GREENPOINT FERRY SITE

BROOKLYN, KINGS COUNTY, NEW YORK

Final Engineering Report

NYSDEC Site Number: C224272

Prepared for:

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New York, New York

Prepared by:

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DECEMBER 2025

Certifications

I, Paul Martorano, P.E., am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Action Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Action Work Plan.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Remedial Action Work Plan and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by the Department.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class “A” misdemeanor, pursuant to Section 210.45 of the Penal Law.

I, Paul Martorano, P.E., of Roux Environmental Engineering and Geology, D.P.C, 209 Shafter Street, Islandia, New York, am certifying as Owner’s Designated Site Representative for the Site.



Paul Martorano, P.E.	December 16, 2025	
NYS Professional Engineer #088403	Date	Signature

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List of Acronyms

Acronym	Definition
ACM	Asbestos Containing Material
AS	Air Sparging
ASP	Analytical Services Protocol
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
BMP	Best Management Practice
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CAMP	Community Air Monitoring Plan
C&D	Construction and Demolition
CFR	Code of Federal Regulation
CLP	Contract Laboratory Program
COC	Certificate of Completion
CO_2	Carbon Dioxide
CP	Commissioner Policy
DER	Division of Environmental Remediation
DUSR	Data Usability Summary Report
EC	Engineering Control
ECL	Environmental Conservation Law
ELAP	Environmental Laboratory Approval Program
ERP	Environmental Restoration Program
EWP	Excavation Work Plan
GHG	Greenhouse Gas
GWE&T	Groundwater Extraction and Treatment
HASP	Health and Safety Plan
IC	Institutional Control
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules and Regulations
O&M	Operation and Maintenance
OM&M	Operation, Maintenance and Monitoring
OSHA	Occupational Safety and Health Administration
OU	Operable Unit
P.E. or PE	Professional Engineer
PFAS	Per- and Polyfluoroalkyl Substances
PID	Photoionization Detector
PRP	Potentially Responsible Party
PRR	Periodic Review Report

Acronym	Definition
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
QEP	Qualified Environmental Professional
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RP	Remedial Party
RSO	Remedial System Optimization
SAC	State Assistance Contract
SCG	Standards, Criteria and Guidelines
SCO	Soil Cleanup Objective
SMP	Site Management Plan
SOP	Standard Operating Procedures
SOW	Statement of Work
SPDES	State Pollutant Discharge Elimination System
SSD	Sub-slab Depressurization
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
SVOCs	Semi-Volatile Organic Compounds
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VCA	Voluntary Cleanup Agreement
VCP	Voluntary Cleanup Program
VOCs	Volatile Organic Compounds

Final Engineering Report

1. Background and Site Description

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in October 2018, to investigate and remediate a 2.4205-acre property located in the Greenpoint neighborhood of Brooklyn, Kings County, New York (See Figure 1). Following a change of property ownership, 1 Java Owner LLC submitted a Brownfield Cleanup Program (BCP) Application to Amend the BCA, and was subsequently added as a Participant, and the BCA was amended and executed on January 8, 2021. 1 Java Owner LLC submitted a BCP Application to Amend the BCA to reduce the total Site acreage by 0.02 acres, and the BCA was amended on October 15, 2024. The property was remediated to restricted residential use. The Site will contain mixed commercial and retail uses, multiple residential (including affordable housing) apartments, and a waterfront recreational/green space area.

The Site is located in the County of Kings, New York and is identified as the upland portion of Block 2538 and Lot 1 on the New York City Tax Map. The Site is situated on a 2.4205-acre area bounded by India Street to the north, Java Street to the south, West Street to the east, and the East River to the west (see Figure 2). The western end of the property is improved with an active New York City East River ferry terminal. The boundaries of the Site are fully described in Appendix A: Survey Map, Metes and Bounds and Appendix B Environmental Easement.

An electronic copy of this FER with all supporting documentation is included as Appendix C in printed copies.

2. Summary of Site Remedy

2.1 Remedial Action Objectives

The goal of the remedy selection process in the BCP is to select a remedy for a Site that is protective of public health and the environment, taking into account the current, intended and reasonably anticipated land use of the Site. Consistent with Part 375, the remedy for the Site will be fully protective of public health and the environment, taking into account the current, intended, and potential future land use.

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this Site.

2.1.1 Groundwater RAOs

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.

RAOs for Environmental Protection

- Remove the source of ground or surface water contamination.

2.1.2 Soil RAOs

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

2.1.3 Soil Vapor RAOs

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at the Site.

2.2 Description of Selected Remedy

The Site was remediated in accordance with the remedy selected by the NYSDEC in the RAWP dated May 2021 and revised based on NYSDEC comments in February 2022.

The factors considered during the selection of the remedy are those set forth in DER 10: Technical Guidance for Site Investigation and Remediation and 6NYCRR 375-1.8. The following are the components of the selected remedy which achieved a Track 4 Restricted Residential use cleanup:

1. A remedial program was implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques were implemented to the extent feasible in the design, implementation,

and Site management of the remedy as per DER-31. The major green remediation components are as follows:

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gases and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;
- Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;
- Maximizing habitat value and creating habitat when possible;
- Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals;
- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development; and
- Additionally, to incorporate green remediation principles and techniques to the extent feasible in the future development at this Site, any future on-site buildings shall be constructed, at a minimum, to meet the 2020 Energy Conservation Construction Code of New York (or most recent edition) to improve energy efficiency as an element of construction.

  As part of the remedial program, to evaluate the remedy with respect to green and sustainable remediation principles, an environmental footprint analysis was completed. The environmental footprint analysis was completed using an accepted environmental footprint analysis calculator (SiteWise(TM)). Water consumption, greenhouse gas emissions, renewable and non-renewable energy use, waste reduction and material use were estimated, and goals for the project related to these green and sustainable remediation metrics, as well as for minimizing community impacts, protecting habitats and natural and cultural resources, and promoting environmental justice, was incorporated into the remedial program, as appropriate. The project included detailed requirements to achieve the green and sustainable remediation goals. Further, progress with respect to green and sustainable remediation metrics were tracked during implementation of the remedial action and reported in this Final Engineering Report (FER).

  Additionally, the remedial program included a climate change vulnerability assessment that evaluated the impact of climate change on the project Site and the proposed remedy. Potential vulnerabilities associated with extreme weather events (e.g., hurricanes, lightning, heat stress and drought), flooding, and sea level rise were identified, and the remedial program incorporated measures to minimize the impact of climate change on potential identified vulnerabilities. The environmental footprint analysis summary is included in Appendix D.

2. Demolition of the existing Site buildings and off-site disposal of construction and demolition (C&D) debris to allow for remedial excavation.
3. Excavation and appropriate off-site disposal of approximately 1,600 cubic yards of non-hazardous soil/fill exceeding restricted residential soil cleanup objectives (SCOs) listed in Table 1, from zero to two feet below land surface (bls).
4. Excavation and appropriate off-site disposal of approximately 810 tons of lead hazardous soil/fill from two hotspots: one in the southern portion of the Site to five ft bls and one in the northern portion of the Site to eight ft bls.
5. Backfill and compaction of imported clean fill material meeting the lower of Protection of Groundwater or Restricted Residential Use SCOs.

6. Reuse of on-Site soil and rock dust generated during geothermal well drilling from designated reuse zones for backfill under the cover system.
7. Construction and maintenance of a Site cover system consisting of concrete-covered sidewalks, landscaped or gravel covered areas (with a minimum of 24 inches of clean fill over Site soils) and concrete building slabs to prevent human exposure to remaining contaminated soil/fill remaining at the Site;
8. Collection of excavation sidewall and bottom endpoint samples to document any soil contamination that remained on Site. Residual contaminated soil remaining on-Site is contained under the Site cover system.
9. A passive sub-slab depressurization system (SSDS) installed under the building foundation slab including a vapor barrier system to prevent the potential migration of vapors into the building.
10. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the Site.
11. Installation of on-site monitoring wells and collection of groundwater samples.
12. Installation of sub-slab monitoring points and collection of soil vapor and indoor air samples as part of a soil vapor intrusion (SVI) evaluation of the new building.
13. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting;
14. Periodic certification of the institutional and engineering controls listed above.

3. Interim Remedial Measure

The remedy for this Site was performed as a single project, and no interim remedial measures, operable units or separate construction contracts were performed.

4. Description of Remedial Actions Performed

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP) for the Greenpoint Ferry Site dated May 2021 and revised February 2022. All deviations from the RAWP are noted below.

4.1 SiteWise™ Analysis for the Implemented Remedial Action

NYSDEC's DER-31 Green Remediation requires that green remediation concepts and techniques be considered during all stages of the remedial program, with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. At the time when the RAWP was written, no environmental footprint evaluation was required or completed for the implementation of the remedial action. As part of this FER, SiteWise™ was used to calculate the carbon footprint of the Remedial Action (RA) that was implemented. This includes the shallow excavation in the Track 4 areas and the construction of the Site Cap.

For the excavation, the large part of the greenhouse gases that were generated were from the heavy equipment used onsite to excavate the soil (equipment use and miscellaneous), transport of soil to the disposal facility (residual handling), and the disposal of the soil at a facility (residual handling). For the Site cap, the majority of the emissions come from equipment use and the import of materials for the two-foot cap.

A more detailed summary of the environmental footprint analysis summary including the exported data tables from SiteWise™, is provided as Appendix D.

4.2 Green Remediation Components for the Completed Remedy

During the remediation process, several green remediation activities were implemented to reduce the environmental impact and enhance sustainability. These activities included:

- *Building Waterproofing and Vapor Barrier*: Waterproofing measures were applied to the buildings to prevent water infiltration and reduce heat loss. This will improve the buildings' energy efficiency by lowering heating and cooling demands. The vapor barrier, in conjunction with the active SSDS, will mitigate the potential for vapor intrusion.
- *Soil and Rock Dust Reuse*: Approximately 8,395 cy of excavated soil was reused on-Site as backfill beneath the building footprint and approximately 100 cy of rock dust produced during geothermal well drilling was reused on-Site as backfill within utility trenches below the Site cover system. Reusing soil and rock dust reduced the need for import of new materials and decreased the amount of waste sent to disposal facilities.
- *Track 4 Cleanup*: A Track 4 cleanup was chosen for the Site which is the most energy, waste and water efficient remedy option. The passive remedy utilizes the Site's hardscape including the building foundation slab and concrete walkways, which is easy to maintain and does not require watering while still being protective of human health.

In addition to the above green remediation element, the redevelopment and building construction included multiple elements to further reduce the Site's overall environmental impact. These activities included:

- *Geothermal Heat Exchange System*: The building has a geothermal system that features a closed-loop water-source heat-pump system which will drastically reduce the building's annual carbon emissions produced from heating and cooling, compared to oil or gas systems.

- *Sustainable and Energy Efficient Construction*: The new on-site building wase designed and constructed to meet the 2020 Energy Conservation Construction Code of New York and to obtain LEED, Fitwel and Energy Star Certification.
- *Energy-Efficient Fixtures*: Energy-efficient fixtures, including LED lighting, all-electric cooking appliances, and low-flow water fixtures, were installed throughout the buildings. These upgrades will reduce energy consumption and greenhouse gas emissions.
- *Living Shoreline and Native Plantings*: The waterfront area features a living shoreline that features native plantings to restore coastal and pollinator habitats. These uses can improve the ecosystem and result in fewer greenhouse gas emissions due to reduced operation and maintenance needs.

These green remediation activities helped to minimize the environmental footprint and promote sustainable practices.

4.3 Governing Documents

The applicable documents governing the remedial action are described below.

4.3.1 Site Specific Health & Safety Plan (HASP)

All remedial work performed under the RAWP was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA.

The Site-specific Health and Safety Plan (HASP) was included as Appendix K of the NYSDEC-approved RAWP and the Site-specific Community Air Monitoring Plan (CAMP) was included as Appendix L. The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site.

4.3.2 Quality Assurance Project Plan (QAPP)

The QAPP was included as Appendix J of the RAWP approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/ quality control activities designed to achieve the project data quality objectives.

4.3.3 Construction Quality Assurance Plan (CQAP)

The Construction Quality Assurance Plan (CQAP), included in Section 4.1.4 of the NYSDEC-approved RAWP, detailed plans for managing the performance of the RA tasks through designed and documented Quality Assurance/Quality Control (QA/QC) methodologies applied in the field and in the lab. The CQAP provided a detailed, Site-specific description of the observation and testing activities that were used to monitor construction quality and confirm that remedial construction was in conformance with the remediation objectives and specifications. The CQAP included a program for construction observation and testing to verify performance of the remedial construction in accordance with the RAWP. In general, the work addressed by the CQAP included the excavation and proper management/disposal of impacted soil.

4.3.4 Soil/Material Management Plan

The Soil/Material Management Plan included in Section 5.4 of the RAWP detailed the plans for soil/material management at the Site during excavation, handling, storage, transport, and disposal. This section also included all applied controls for these efforts to assure an effective, nuisance-free performance to comply with all applicable Federal, State and local laws and regulations.

Erosion and Sediment Controls

Erosion and sediment control measures were installed and maintained throughout construction. This included: stone-stabilized construction entrances at all Site ingress/egress points; lining and covering stockpiles; removal of soil/fill from trucks and equipment before leaving the Site; sweeping the public streets adjacent to the Site; and covering sewer inlets adjacent to the Site with filter fabric. Erosion and sediment control measures were inspected and serviced frequently to maintain functionality.

Soil Screening Methods

Visual, olfactory, and PID soil screening and assessments were performed during all intrusive remedial construction and redevelopment activities at the Site. All excavation activities involving known or potentially contaminated material were performed under the supervision of Roux personnel.

Stockpiling Methods

Soil excavated to achieve the target remediation depths was segregated (non-hazardous soil, hazardous soil, and uncontaminated C&D debris) and then stockpiled on, and covered with polyethylene sheeting, or placed in roll-off containers until the excavation was completed. Excavated soil stockpiles were placed on double layers of 6-mil minimum poly-sheeting, were kept covered at all times (except when material was being added or removed) with appropriately anchored polyethylene sheeting and were routinely inspected. Broken or ripped sheeting was promptly replaced. Stockpiles were removed as soon as practical.

While stockpiles were in place, they were inspected at a minimum each week, and before and after every storm event.

Material Excavation and Load Out

Loaded vehicles leaving the Site were appropriately tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local and NYSDOT requirements (and all other applicable transportation requirements).

Locations where vehicles enter or exit the Site were inspected daily by the Contractor and Roux for evidence of off-Site soil tracking. Cleaning of the adjacent streets was performed as needed to maintain a clean condition with respect to Site-derived materials.

Material Transportation and Disposal Off-Site

All materials were transported by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers were appropriately licensed and trucks were properly placarded.

All soil/fill/solid waste excavated and removed from the Site was treated as contaminated and regulated material and was disposed in accordance with all local, State (including 6NYCRR Part 360 and 370 to 376) and Federal regulations. Contaminated materials disposal is further discussed in Section 4.7 of this FER.

Material Reuse On-Site

NYSDEC-approved reuse of on-Site soil as backfill within Track 4 areas, following remedial excavation. Reuse of on-Site soil is further discussed in Section 4.8 of this FER.

4.3.5 Stormwater Pollution Prevention Plan (SWPPP)

The stormwater and soil erosion and sediment controls for all remedial construction were installed and maintained in conformance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control and the Site-specific SWPPP by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C dated June 23, 2022.

4.3.6 Community Air Monitoring Plan

The Site-specific CAMP was provided in the RAWP as Appendix L. Roux performed real-time, continuous air monitoring for VOCs and airborne particulate matter at upwind and downwind locations at the Site perimeter during active remediation. During all phases of work, the Remediation Contractor was responsible for mitigating any vapor and particulate issues via suppression techniques defined in the CAMP. Community air monitoring results collected during the performance of the RA are summarized in Section 4.4.5.

4.3.7 Contractors Site Operations Plans (SOPs)

The Remedial Engineer reviewed all RA plans and submittals (i.e., those listed above plus applicable contractor and subcontractor submittals) and confirmed that they were in compliance with the RAWP. All remedial documents were submitted to NYSDEC and NYSDOH in a timely manner and prior to the start of work.

4.3.8 Community Participation Plan

In accordance with the BCA, a Citizen Participation Plan for this Site was prepared and a Fact Sheet describing the proposed remedies selected for the Site and announcing the start of the RA was issued on April 27, 2022. Pending Fact Sheets to be distributed at a later date include those announcing completion of the RA and pending issuance of the Certificate of Completion (COC).

4.4 Remedial Program Elements

4.4.1 Contractors and Consultants

The following key contractors and consultants were involved in the Site RA described in this FER:

- Remedial Engineer: Roux of Islandia, NY;
- General Contractor/ Construction Manager: Lendlease Construction LMB, Inc. of New York, NY (Lendlease)
- SOE Contractor: Simpson and Brown of Cranford, NJ
- Excavation/Foundation Contractor: Civetta-Cousins JV, L.L.C. of the Bronx, NY (Civetta)
- Geothermal Contractor: Brightcore of Armonk, NY
- Asbestos-containing materials (ACM) Abatement Contractor: BSI Services and Solutions, Inc. (BSI)
- Demolition Contractor: Gramercy Group, Inc. (Gramercy)
- Disposal Broker: Clean Earth of Hatboro, PA (Clean Earth);
- Data Validator: Data Validation Services of North Creek, NY
- Analytical Laboratories: Eurofins Environment Testing of Burlington, VT and Edison, NJ

4.4.2 Site Preparation

A pre-construction meeting was held with NYSDEC and all contractors prior to the start of remedial excavation.

Documentation of NYSDEC approvals required by the RAWP is included in Appendix G. New York City permits and other documentation relating to the remediation project are provided in Appendix H.

All SEQRA requirements and all substantive compliance requirements for attainment of applicable natural resource or other permits were achieved during this RA.

4.4.3 General Site Controls

Site access was controlled by three gated entrances to the property. The gates were closed and locked when there was no activity on the Site.

Construction activities were performed in modified Level D PPE, which included steel toed work boots, hard hats, safety glasses, long sleeved shirts, gloves, and high visibility clothing (e.g., reflective vest).

Job Site record keeping for all remedial work was appropriately documented by Roux. Documented activities included daily inspections to verify conformance with the RAWP, health and safety monitoring and material tracking. These records were maintained on-Site by Roux during the performance of the RA and were available for review by the NYSDEC. Copies of all Roux Daily Site Inspection/Field Activity Reports are provided in Appendix E.

4.4.4 Nuisance Controls

There were no complaints directly related to the remediation received during performance of the RA. Several measures were employed to reduce the amount of dust, sediment, and erosion onsite as a result of remediation activities:

- Truck wash stations were established at Site entrances;
- Air monitoring stations were positioned onsite to monitor for fugitive dust and VOCs during invasive work; and
- Water was used to control fugitive dust during invasive work including soil excavation.

Implementation of odor controls was not required during the RA. Equipment decontamination and residual waste management were performed as outlined in the RAWP. This included a temporary decontamination pad/stabilized construction entrance which decontaminated trucks and other vehicles/equipment leaving the Site. The decontamination pad was sized to accommodate the largest piece of equipment used at the Site. Trucks and other vehicles/equipment were decontaminated either with water via hose/pressure washer or using a broom and/or brush. All temporary soil stockpiles were covered with poly-sheeting at the end of the day.

4.4.5 CAMP Results

The CAMP was implemented during geotechnical test pitting and soil boring work discussed below in Section 4.6 from September 13 through 14, 2021, and October 13 through 28, 2021. CAMP equipment was then remobilized on May 26, 2022, at the start of remedial action construction. On July 2, 2024, the

NYSDEC approved Roux's memo request to temporarily pause the CAMP once all soils were covered by the Site cover system (approximately 90% covered by permanent building foundation and 10% covered by temporary gravel cover in greenspace areas). The NYSDEC approval is provided in Appendix G. Following completion of the Site cover system described above, CAMP equipment was demobilized on July 31, 2024. The CAMP was also implemented during construction of the permanent cover in the greenspace areas which occurred from October 10, 2024, through October 21, 2024, and during permanent monitoring well installation onsite which occurred on May 8, 2025.

A total of 9 temporary particulate action level exceedances occurred during the remedial construction activities due to jackhammering, cleaning pile caps, or approved-backfill import activities generating excess dust on Site. These occurrences were mitigated by temporarily stopping the remedial activities causing the temporary exceedances and applying water to the exposed soil/material to suppress the airborne dust.

A total of 54 additional temporary particulate action level exceedances occurred during the remedial construction activities, but were not related to intrusive soil work. These exceedances were observed to be localized within the immediate vicinity of on-Site housekeeping activities (i.e., routine sweeping of the exposed interior concrete building foundation floor slab within the erected building superstructure), trade activities (i.e., concrete mixing, welding, carpentry), or off-site truck traffic and did not originate from disturbed impacted Site soil.

There were no exceedances of action levels for VOCs during remedial action.

CAMP exceedances for particulates were communicated to NYSDEC and NYSDOH within 24 hours of occurring and individual action limit exceedance reports were submitted documenting Site conditions and the mitigation actions taken. Copies of all field data sheets relating to the CAMP are provided in Appendix F.

4.4.6 Green and Sustainable Remediation (GSR) Best Management Practices

During the remediation process, several GSR activities were implemented as Best Management Practices (BMPs) to reduce the environmental impact and enhance sustainability. These activities included:

- Reusing soil and rock dust as backfill, to reduce the need for new materials and decrease the amount of waste sent to disposal facilities.
- Minimize equipment and truck idling, to reduce discharges of pollutants and GHGs to the atmosphere.
- Minimize truck travel for disposal to save energy, reduce emissions, reduce localized noise, vibration, and wear and tear on roads.

These BMPs helped to minimize the environmental footprint and promote sustainable Best Management Practices.

4.4.7 Reporting

Daily and monthly reports were completed by onsite personnel and provided to the NYSDEC Project Manager. The daily reports summarized the following:

- An update of subcontractor work and air monitoring activities completed during the day;
- Locations of work and quantities of material imported and exported from the Site;
- An explanation of notable Site conditions; and

- A summary of CAMP results, including action limit reports for any exceedances.

The monthly reports summarized the following:

- Activities relative to the Site during the previous reporting period and those anticipated for the next reporting period, including a quantitative presentation of work performed (i.e., tons of material exported and imported, etc.);
- Description of approved activity modifications, including changes of work scope and/or schedule; and
- An update of the remedial schedule, unresolved delays encountered or anticipated that may affect the future schedule, and efforts made to mitigate such delays.

All daily reports are included in Appendix E and monthly reports are included in Appendix I. The digital photo log required by the RAWP is included in Appendix J.

4.5 Site Mobilization and Site Preparation

The selected Contractor supplied labor (Hazardous Waste Operations and Emergency Response [HAZWOPER] Certified in accordance with OSHA 1910.120) and materials required for the implementation of the remedial scope of work. In addition, necessary permits, insurance, bonds, and licenses required to complete the work were obtained and fees necessary to obtain these permits were paid. Mobilization and Site preparation activities included:

1. Mobilization of equipment to the work area;
2. Installation of construction fencing (in accordance with New York City Department of Buildings [NYCDOB] requirements) and traffic barricades surrounding the Site to delineate the work zone.

4.6 Asbestos Abatement, Demolition and Geotechnical Test Pits

ACM abatement of the above grade building formerly located at the Site occurred in early 2021 and was conducted by BSI. Demolition activities occurred from August 10, 2021, to September 7, 2021, and were conducted by Gramercy in accordance with all related NYCDOB permits. Following Site demolition activities, Gramercy performed seven test pits throughout the Site on September 13, 2021, and September 14, 2021, for geotechnical evaluations. All test pits were performed in accordance with the revised Change of Use (COU) form submitted to the NYSDEC on September 6, 2021, and the Geotechnical Environmental Support Plan, which was included as an attachment to the September 2021 COU form. As directed by the NYSDEC in an email dated August 17, 2021, the original February 2021 COU form was updated to include the completion of geotechnical test pits and soil borings. The Geotechnical Environmental Support Plan submitted with the revised September 2021 COU included a CAMP and soil handling procedures to be implemented during the geotechnical work.

Seven geotechnical test pits were advanced through the former building slab, at the locations shown in Figure 2 of the Geotechnical Environmental Support Plan. The test pits were advanced to approximately six ft bls, and all excavated soil and drill spoils were returned to the test pit. During test pitting activities, Roux implemented CAMP, which consisted of monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. In accordance with the Geotechnical Environmental Support Plan, three CAMP stations, each consisting of a particulate meter and a photoionization detector, were utilized during the implementation of CAMP activities. Additionally, Gramercy sprayed water on the test pits during test pitting

activities to mitigate the generation of dust. Test pitting activities completed each day and CAMP results were included in daily reports, which were provided to the NYSDEC/NYSDOH via email during completion of test pitting activities. As indicated in the daily reports, there were no CAMP exceedances recorded during test pitting activities. Oversight and CAMP continued until the cover system was restored with concrete or a temporary cover consisting of 6 inches of stone.

4.7 Contaminated Materials Removal

To implement the selected remedy, waste characterization sampling, mass-excavation and off-site disposal of soil/fill was completed in select areas of the Site footprint.

A list of the soil cleanup objectives (SCOs) for the contaminants of concern for this project is provided in Table 1. A figure of the location of original sources and areas where excavations were performed is shown in Figure 3. A summary of the disposal waste streams and quantities for each, is summarized in the below table and further details are provided in Sections 4.7.1 and 4.7.2.

Table 4.7 Non-Hazardous and Hazardous Soil and Fill Disposal Summary

Export Facility	Export Material Type	Quantity Exported
Bayshore Recycling Corp., Kearney, New Jersey	Non-hazardous soil and fill	7,075 Tons
Clean Earth of North Jersey, Inc. Kearney, New Jersey	Lead hazardous soil and fill	811 Tons
	Total	**7,886 Tons**

4.7.1 Non-Hazardous Soil and Fill Disposal

Non-hazardous soil and fill excavated during the RA was transported off-Site and disposed of at an approved facility in accordance with applicable laws and regulations. Remedial soil was excavated to a depth of 2 feet below grade in select portions of the Site as shown on Figure 3. Remedial excavation was completed concurrently with mass excavation necessary to achieve the design of the new building construction, which required deeper excavation.

Table 2 shows the total quantities of remedial non-hazardous soil and fill removed from the Site and the disposal facility location. In total, approximately 4,717 cubic yards (7,075 tons) of non-hazardous soil was disposed off-Site at Bayshore Recycling Corp., in Kearney, New Jersey.

Disposal documentation (disposal facility acceptance letter, manifests, and weight tickets) is provided in Appendix K.

4.7.2 Hazardous Soil and Fill Disposal

Soil and fill with characteristically hazardous levels of lead was identified at two locations and was vertically and horizontally delineated prior to excavation and disposal. A United States Environmental Protection Agency Identification number was obtained prior to excavating/generating the hazardous waste. The first location (hotspot 1) was excavated to a depth of 5 feet below grade and the second location (hotspot 2) was excavated to a depth of 8 feet below grade, as shown on Figure 3. A summary of the samples collected to characterize and delineate the hazardous waste and associated analytical results are summarized in Appendix L.

Lead hotspot 1 was identified during the 2021 waste characterization sampling within waste characterization grid SC-5 (located in the western portion of the Site), based on one composite soil sample (SC_5ABC_COMPOSITE) which exceeded the USEPA Resource Conservation and Recovery Act (RCRA) Characteristic Waste for Toxicity standard for lead. Details regarding hotspot 1 are discussed in Section 2.4.8 of the RAWP and Figure 10A and Appendix I of the RAWP.

Lead hotspot 2 was identified after the submittal of the RAWP during waste characterization sampling that occurred on August 19, 2022 at the request of a disposal facility. TCLP lead was detected at a concentration of 5.0 mg/L in composite sample Comp-SC-4_CDE_0-8, collected from the 0-8 ft bls interval, compared to the USEPA Regulatory Level of 5 mg/L (TCLP lead). Information regarding the identification and delineation of this hot spot was transmitted to NYSDEC by email and detailed in the December 2022 monthly progress report.

Table 3 shows the total quantities of lead hazardous soil and fill removed from the Site and the disposal facility location. In total, approximately 660 cubic yards (811 tons) of lead hazardous soil and fill was disposed off-Site at Clean Earth of North Jersey, Inc., located in Kearney, New Jersey.

Disposal documentation (disposal facility acceptance letter, manifests, and weight tickets) is provided in Appendix L.

4.8 On-Site Reuse

Approximately 8,395 cy of excavated Site soil was reused on-Site as backfill beneath the building footprint in accordance with the NYSDEC-approved RAWP (Section 5.4.6) and Soil Reuse Plan (dated August 3, 2022). Soil was excavated from various grids and placed at depth, below the impervious building slab (i.e., below the engineered Site cover system). None of the reused soil was used to establish the engineered cover system for the landscape areas.

All reused soil was determined not to be a source of groundwater contamination when compared to the PGWSCOs, was not characteristically hazardous, did not show any evidence of gross contamination, and was not considered source material. Excavated soil for reuse was stockpiled separately on poly sheeting and covered when not being added to in order to avoid mixing with other stockpiles designated for off-Site disposal.

A copy of the NYSDEC-approved Soil Reuse Plan including a figure depicting soil reuse grids and analytical data tables is provided in Appendix M.

Approximately 100 cy of rock dust produced during geothermal well drilling was reused on-Site as backfill within utility trenches below the Site cover system in accordance with the NYSDEC-approved reuse application dated March 15, 2023.

A sample of the rock dust was collected and analyzed for VOCs, SVOCs, metals, PCBs, pesticides, herbicides and PFAS. All compounds were detected below UUSCOs and PGWSCOs, with the exception of a marginal total chromium exceedance. The rock dust was stockpiled separately on poly sheeting and covered when not being added to in order to avoid mixing with soil stockpiles designated for off-Site disposal.

A copy of the rock dust reuse application including photos and analytical data tables is provided in Appendix M.

4.9 Imported Backfill

The locations where imported backfill was placed at the Site are shown in Figure 3. Requests submitted to NYSDEC prior to importing each material proposed for use as backfill are provided in Appendix N.

The following is a table of all sources of imported backfill with quantities for each source.

Table 4.9. Imported Material Summary

Import Facility	Import Material Type	Backfill Use	Quantity Imported
Impact Environmental/ Reuse and Recovery Center Lyndhurst, New Jersey	3/4 inch clean blue stone	Subbase Aggregate	350.26 Tons
Impact Environmental/ Reuse and Recovery Center Lyndhurst, New Jersey	1.5 inch clean blue stone	Subbase Aggregate	2,505.02 Tons
Impact Materials Jersey City, New Jersey	1.5 inch blue stone	Subbase Aggregate	44.94 Tons
Impact Materials Jersey City, New Jersey	3/4 inch clean blue stone	Subbase Aggregate	345.62 Tons
Sparrow Mining of Suffolk/ Ranco Sand & Stone Corp Manorville, New York	S3 Virgin Sand	Waterfront Landscape Areas	171.45 Tons
Sparrow Mining of Suffolk/ Ranco Sand & Stone Corp Manorville, New York	S2 Virgin Sand and Topsoil Blend	Waterfront Landscape Areas	405.00 Tons
Stavola Beaver Run Manorville, New York	1-2 inch stone	Subbase Aggregate and Retention Wall	490.98 Tons
Vulcan Hamburg Hamburg, New Jersey	C-33 MFG Sand	Geothermal utility trench bedding	282.82 Tons
Vulcan 7295-141 Pier J Brooklyn, New York	Natural Concrete Sand C-33	Geothermal utility trench bedding	397.84 Tons
New Jersey Gravel and Sand Co.	Sand (White Mason and Coarse Sand)	Geothermal utility trench bedding	45.75 Tons
		Total	**5,039.68 tons**

Copies of weight tickets for backfill material imported to the Site are provided in Appendix N.

4.10 Remedial Performance/Documentation Sampling and Remaining Contamination

Remedial performance/documentation samples were collected in soil, groundwater, sub-slab soil vapor and indoor air. A table and figure summarizing all performance/documentation sampling is included in Tables 4 through 9 and 11 through 15 and Figures 4, 5, and 6a, respectively, and all exceedances of SCOs are

highlighted. The laboratory reported the analytical results in ASP Category B deliverable packages. An electronic data deliverable (EDD) in the required NYSDEC format was prepared and submitted electronically to NYSDEC. QA/QC procedures were used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for this investigation. Field QA/QC procedures were used to (1) document that samples are representative of actual conditions at the Site; and (2) identify possible cross contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses were used to demonstrate whether analytical results may have been biased either by interfering compounds in the sample matrix, or by laboratory techniques that may have introduced systematic or random errors to the analytical process. QA/QC samples (field and trip blanks, duplicates, etc.) were collected and analyzed at a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory in accordance with the QAPP/FSP.

Data Usability Summary Reports (DUSRs) were prepared for all data generated in this remedial performance evaluation program. These DUSRs are included in Appendix O, and associated raw analytical laboratory data is provided electronically in Appendix P. In summary, the DUSRs for all sampling concluded that laboratory processing was compliant and data completeness, representativeness, reproducibility, sensitivity, and comparability were acceptable. The EDD associated with this data was submitted to the NYSDEC, and EDD acceptance documentation is provided in Appendix O.

Since contaminated soil, groundwater, and soil vapor remains beneath the Site after completion of the RA, Engineering and Institutional Controls (ECs/ICs) are required to protect human health and the environment. These ECs/ICs are described in the following sections. Long-term management of these EC/ICs and residual contamination will be performed under the Site Management Plan (SMP) approved by the NYSDEC. The following subsections describe the extent of contaminated media remaining at the Site after performance of the RA.

4.10.1 Soil

4.10.1.1 Lead Hotspot Delineation Confirmation Samples

A total of seven post excavation confirmation soil samples were collected from the lead hotspot 1 area (HS1_B, HS1_SW1, HS1_SW2, HS1_SW3, HS1_SW4, HS1_SW5, and HS1_SW6) at five ft bls on September 7, 2022. Multiple rounds of delineation sampling related to lead hotspot 2 took place between November 17, 2022, and December 28, 2022, and confirmation soil samples HS2_B, HS2_SW1, HS2_SW2, HS2_SW5, HS2_SW6, HS2_SW10, HS2_SW12, HS2_SW14, HS2_SW15, HS2_SW16, and HS2_SW17 were collected from the bottom and sidewalls of the excavation at eight ft bls.

Confirmation endpoint samples collected from lead hotspots 1 and 2 were analyzed for total lead and TCLP lead. Confirmation endpoint samples were compared to the NYSDEC Part 375 UUSCO, RRSCO, and PGWSCO for total lead and USEPA Regulatory Limit for TCLP lead. Delineation of all concentrations of TCLP lead above the USEPA threshold of 5 mg/L was achieved in all final delineation samples.

4.10.1.2 Bottom and Sidewall Documentation Samples

Remedial soil excavation and off-site disposal activities occurred concurrent with mass excavation activities necessary to achieve the design of the new building construction. Non-hazardous remedial soils were excavated to two ft bls, hazardous lead hotspot 1 was excavated to five ft bls, and hazardous lead hotspot 2

was excavated to eight ft bls, resulting in the removal of impacted source material in these intervals. The various areas and depths of remedial excavation completed throughout the Site in performance of the Track 4 Restricted Residential cleanup are depicted in Figure 3.

After mass excavation activities were completed, soil samples were collected from the bottom areas of the Site-wide excavation at various depths up to 10.5 ft bls to serve as post-remediation documentation samples. After lead hotspot 1 and 2 excavation activities were completed, soil samples were collected from the sidewall and bottom areas of the hotspot excavations from 5 ft bls and 8 ft bls, respectively, to serve as post-remediation documentation and confirmation samples. Sample depths are indicated on Tables 4 through 9 and Figure 4. Soil results for lead sidewall samples and sample intervals at or below the post-excavation bottom depth were compared to NYSDEC Part 375 UUSCOs, RRSCOs, and Protection of Groundwater SCOs (PGWSCOs) and USEPA Regulatory Limit for TCLP lead.

A total of 56 final post-remediation bottom documentation endpoint samples (EP-1 through EP-49, EP-A through F and EP-X), not including duplicates, were collected throughout the Site wide Track 4 cleanup area at various depths up to 10.5 ft bls between April 25, 2023, and October 18, 2024, following the excavation and off-site disposal of overlying soils in accordance with the contaminated materials removal summary provided above in Section 4.3.

Documentation endpoint samples were analyzed for the following suite of analyses as outlined in the RAWP: target compound list (TCL) VOCs; TCL semivolatile organic compounds (SVOCs); target analyte list (TAL) metals; TCL pesticides, and polychlorinated biphenyls (PCBs).

Documentation endpoint sample soil results for sample intervals at or below the post excavation bottom depth were compared to NYSDEC Part 375 UUSCOs, RRSCOs, and PGWSCOs. In general, soil remaining after completion of the Track 4 cleanup contained VOCs, SVOCs, metals, and pesticides at concentrations in exceedance of one or more of the above-stated SCOs. Tables 5 through 10 and Figure 4 summarize the results of all soil samples remaining at the Site after completion of RA that exceed the Track 4 SCOs.

The engineered composite cover system installed at the Site as described below in Section 4.11 precludes the potential for future exposure to residual impacted soil. The contents of the SMP, including the Excavation Work Plan provided in Appendix D provided therein, will govern any future ground-intrusive activities that may occur beneath the engineered cover system during the Site management phase in order to mitigate the potential for exposure to residual impacted Site soil.

4.10.2 Groundwater

Post-remedial groundwater samples were collected from three monitoring wells and analyzed for VOCs, SVOCs, metals, PCBs, and pesticides. Well construction logs are included in Appendix Q and monitoring well construction details are found in Table 10. The groundwater contamination in exceedance of AQWSGVs remaining after the remedial action was completed is limited to metals that are primarily naturally occurring. The metals detected above AWQSGVs include antimony, iron, lead, magnesium, manganese, and sodium; however, the naturally occurring metals only exceeded AWQSGVs in dissolved analysis. Tables 12 through 16 summarize groundwater sample results, which are shown on Figure 5.

Two metals (arsenic and mercury) were detected in soil at concentrations above NYSDEC PGWSCOs, but were not detected in groundwater, indicating that metals in soil are not a source of groundwater contamination at the Site. Tables 11 through 15 and Figure 5 summarize the analytical results of all groundwater samples that exceed the SCGs after completion of the remedial action. Groundwater at the Site is not intended for potable or non-potable use which precludes the potential for future exposure to residual impacted groundwater.

4.10.3 Soil Vapor

The remedial elements that have been implemented, including soil excavation and offsite disposal, have reduced the potential for soil vapor intrusion. In addition, the active sub-slab depressurization system (SSDS), including a vapor barrier and waterproofing elements, were installed below the foundation as an engineering control to mitigate the potential for vapor intrusion into the building. Soil vapor intrusion sampling performed during three events, in July, September, and November 2025, are discussed below.

July 2025 Sampling

A soil vapor intrusion (SVI) evaluation was completed in July 2025 which included collection of soil vapor samples from all seven soil vapor monitoring points (SVMPs) and collection of co-located concurrent indoor air samples (IAs) at all locations except for IA-6 due to summa canister malfunction. The locations of all soil vapor monitoring points and SSDS subgrade piping are shown on Figure 6A. The soil vapor and indoor air samples were collected in batch-certified 6L summa canisters over an 8-hr period and analyzed at an ELAP certified laboratory for TO-15. At the time of sampling, finish work within the building was not complete and various construction materials were stored throughout the sampling areas. Additionally, the windows and doors were not completely installed in all areas, and the heating, ventilation, and air conditioning (HVAC) system was not operational. Despite these conditions, Roux performed soil vapor intrusion evaluation sampling with results discussed below.

The results of the SVI evaluation were compared to the NYSDOH Soil Vapor Intrusion Guidance (updated February 2024) matrices A through F. These matrices provide guidance relative to chlorinated VOCs (CVOCs) and petroleum-related VOCs including carbon tetrachloride, cis-1,2-dichloroethene, 1,1-dichloroethene, trichloroethene (TCE), tetrachloroethene (PCE), 1,1,1-trichloroethane, methylene chloride, and vinyl chloride, benzene, ethylbenzene, naphthalene, cyclohexane, isooctane (2,2,4 – trimethylpentane), 1,2,4 – trimethylbenzene ,1,3,5 – trimethylbenzene, o – xylene, m – xylene, p – xylene, heptane, hexane and toluene.

When compared to the matrices, the July SVI evaluation results indicate SVMP-1/IA-1, SVMP-2/IA-2, and SVMP-6 require no further action. SVMP-3/IA-3 and SVMP-4/IA-4 fall into the category with the recommendation to identify sources and resample or mitigate due to concentrations of n-hexane and toluene in IA-3 and concentrations of cyclohexane in IA-4. The sub-slab concentrations of these compounds are orders of magnitude lower than indoor air concentrations, indicating that the SVMPs are sealed air-tight and that these exceedances are a result of the indoor conditions present at the time of sampling. SVMP-5/IA-5 and SVMP-7/IA-7 fall into the category of a recommendation to mitigate and monitor, respectively, due to concentrations of cyclohexane detected in each SVMP.

September 2025 Sampling

A second SVI evaluation was completed in September 2025 which included collection of soil vapor samples from two SVMPs (SVMP-3 and SVMP-4) and collection of co-located concurrent IAs (IA-3 and IA-4) to cover the areas ready for immediate occupancy. The locations of all soil vapor monitoring points and SSDS subgrade piping are shown on Figure 6A. The soil vapor and indoor air samples were collected in batch-certified 6L summa canisters over an 8-hr period and analyzed at an ELAP certified laboratory for TO-15. At the time of sampling, finish work within the building was not complete and odors from recent paint/VOC-containing product application were observed. Additionally, the HVAC system was not operational. Despite these conditions, Roux performed soil vapor intrusion evaluation sampling with results discussed below.

When compared to the matrices, the September SVI evaluation results indicate SVMP-3/IA-3 and SVMP-4/IA-4 fall into the category with the recommendation to identify sources and resample or mitigate due to concentrations of 1,2,4-trimethylbenzene in IA-3 and IA-4 and m/p-xylene in IA-4. The sub-slab concentrations of these compounds were orders of magnitude lower than indoor air concentrations, indicating that the SVMPs are sealed air-tight and that these exceedances are a result of the indoor conditions present at the time of sampling.

November 2025 Sampling

Based on the conditions present during the July and September SVI sampling events and the analytical results, NYSDEC required a Soil Vapor Intrusion Evaluation Work Plan (SVIEWP) to be prepared and approved prior to additional SVI sampling occurring during the heating season. The SVIEWP was submitted to NYSDEC on October 27, 2025, and was revised following NYSDEC comments and resubmitted on November 4, 2025. The scope of work outlined in the SVIEWP included the installation of an additional SVMP (SVMP-8) and SVI sampling during the heating season with the HVAC system operating as it will under building occupancy conditions. NYSDEC approved the revised SVIEWP on November 17, 2025.

An additional SVMP, designated as SVMP-8, was installed within the parking garage on November 12, 2025. The schedule for implementing the SVI sampling included a tiered approach aligned with the building's phased construction and occupancy schedule. The first phase of SVI sampling was conducted on November 18-19, 2025, and included collection of samples from SVMP-3, SVMP-4, SVMP-7 and SVMP8 with co-located indoor air samples IA-1 through IA-8 collected concurrently and a standalone concurrent sample IA-9 collected from the bike room located in the western cellar portion of the building. All work was completed in accordance with the approved SVIEWP. The locations of all soil vapor monitoring points and SSDS components are shown on Figure 6A. The soil vapor and indoor air samples were collected in batch-certified 6L summa canisters over a 24-hr period and analyzed at an ELAP certified laboratory for TO-15.

When compared to the matrices, the November SVI evaluation results indicate that no further action is required, except for SVMP-4/IA-4 which fall into the category with the recommendation to mitigate due to concentrations of PCE in IA-4. Carbon tetrachloride was detected in IA-9 at a concentration of 3.7 ug/m3. Roux believes the elevated detection of PCE in IA-4, PCE detections in other IA samples and the carbon tetrachloride detection in IA-9 were caused by recent applications of VOC-containing products including concrete water-resistant sealants, paints, epoxy, etc. and are not indicative of a SVI issue. However, to

mitigate potential exposures, the passive SSDS was modified to become an active SSDS, as discussed further below in Section 4.12.

Table 16 contains all SVI evaluation data, Appendix P contains all analytical laboratory reports, Appendix O contains the DUSR and Figure 6A displays the detections of VOCs at each SVMP and IA location. The EDD associated with this data was submitted to the NYSDEC, and EDD acceptance documentation is provided in Appendix O.

4.11 Site Cover System

Exposure to remaining contamination in soil/fill at the Site is prevented by a cover system placed over the Site. The cover system was completed on October 21, 2024. The cover system is comprised of concrete-covered sidewalks, landscaped or gravel covered areas (with a minimum of 24 inches of clean fill over Site soils) and concrete building foundation. Figure 7 shows the as-built cross sections for each remedial cover type used on the Site and location of each cover type built at the Site and additional building construction documentation is provided in Appendix R. An Excavation Work Plan, which outlines the procedures required in the event the cover system and/or underlying residual contamination are disturbed, is provided in Appendix A of the SMP.

4.12 Sub Slab Depressurization System

In order to prevent soil vapor impacts to indoor air, a passive SSDS was installed as part of construction, as specified in the RAWP. Based on SVI data collected in November 2025, as discussed above in Section 4.10, the passive SSDS was subsequently converted to an active SSDS in December 2025. The active SSDS includes a network of trenches (i.e., branches) of 4” perforated polyvinyl chloride (PVC) piping within 12-inch thick gravel bedding trenches. The sub-slab piping network is connected to five (5) steel discharge stacks which terminate on the roof of the 7th floor and 21st floor. An electric powered blower is installed at the top of each stack. A total of eight sub-slab SVMPs were also installed within the first floor to monitor the effectiveness of the active SSDS on a periodic basis. The active SSDS was successfully activated on December 10, 2025, indicated by visual inspection and vacuum readings greater than 0.004 inches of water column at each SVMP and extraction point, which was conveyed to the NYSDEC in a memo dated December 11, 2025 and is included in Appendix S. The SMP will outline details related to the active SSDS as an engineering control, and requirements for monitoring and termination. The as-built locations of the SSDS system and SVMPs are shown on Drawings 1 through 5 in Appendix T.

4.13 Institutional Controls

The Site remedy requires that an environmental easement be placed on the property to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to restricted residential, commercial, or industrial uses only.

The environmental easement for the Site was executed by the Department on August 26, 2025, and filed with the New York City Office of the City Register on October 6, 2025. The County Recording Identifier number for this filing is 2025000272833. A copy of the easement and proof of filing is provided in Appendix B.

4.14 Deviations from the Remedial Action Work Plan

Deviations from the NYSDEC-approved RAWP occurred during implementation of the RA at the Site. All deviations were approved by NYSDEC and executed under the oversight of a registered professional engineer. Deviations from the RAWP included:

- A larger volume of non-hazardous soil was excavated and exported offsite as part of the remedial action than was originally estimated in the RAWP due to two reasons: 1) additional excavation in the waterfront area to accommodate a 2 foot site cover in landscaped areas, and 2) all soil from the top 2 feet beneath the new building footprint was excavated and disposed offsite as opposed to reused onsite as was contemplated in the RAWP. Details and quantities of all soil removal are provided in Section 4.7.1.
- A request was submitted to the NYSDEC to reuse additional onsite soils from beneath the remedial excavation depth after submittal and approval of the RAWP. A description of NYSDEC approved reuse of on-Site soil is provided in Section 4.5.2.
- During waste characterization sampling that occurred after submittal and approval of the RAWP, a second hazardous lead hotspot was identified onsite. Delineation sampling, excavation, disposal as hazardous fill and endpoint confirmation sampling occurred as discussed in Sections 4.7.2 and 4.10.1.
- Roux submitted a Request for Temporary Modification/Pause of Community Air Monitoring Plan Implementation to the NYSDEC on June 24, 2024 which was approved on July 2, 2024. The letter requested approval to temporarily pause CAMP implementation as Site soils were no longer exposed and reduce remedial oversight and daily report submittal frequency to one inspection and daily report every two weeks. Daily oversight and CAMP responsibilities ended on July 31, 2024.
- On March 29, 2023, a small hydraulic oil spill occurred on the southeast portion of the Site. This small spill was called into the NYSDEC Hot Line on March 29, 2023, and was assigned Spill Number 2210240. Impacted soil was limited to only the shallow stone (0 to a maximum of 2 inches below grade), as the contractors very quickly responded to the release using oil absorbent material (i.e., Oil-Dri). This quick response, combined with the fact that the spill occurred in the heavy equipment loading area where the soil is highly compacted, prevented the hydraulic oil from migrating beyond the shallow, surface soil. On March 29 through March 31, 2023, the contractor used shovels to remove the impacted shallow surface soil. All visually impacted soil was removed and containerized in drums for offsite disposal. A total of five drums were generated for offsite disposal. Shortly after cleanup, Roux screened the shallow excavation area with a photoionization detector (PID) and did identify any detections above background levels. Following cleanup, on April 5, 2023, at the direction of NYSDEC, Roux collected a composite soil sample from the base of the shallow exaction area to document the cleanup. The soil sample was analyzed for CP-51 VOCs and SVOCs. All compounds were either non-detect or detected below the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives. NYSDEC closed the spill on May 2, 2023.
- The location of some SSDS piping and SVMPs were relocated due to modifications to the building design that occurred following submittal of the RAWP. The central portion of the ground floor was designated as a parking garage and contains ventilation designed to mitigate human exposure of gases produced from vehicle exhaust. SSDS designs typically do not include piping and SVMPs in areas such as parking garages which already contain ventilation structures for human health protection. Also, the western portion of the Site contains a cellar which is located beneath the water table and therefore SSDS piping and SVMPs were removed from this area or relocated. The as-built deviations from design for the SSDS are illustrated on Figure 6B.
- Based on SVI results collected in November 2025 as discussed in Section 4.10, the SSDS was upgraded from a passive SSDS as proposed in the RAWP to an active SSDS. The SSDS is discussed further in Section 4.12 and Figure 6B and Appendix R illustrate the SSDS design.

TABLES

1. Soil Cleanup Objectives (SCOs) for the Project
2. Offsite Non-hazardous Soil/Waste Disposal Volumes and Facilities
3. Offsite Hazardous Soil/Waste Disposal Volumes and Facilities
4. Summary of Volatile Organic Compounds in Endpoint Soil Samples
5. Summary of Semivolatile Organic Compounds in Endpoint Soil Samples
6. Summary of Metals in Endpoint Soil Samples
7. Summary of Polychlorinated Biphenyls in Endpoint Soil Samples
8. Summary of Pesticides and Herbicides in Endpoint Soil Samples
9. Summary of TCLP Metals in Endpoint Soil Samples
10. Monitoring Well Construction Details
11. Summary of Volatile Organic Compounds in Groundwater
12. Summary of Semivolatile Organic Compounds in Groundwater
13. Summary of Metals in Groundwater
14. Summary of Polychlorinated Biphenyls in Groundwater
15. Summary of Pesticides and Herbicides in Groundwater
16. Summary of Volatile Organic Compounds in Soil Vapor

Table 1. List of Soil Cleanup Objectives, 1 Java Street, Brooklyn, New York

	NYSDEC Part 375 Restricted Residential Soil Cleanup Objective	Unit
Volatile Organic Compounds		
1,1,1-Trichloroethane (TCA)	100	mg/kg
1,1,2,2-Tetrachloroethane	--	mg/kg
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	mg/kg
1,1,2-Trichloroethane	--	mg/kg
1,1-Dichloroethane	26	mg/kg
1,1-Dichloroethene	100	mg/kg
1,2,3-Trichlorobenzene	--	mg/kg
1,2,4-Trichlorobenzene	--	mg/kg
1,2,4-Trimethylbenzene	52	mg/kg
1,2-Dibromo-3-Chloropropane	--	mg/kg
1,2-Dibromoethane (Ethylene Dibromide)	--	mg/kg
1,2-Dichlorobenzene	100	mg/kg
1,2-Dichloroethane	3.1	mg/kg
1,2-Dichloropropane	--	mg/kg
1,3,5-Trimethylbenzene (Mesitylene)	52	mg/kg
1,3-Dichlorobenzene	49	mg/kg
1,4-Dichlorobenzene	13	mg/kg
2-Hexanone	--	mg/kg
Acetone	100	mg/kg
Benzene	4.8	mg/kg
Bromochloromethane	--	mg/kg
Bromodichloromethane	--	mg/kg
Bromoform	--	mg/kg
Bromomethane	--	mg/kg
Carbon Disulfide	--	mg/kg
Carbon Tetrachloride	2.4	mg/kg
Chlorobenzene	100	mg/kg
Chloroethane	--	mg/kg
Chloroform	49	mg/kg
Chloromethane	--	mg/kg
Cis-1,2-Dichloroethylene	100	mg/kg
Cis-1,3-Dichloropropene	--	mg/kg
Cyclohexane	--	mg/kg
Dibromochloromethane	--	mg/kg
Dichlorodifluoromethane	--	mg/kg
Ethylbenzene	41	mg/kg
Isopropylbenzene (Cumene)	--	mg/kg
m,p-Xylene	--	mg/kg
Methyl Acetate	--	mg/kg
Methyl Ethyl Ketone (2-Butanone)	100	mg/kg
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	mg/kg
Methylcyclohexane	--	mg/kg
Methylene Chloride	100	mg/kg
N-Butylbenzene	100	mg/kg
N-Propylbenzene	100	mg/kg
O-Xylene (1,2-Dimethylbenzene)	--	mg/kg
Sec-Butylbenzene	100	mg/kg
Styrene	--	mg/kg
T-Butylbenzene	100	mg/kg
Tert-Butyl Methyl Ether	100	mg/kg
Tetrachloroethylene (PCE)	19	mg/kg
Toluene	100	mg/kg
Trans-1,2-Dichloroethene	100	mg/kg

Table 1. List of Soil Cleanup Objectives, 1 Java Street, Brooklyn, New York

	NYSDEC Part 375 Restricted Residential Soil Cleanup Objective	Unit
Trichloroethylene (TCE)	21	mg/kg
Trichlorofluoromethane	--	mg/kg
Vinyl Chloride	0.9	mg/kg
Xylenes	100	mg/kg
Semivolatile Organic Compounds		
1,2,4,5-Tetrachlorobenzene	--	mg/kg
1,4-Dioxane (P-Dioxane)	13	mg/kg
2,3,4,6-Tetrachlorophenol	--	mg/kg
2,4,5-Trichlorophenol	--	mg/kg
2,4,6-Trichlorophenol	--	mg/kg
2,4-Dichlorophenol	--	mg/kg
2,4-Dimethylphenol	--	mg/kg
2,4-Dinitrophenol	--	mg/kg
2,4-Dinitrotoluene	--	mg/kg
2,6-Dinitrotoluene	--	mg/kg
2-Chloronaphthalene	--	mg/kg
2-Chlorophenol	--	mg/kg
2-Methylnaphthalene	--	mg/kg
2-Methylphenol (O-Cresol)	100	mg/kg
2-Nitroaniline	--	mg/kg
2-Nitrophenol	--	mg/kg
3,3'-Dichlorobenzidine	--	mg/kg
3-Nitroaniline	--	mg/kg
4,6-Dinitro-2-Methylphenol	--	mg/kg
4-Bromophenyl Phenyl Ether	--	mg/kg
4-Chloro-3-Methylphenol	--	mg/kg
4-Chloroaniline	--	mg/kg
4-Chlorophenyl Phenyl Ether	--	mg/kg
4-Methylphenol (P-Cresol)	100	mg/kg
4-Nitroaniline	--	mg/kg
4-Nitrophenol	--	mg/kg
Acenaphthene	100	mg/kg
Acenaphthylene	100	mg/kg
Acetophenone	--	mg/kg
Anthracene	100	mg/kg
Atrazine	--	mg/kg
Benzaldehyde	--	mg/kg
Benzo(A)Anthracene	1	mg/kg
Benzo(A)Pyrene	1	mg/kg
Benzo(B)Fluoranthene	1	mg/kg
Benzo(G,H,I)Perylene	100	mg/kg
Benzo(K)Fluoranthene	3.9	mg/kg
Benzyl Butyl Phthalate	--	mg/kg
Biphenyl (Diphenyl)	--	mg/kg
Bis(2-Chloroethoxy) Methane	--	mg/kg
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	mg/kg
Bis(2-Chloroisopropyl) Ether	--	mg/kg
Bis(2-Ethylhexyl) Phthalate	--	mg/kg
Caprolactam	--	mg/kg
Carbazole	--	mg/kg
Chrysene	3.9	mg/kg
Cresols, M & P	100	mg/kg
Dibenz(A,H)Anthracene	0.33	mg/kg
Dibenzofuran	59	mg/kg

Table 1. List of Soil Cleanup Objectives, 1 Java Street, Brooklyn, New York

	NYSDEC Part 375 Restricted Residential Soil Cleanup Objective	Unit
Dimethyl Phthalate	--	mg/kg
Di-N-Butyl Phthalate	--	mg/kg
Di-N-Octylphthalate	--	mg/kg
Fluoranthene	100	mg/kg
Fluorene	100	mg/kg
Hexachlorobenzene	1.2	mg/kg
Hexachlorobutadiene	--	mg/kg
Hexachlorocyclopentadiene	--	mg/kg
Hexachloroethane	--	mg/kg
Indeno(1,2,3-C,D)Pyrene	0.5	mg/kg
Isophorone	--	mg/kg
Naphthalene	100	mg/kg
Nitrobenzene	--	mg/kg
N-Nitrosodi-N-Propylamine	--	mg/kg
N-Nitrosodiphenylamine	--	mg/kg
Pentachlorophenol	6.7	mg/kg
Phenanthrene	100	mg/kg
Phenol	100	mg/kg
Pyrene	100	mg/kg
Metals		
Aluminum	--	mg/kg
Antimony	--	mg/kg
Arsenic	16	mg/kg
Barium	400	mg/kg
Beryllium	72	mg/kg
Cadmium	4.3	mg/kg
Calcium	--	mg/kg
Chromium III	180	mg/kg
Chromium, Hexavalent	110	mg/kg
Chromium, Total	180	mg/kg
Cobalt	--	mg/kg
Copper	270	mg/kg
Cyanide	27	mg/kg
Iron	--	mg/kg
Lead	400	mg/kg
Magnesium	--	mg/kg
Manganese	2000	mg/kg
Mercury	0.81	mg/kg
Nickel	310	mg/kg
Potassium	--	mg/kg
Selenium	180	mg/kg
Silver	180	mg/kg
Sodium	--	mg/kg
Thallium	--	mg/kg
Vanadium	--	mg/kg
Zinc	10000	mg/kg
Polychlorinated Biphenyls		
PCB-1016 (Aroclor 1016)	--	mg/kg
PCB-1221 (Aroclor 1221)	--	mg/kg
PCB-1232 (Aroclor 1232)	--	mg/kg
PCB-1242 (Aroclor 1242)	--	mg/kg
PCB-1248 (Aroclor 1248)	--	mg/kg
PCB-1254 (Aroclor 1254)	--	mg/kg
PCB-1260 (Aroclor 1260)	--	mg/kg

Table 1. List of Soil Cleanup Objectives, 1 Java Street, Brooklyn, New York

	NYSDEC Part 375 Restricted Residential Soil Cleanup Objective	Unit
PCB-1268 (Aroclor 1268)	--	mg/kg
Polychlorinated Biphenyl (PCBs)	1	mg/kg
Pesticides and Herbicides		
2,4-D (Dichlorophenoxyacetic Acid)	--	mg/kg
Acetic acid, (2,4,5-trichlorophenoxy)-	--	mg/kg
Aldrin	0.097	mg/kg
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.48	mg/kg
Alpha Endosulfan	24	mg/kg
Beta Bhc (Beta Hexachlorocyclohexane)	0.36	mg/kg
Beta Endosulfan	24	mg/kg
Chlordane (Technical)	--	mg/kg
cis-Chlordane	4.2	mg/kg
Delta BHC (Delta Hexachlorocyclohexane)	100	mg/kg
Dieldrin	0.2	mg/kg
Endosulfan Sulfate	24	mg/kg
Endrin	11	mg/kg
Endrin Aldehyde	--	mg/kg
Endrin Ketone	--	mg/kg
Gamma Bhc (Lindane)	1.3	mg/kg
Heptachlor	2.1	mg/kg
Heptachlor Epoxide	--	mg/kg
Methoxychlor	--	mg/kg
P,P'-DDD	13	mg/kg
P,P'-DDE	8.9	mg/kg
P,P'-DDT	7.9	mg/kg
Silvex (2,4,5-TP)	100	mg/kg
Toxaphene	--	mg/kg

Table 1. List of Soil Cleanup Objectives, 1 Java Street, Brooklyn, New York

	NYSDEC Restricted Residential Guidance Value*	Unit
Per- and Polyfluoroalkyl Substances		
2-(N-methyl perfluorooctanesulfonamido) acetic a	--	ug/kg
N-ethyl perfluorooctanesulfonamidoacetic acid	--	ug/kg
Perfluorobutanesulfonic acid (PFBS)	--	ug/kg
Perfluorobutanoic Acid	--	ug/kg
Perfluorodecane Sulfonic Acid	--	ug/kg
Perfluorodecanoic acid (PFDA)	--	ug/kg
Perfluorododecanoic acid (PFDoA)	--	ug/kg
Perfluoroheptane Sulfonate (PFHPS)	--	ug/kg
Perfluoroheptanoic acid (PFHpA)	--	ug/kg
Perfluorohexanesulfonic acid (PFHxS)	--	ug/kg
Perfluorohexanoic acid (PFHxA)	--	ug/kg
Perfluorononanoic acid (PFNA)	--	ug/kg
Perfluorooctane Sulfonamide (FOSA)	--	ug/kg
Perfluorooctanesulfonic acid (PFOS)	44	ug/kg
Perfluorooctanoic acid (PFOA)	33	ug/kg
Perfluoropentanoic Acid (PFPeA)	--	ug/kg
Perfluorotetradecanoic acid (PFTA)	--	ug/kg
Perfluorotridecanoic Acid (PFTriA)	--	ug/kg
Perfluoroundecanoic Acid (PFUnA)	--	ug/kg
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate	--	ug/kg
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate	--	ug/kg

Notes:
* - Soil Cleanup Objectives not established
mg/kg - milligrams per kilogram
ug/kg - micrograms per kilgram

Table 2. Offsite Non-hazardous Soil/ Waste Disposal Volumes and Facilities

#	Date	Grid cell	Disposal Facility	Manifest No	Truck No / License Plate No	Hauling Company	Weight (Tons)
1	11/29/2022	SC-4 (0-6)	Bayshore	E0656358	03/AW357N	Cuenca Coronel	29.31
2	11/29/2022	SC-4 (0-6)	Bayshore	E0656359	75/AW539W	Cuenca Coronel	25.44
3	11/29/2022	SC-4 (0-6)	Bayshore	E0656360	14/AW632C	Cuenca Coronel	27.76
4	11/29/2022	SC-4 (0-6)	Bayshore	E0656361	12/AU489M	Cuenca Coronel	27.80
5	11/29/2022	SC-4 (0-6)	Bayshore	E0656362	13/AU883L	Cuenca Coronel	26.65
6	11/29/2022	SC-4 (0-6)	Bayshore	E0656363	11/AU665P	Cuenca Coronel	26.88
7	11/29/2022	SC-4 (0-6)	Bayshore	E0656364	4/AU111V	Cuenca Coronel	31.52
8	11/29/2022	SC-4 (0-6)	Bayshore	E0656365	72/AU759A	Cuenca Coronel	26.94
9	11/29/2022	SC-4 (0-6)	Bayshore	E0656366	79/AY839B	Cuenca Coronel	26.76
10	11/29/2022	SC-4 (0-6)	Bayshore	E0656367	09/AU809U	Cuenca Coronel	29.17
11	11/29/2022	SC-4 (0-6)	Bayshore	E0656368	16/AT473R	Cuenca Coronel	27.04
12	11/29/2022	SC-4 (0-6)	Bayshore	E0656369	78/AY838B	Cuenca Coronel	28.65
13	11/29/2022	SC-4 (0-6)	Bayshore	E0656370	77/AW541W	Cuenca Coronel	27.49
14	11/29/2022	SC-4 (0-6)	Bayshore	E0656371	63/AS647U	Cuenca Coronel	27.38
15	11/29/2022	SC-4 (0-6)	Bayshore	E0656372	69/AS465Z	Cuenca Coronel	28.23
16	11/29/2022	SC-4 (0-6)	Bayshore	E0656373	2/AW354N	Cuenca Coronel	29.30
17	11/29/2022	SC-4 (0-6)	Bayshore	E0656374	36/AS382K	Cuenca Coronel	27.57
18	11/29/2022	SC-4 (0-6)	Bayshore	E0656375	73/AU758A	Cuenca Coronel	25.89
19	11/29/2022	SC-4 (0-6)	Bayshore	E0656376	37/AT279E	Cuenca Coronel	27.66
20	11/29/2022	SC-4 (0-6)	Bayshore	E0656377	13/AU883L	Cuenca Coronel	27.30
21	11/29/2022	SC-4 (0-6)	Bayshore	E0656378	68/AS963Y	Cuenca Coronel	24.65
22	11/29/2022	SC-4 (0-6)	Bayshore	E0656379	05/AU926U	Cuenca Coronel	28.46
23	11/29/2022	SC-4 (0-6)	Bayshore	E0656380	75/AW539W	Cuenca Coronel	28.42
24	11/29/2022	SC-4 (0-6)	Bayshore	E0656381	03/AW357N	Cuenca Coronel	28.94
25	12/2/2022	SC-4 (0-6)	Bayshore	E0656382	09/AU809U	Cuenca Coronel	30.24
26	12/2/2022	SC-4 (0-6)	Bayshore	E0656383	79/AY839B	Cuenca Coronel	31.45
27	12/2/2022	SC-4 (0-6)	Bayshore	E0656384	75/AW539W	Cuenca Coronel	28.08
28	12/2/2022	SC-4 (0-6)	Bayshore	E0656385	74/AV760A	Cuenca Coronel	32.78
29	12/2/2022	SC-4 (0-6)	Bayshore	E0656386	68/AS963Y	Cuenca Coronel	30.37
30	12/2/2022	SC-4 (0-6)	Bayshore	E0656387	04/AU111V	Cuenca Coronel	29.40
31	12/2/2022	SC-4 (0-6)	Bayshore	E0656388	27/AT686H	Cuenca Coronel	32.36
32	12/2/2022	SC-4 (0-6)	Bayshore	E0656389	41/AT398F	Cuenca Coronel	27.09
33	12/2/2022	SC-4 (0-6)	Bayshore	E0656391	75/AW539W	Cuenca Coronel	29.43
34	12/2/2022	SC-4 (0-6)	Bayshore	E0656392	09/AU809U	Cuenca Coronel	30.52
35	12/2/2022	SC-4 (0-6)	Bayshore	E0656393	79/AY839B	Cuenca Coronel	29.84
36	12/2/2022	SC-4 (0-6)	Bayshore	E0656394	72/AU759A	Cuenca Coronel	29.87
37	12/2/2022	SC-4 (0-6)	Bayshore	E0656395	15/AT472R	Cuenca Coronel	29.94
38	12/2/2022	SC-4 (0-6)	Bayshore	E0656396	48/AS725D	Cuenca Coronel	26.64
39	12/2/2022	SC-4 (0-6)	Bayshore	E0656397	78/AY838B	Cuenca Coronel	26.74
40	12/2/2022	SC-4 (0-6)	Bayshore	E0656398	74/AV760A	Cuenca Coronel	29.58
41	12/2/2022	SC-4 (0-6)	Bayshore	E0656400	78/AY838B	Cuenca Coronel	25.52
42	12/2/2022	SC-4 (0-6)	Bayshore	E0656401	69/AS465Z	Cuenca Coronel	32.43
43	12/19/2022	SC-4 (0-6)	Bayshore	E0656402	64/AW400R	Cuenca Coronel	25.79
44	12/19/2022	SC-4 (0-6)	Bayshore	E0656403	17/AT104E	Cuenca Coronel	28.83
45	12/19/2022	SC-4 (0-6)	Bayshore	E0656404	75/AW539W	Cuenca Coronel	28.13
46	12/19/2022	SC-4 (0-6)	Bayshore	E0656405	41/AT398F	Cuenca Coronel	25.50
47	12/19/2022	SC-4 (0-6)	Bayshore	E0656406	78/AY838B	Cuenca Coronel	28.42
48	12/19/2022	SC-4 (0-6)	Bayshore	E0656407	17/AT104E	Cuenca Coronel	29.49
49	12/19/2022	SC-4 (0-6)	Bayshore	E0656408	78/AY838B	Cuenca Coronel	26.89
50	12/19/2022	SC-4 (0-6)	Bayshore	E0656409	54/AS208J	Cuenca Coronel	28.42
51	12/19/2022	SC-4 (0-6)	Bayshore	E0656410	68/AS963Y	Cuenca Coronel	30.51
52	12/19/2022	SC-4 (0-6)	Bayshore	E0656411	41/AT398F	Cuenca Coronel	26.92
53	12/19/2022	SC-4 (0-6)	Bayshore	E0656412	08/AU808U	Cuenca Coronel	28.68
54	12/19/2022	SC-4 (0-6)	Bayshore	E0656413	75/AW539W	Cuenca Coronel	29.20
55	12/19/2022	SC-4 (0-6)	Bayshore	E0656414	77/AW541W	Cuenca Coronel	29.04
56	12/19/2022	SC-4 (0-6)	Bayshore	E0656415	54/AS208J	Cuenca Coronel	28.82
57	12/19/2022	SC-4 (0-6)	Bayshore	E0656416	03/AW357N	Cuenca Coronel	29.94
58	12/19/2022	SC-4 (0-6)	Bayshore	E0656417	48/AS725D	Cuenca Coronel	29.50
59	12/19/2022	SC-4 (0-6)	Bayshore	E0656418	65/AS469V	Cuenca Coronel	29.75
60	12/19/2022	SC-4 (0-6)	Bayshore	E0656419	50/AS999D	Cuenca Coronel	28.74
61	12/19/2022	SC-4 (0-6)	Bayshore	E0656420	75/AW539W	Cuenca Coronel	28.81
62	12/19/2022	SC-4 (0-6)	Bayshore	E0656421	78/AY838B	Cuenca Coronel	29.10
63	12/19/2022	SC-4 (0-6)	Bayshore	E0656422	17/AT104E	Cuenca Coronel	32.00
64	12/20/2022	SC-4 (0-6)	Bayshore	E0656423	55/AS597J	Cuenca Coronel	28.73
65	12/20/2022	SC-4 (0-6)	Bayshore	E0656424	10/AV664D	Cuenca Coronel	31.74
66	12/20/2022	SC-4 (0-6)	Bayshore	E0656426	08/AV808V	Cuenca Coronel	29.31
67	12/20/2022	SC-4 (0-6)	Bayshore	E0656427	71/AT399F	Cuenca Coronel	29.35
68	12/20/2022	SC-4 (0-6)	Bayshore	E0656428	77/AW541W	Cuenca Coronel	29.18
69	12/20/2022	SC-4 (0-6)	Bayshore	E0656429	28/AT257J	Cuenca Coronel	33.03
70	12/20/2022	SC-4 (0-6)	Bayshore	E0656430	56/AS715J	Cuenca Coronel	26.21
71	12/20/2022	SC-4 (0-6)	Bayshore	E0656431	68/AS963Y	Cuenca Coronel	30.86

Table 2. Offsite Non-hazardous Soil/ Waste Disposal Volumes and Facilities

#	Date	Grid cell	Disposal Facility	Manifest No	Truck No / License Plate No	Hauling Company	Weight (Tons)
72	12/20/2022	SC-4 (0-6)	Bayshore	E0656432	54/AS208J	Cuenca Coronel	29.50
73	12/20/2022	SC-4 (0-6)	Bayshore	E0656433	02/29103PF	Civetta	27.99
74	12/20/2022	SC-4 (0-6)	Bayshore	E0656434	06/AV927V	Cuenca Coronel	29.18
75	12/20/2022	SC-4 (0-6)	Bayshore	E0656435	09/AU829V	Cuenca Coronel	31.35
76	12/20/2022	SC-4 (0-6)	Bayshore	E0656436	78/AY838B	Cuenca Coronel	26.68
77	12/22/2022	SC-4 (0-6)	Bayshore	E0656425	17/AT104E	Cuenca Coronel	27.39
78	12/22/2022	SC-4 (0-6)	Bayshore	E0656437	08/AV808V	Cuenca Coronel	26.84
79	12/22/2022	SC-4 (0-6)	Bayshore	E0656438	02/29103PF	Civetta	24.65
80	12/22/2022	SC-4 (0-6)	Bayshore	E0656439	41/AT398F	Cuenca Coronel	28.40
81	12/22/2022	SC-4 (0-6)	Bayshore	E0656440	16/AT473R	Cuenca Coronel	28.75
82	12/22/2022	SC-4 (0-6)	Bayshore	E0656441	12/AU489M	Cuenca Coronel	28.61
83	12/22/2022	SC-4 (0-6)	Bayshore	E0656442	28/AT257J	Cuenca Coronel	29.35
84	12/22/2022	SC-4 (0-6)	Bayshore	E0656443	02/29103PF	Civetta	27.46
85	12/22/2022	SC-4 (0-6)	Bayshore	E0656444	01/64609PC	Civetta	24.05
86	12/22/2022	SC-4 (0-6)	Bayshore	E0656445	01/64609PC	Civetta	26.76
87	12/28/2022	SC-4 (0-6)	Bayshore	E0656446	78/AY838B	Cuenca Coronel	29.72
88	12/28/2022	SC-4 (0-6)	Bayshore	E0656447	65/AS469V	Cuenca Coronel	26.50
89	12/28/2022	SC-4 (0-6)	Bayshore	E0656448	27/AT686H	Cuenca Coronel	26.88
90	12/28/2022	SC-4 (0-6)	Bayshore	E0656449	65/AS469V	Cuenca Coronel	24.61
91	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0656450	AU760A/74	Cuenca	34.33
92	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0656451	AS467V/63	Cuenca	28.87
93	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0656452	AT257J/28	Cuenca	31.52
94	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0656453	AV883L/13	Cuenca	30.28
95	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0656454	AU665P/11	Cuenca	30.36
96	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0656455	29103PF/12	CCJV	27.08
97	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0656456	40849PC/05	CCJV	28.20
98	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0656457	AT383N/38	Cuenca	32.91
99	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683659	AT915D/70	Cuenca	30.91
100	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683660	AT399F/71	Cuenca	27.16
101	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683661	AT472R/15	Cuenca	28.32
102	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683662	29103PF/12	CCJV	29.60
103	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683663	40849PC/05	CCJV	28.73
104	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683664	AS208J/54	Cuenca	30.27
105	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683665	AU760A/74	Cuenca	31.82
106	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683666	AT686H/27	Cuenca	27.83
107	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683667	AT104E/17	Cuenca	29.46
108	1/26/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683668	AS715J/56	Cuenca	29.30
109	1/27/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683669	AT383N/38	Cuenca	31.94
110	1/27/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683670	AU809U/09	Cuenca	32.58
111	1/27/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683671	AS469U/65	Cuenca	28.55
112	1/27/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683672	AU760A/74	Cuenca	30.60
113	1/27/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683673	AW540W/76	Cuenca	29.64
114	1/27/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683674	AS469U/65	Cuenca	28.95
115	1/27/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683675	AS213L/58	Cuenca	29.54
116	1/27/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683676	AU927U/06	Cuenca	33.67
117	1/27/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683677	AT257I/28	Cuenca	34.01
118	1/27/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683678	AU809U/09	Cuenca	34.64
119	1/27/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683681	AU809U/09	Cuenca	32.96
120	1/27/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683682	AU760A/74	Cuenca	32.20
121	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683679	AT257J/28	Cuenca	35.47
122	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683680	AU925U/07	Cuenca	35.11
123	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683683	AU809U/09	Cuenca	29.79
124	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683684	AT257J/28	Cuenca	32.99
125	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683685	AS467U/63	Cuenca	29.30
126	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683686	AU925U/07	Cuenca	30.15
127	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683687	AS467U/63	Cuenca	27.29
128	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683688	AU925U/07	Cuenca	30.79
129	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683689	AU809U/09	Cuenca	33.17
130	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683690	AS467U/63	Cuenca	29.82
131	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683691	AU808U/08	Cuenca	30.20
132	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683692	AU664P/10	Cuenca	31.76
133	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0683693	AU809U/09	Cuenca	31.79
134	1/30/2023	SC-4, SC-5, SC-7, SC-8, SC-9, SC-12 (0-6)	Bayshore	E0836694	AS469U/65	Cuenca	29.22
135	2/3/2023	SC-8, SC-9, SC-10, SC-12 (0-6)	Bayshore	E0686863	AU809/09	Cuenca	32.05
136	2/3/2023	SC-8, SC-9, SC-10, SC-12 (0-6)	Bayshore	E0686864	AU664P/10	Cuenca	29.89
137	2/3/2023	SC-8, SC-9, SC-10, SC-12 (0-6)	Bayshore	E0686865	AU809/09	Cuenca	30.29
138	2/3/2023	SC-8, SC-9, SC-10, SC-12 (0-6)	Bayshore	E0686866	AY838B/78	Cuenca	29.26
139	2/3/2023	SC-8, SC-9, SC-10, SC-12 (0-6)	Bayshore	E0686867	AT383N/38	Cuenca	29.22
140	2/3/2023	SC-8, SC-9, SC-10, SC-12 (0-6)	Bayshore	E0686868	AY838B/78	Cuenca	29.76
141	2/3/2023	SC-8, SC-9, SC-10, SC-12 (0-6)	Bayshore	E0686869	AT383N/38	Cuenca	28.38
142	2/3/2023	SC-8, SC-9, SC-10, SC-12 (0-6)	Bayshore	E0686870	AU664P/10	Cuenca	30.68

Table 2. Offsite Non-hazardous Soil/ Waste Disposal Volumes and Facilities

#	Date	Grid cell	Disposal Facility	Manifest No	Truck No / License Plate No	Hauling Company	Weight (Tons)
143	2/3/2023	SC-8, SC-9, SC-10, SC-12 (0-6)	Bayshore	E0686871	AT472R/15	Cuenca	26.43
144	2/3/2023	SC-8, SC-9, SC-10, SC-12 (0-6)	Bayshore	E0686872	AY839B/79	Cuenca	30.07
145	2/3/2023	SC-8, SC-9, SC-10, SC-12 (0-6)	Bayshore	E0686873	AW539W/75	Cuenca	27.57
146	2/3/2023	SC-8, SC-9, SC-10, SC-12 (0-6)	Bayshore	E0686874	AT279E/37	Cuenca	29.04
147	2/7/2023	SC-12 and SC-14 (0-6)	Bayshore	E0686875	AU758A/73	Cuenca	28.84
148	2/7/2023	SC-12 and SC-14 (0-6)	Bayshore	E0686876	AY838B/78	Cuenca	29.67
149	2/7/2023	SC-12 and SC-14 (0-6)	Bayshore	E0686877	AY838B/78	Cuenca	28.81
150	2/7/2023	SC-12 and SC-14 (0-6)	Bayshore	E0686878	AU758A/73	Cuenca	29.03
151	2/7/2023	SC-12 and SC-14 (0-6)	Bayshore	E0686879	AW539W/75	Cuenca	29.29
152	2/7/2023	SC-12 and SC-14 (0-6)	Bayshore	E0686880	AT104E/17	Cuenca	28.92
153	2/7/2023	SC-12 and SC-14 (0-6)	Bayshore	E0686895	AT104E/17	Cuenca	31.22
154	2/7/2023	SC-12 and SC-14 (0-6)	Bayshore	E0686896	AW539W/75	Cuenca	29.47
155	2/7/2023	SC-12 and SC-14 (0-6)	Bayshore	E0686897	AY838B/78	Cuenca	30.03
156	2/7/2023	SC-12 and SC-14 (0-6)	Bayshore	E0686899	AY838B/78	Cuenca	27.33
157	2/7/2023	SC-12 and SC-14 (0-6)	Bayshore	E0686900	AW539W/75	Cuenca	28.61
158	2/7/2023	SC-12 and SC-14 (0-6)	Bayshore	E0686901	AT104E/17	Cuenca	27.50
159	2/8/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686881	29103PC/02	CCJV	29.28
160	2/8/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686882	AU760A/74	Cuenca	31.89
161	2/8/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686883	AU758A/73	Cuenca	32.02
162	2/8/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686884	AT472R/15	Cuenca	28.84
163	2/8/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686885	AT399F/71	Cuenca	30.61
164	2/8/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686886	64609PC/01	CCJV	27.06
165	2/8/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686887	29103PC/02	CCJV	22.89
166	2/8/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686888	AU758A/73	Cuenca	32.60
167	2/8/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686889	AU760A/74	Cuenca	32.15
168	2/8/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686898	64609PC/01	CCJV	27.89
169	2/9/2023	SC-12, SC-13	Bayshore	E0686890	40849PC/05	CCJV	26.85
170	2/14/2023	SC-12, SC-13	Bayshore	E0686812	5/40849PC	CCJV	25.07
171	2/14/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686812	74/AU760A	Cuenca	26.61
172	2/14/2023	SC-12, SC-13	Bayshore	E0686813	38/AT383N	Cuenca	31.04
173	2/14/2023	SC-12, SC-13	Bayshore	E0686814	60/AS550R	Cuenca	27.1
174	2/14/2023	SC-12, SC-13	Bayshore	E0686815	40849PC	CCJV	26.1
175	2/14/2023	SC-12, SC-13	Bayshore	E0686816	73/AU758A	Cuenca	32.05
176	2/14/2023	SC-12, SC-13	Bayshore	E0686817	40849PC	CCJV	24.19
177	2/14/2023	SC-12, SC-13	Bayshore	E0686818	73/AU758A	Cuenca	30.76
178	2/14/2023	SC-12, SC-13	Bayshore	E0686819	74/AU760A	Cuenca	31.55
179	2/17/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686845	01/64609PC	CCJV	22.24
180	2/17/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686846	02/29103PF	CCJV	24.17
181	2/17/2023	SC-8, SC-9, SC-10, SC-11, SC-12, SC-14(0-6)	Bayshore	E0686847	01/64609PC	CCJV	24.81
182	2/22/2023	SC-9	Bayshore	E0686810	40849PC	CCJV	24.55
183	2/24/2023	SC-9	Bayshore	E0686807	6/AU927U	Cuenca	31.26
184	2/24/2023	SC-9	Bayshore	E0686808	76/AW540W	Cuenca	28.28
185	2/24/2023	SC-9	Bayshore	E0686809	07/AU925U	Cuenca	27.65
186	2/24/2023	SC-9	Bayshore	E0686839	05/AU26U	Cuenca	28.35
187	2/24/2023	SC-9	Bayshore	E0686840	37/AT279E	Cuenca	29.43
188	2/24/2023	SC-9	Bayshore	E0686841	11/AU665P	Cuenca	28.71
189	2/24/2023	SC-9	Bayshore	E0686842	17/AT104E	Cuenca	26.25
190	2/24/2023	SC-9	Bayshore	E0686843	06/AU927U	Cuenca	28.76
191	2/24/2023	SC-9	Bayshore	E0686844	76/AW540W	Cuenca	29.41
192	2/24/2023	SC-9	Bayshore	E0686849	07/AU925U	Cuenca	30.29
193	2/24/2023	SC-9	Bayshore	E0686850	79/AY839B	Cuenca	30.6
194	2/24/2023	SC-9	Bayshore	E0686851	79/AY839B	Cuenca	29.81
195	3/8/2023	SC-16	Bayshore	E0686822	64609PC	CCJV	28.84
196	3/8/2023	SC-16	Bayshore	E0686823	58/AS213L	Cuenca	29.65
197	3/8/2023	SC-16	Bayshore	E0686824	41/AT398F	Cuenca	30.31
198	3/8/2023	SC-16	Bayshore	E0686825	27/AT686H	Cuenca	29.38
199	3/8/2023	SC-16	Bayshore	E0686826	28/AT257J	Cuenca	31.85
200	3/8/2023	SC-16	Bayshore	E0686831	07/AU925U	Cuenca	28.58
201	3/8/2023	SC-12	Bayshore	E0686832	74/AU760A	Cuenca	34.28
202	3/8/2023	SC-12	Bayshore	E0686833	79/AY839B	Cuenca	31.99
203	3/8/2023	SC-12	Bayshore	E0686834	73/AU758A	Cuenca	30.57
204	3/8/2023	SC-12	Bayshore	E0686835	64609PC	CCJV	26.37
205	3/8/2023	SC-16	Bayshore	E0686836	68/AS963Y	Cuenca	29.86
206	3/8/2023	SC-16	Bayshore	E0686837	21/AT324M	Cuenca	29.51
207	3/8/2023	SC-16	Bayshore	E0686838	5/AS715J	Cuenca	30.00
208	3/20/2023	SC-15, SC-16	Bayshore	E0708304	05/40849PC	CCJV	25.43
209	3/20/2023	SC-15, SC-16	Bayshore	E0708305	71/AT399F	Cuenca	32.38
210	3/20/2023	SC-15, SC-16	Bayshore	E0708306	05/40849PC	CCJV	27.29
211	3/20/2023	SC-15, SC-16	Bayshore	E0708307	09/AV809U	Cuenca	33.81
212	3/20/2023	SC-15, SC-16	Bayshore	E0708308	78/AY838B	Cuenca	31.23
213	3/20/2023	SC-15, SC-16	Bayshore	E0708309	78/AY838B	Cuenca	31.57

Table 2. Offsite Non-hazardous Soil/ Waste Disposal Volumes and Facilities

#	Date	Grid cell	Disposal Facility	Manifest No	Truck No / License Plate No	Hauling Company	Weight (Tons)
214	3/20/2023	SC-15, SC-16	Bayshore	E0708310	54/AS208J	Cuenca	30.99
215	3/20/2023	SC-15, SC-16	Bayshore	E0708311	71/AT399F	Cuenca	31.12
216	3/20/2023	SC-15, SC-16	Bayshore	E0708312	09/AV809U	Cuenca	32.43
217	3/20/2023	SC-15, SC-16	Bayshore	E0708313	69/AS465Z	Cuenca	31.80
218	3/20/2023	SC-15, SC-16	Bayshore	E0708314	05/40849PC	CCJV	24.59
219	3/20/2023	SC-15, SC-16	Bayshore	E0708315	37/AT279E	Cuenca	30.90
220	4/3/2023	SC-4, SC-5, SC-6	Bayshore	E0695214	06/AU927U	Cuenca	28.18
221	4/3/2023	SC-4, SC-5, SC-6	Bayshore	E0695215	05/AU926U	Cuenca	26.06
222	4/3/2023	SC-4, SC-5, SC-6	Bayshore	E0695216	75/AW539W	Cuenca	25.59
223	4/5/2023	SC-12,SC-13, SC-4, SC-5, SC-6	Bayshore	E0649615	07/AU925U	Cuenca	30.86
224	4/5/2023	SC-12,SC-13, SC-4, SC-5, SC-6	Bayshore	E0649616	69/AS465Z	Cuenca	31.41
225	4/6/2023	SC-12, SC-13	Bayshore	E0649633	78/AY838B	Cuenca	30.32
226	4/6/2023	SC-12, SC-13	Bayshore	E0649634	74/AU760A	Cuenca	29.48
227	4/6/2023	SC-12, SC-13	Bayshore	E0649635	75/AW539W	Cuenca	30.98
228	10/10/2024	Waterfront X/D	Bayshore	E0867824	8/AZ183A	LAD	27.49
229	10/10/2024	Waterfront X/D	Bayshore	E0867825	7/AZ932J	LAD	27.18
230	10/10/2024	Waterfront X/D	Bayshore	E0867826	2/ AZ584D	LAD	27.69
231	10/10/2024	Waterfront X/D	Bayshore	E0867827	12/AZ58f3D	LAD	29.53
232	10/10/2024	Waterfront X/D	Bayshore	E0867828	3/ AZ206C	LAD	30.83
233	10/10/2024	Waterfront X/D	Bayshore	E0867829	5/ AZ207C	LAD	31.74
234	10/11/2024	Waterfront X/D/A/B/C	Bayshore	E0867818	8/ AZ183A	LAD	31.93
235	10/11/2024	Waterfront X/D/A/B/C	Bayshore	E0867819	5/AZ207C	LAD	29.03
236	10/11/2024	Waterfront X/D/A/B/C	Bayshore	E0867820	15/AW249J	JID	29.17
237	10/11/2024	Waterfront X/D/A/B/C	Bayshore	E0867821	3/AZ206C	LAD	30.79
238	10/12/2024	Waterfront F/D	Bayshore	E0867770	08 / AZ138A	LAD	28.48
239	10/12/2024	Waterfront F/D	Bayshore	E0867771	10 / AZ208C	LAD	32.89
240	10/12/2024	Waterfront F/D	Bayshore	E0867772	15 / AW249J	LAD	28.96
241	10/12/2024	Waterfront F/D	Bayshore	E0867773	AZ932A	LAD	27.66
242	10/17/2024	Waterfront F/E	Bayshore	E0867774	27 / AZ933A	LAD	35.73
Total							**7075.32**

Table 3. Offsite Hazardous Soil/ Waste Disposal Volumes and Facilities

#	Date	Grid cell	Disposal Facility	Manifest No	Truck No / License Plate No	Hauling Company	Weight (Tons)
1	7/29/2022	SC-5-ABC (0-5')	Clean Earth	016688584	114/AU471C	Munoz	19.18
2	9/7/2022	Lead HS1	Clean Earth	018005761	114/AU471C	Munoz	21.98
3	9/7/2022	Lead HS1	Clean Earth	018005763	113/AU314B	Munoz	21.23
4	9/7/2022	Lead HS1	Clean Earth	018005760	109/AT390V	Munoz	26.06
5	9/7/2022	Lead HS1	Clean Earth	018005762	75/AT381Y	Munoz	23.36
6	9/7/2022	Lead HS1	Clean Earth	018005765	114/AU471C	Munoz	21.22
7	9/7/2022	Lead HS1	Clean Earth	018005764	109/AT390V	Munoz	24.01
8	9/7/2022	Lead HS1	Clean Earth	018005766	113/AU314B	Munoz	22.02
9	9/7/2022	Lead HS1	Clean Earth	018005767	75/AT381Y	Munoz	21.37
10	11/17/2022	Lead HS2 (SC-4)	Clean Earth	016691159	75/AT381Y	Munoz	27.76
11	11/17/2022	Lead HS2 (SC-4)	Clean Earth	016691158	109/AT390V	Munoz	27.30
12	11/17/2022	Lead HS2 (SC-4)	Clean Earth	016691160	113/AU314B	Munoz	26.22
13	11/17/2022	Lead HS2 (SC-4)	Clean Earth	016691178	102/AT872R	Munoz	25.10
14	11/17/2022	Lead HS2 (SC-4)	Clean Earth	016691162	114/AU471C	Munoz	27.27
15	11/17/2022	Lead HS2 (SC-4)	Clean Earth	016691153	114/AU471C	Munoz	27.02
16	11/17/2022	Lead HS2 (SC-4)	Clean Earth	016691156	113/AU314B	Munoz	23.84
17	11/17/2022	Lead HS2 (SC-4)	Clean Earth	016691157	109/AT390V	Munoz	25.72
18	11/17/2022	Lead HS2 (SC-4)	Clean Earth	016691155	75/AT381Y	Munoz	23.39
19	11/17/2022	Lead HS2 (SC-4)	Clean Earth	016691154	102/AT872R	Munoz	27.14
20	11/18/2022	Lead HS2 (SC-4)	Clean Earth	016691175	113/AU314B	Munoz	24.62
21	11/18/2022	Lead HS2 (SC-4)	Clean Earth	016691161	109/AT390V	Munoz	26.18
22	11/18/2022	Lead HS2 (SC-4)	Clean Earth	016691177	114/AU471C	Munoz	25.48
23	11/18/2022	Lead HS2 (SC-4)	Clean Earth	016691176	109/AT390V	Munoz	24.60
24	11/18/2022	Lead HS2 (SC-4)	Clean Earth	016691174	113/AU314B	Munoz	26.00
25	11/18/2022	Lead HS2 (SC-4)	Clean Earth	016691173	114/AU471C	Munoz	25.18
26	11/30/2022	Lead HS2 (SC-4)	Clean Earth	016691172	75/AT381Y	Munoz	24.58
27	11/30/2022	Lead HS2 (SC-4)	Clean Earth	016691171	109/AT390V	Munoz	28.25
28	11/30/2022	Lead HS2 (SC-4)	Clean Earth	016691169	75/AT381Y	Munoz	24.72
29	11/30/2022	Lead HS2 (SC-4)	Clean Earth	016691170	109/AT390V	Munoz	24.46
30	12/12/2022	Lead HS2 (SC-4)	Clean Earth	016691168	113/AU314B	Munoz	23.87
31	12/12/2022	Lead HS2 (SC-4)	Clean Earth	016691167	113/AU314B	Munoz	24.74
32	12/28/2022	Lead HS2 (SC-4)	Clean Earth	016691165	113/AU314B	Munoz	21.62
33	12/28/2022	Lead HS2 (SC-4)	Clean Earth	016691166	113/AU314B	Munoz	25.77
						TOTAL	**811.26**

Notes Utilized Throughout Tables	
Soil Tables	
J -	Estimated value
J+ -	Estimated value, high bias
J- -	Estimated value, low bias
U -	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
UJ -	Analyte was not detected. The associated reported quantitation limit is an estimate
R -	Sample results rejected by validator
B -	The analyte was found in an associated blank as well as in the sample
P -	Concentration difference between the primary and confirmation column >40%. The lower result is reported
T -	Indicates that a quality control parameter has exceeded laboratory limits
NA -	Compound was not analyzed for by laboratory
FD -	Duplicate sample
mg/kg -	Milligrams per kilogram
NYSDEC -	New York State Department of Environmental Conservation
SCO -	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	
Red data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO	
TCLP Tables	
mg/L -	Milligrams per liter
USEPA -	United States Environmental Protection Agency
TCLP -	Toxicity Characteristic Leaching Procedure
USEPA Regulatory Levels -	United States Environmental Protection
	Agency Limits for RCRA Characteristic Waste for Toxicity
RCRA -	Resource Conservation and Recovery Act
Bold -	Parameter was detected above USEPA Regulatory Levels
Groundwater Tables	
J -	Estimated Value
U -	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
T -	Indicates that a quality control parameter has exceeded laboratory limits
µg/L -	Micrograms per liter
NYSDEC -	New York State Department of Environmental Conservation
AWQSGVs -	Ambient Water-Quality Standards and Guidance Values
--	No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs	

Notes Utilized Throughout Tables	
Soil Vapor/Ambient Air	
J -	Estimated value
J- -	Estimated value, low bias
J+ -	Estimated value, high bias
U -	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
D -	Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte
FD -	Duplicate sample
ug/m^3 -	Micrograms per cubic meter
Bold data indicates that parameter was detected	

Table 4. Summary of Volatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:	EP-1	EP-2	EP-3	EP-4	EP-5	EP-6	EP-7	EP-8	EP-9	EP-10	EP-10	EP-11	EP-12
			Sample Date:	04/25/2023	04/27/2023	04/25/2023	04/27/2023	04/27/2023	06/05/2023	06/05/2023	06/23/2023	12/07/2023	04/25/2023	04/25/2023	04/25/2023	04/25/2023
			Sample Depth (ft bls):	0.0 - 0.5	3.0 - 3.5	2.5 - 3.0	4.5 - 5.0	4.5 - 5.0	7.5 - 8.0	7.0 - 7.5	6.5 - 7.0	1.5 - 2.0	30 - 3.5	30 - 3.5	0.5 - 1.0	3.5 - 4.0
			Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units													
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0014 U	0.0014 UJ	0.0011 U	0.0013 UJ	0.0012 UJ	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 UJ	0.0013 U	0.0013 U	0.0012 UJ	0.0012 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 UJ	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 UJ	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 UJ	0.0012 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 UJ	0.0012 U
2-Hexanone	--	--	--	MG/KG	0.0068 U	0.0072 U	0.0053 U	0.0067 U	0.0058 U	0.007 U	0.0056 U	0.0053 U	0.0052 U	0.0063 U	0.0063 U	0.006 U	0.0059 U
Acetone	**0.05**	100	0.05	MG/KG	0.0081 U	0.0086 U	0.015	0.008 U	0.007 U	0.0084 U	0.0067 U	0.0064 U	0.016	0.0076 U	0.0076 U	0.0072 U	0.007 U
Benzene	0.06	4.8	0.06	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Bromochloromethane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Bromodichloromethane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Bromoform	--	--	--	MG/KG	0.0014 UJ	0.0014 U	0.0011 UJ	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 UJ	0.0013 UJ	0.0012 UJ	0.0012 UJ
Bromomethane	--	--	--	MG/KG	0.0027 U	0.0029 U	0.0021 U	0.0027 U	0.0023 U	0.0028 U	0.0022 U	0.0021 U	0.0021 U	0.0025 U	0.0025 U	0.0024 U	0.0023 U
Carbon Disulfide	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 UJ	0.0012 U
Chloroethane	--	--	--	MG/KG	0.0014 U	0.0014 UT	0.0011 U	0.0013 UT	0.0012 UT	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Chloroform	0.37	49	0.37	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Chloromethane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Cyclohexane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Dibromochloromethane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 UJ	0.0012 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Ethylbenzene	1	41	1	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 UJ	0.0012 U
m,p-Xylene	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.00019 J	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Methyl Acetate	--	--	--	MG/KG	0.0068 U	0.0072 U	0.0053 U	0.0067 U	0.0058 U	0.007 U	0.0056 U	0.0053 U	0.0052 U	0.0063 U	0.0063 U	0.006 U	0.0059 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.0068 U	0.0072 U	0.0053 U	0.0067 U	0.0058 U	0.007 U	0.0056 U	0.0053 U	0.0052 U	0.0063 U	0.0063 U	0.006 U	0.0059 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.0068 U	0.0072 U	0.0053 U	0.0067 U	0.0058 U	0.007 U	0.0056 U	0.0053 U	0.0052 U	0.0063 U	0.0063 U	0.006 U	0.0059 U
Methylcyclohexane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 UJ	0.0012 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0027 U	0.0029 U	0.0021 U	0.0027 U	0.0023 U	0.0028 U	0.0022 U	0.0021 U	0.0021 U	0.0025 U	0.0025 U	0.0024 U	0.0023 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Styrene	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 UJ	0.0012 U
Toluene	0.7	100	0.7	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U

Table 4. Summary of Volatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:		EP-1	EP-2	EP-3	EP-4	EP-5	EP-6	EP-7	EP-8	EP-9	EP-10	EP-10	EP-11	EP-12
			Sample Date:		04/25/2023	04/27/2023	04/25/2023	04/27/2023	04/27/2023	06/05/2023	06/05/2023	06/23/2023	12/07/2023	04/25/2023	04/25/2023	04/25/2023	04/25/2023
			Sample Depth (ft bls):		0.0 - 0.5	3.0 - 3.5	2.5 - 3.0	4.5 - 5.0	4.5 - 5.0	7.5 - 8.0	7.0 - 7.5	6.5 - 7.0	1.5 - 2.0	30 - 3.5	30 - 3.5	0.5 - 1.0	3.5 - 4.0
			Normal Sample or Field Duplicate:		N	N	N	N	N	N	N	N	N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units													
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 UJ	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U
Trichlorofluoromethane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0011 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.001 J	0.0013 U	0.0012 U	0.0012 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0014 U	0.0014 UJ	0.0011 U	0.0013 UJ	0.0012 UJ	0.0014 U	0.0011 U	0.0011 U	0.001 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U

Table 4. Summary of Volatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	EP-13	EP-14	EP-15	EP-16	EP-17	EP-18	EP-19	EP-20	EP-21	EP-22	EP-23	EP-24	EP-24
Sample Designation:					EP-13	EP-14	EP-15	EP-16	EP-17	EP-18	EP-19	EP-20	EP-21	EP-22	EP-23	EP-24	EP-24
Sample Date:					04/25/2023	01/03/2024	11/10/2023	06/23/2023	06/23/2023	06/23/2023	07/17/2023	08/10/2023	08/10/2023	07/20/2023	07/20/2023	01/03/2024	01/03/2024
Sample Depth (ft bls):					3.0 - 3.5	7.5 - 8.0	7.5 - 8.0	7.0 - 7.5	7.0 - 7.5	6.0 - 6.5	10.0 - 10.5	10 - 10.5	3 - 3.5	9.5 - 10.0	9.5 - 10.0	7.5 - 8.0	7.5 - 8.0
Normal Sample or Field Duplicate:					N	N	N	N	N	N	N	N	N	N	N	N	FD
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0011 U	0.0011 UJ	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0018	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0011 U	0.0011 UJ	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0011 U	0.0011 UJ	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0011 U	0.0011 UJ	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0011 U	0.0011 UJ	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
2-Hexanone	--	--	--	MG/KG	0.0057 U	0.0054 U	0.0053 U	0.0062 U	0.0056 U	0.0054 U	0.006 U	0.0056 U	0.0068 UJ	0.0062 U	0.0072 U	0.0055 U	0.005 U
Acetone	**0.05**	100	0.05	MG/KG	0.0068 U	0.028 J+	0.012	0.0074 U	0.0068 U	0.0065 U	0.012	0.0067 U	0.0082 UJ	0.03	0.0086 U	0.014 J+	0.007 J+
Benzene	0.06	4.8	0.06	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
Bromochloromethane	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
Bromodichloromethane	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
Bromoform	--	--	--	MG/KG	0.0011 UJ	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
Bromomethane	--	--	--	MG/KG	0.0023 U	0.0021 U	0.0021 U	0.0025 U	0.0023 U	0.0022 U	0.0024 U	0.0022 U	0.0027 U	0.0025 U	0.0029 U	0.0022 U	0.002 U
Carbon Disulfide	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.002	0.00057 J	0.0011 U	0.001 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
Chloroethane	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
Chloroform	0.37	49	0.37	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
Chloromethane	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
Cyclohexane	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
Dibromochloromethane	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
Ethylbenzene	1	41	1	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
m,p-Xylene	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
Methyl Acetate	--	--	--	MG/KG	0.0057 U	0.0054 U	0.0053 U	0.0062 U	0.0056 U	0.0054 U	0.006 U	0.0056 U	0.0068 UJ	0.0062 U	0.0072 U	0.0055 U	0.005 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.0057 U	0.0054 UJ	0.0053 U	0.0062 U	0.0056 U	0.0054 U	0.0046 J	0.0056 U	0.0068 UJ	0.0062 U	0.0072 U	0.0055 U	0.005 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.0057 U	0.0054 U	0.0053 U	0.0062 U	0.0056 U	0.0054 U	0.006 U	0.0056 U	0.0068 UJ	0.0062 U	0.0072 U	0.0055 U	0.005 U
Methylcyclohexane	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0023 U	0.0021 U	0.0021 U	0.0025 U	0.0023 U	0.0022 U	0.0024 U	0.0022 U	0.0027 U	0.0025 U	0.0029 U	0.0022 U	0.002 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
Styrene	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
Toluene	0.7	100	0.7	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U

Table 4. Summary of Volatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:		EP-13	EP-14	EP-15	EP-16	EP-17	EP-18	EP-19	EP-20	EP-21	EP-22	EP-23	EP-24	EP-24
			Sample Date:		04/25/2023	01/03/2024	11/10/2023	06/23/2023	06/23/2023	06/23/2023	07/17/2023	08/10/2023	08/10/2023	07/20/2023	07/20/2023	01/03/2024	01/03/2024
			Sample Depth (ft bls):		3.0 - 3.5	7.5 - 8.0	7.5 - 8.0	7.0 - 7.5	7.0 - 7.5	6.0 - 6.5	10.0 - 10.5	10 - 10.5	3 - 3.5	9.5 - 10.0	9.5 - 10.0	7.5 - 8.0	7.5 - 8.0
			Normal Sample or Field Duplicate:		N	N	N	N	N	N	N	N	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units													
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 UJ	0.0012 U	0.0014 U	0.0011 U	0.001 U
Trichlorofluoromethane	--	--	--	MG/KG	0.0011 U	0.0013	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0011 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.0012 U	0.0014 U	0.0011 U	0.001 U

Table 4. Summary of Volatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:	EP-25	EP-26	EP-27	EP-28	EP-29	EP-30	EP-31	EP-32	EP-33	EP-34	EP-35	EP-36	EP-37
			Sample Date:	03/19/2024	01/03/2024	11/10/2023	01/29/2024	12/07/2023	11/10/2023	08/22/2023	08/10/2023	06/05/2023	09/15/2023	09/15/2023	11/10/2023	01/29/2024
			Sample Depth (ft bls):	3.5 - 4.0	4.5 - 5.0	7.5 - 8.0	6.0 - 6.5	5.5 - 6.0	6.5 - 7.0	9.0 - 9.5	9 - 9.5	4.0 - 4.5	6.5 - 7.0	4.5 - 5.0	7.5 - 8.0	6.5 - 7.0
			Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units													
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.00057 J	0.0011 U	0.00082 J	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 UJ	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
2-Hexanone	--	--	--	MG/KG	0.0054 U	0.0051 U	0.005 U	0.0055 U	0.0058 U	0.0059 U	0.0054 U	0.0052 U	0.0065 U	0.0051 U	0.0054 U	0.0051 U	0.0057 U
Acetone	**0.05**	100	0.05	MG/KG	0.0065 U	0.0061 U	0.012	0.0066 U	**0.09**	0.034	0.009	0.047 J+	0.0078 U	0.018	0.016	0.0061 U	0.0082
Benzene	0.06	4.8	0.06	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Bromochloromethane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Bromodichloromethane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Bromoform	--	--	--	MG/KG	0.0011 UJ	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Bromomethane	--	--	--	MG/KG	0.0022 U	0.002 U	0.002 U	0.0022 UT	0.0023 U	0.0024 U	0.0022 U	0.0021 U	0.0026 U	0.0021 U	0.0021 U	0.002 U	0.0023 UT
Carbon Disulfide	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.0011	0.0013 U	0.00077 J-	0.0013 J-	0.001 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Chloroethane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Chloroform	0.37	49	0.37	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Chloromethane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Cyclohexane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Dibromochloromethane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Ethylbenzene	1	41	1	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
m,p-Xylene	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Methyl Acetate	--	--	--	MG/KG	0.0054 U	0.0051 U	0.005 U	0.0055 U	0.0058 U	0.0059 U	0.0054 U	0.0052 U	0.0065 U	0.0051 U	0.0054 U	0.0043 J	0.0057 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.0054 U	0.0051 U	0.005 U	0.0055 U	0.0058 U	0.0059 U	0.0054 U	0.0096	0.0065 U	0.0051 U	0.0054 U	0.0051 U	0.0057 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.0054 U	0.0051 U	0.005 U	0.0055 U	0.0058 U	0.0059 U	0.0054 U	0.0052 U	0.0065 U	0.0051 U	0.0054 U	0.0051 U	0.0057 U
Methylcyclohexane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0022 U	0.002 U	0.002 U	0.0022 U	0.0023 U	0.0024 U	0.0022 U	0.0021 U	0.0026 U	0.0021 U	0.0021 U	0.002 U	0.0023 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Styrene	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.00076 J	0.001 UJ	0.0011 U
Toluene	0.7	100	0.7	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.00026 J	0.001 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U

Table 4. Summary of Volatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:		EP-25	EP-26	EP-27	EP-28	EP-29	EP-30	EP-31	EP-32	EP-33	EP-34	EP-35	EP-36	EP-37
			Sample Date:		03/19/2024	01/03/2024	11/10/2023	01/29/2024	12/07/2023	11/10/2023	08/22/2023	08/10/2023	06/05/2023	09/15/2023	09/15/2023	11/10/2023	01/29/2024
			Sample Depth (ft bls):		3.5 - 4.0	4.5 - 5.0	7.5 - 8.0	6.0 - 6.5	5.5 - 6.0	6.5 - 7.0	9.0 - 9.5	9 - 9.5	4.0 - 4.5	6.5 - 7.0	4.5 - 5.0	7.5 - 8.0	6.5 - 7.0
			Normal Sample or Field Duplicate:		N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units													
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Trichlorofluoromethane	--	--	--	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 U	0.0011 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0013 U	0.001 U	0.0011 U	0.001 UJ	0.0011 U

Table 4. Summary of Volatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:	EP-38	EP-39	EP-39	EP-40	EP-41	EP-42	EP-43	EP-44	EP-45	EP-46	EP-47	EP-48	EP-49
			Sample Date:	05/09/2024	05/09/2024	05/09/2024	05/09/2024	05/09/2024	05/09/2024	01/29/2024	01/29/2024	12/07/2023	11/10/2023	11/10/2023	09/21/2023	09/15/2023
			Sample Depth (ft bls):	5.0 - 5.5	4.5 - 5.0	4.5 - 5.0	3.5 - 4.0	2.0 - 2.5	3.5 - 4.0	8.5 - 9.0	4.5 - 5.0	2.5 - 3.0	5.5 - 6.0	5.5 - 6.0	4.5 - 5.0	6.0 - 6.5
			Normal Sample or Field Duplicate:	N	N	FD	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units													
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 UJ	0.0011 U	0.0012 U	0.0011 UJ	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.00078 J	0.0011 U	0.0011 U	0.0011 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 UJ	0.001 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichloropropane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
2-Hexanone	--	--	--	MG/KG	0.0049 U	0.0052 U	0.0049 U	0.0057 U	0.0062 U	0.0055 U	0.007 U	0.0048 U	0.0054 U	0.0051 U	0.0054 U	0.0057 U	0.0053 U
Acetone	**0.05**	100	0.05	MG/KG	0.0059 U	0.0062 U	0.0059 U	0.0068 U	0.022	0.0066 U	0.032	0.0058 U	0.037	0.019	0.013	0.008	0.0064 U
Benzene	0.06	4.8	0.06	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Bromochloromethane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Bromodichloromethane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Bromoform	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Bromomethane	--	--	--	MG/KG	0.002 U	0.0021 U	0.002 U	0.0023 U	0.0025 U	0.0022 U	0.0028 UT	0.0019 UT	0.0022 U	0.002 U	0.0021 U	0.0023 U	0.0021 U
Carbon Disulfide	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.00071 J	0.00039 J	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.00085 J	0.0011 UJ
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Chloroethane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Chloroform	0.37	49	0.37	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Chloromethane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Cyclohexane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Dibromochloromethane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Ethylbenzene	1	41	1	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
m,p-Xylene	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.00022 J	0.0011 U	0.00028 J	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Methyl Acetate	--	--	--	MG/KG	0.0049 U	0.0052 U	0.0049 U	0.0057 U	0.0062 U	0.0055 U	0.007 U	0.0048 U	0.0054 U	0.0051 U	0.0054 U	0.0057 U	0.0053 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.0049 U	0.0052 U	0.0049 U	0.0057 U	0.0062 U	0.0055 U	0.007 U	0.0048 U	0.0054 U	0.0051 U	0.0054 U	0.0057 U	0.0053 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.0049 U	0.0052 U	0.0049 U	0.0057 U	0.0062 U	0.0055 U	0.007 U	0.0048 U	0.0054 U	0.0051 U	0.0054 U	0.0057 U	0.0053 U
Methylcyclohexane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.002 U	0.0021 U	0.002 U	0.0023 U	0.0025 U	0.0022 U	0.0028 U	0.0019 U	0.0022 U	0.002 U	0.0021 U	0.0023 U	0.0021 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Styrene	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 UJ	0.0011 UJ	0.0011 U	0.0011 U
Toluene	0.7	100	0.7	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U

Table 4. Summary of Volatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:		EP-38	EP-39	EP-39	EP-40	EP-41	EP-42	EP-43	EP-44	EP-45	EP-46	EP-47	EP-48	EP-49
			Sample Date:		05/09/2024	05/09/2024	05/09/2024	05/09/2024	05/09/2024	05/09/2024	01/29/2024	01/29/2024	12/07/2023	11/10/2023	11/10/2023	09/21/2023	09/15/2023
			Sample Depth (ft bls):		5.0 - 5.5	4.5 - 5.0	4.5 - 5.0	3.5 - 4.0	2.0 - 2.5	3.5 - 4.0	8.5 - 9.0	4.5 - 5.0	2.5 - 3.0	5.5 - 6.0	5.5 - 6.0	4.5 - 5.0	6.0 - 6.5
			Normal Sample or Field Duplicate:		N	N	FD	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units													
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Trichlorofluoromethane	--	--	--	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0011 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.00099 U	0.001 U	0.00098 U	0.0011 U	0.0012 U	0.0011 U	0.0014 U	0.00097 U	0.0011 U	0.001 UJ	0.0011 UJ	0.0011 U	0.0011 U

Table 4. Summary of Volatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:	WF-A	WF-B	WF-B	WF-C	WF-D	WF-E	WF-F	WF-X
			Sample Date:	10/15/2024	10/15/2024	10/15/2024	10/15/2024	10/15/2024	10/18/2024	10/18/2024	10/15/2024
			Sample Depth (ft bls):	1.5 - 2	1.5 - 2	1.5 - 2	1 - 1.5	1 - 1.5	3 - 3.5	4 - 4.5	0.5 - 1
			Normal Sample or Field Duplicate:	N	N	FD	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units							
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
2-Hexanone	--	--	--	MG/KG	0.006 U	0.0062 U	0.0057 U	0.0071 U	0.0077 U	0.0051 U	0.0051 U	0.008 U
Acetone	**0.05**	100	0.05	MG/KG	0.0072 U	0.0075 U	0.0069 U	0.0086 U	0.0093 U	0.0061 U	0.0062 U	0.0097 U
Benzene	0.06	4.8	0.06	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Bromochloromethane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Bromodichloromethane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Bromoform	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 UT	0.0014 UT	0.0015 UT	0.001 U	0.001 U	0.0016 UT
Bromomethane	--	--	--	MG/KG	0.0024 U	0.0025 U	0.0023 U	0.0029 U	0.0031 U	0.002 U	0.0021 U	0.0032 U
Carbon Disulfide	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Chloroethane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Chloroform	0.37	49	0.37	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Chloromethane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Cyclohexane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Dibromochloromethane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Ethylbenzene	1	41	1	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
m,p-Xylene	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Methyl Acetate	--	--	--	MG/KG	0.006 U	0.0062 U	0.0057 UT	0.0071 UT	0.0077 UT	0.0051 U	0.0051 U	0.008 UT
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.006 U	0.0062 U	0.0057 U	0.0071 U	0.0077 U	0.0051 U	0.0051 U	0.008 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.006 U	0.0062 U	0.0057 U	0.0071 U	0.0077 U	0.0051 U	0.0051 U	0.008 U
Methylcyclohexane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0024 U	0.0025 U	0.0023 U	0.0029 U	0.0031 U	0.002 U	0.0021 U	0.0032 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Styrene	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Toluene	0.7	100	0.7	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U

Table 4. Summary of Volatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:		WF-A	WF-B	WF-B	WF-C	WF-D	WF-E	WF-F	WF-X
			Sample Date:		10/15/2024	10/15/2024	10/15/2024	10/15/2024	10/15/2024	10/18/2024	10/18/2024	10/15/2024
			Sample Depth (ft bls):		1.5 - 2	1.5 - 2	1.5 - 2	1 - 1.5	1 - 1.5	3 - 3.5	4 - 4.5	0.5 - 1
			Normal Sample or Field Duplicate:		N	N	FD	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units								
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Trichlorofluoromethane	--	--	--	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0012 U	0.0012 U	0.0011 U	0.0014 U	0.0015 U	0.001 U	0.001 U	0.0016 U

Table 5. Summary of Semivolatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-1	EP-2	EP-3	EP-4	EP-5	EP-6	EP-7	EP-8	EP-9	EP-10	EP-10	EP-11	EP-12
					Sample Date:	04/25/2023	04/27/2023	04/25/2023	04/27/2023	04/27/2023	06/05/2023	06/05/2023	06/23/2023	12/07/2023	04/25/2023	04/25/2023	04/25/2023	04/25/2023
					Sample Depth (ft bls):	0.0 - 0.5	3.0 - 3.5	2.5 - 3.0	4.5 - 5.0	4.5 - 5.0	7.5 - 8.0	7.0 - 7.5	6.5 - 7.0	1.5 - 2.0	30 - 3.5	30 - 3.5	0.5 - 1.0	3.5 - 4.0
					Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	FD	N	N
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG		0.038 U	0.039 U	0.039 U	0.038 U	0.04 U	0.04 U	0.04 U	0.035 U	0.037 U	0.038 U	0.039 U	0.038 U	0.039 U
2,3,4,6-Tetrachlorophenol	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
2,4,5-Trichlorophenol	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
2,4,6-Trichlorophenol	--	--	--	MG/KG		0.15 U	0.16 U	0.16 U	0.15 U	0.16 U	0.16 U	0.16 U	0.14 U	0.15 U	0.15 U	0.16 U	0.15 U	0.16 U
2,4-Dichlorophenol	--	--	--	MG/KG		0.15 U	0.16 U	0.16 U	0.15 U	0.16 U	0.16 U	0.16 U	0.14 U	0.15 U	0.15 U	0.16 U	0.15 U	0.16 U
2,4-Dimethylphenol	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
2,4-Dinitrophenol	--	--	--	MG/KG		0.3 U	0.31 U	0.31 U	0.31 U	0.32 U	0.32 U	0.32 U	0.28 U	0.3 U	0.3 U	0.31 U	0.3 U	0.31 U
2,4-Dinitrotoluene	--	--	--	MG/KG		0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.082 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U
2,6-Dinitrotoluene	--	--	--	MG/KG		0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.082 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U
2-Chloronaphthalene	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
2-Chlorophenol	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
2-Methylnaphthalene	--	--	--	MG/KG		0.016 J	0.025 J	0.39 U	0.083 J	0.074 J	0.4 U	0.4 U	0.35 U	0.027 J	0.14 J	0.21 J	0.012 J	0.39 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
2-Nitroaniline	--	--	--	MG/KG		0.38 U	0.39 UT	0.39 U	0.38 UT	0.4 UT	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
2-Nitrophenol	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG		0.15 U	0.16 U	0.16 U	0.15 U	0.16 U	0.16 U	0.16 U	0.14 U	0.15 UT	0.15 U	0.16 U	0.15 U	0.16 U
3-Nitroaniline	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG		0.3 U	0.31 U	0.31 U	0.31 U	0.32 U	0.32 U	0.32 U	0.28 U	0.3 U	0.3 U	0.31 U	0.3 U	0.31 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
4-Chloroaniline	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 UT	0.37 UT	0.38 U	0.39 U	0.38 U	0.39 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
4-Methylphenol (P-Cresol)	0.33	100	0.33	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.086 J	0.38 U	0.39 U
4-Nitroaniline	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
4-Nitrophenol	--	--	--	MG/KG		0.76 U	0.79 U	0.79 U	0.78 U	0.81 U	0.82 U	0.81 U	0.71 U	0.75 U	0.77 U	0.79 U	0.77 U	0.79 U
Acenaphthene	20	100	98	MG/KG		0.032 J	0.055 J	0.011 J	0.16 J	0.11 J	0.4 U	0.016 J	0.35 U	0.046 J	0.26 J	0.82	0.035 J	0.029 J
Acenaphthylene	100	100	107	MG/KG		0.013 J	0.053 J	0.011 J	0.07 J	0.22 J	0.4 U	0.034 J	0.35 U	0.083 J	0.053 J	0.04 J	0.019 J	0.39 U
Acetophenone	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
Anthracene	100	100	1000	MG/KG		0.066 J	0.15 J	0.025 J	0.25 J	0.3 J	0.022 J	0.037 J	0.35 U	0.13 J	0.62 J	1.9 J	0.056 J	0.12 J
Atrazine	--	--	--	MG/KG		0.15 U	0.16 U	0.16 U	0.15 U	0.16 U	0.16 U	0.16 U	0.14 U	0.15 UT	0.15 U	0.16 U	0.15 U	0.16 U
Benzaldehyde	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 UJ	0.4 U	0.4 UJ	0.4 UJ	0.35 UJ	0.37 UJ	0.38 U	0.39 U	0.38 U	0.39 U
Benzo(A)Anthracene	**1**	1	1	MG/KG		0.22	0.5	0.12	0.58	0.77	0.061	0.1	0.035 U	0.52	**1.1 J**	**3.5 J**	0.2	0.28
Benzo(A)Pyrene	**1**	1	22	MG/KG		0.24	0.54	0.12	0.59	0.68	0.055	0.097	0.035 U	0.39	**1.1 J**	**3.8 J**	0.2	0.26
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG		0.26	0.62	0.13	0.76	0.95	0.058	0.13	0.035 U	0.69	**1.3 J**	**4.2 J**	0.23	0.27
Benzo(G,H,I)Perylene	100	100	1000	MG/KG		0.1 J	0.29 J	0.053 J	0.25 J	0.33 J	0.025 J	0.062 J	0.35 U	0.36 J	0.47 J	1.6 J	0.11 J-	0.1 J
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG		0.1	0.22	0.051	0.26	0.36	0.022 J	0.043	0.035 U	0.23	0.49 J	**1.5 J**	0.088	0.1
Benzyl Butyl Phthalate	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
Biphenyl (Diphenyl)	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.028 J	0.017 J	0.4 U	0.4 U	0.35 U	0.37 U	0.039 J	0.076 J	0.38 U	0.39 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG		0.038 U	0.039 U	0.039 U	0.038 U	0.04 U	0.04 U	0.04 U	0.035 U	0.037 U	0.038 U	0.039 U	0.038 U	0.039 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.024 J	0.4 U	0.4 U	0.4 U	0.35 U	0.038 J	0.021 J	0.39 U	0.38 U	0.39 U
Caprolactam	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 UT	0.38 U	0.39 U	0.38 U	0.39 U
Carbazole	--	--	--	MG/KG		0.033 J	0.05 J	0.39 U	0.076 J	0.093 J	0.4 U	0.4 U	0.35 U	0.044 J	0.27 J	0.59	0.018 J	0.018 J
Chrysene	**1**	3.9	1	MG/KG		0.22 J	0.52	0.12 J	0.59	0.82	0.056 J	0.1 J	0.35 U	0.5	**1.1 J**	**3.2 J**	0.19 J	0.26 J
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG		0.03 J	0.069	0.039 U	0.083	0.092	0.04 U	0.04 U	0.035 U	0.11	0.13 J	**0.42 J**	0.026 J	0.027 J
Dibenzofuran	7	59	210	MG/KG		0.016 J	0.038 J	0.39 U	0.13 J	0.091 J	0.4 U	0.4 U	0.35 U	0.037 J	0.26 J	0.56	0.023 J	0.022 J

Table 5. Summary of Semivolatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-1	EP-2	EP-3	EP-4	EP-5	EP-6	EP-7	EP-8	EP-9	EP-10	EP-10	EP-11	EP-12
					Sample Date:	04/25/2023	04/27/2023	04/25/2023	04/27/2023	04/27/2023	06/05/2023	06/05/2023	06/23/2023	12/07/2023	04/25/2023	04/25/2023	04/25/2023	04/25/2023
					Sample Depth (ft bls):	0.0 - 0.5	3.0 - 3.5	2.5 - 3.0	4.5 - 5.0	4.5 - 5.0	7.5 - 8.0	7.0 - 7.5	6.5 - 7.0	1.5 - 2.0	30 - 3.5	30 - 3.5	0.5 - 1.0	3.5 - 4.0
					Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	FD	N	N
Diethyl Phthalate	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
Dimethyl Phthalate	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
Di-N-Butyl Phthalate	--	--	--	MG/KG		0.12 J	0.39 U	0.39 U	0.38 U	0.4 U	0.016 J	0.4 U	0.35 U	0.37 U	0.18 J	0.083 J	0.12 J	0.15 J
Di-N-Octylphthalate	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
Fluoranthene	100	100	1000	MG/KG		0.46	0.89	0.2 J	1.1	1.2	0.11 J	0.2 J	0.35 U	0.91	2.6 J	7.4 J	0.43	0.59
Fluorene	30	100	386	MG/KG		0.027 J	0.054 J	0.39 U	0.17 J	0.13 J	0.4 U	0.016 J	0.35 U	0.049 J	0.4	0.72	0.032 J	0.04 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG		0.038 U	0.039 U	0.039 U	0.038 U	0.04 U	0.04 U	0.04 U	0.035 U	0.037 U	0.038 U	0.039 U	0.038 U	0.039 U
Hexachlorobutadiene	--	--	--	MG/KG		0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.082 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U
Hexachlorocyclopentadiene	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 UJ	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
Hexachloroethane	--	--	--	MG/KG		0.038 U	0.039 U	0.039 U	0.038 U	0.04 U	0.04 U	0.04 U	0.035 U	0.037 U	0.038 U	0.039 U	0.038 U	0.039 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG		0.13	0.36	0.062	0.33	0.4	0.031 J	0.075	0.035 U	0.48	**0.59 J**	**2 J**	0.13	0.13
Isophorone	--	--	--	MG/KG		0.15 U	0.16 U	0.16 U	0.15 U	0.16 U	0.16 U	0.16 U	0.14 U	0.15 U	0.15 U	0.16 U	0.15 U	0.16 U
Naphthalene	12	100	12	MG/KG		0.031 J	0.061 J	0.011 J	0.17 J	0.12 J	0.4 U	0.028 J	0.35 U	0.054 J	0.37 J	0.37 J	0.02 J	0.017 J
Nitrobenzene	--	--	--	MG/KG		0.038 U	0.039 U	0.039 U	0.038 U	0.04 U	0.04 U	0.04 U	0.035 U	0.037 U	0.038 U	0.039 U	0.038 U	0.039 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG		0.038 U	0.039 U	0.039 U	0.038 U	0.04 U	0.04 U	0.04 U	0.035 U	0.037 U	0.038 U	0.039 U	0.038 U	0.039 U
N-Nitrosodiphenylamine	--	--	--	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG		0.3 U	0.31 U	0.31 U	0.31 U	0.32 U	0.32 U	0.32 U	0.28 U	0.3 U	0.3 U	0.31 U	0.3 U	0.31 U
Phenanthrene	100	100	1000	MG/KG		0.33 J	0.65	0.12 J	1.2	1	0.088 J	0.15 J	0.35 U	0.53	2.6 J	7.2 J	0.23 J	0.51
Phenol	0.33	100	0.33	MG/KG		0.38 U	0.39 U	0.39 U	0.38 U	0.4 U	0.4 U	0.4 U	0.35 U	0.37 U	0.38 U	0.39 U	0.38 U	0.39 U
Pyrene	100	100	1000	MG/KG		0.45	1	0.22 J	1.3	1.3	0.097 J	0.19 J	0.35 U	0.9 T	2.3 J	6.9 J	0.36 J	0.63

Table 5. Summary of Semivolatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-13	EP-14	EP-15	EP-16	EP-17	EP-18	EP-19	EP-20	EP-21	EP-22	EP-23	EP-24	EP-24
					Sample Date:	04/25/2023	01/03/2024	11/10/2023	06/23/2023	06/23/2023	06/23/2023	07/17/2023	08/10/2023	08/10/2023	07/20/2023	07/20/2023	01/03/2024	01/03/2024
					Sample Depth (ft bls):	3.0 - 3.5	7.5 - 8.0	7.5 - 8.0	7.0 - 7.5	7.0 - 7.5	6.0 - 6.5	10.0 - 10.5	10 - 10.5	3 - 3.5	9.5 - 10.0	9.5 - 10.0	7.5 - 8.0	7.5 - 8.0
					Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	FD
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG		0.038 U	0.041 U	0.039 U	0.038 U	0.037 U	0.035 U	0.04 UT	0.036 U	0.036 U	0.04 U	0.039 U	0.039 U	0.04 U
2,3,4,6-Tetrachlorophenol	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
2,4,5-Trichlorophenol	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
2,4,6-Trichlorophenol	--	--	--	MG/KG		0.15 U	0.16 U	0.16 U	0.15 U	0.15 U	0.14 U	0.16 U	0.14 U	0.15 U	0.16 U	0.16 U	0.16 U	0.16 U
2,4-Dichlorophenol	--	--	--	MG/KG		0.15 U	0.16 U	0.16 U	0.15 U	0.15 U	0.14 U	0.16 U	0.14 U	0.15 U	0.16 U	0.16 U	0.16 U	0.16 U
2,4-Dimethylphenol	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
2,4-Dinitrophenol	--	--	--	MG/KG		0.31 U	0.33 U	0.32 R	0.31 U	0.3 U	0.28 U	0.33 U	0.29 U	0.29 U	0.32 U	0.31 U	0.32 U	0.32 U
2,4-Dinitrotoluene	--	--	--	MG/KG		0.078 U	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.073 U	0.081 U	0.079 U	0.08 U	0.081 U
2,6-Dinitrotoluene	--	--	--	MG/KG		0.078 U	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.073 U	0.081 U	0.079 U	0.08 U	0.081 U
2-Chloronaphthalene	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
2-Chlorophenol	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
2-Methylnaphthalene	--	--	--	MG/KG		0.017 J	0.41 U	0.057 J	0.38 U	0.37 U	0.024 J	0.027 J	0.024 J	0.028 J	0.053 J	0.014 J	0.39 U	0.4 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
2-Nitroaniline	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
2-Nitrophenol	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG		0.15 U	0.16 U	0.16 U	0.15 U	0.15 U	0.14 U	0.16 U	0.14 U	0.15 U	0.16 U	0.16 U	0.16 U	0.16 U
3-Nitroaniline	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG		0.31 U	0.33 U	0.32 R	0.31 U	0.3 U	0.28 U	0.33 U	0.29 U	0.29 U	0.32 U	0.31 U	0.32 U	0.32 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
4-Chloroaniline	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 UT	0.37 UT	0.35 UT	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
4-Methylphenol (P-Cresol)	0.33	100	0.33	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.099 J	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
4-Nitroaniline	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
4-Nitrophenol	--	--	--	MG/KG		0.78 U	0.83 U	0.8 U	0.78 U	0.75 U	0.71 U	0.82 U	0.72 U	0.73 U	0.81 U	0.79 U	0.8 U	0.81 U
Acenaphthene	20	100	98	MG/KG		0.026 J	0.41 U	0.12 J	0.38 U	0.37 U	0.051 J	0.063 J	0.044 J	0.073 J	0.16 J	0.033 J	0.39 U	0.4 U
Acenaphthylene	100	100	107	MG/KG		0.38 U	0.41 U	0.036 J	0.38 U	0.37 U	0.018 J	0.02 J	0.036 J	0.043 J	0.035 J	0.02 J	0.39 U	0.4 U
Acetophenone	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
Anthracene	100	100	1000	MG/KG		0.049 J	0.41 U	0.31 J	0.38 U	0.37 U	0.13 J	0.12 J	0.11 J	0.18 J	0.3 J	0.088 J	0.39 U	0.4 U
Atrazine	--	--	--	MG/KG		0.15 U	0.16 U	0.16 UT	0.15 U	0.15 U	0.14 U	0.16 U	0.14 U	0.15 U	0.16 U	0.16 U	0.16 U	0.16 U
Benzaldehyde	--	--	--	MG/KG		0.38 U	0.41 UJ	0.39 U	0.38 UJ	0.37 UJ	0.35 UJ	0.4 U	0.36 UJ	0.36 UJ	0.4 U	0.39 U	0.39 UJ	0.4 UJ
Benzo(A)Anthracene	**1**	1	1	MG/KG		0.081	0.041 U	0.4	0.038 U	0.037 U	0.33	0.26	0.35	0.45	0.62	0.21	0.039 U	0.04 U
Benzo(A)Pyrene	**1**	1	22	MG/KG		0.074	0.024 J	0.37	0.038 U	0.037 U	0.34	0.23	0.42	0.46	0.62	0.21	0.039 U	0.04 U
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG		0.086	0.025 J	0.38	0.038 U	0.037 U	0.38	0.28	0.45	0.53	0.69	0.25	0.039 U	0.04 U
Benzo(G,H,I)Perylene	100	100	1000	MG/KG		0.03 J	0.014 J	0.21 J	0.38 U	0.37 U	0.17 J	0.12 J	0.26 J	0.27 J	0.32 J	0.13 J	0.39 U	0.4 U
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG		0.027 J	0.01 J	0.18	0.038 U	0.037 U	0.13	0.12	0.18	0.2	0.31	0.099	0.039 U	0.04 U
Benzyl Butyl Phthalate	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
Biphenyl (Diphenyl)	--	--	--	MG/KG		0.38 U	0.41 U	0.018 J	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG		0.038 U	0.041 U	0.039 U	0.038 U	0.037 U	0.035 U	0.04 U	0.036 U	0.036 U	0.04 U	0.039 U	0.039 U	0.04 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
Caprolactam	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
Carbazole	--	--	--	MG/KG		0.017 J	0.41 U	0.074 J	0.38 U	0.37 U	0.042 J	0.039 J	0.037 J	0.069 J	0.14 J	0.023 J	0.39 U	0.4 U
Chrysene	**1**	3.9	1	MG/KG		0.074 J	0.021 J	0.39	0.38 U	0.37 U	0.33 J	0.24 J	0.37	0.44	0.67	0.23 J	0.39 U	0.4 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG		0.038 U	0.041 U	0.058	0.038 U	0.037 U	0.043	0.027 J	0.074	0.068	0.081	0.033 J	0.039 U	0.04 U
Dibenzofuran	7	59	210	MG/KG		0.018 J	0.41 U	0.081 J	0.38 U	0.37 U	0.043 J	0.04 J	0.031 J	0.049 J	0.1 J	0.027 J	0.39 U	0.4 U

Table 5. Summary of Semivolatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-13	EP-14	EP-15	EP-16	EP-17	EP-18	EP-19	EP-20	EP-21	EP-22	EP-23	EP-24	EP-24
					Sample Date:	04/25/2023	01/03/2024	11/10/2023	06/23/2023	06/23/2023	06/23/2023	07/17/2023	08/10/2023	08/10/2023	07/20/2023	07/20/2023	01/03/2024	01/03/2024
					Sample Depth (ft bls):	3.0 - 3.5	7.5 - 8.0	7.5 - 8.0	7.0 - 7.5	7.0 - 7.5	6.0 - 6.5	10.0 - 10.5	10 - 10.5	3 - 3.5	9.5 - 10.0	9.5 - 10.0	7.5 - 8.0	7.5 - 8.0
					Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	FD
Diethyl Phthalate	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
Dimethyl Phthalate	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
Di-N-Butyl Phthalate	--	--	--	MG/KG		0.075 J	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.037 J	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
Di-N-Octylphthalate	--	--	--	MG/KG		0.38 U	0.41 U	0.065 J	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
Fluoranthene	100	100	1000	MG/KG		0.18 J	0.051 J	1	0.38 U	0.37 U	0.65	0.52	0.66	1	1.4	0.43	0.016 J	0.4 U
Fluorene	30	100	386	MG/KG		0.033 J	0.41 U	0.15 J	0.38 U	0.37 U	0.066 J	0.067 J	0.047 J	0.074 J	0.17 J	0.034 J	0.39 U	0.4 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG		0.038 U	0.041 U	0.039 U	0.038 U	0.037 U	0.035 U	0.04 U	0.036 U	0.036 U	0.04 U	0.039 U	0.039 U	0.04 U
Hexachlorobutadiene	--	--	--	MG/KG		0.078 U	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.073 U	0.081 U	0.079 U	0.08 U	0.081 U
Hexachlorocyclopentadiene	--	--	--	MG/KG		0.38 U	0.41 U	0.39 UJ	0.38 UJ	0.37 UJ	0.35 UJ	0.4 UT	0.36 U	0.36 UJ	0.4 UJ	0.39 UJ	0.39 U	0.4 U
Hexachloroethane	--	--	--	MG/KG		0.038 U	0.041 U	0.039 U	0.038 U	0.037 U	0.035 U	0.04 U	0.036 U	0.036 U	0.04 U	0.039 U	0.039 U	0.04 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG		0.033 J	0.041 U	0.27	0.038 U	0.037 U	0.2	0.17	0.31	0.31	0.35	0.13	0.039 U	0.04 U
Isophorone	--	--	--	MG/KG		0.15 U	0.16 U	0.16 U	0.15 U	0.15 U	0.14 U	0.16 U	0.14 U	0.15 U	0.16 U	0.16 U	0.16 U	0.16 U
Naphthalene	12	100	12	MG/KG		0.046 J	0.41 U	0.11 J	0.38 U	0.37 U	0.074 J	0.055 J	0.042 J	0.045 J	0.088 J	0.04 J	0.39 U	0.4 U
Nitrobenzene	--	--	--	MG/KG		0.038 U	0.041 U	0.039 U	0.038 U	0.037 U	0.035 U	0.04 U	0.036 U	0.036 U	0.04 U	0.039 U	0.039 U	0.04 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG		0.038 U	0.041 U	0.039 U	0.038 U	0.037 U	0.035 U	0.04 U	0.036 U	0.036 U	0.04 U	0.039 U	0.039 U	0.04 U
N-Nitrosodiphenylamine	--	--	--	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG		0.31 U	0.33 U	0.32 U	0.31 U	0.3 U	0.28 U	0.33 U	0.29 U	0.29 U	0.32 U	0.31 U	0.32 U	0.32 U
Phenanthrene	100	100	1000	MG/KG		0.2 J	0.038 J	1.2 J	0.38 U	0.37 U	0.55	0.42	0.45	0.82	1.7	0.39	0.39 U	0.4 U
Phenol	0.33	100	0.33	MG/KG		0.38 U	0.41 U	0.39 U	0.38 U	0.37 U	0.35 U	0.4 U	0.36 U	0.36 U	0.4 U	0.39 U	0.39 U	0.4 U
Pyrene	100	100	1000	MG/KG		0.17 J	0.046 J	0.96	0.38 U	0.37 U	0.68	0.45	0.6	0.89	1.4	0.48	0.017 J	0.4 U

Table 5. Summary of Semivolatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-25	EP-26	EP-27	EP-28	EP-29	EP-30	EP-31	EP-32	EP-33	EP-34	EP-35	EP-36	EP-37
					Sample Date:	03/19/2024	01/03/2024	11/10/2023	01/29/2024	12/07/2023	11/10/2023	08/22/2023	08/10/2023	06/05/2023	09/15/2023	09/15/2023	11/10/2023	01/29/2024
					Sample Depth (ft bls):	3.5 - 4.0	4.5 - 5.0	7.5 - 8.0	6.0 - 6.5	5.5 - 6.0	6.5 - 7.0	9.0 - 9.5	9 - 9.5	4.0 - 4.5	6.5 - 7.0	4.5 - 5.0	7.5 - 8.0	6.5 - 7.0
					Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG		0.039 U	0.039 U	0.038 U	0.041 U	0.037 U	0.04 U	0.04 U	0.04 U	0.04 U	0.039 U	0.039 U	0.038 U	0.043 U
2,3,4,6-Tetrachlorophenol	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
2,4,5-Trichlorophenol	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
2,4,6-Trichlorophenol	--	--	--	MG/KG		0.16 U	0.16 U	0.16 U	0.16 U	0.15 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.15 U	0.17 U
2,4-Dichlorophenol	--	--	--	MG/KG		0.16 U	0.16 U	0.16 U	0.16 U	0.15 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.15 U	0.17 U
2,4-Dimethylphenol	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.11 J	0.4 U	0.4 U	0.39 UJ	0.39 UJ	0.38 U	0.43 U
2,4-Dinitrophenol	--	--	--	MG/KG		0.32 U	0.32 U	0.31 U	0.33 U	0.3 U	0.32 U	0.33 U	0.32 U	0.32 U	0.31 U	0.31 U	0.3 U	0.35 U
2,4-Dinitrotoluene	--	--	--	MG/KG		0.079 U	0.08 U	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.079 U	0.079 U	0.076 U	0.087 U
2,6-Dinitrotoluene	--	--	--	MG/KG		0.079 U	0.08 U	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.079 U	0.079 U	0.076 U	0.087 U
2-Chloronaphthalene	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
2-Chlorophenol	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
2-Methylnaphthalene	--	--	--	MG/KG		0.39 U	0.39 U	0.012 J	0.019 J	0.37 U	0.4 U	0.33 J	0.077 J	0.021 J	0.04 J	0.18 J	0.38 U	0.43 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.05 J	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
2-Nitroaniline	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
2-Nitrophenol	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG		0.16 U	0.16 U	0.16 U	0.16 U	0.15 UT	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.15 U	0.17 U
3-Nitroaniline	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG		0.32 U	0.32 U	0.31 U	0.33 U	0.3 U	0.32 U	0.33 U	0.32 U	0.32 U	0.31 U	0.31 U	0.3 U	0.35 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
4-Chloroaniline	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 UT	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
4-Methylphenol (P-Cresol)	0.33	100	0.33	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.15 J	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
4-Nitroaniline	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
4-Nitrophenol	--	--	--	MG/KG		0.79 U	0.8 U	0.78 U	0.83 U	0.75 U	0.81 U	0.82 U	0.82 U	0.81 U	0.79 U	0.79 U	0.76 U	0.87 U
Acenaphthene	20	100	98	MG/KG		0.39 U	0.39 U	0.031 J	0.06 J	0.37 U	0.4 U	0.47	0.046 J	0.075 J	0.075 J	0.48	0.38 U	0.43 U
Acenaphthylene	100	100	107	MG/KG		0.39 U	0.39 U	0.021 J	0.017 J	0.37 U	0.4 U	0.34 J	0.17 J	0.085 J	0.14 J	0.35 J	0.38 U	0.43 U
Acetophenone	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.031 J	0.063 J	0.38 U	0.43 U
Anthracene	100	100	1000	MG/KG		0.013 J	0.39 U	0.095 J	0.15 J	0.37 U	0.4 U	1.5	0.23 J	0.11 J	0.24 J	1.3	0.38 U	0.43 U
Atrazine	--	--	--	MG/KG		0.16 UT	0.16 U	0.16 UT	0.16 U	0.15 UT	0.16 UT	0.16 U	0.16 U	0.16 U	0.16 UT	0.16 UT	0.15 UT	0.17 U
Benzaldehyde	--	--	--	MG/KG		0.39 UJ	0.39 UJ	0.38 U	0.41 UJ	0.37 UJ	0.4 U	0.4 UJ	0.4 UJ	0.4 UJ	0.39 UJ	0.39 UJ	0.38 U	0.43 UJ
Benzo(A)Anthracene	**1**	1	1	MG/KG		0.048	0.039 U	0.22	0.31	0.037 U	0.04 U	**1.9**	0.67	0.31	0.78	**3.2**	0.038 U	0.042 J
Benzo(A)Pyrene	**1**	1	22	MG/KG		0.037 J	0.039 U	0.23	0.29	0.037 U	0.04 U	**1.5**	0.55	0.35	0.84	**3.2**	0.038 U	0.026 J
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG		0.045	0.039 U	0.23	0.35	0.037 U	0.04 U	**1.6**	0.59	0.4	0.96	**3.9**	0.038 U	0.035 J
Benzo(G,H,I)Perylene	100	100	1000	MG/KG		0.022 J	0.39 U	0.13 J	0.13 J	0.37 U	0.4 U	0.56	0.3 J	0.18 J	0.52	1.9	0.38 U	0.43 U
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG		0.019 J	0.039 U	0.11	0.13	0.037 U	0.04 U	0.62	0.24	0.13	0.36	**1.3**	0.038 U	0.013 J
Benzyl Butyl Phthalate	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
Biphenyl (Diphenyl)	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.068 J	0.019 J	0.4 U	0.39 U	0.057 J	0.38 U	0.43 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG		0.039 U	0.039 U	0.038 U	0.041 U	0.037 U	0.04 U	0.04 U	0.04 U	0.04 U	0.039 U	0.039 U	0.038 U	0.043 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.034 J	0.4 U	0.089 J	0.11 J	0.38 U	0.43 U
Caprolactam	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 UT	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.073 J	0.38 U	0.43 U
Carbazole	--	--	--	MG/KG		0.39 U	0.39 U	0.026 J	0.045 J	0.37 U	0.4 U	0.52	0.036 J	0.042 J	0.064 J	0.39	0.38 U	0.43 U
Chrysene	**1**	3.9	1	MG/KG		0.04 J	0.39 U	0.23 J	0.3 J	0.37 U	0.4 U	**1.7**	0.62	0.33 J	0.79	**3.1**	0.38 U	0.037 J
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG		0.039 U	0.039 U	0.044	0.044	0.037 U	0.04 U	0.19	0.074	0.048	0.13	**0.54**	0.038 U	0.043 U
Dibenzofuran	7	59	210	MG/KG		0.39 U	0.39 U	0.025 J	0.041 J	0.37 U	0.4 U	0.45	0.034 J	0.032 J	0.048 J	0.31 J	0.38 U	0.43 U

Table 5. Summary of Semivolatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-25	EP-26	EP-27	EP-28	EP-29	EP-30	EP-31	EP-32	EP-33	EP-34	EP-35	EP-36	EP-37
					Sample Date:	03/19/2024	01/03/2024	11/10/2023	01/29/2024	12/07/2023	11/10/2023	08/22/2023	08/10/2023	06/05/2023	09/15/2023	09/15/2023	11/10/2023	01/29/2024
					Sample Depth (ft bls):	3.5 - 4.0	4.5 - 5.0	7.5 - 8.0	6.0 - 6.5	5.5 - 6.0	6.5 - 7.0	9.0 - 9.5	9 - 9.5	4.0 - 4.5	6.5 - 7.0	4.5 - 5.0	7.5 - 8.0	6.5 - 7.0
					Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N
Diethyl Phthalate	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
Dimethyl Phthalate	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
Di-N-Butyl Phthalate	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.022 J	0.017 J	0.39 U	0.38 U	0.43 U
Di-N-Octylphthalate	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
Fluoranthene	100	100	1000	MG/KG		0.067 J	0.39 U	0.5	0.62	0.37 U	0.4 U	3.9	1.7	0.69	1.7	7.2	0.38 U	0.05 J
Fluorene	30	100	386	MG/KG		0.39 U	0.39 U	0.038 J	0.069 J	0.37 U	0.4 U	0.87	0.082 J	0.054 J	0.075 J	0.51	0.38 U	0.43 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG		0.039 U	0.039 U	0.038 U	0.041 U	0.037 U	0.04 U	0.04 U	0.04 U	0.04 U	0.039 U	0.039 U	0.038 U	0.043 U
Hexachlorobutadiene	--	--	--	MG/KG		0.079 U	0.08 U	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.079 U	0.079 U	0.076 U	0.087 U
Hexachlorocyclopentadiene	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 UJ	0.39 UJ	0.38 U	0.43 U
Hexachloroethane	--	--	--	MG/KG		0.039 U	0.039 U	0.038 U	0.041 U	0.037 U	0.04 U	0.04 U	0.04 U	0.04 U	0.039 U	0.039 U	0.038 U	0.043 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG		0.052	0.039 U	0.19	0.16	0.037 U	0.04 U	**0.75**	0.35	0.23	**0.63**	**2.2**	0.038 U	0.043 U
Isophorone	--	--	--	MG/KG		0.16 U	0.16 U	0.16 U	0.16 U	0.15 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.15 U	0.17 U
Naphthalene	12	100	12	MG/KG		0.39 U	0.39 U	0.033 J	0.042 J	0.37 U	0.4 U	0.39 J	0.17 J	0.041 J	0.073 J	0.42	0.38 U	0.43 U
Nitrobenzene	--	--	--	MG/KG		0.039 U	0.039 U	0.038 U	0.041 U	0.037 U	0.04 U	0.04 U	0.04 U	0.04 U	0.039 U	0.039 U	0.038 U	0.043 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG		0.039 U	0.039 U	0.038 U	0.041 U	0.037 U	0.04 U	0.04 U	0.04 U	0.04 U	0.039 U	0.039 U	0.038 U	0.043 U
N-Nitrosodiphenylamine	--	--	--	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG		0.32 U	0.32 U	0.31 U	0.33 U	0.3 U	0.32 U	0.33 U	0.32 U	0.32 U	0.31 U	0.31 U	0.3 U	0.35 U
Phenanthrene	100	100	1000	MG/KG		0.036 J	0.39 U	0.34 J	0.58	0.37 U	0.4 U	4.1	1.5	0.53	1	5.5	0.38 U	0.044 J
Phenol	0.33	100	0.33	MG/KG		0.39 U	0.39 U	0.38 U	0.41 U	0.37 U	0.4 U	0.063 J	0.4 U	0.4 U	0.39 U	0.39 U	0.38 U	0.43 U
Pyrene	100	100	1000	MG/KG		0.086 J	0.39 U	0.44	0.64	0.37 UT	0.4 U	3	2	0.61	1.7	7	0.38 U	0.05 J

Table 5. Summary of Semivolatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-38	EP-39	EP-39	EP-40	EP-41	EP-42	EP-43	EP-44	EP-45	EP-46	EP-47	EP-48	EP-49
					Sample Date:	05/09/2024	05/09/2024	05/09/2024	05/09/2024	05/09/2024	05/09/2024	01/29/2024	01/29/2024	12/07/2023	11/10/2023	11/10/2023	09/21/2023	09/15/2023
					Sample Depth (ft bls):	5.0 - 5.5	4.5 - 5.0	4.5 - 5.0	3.5 - 4.0	2.0 - 2.5	3.5 - 4.0	8.5 - 9.0	4.5 - 5.0	2.5 - 3.0	5.5 - 6.0	5.5 - 6.0	4.5 - 5.0	6.0 - 6.5
					Normal Sample or Field Duplicate:	N	N	FD	N	N	N	N	N	N	N	N	N	N
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG		0.037 U	0.039 U	0.039 U	0.036 U	0.037 U	0.039 U	0.041 U	0.038 U	0.039 U	0.038 U	0.04 U	0.041 U	0.04 U
2,3,4,6-Tetrachlorophenol	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
2,4,5-Trichlorophenol	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
2,4,6-Trichlorophenol	--	--	--	MG/KG		0.15 U	0.16 U	0.16 U	0.14 U	0.15 U	0.16 U	0.16 U	0.15 U	0.16 U	0.15 U	0.16 U	0.16 U	0.16 U
2,4-Dichlorophenol	--	--	--	MG/KG		0.15 U	0.16 U	0.16 U	0.14 U	0.15 U	0.16 U	0.16 U	0.15 U	0.16 U	0.15 U	0.16 U	0.16 U	0.16 U
2,4-Dimethylphenol	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 UJ
2,4-Dinitrophenol	--	--	--	MG/KG		0.29 U	0.31 U	0.31 U	0.29 U	0.3 U	0.31 U	0.33 U	0.31 U	0.31 U	0.3 U	0.33 U	0.33 U	0.32 U
2,4-Dinitrotoluene	--	--	--	MG/KG		0.074 U	0.079 U	0.079 U	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.076 U	0.082 U	0.082 U	0.082 U
2,6-Dinitrotoluene	--	--	--	MG/KG		0.074 U	0.079 U	0.079 U	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.076 U	0.082 U	0.082 U	0.082 U
2-Chloronaphthalene	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
2-Chlorophenol	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
2-Methylnaphthalene	--	--	--	MG/KG		0.37 U	0.043 J	0.39 U	0.36 U	0.061 J	0.062 J	0.21 J	0.016 J	0.39 U	0.22 J	0.052 J	0.03 J	0.037 J
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
2-Nitroaniline	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
2-Nitrophenol	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG		0.15 U	0.16 U	0.16 U	0.14 U	0.15 U	0.16 U	0.16 U	0.15 U	0.16 UT	0.15 U	0.16 U	0.16 U	0.16 U
3-Nitroaniline	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG		0.29 U	0.31 U	0.31 U	0.29 U	0.3 U	0.31 U	0.33 U	0.31 U	0.31 U	0.3 U	0.33 U	0.33 U	0.32 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
4-Chloroaniline	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 UT	0.38 U	0.4 U	0.41 U	0.4 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
4-Methylphenol (P-Cresol)	0.33	100	0.33	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
4-Nitroaniline	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
4-Nitrophenol	--	--	--	MG/KG		0.74 U	0.79 U	0.79 U	0.73 U	0.75 U	0.79 U	0.83 U	0.78 U	0.79 U	0.76 U	0.82 U	0.82 U	0.82 U
Acenaphthene	20	100	98	MG/KG		0.37 U	0.21 J	0.39 U	0.022 J	0.12 J	0.12 J	0.66	0.057 J	0.39 U	0.44	0.11 J	0.032 J	0.16 J
Acenaphthylene	100	100	107	MG/KG		0.37 U	0.022 J	0.019 J	0.027 J	0.11 J	0.14 J	0.031 J	0.032 J	0.39 U	0.19 J	0.13 J	0.092 J	0.067 J
Acetophenone	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
Anthracene	100	100	1000	MG/KG		0.025 J	0.47	0.042 J	0.067 J	0.34 J	0.33 J	1.2	0.15 J	0.39 U	1.5	0.47	0.14 J	0.36 J
Atrazine	--	--	--	MG/KG		0.15 UT	0.16 UT	0.16 UT	0.14 UT	0.15 UT	0.16 UT	0.16 U	0.15 U	0.16 UT	0.15 UT	0.16 UT	0.16 U	0.16 UT
Benzaldehyde	--	--	--	MG/KG		0.37 UJ	0.39 UJ	0.39 UJ	0.36 UJ	0.37 UJ	0.39 UJ	0.41 UJ	0.38 UJ	0.39 UJ	0.38 U	0.4 U	0.41 UJ	0.4 UJ
Benzo(A)Anthracene	**1**	1	1	MG/KG		0.078	0.83 J	0.14 J	0.23	0.91	**1.1**	**1.9**	0.44	0.039 U	**4.4**	**1.4**	0.47	**1.1**
Benzo(A)Pyrene	**1**	1	22	MG/KG		0.074	0.72 J	0.12 J	0.23	0.9	**1.1**	**1.8**	0.43	0.039 U	**5.9**	**1.4**	0.43	0.98
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG		0.085	0.8 J	0.17 J	0.28	**1.1**	**1.3**	**2.1**	0.51	0.039 U	**6.5**	**1.7**	0.51	**1.2**
Benzo(G,H,I)Perylene	100	100	1000	MG/KG		0.037 J	0.26 J	0.058 J	0.11 J	0.45	0.49	0.71	0.21 J	0.39 U	3.1	0.82	0.27 J	0.59
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG		0.04	0.33 J	0.058 J	0.091	0.36	0.51	0.73	0.17	0.039 U	**2**	0.55	0.24	0.46
Benzyl Butyl Phthalate	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
Biphenyl (Diphenyl)	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.02 J	0.019 J	0.067 J	0.38 U	0.39 U	0.055 J	0.015 J	0.41 U	0.4 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG		0.037 U	0.039 U	0.039 U	0.036 U	0.037 U	0.039 U	0.041 U	0.038 U	0.039 U	0.038 U	0.04 U	0.041 U	0.04 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG		0.37 U	0.39 U	0.11 J	0.36 U	0.048 J	0.094 J	0.41 U	0.15 J	0.39 U	0.042 J	0.4 U	0.41 U	0.081 J
Caprolactam	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 UT	0.38 U	0.4 U	0.41 U	0.4 U
Carbazole	--	--	--	MG/KG		0.37 U	0.16 J	0.39 U	0.02 J	0.11 J	0.1 J	0.61	0.048 J	0.39 U	0.59	0.18 J	0.031 J	0.15 J
Chrysene	**1**	3.9	1	MG/KG		0.075 J	0.81	0.13 J	0.24 J	0.91	**1.1**	**1.8**	0.44	0.39 U	**4.1**	**1.3**	0.47	1
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG		0.037 U	0.086	0.019 J	0.028 J	0.11	0.14	0.22	0.054	0.039 U	**0.64**	0.22	0.063	0.16
Dibenzofuran	7	59	210	MG/KG		0.37 U	0.11 J	0.39 U	0.015 J	0.1 J	0.089 J	0.48	0.036 J	0.39 U	0.37 J	0.083 J	0.024 J	0.086 J

Table 5. Summary of Semivolatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-38	EP-39	EP-39	EP-40	EP-41	EP-42	EP-43	EP-44	EP-45	EP-46	EP-47	EP-48	EP-49
					Sample Date:	05/09/2024	05/09/2024	05/09/2024	05/09/2024	05/09/2024	05/09/2024	01/29/2024	01/29/2024	12/07/2023	11/10/2023	11/10/2023	09/21/2023	09/15/2023
					Sample Depth (ft bls):	5.0 - 5.5	4.5 - 5.0	4.5 - 5.0	3.5 - 4.0	2.0 - 2.5	3.5 - 4.0	8.5 - 9.0	4.5 - 5.0	2.5 - 3.0	5.5 - 6.0	5.5 - 6.0	4.5 - 5.0	6.0 - 6.5
					Normal Sample or Field Duplicate:	N	N	FD	N	N	N	N	N	N	N	N	N	N
Diethyl Phthalate	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
Dimethyl Phthalate	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
Di-N-Butyl Phthalate	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
Di-N-Octylphthalate	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
Fluoranthene	100	100	1000	MG/KG		0.14 J	1.7 J	0.28 J	0.44	1.8	2	4.4	0.87	0.39 U	7.6	2.5	0.93	2.2
Fluorene	30	100	386	MG/KG		0.37 U	0.22 J	0.015 J	0.023 J	0.16 J	0.14 J	0.71	0.06 J	0.39 U	0.45	0.13 J	0.038 J	0.14 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG		0.037 U	0.039 U	0.039 U	0.036 U	0.037 U	0.039 U	0.041 U	0.038 U	0.039 U	0.038 U	0.04 U	0.041 U	0.04 U
Hexachlorobutadiene	--	--	--	MG/KG		0.074 U	0.079 U	0.079 U	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.076 U	0.082 U	0.082 U	0.082 U
Hexachlorocyclopentadiene	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 UJ	0.4 UJ
Hexachloroethane	--	--	--	MG/KG		0.037 U	0.039 U	0.039 U	0.036 U	0.037 U	0.039 U	0.041 U	0.038 U	0.039 U	0.038 U	0.04 U	0.041 U	0.04 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG		0.045	0.35 J	0.057 J	0.13	**0.54**	**0.61**	**0.96**	0.26	0.039 U	**3.8**	**1.1**	0.29	**0.74**
Isophorone	--	--	--	MG/KG		0.15 U	0.16 U	0.16 U	0.14 U	0.15 U	0.16 U	0.16 U	0.15 U	0.16 U	0.15 U	0.16 U	0.16 U	0.16 U
Naphthalene	12	100	12	MG/KG		0.37 U	0.062 J	0.39 U	0.016 J	0.13 J	0.12 J	0.57	0.025 J	0.39 U	0.57	0.1 J	0.065 J	0.062 J
Nitrobenzene	--	--	--	MG/KG		0.037 U	0.039 U	0.039 U	0.036 U	0.037 U	0.039 U	0.041 U	0.038 U	0.039 U	0.038 U	0.04 U	0.041 U	0.04 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG		0.037 U	0.039 U	0.039 U	0.036 U	0.037 U	0.039 U	0.041 U	0.038 U	0.039 U	0.038 U	0.04 U	0.041 U	0.04 U
N-Nitrosodiphenylamine	--	--	--	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG		0.29 U	0.31 U	0.31 U	0.29 U	0.3 U	0.31 U	0.33 U	0.31 U	0.31 U	0.3 U	0.33 U	0.33 U	0.32 U
Phenanthrene	100	100	1000	MG/KG		0.091 J	1.7 J	0.17 J	0.26 J	1.3	1.3	4.9	0.72	0.39 U	5.8	1.6	0.5	1.7
Phenol	0.33	100	0.33	MG/KG		0.37 U	0.39 U	0.39 U	0.36 U	0.37 U	0.39 U	0.41 U	0.38 U	0.39 U	0.38 U	0.4 U	0.41 U	0.4 U
Pyrene	100	100	1000	MG/KG		0.14 J	1.6 J	0.27 J	0.45	1.8	2.1	3.9	0.94	0.39 UT	7.1	2.4	1.1	2

Table 5. Summary of Semivolatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	WF-A	WF-B	WF-B	WF-C	WF-D	WF-E	WF-F	WF-X
					Sample Date:	10/15/2024	10/15/2024	10/15/2024	10/15/2024	10/15/2024	10/18/2024	10/18/2024	10/15/2024
					Sample Depth (ft bls):	1.5 - 2	1.5 - 2	1.5 - 2	1 - 1.5	1 - 1.5	3 - 3.5	4 - 4.5	0.5 - 1
					Normal Sample or Field Duplicate:	N	N	FD	N	N	N	N	N
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.034 U	0.033 U	0.033 U	0.035 U	0.035 U	0.033 U	0.034 U	0.034 U
2,3,4,6-Tetrachlorophenol	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.13 U	0.14 U	0.14 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.13 U	0.14 U	0.14 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.34 UT	0.33 UT	0.33 UT	0.35 UT	0.35 UT	0.33 U	0.34 U	0.34 UT
2,4-Dinitrophenol	--	--	--	MG/KG	0.27 U	0.27 U	0.27 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.069 U	0.068 U	0.068 U	0.07 U	0.071 U	0.068 U	0.068 U	0.069 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.069 UT	0.068 UT	0.068 UT	0.07 UT	0.071 UT	0.068 U	0.068 U	0.069 UT
2-Chloronaphthalene	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
2-Chlorophenol	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
2-Methylnaphthalene	--	--	--	MG/KG	0.015 J	0.33 U	0.33 U	0.016 J	0.029 J	0.033 J	0.029 J	0.027 J
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
2-Nitroaniline	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
2-Nitrophenol	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.13 U	0.14 U	0.14 U
3-Nitroaniline	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.27 U	0.27 U	0.27 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
4-Chloroaniline	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
4-Methylphenol (P-Cresol)	0.33	100	0.33	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
4-Nitroaniline	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
4-Nitrophenol	--	--	--	MG/KG	0.69 U	0.68 U	0.68 U	0.7 U	0.71 U	0.68 U	0.68 U	0.69 U
Acenaphthene	20	100	98	MG/KG	0.02 J	0.33 U	0.33 U	0.03 J	0.035 J	0.079 J	0.096 J	0.052 J
Acenaphthylene	100	100	107	MG/KG	0.056 J	0.33 U	0.33 U	0.046 J	0.061 J	0.063 J	0.049 J	0.062 J
Acetophenone	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
Anthracene	100	100	1000	MG/KG	0.077 J	0.33 U	0.33 U	0.088 J	0.1 J	0.22 J	0.24 J	0.15 J
Atrazine	--	--	--	MG/KG	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.13 UT	0.14 UT	0.14 U
Benzaldehyde	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 UT	0.34 UT	0.34 U
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.24	0.033 U	0.033 U	0.33	0.38	0.7	0.57	0.46
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.25	0.017 J	0.016 J	0.38	0.4	0.74	0.6	0.46
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.32	0.022 J	0.022 J	0.43	0.53	0.87	0.7	0.54
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.18 JT	0.015 JT	0.013 JT	0.26 JT	0.3 JT	0.42	0.36	0.31 JT
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.11	0.012 J	0.0092 J	0.21	0.18	0.32	0.27	0.26
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.034 U	0.033 U	0.033 U	0.035 U	0.035 U	0.033 U	0.034 U	0.034 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.021 J	0.026 J	0.34 U
Caprolactam	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 UT	0.34 UT	0.34 U
Carbazole	--	--	--	MG/KG	0.02 J	0.33 U	0.33 U	0.03 J	0.028 J	0.078 J	0.085 J	0.038 J
Chrysene	**1**	3.9	1	MG/KG	0.28 J	0.019 J	0.017 J	0.31 J	0.36	0.7	0.58	0.44
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.03 J	0.033 U	0.033 U	0.068	0.055	0.12	0.11	0.077
Dibenzofuran	7	59	210	MG/KG	0.018 J	0.33 U	0.33 U	0.023 J	0.026 J	0.054 J	0.061 J	0.038 J

Table 5. Summary of Semivolatile Organic Compounds in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	WF-A	WF-B	WF-B	WF-C	WF-D	WF-E	WF-F	WF-X
Sample Designation:					WF-A	WF-B	WF-B	WF-C	WF-D	WF-E	WF-F	WF-X
Sample Date:					10/15/2024	10/15/2024	10/15/2024	10/15/2024	10/15/2024	10/18/2024	10/18/2024	10/15/2024
Sample Depth (ft bls):					1.5 - 2	1.5 - 2	1.5 - 2	1 - 1.5	1 - 1.5	3 - 3.5	4 - 4.5	0.5 - 1
Normal Sample or Field Duplicate:					N	N	FD	N	N	N	N	N
Diethyl Phthalate	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
Dimethyl Phthalate	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.044 J	0.023 J	0.02 J	0.14 J	0.04 J	0.087 J	0.04 J	0.057 J
Di-N-Octylphthalate	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
Fluoranthene	100	100	1000	MG/KG	0.51	0.031 J	0.023 J	0.56	0.67	1.2	1.1	0.87
Fluorene	30	100	386	MG/KG	0.028 J	0.33 U	0.33 U	0.033 J	0.037 J	0.078 J	0.083 J	0.059 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.034 U	0.033 U	0.033 U	0.035 U	0.035 U	0.033 U	0.034 U	0.034 U
Hexachlorobutadiene	--	--	--	MG/KG	0.069 U	0.068 U	0.068 U	0.07 U	0.071 U	0.068 U	0.068 U	0.069 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.34 UJ	0.33 UJ	0.33 UJ	0.35 UJ	0.35 UJ	0.33 UT	0.34 UT	0.34 UJ
Hexachloroethane	--	--	--	MG/KG	0.034 U	0.033 U	0.033 U	0.035 U	0.035 U	0.033 U	0.034 U	0.034 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	0.19	0.032 J	0.031 J	0.29	0.32	0.44	0.38	0.32
Isophorone	--	--	--	MG/KG	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.13 U	0.14 U	0.14 U
Naphthalene	12	100	12	MG/KG	0.038 J	0.33 U	0.33 U	0.034 J	0.038 J	0.063 J	0.061 J	0.052 J
Nitrobenzene	--	--	--	MG/KG	0.034 U	0.033 U	0.033 U	0.035 U	0.035 U	0.033 U	0.034 U	0.034 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.034 U	0.033 U	0.033 U	0.035 U	0.035 U	0.033 U	0.034 U	0.034 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.27 U	0.27 U	0.27 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U
Phenanthrene	100	100	1000	MG/KG	0.34	0.02 J	0.014 J	0.36	0.41	0.85	0.97	0.56
Phenol	0.33	100	0.33	MG/KG	0.34 U	0.33 U	0.33 U	0.35 U	0.35 U	0.33 U	0.34 U	0.34 U
Pyrene	100	100	1000	MG/KG	0.55	0.031 J	0.022 J	0.53	0.64	1.3	1.1	0.8

Table 6. Summary of Metals in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-1	EP-2	EP-3	EP-4	EP-5	EP-6	EP-7	EP-8	EP-9	EP-10	EP-10	EP-11	EP-12	EP-13	EP-14
					Sample Date:	04/25/2023	04/27/2023	04/25/2023	04/27/2023	04/27/2023	06/05/2023	06/05/2023	06/23/2023	12/07/2023	04/25/2023	04/25/2023	04/25/2023	04/25/2023	04/25/2023	01/03/2024
					Sample Depth (ft bls):	0.0 - 0.5	3.0 - 3.5	2.5 - 3.0	4.5 - 5.0	4.5 - 5.0	7.5 - 8.0	7.0 - 7.5	6.5 - 7.0	1.5 - 2.0	30 - 3.5	30 - 3.5	0.5 - 1.0	3.5 - 4.0	3.0 - 3.5	7.5 - 8.0
					Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N
Aluminum	--	--	--	MG/KG		5720	6280	7560	8220	8440	6240	7290	6540	7780	8390	8730	8750	8570	8790	9910
Antimony	--	--	--	MG/KG		0.43 J	0.6 J	0.19 J	0.33 J	0.32 J	0.88 U	0.92 U	0.78 U	0.3 J-	0.39 J	0.25 J	1.1 UJ	0.91 U	0.96 U	0.26 J
Arsenic	**13**	16	16	MG/KG		5.9	6.6	7.4	5.5	6.6	2.1	4.7	2.5	6.3	7.4	6.5	5.3	3.9	3.9	5.6
Barium	350	400	820	MG/KG		104	130	70.9	95.6	75.8	27.9	54.3	25.4	91.9	74.8	69.5	74.1	51.5	34.6	44.1
Beryllium	7.2	72	47	MG/KG		0.35 J	0.36 J	0.4	0.42	0.43 J	0.27 J	0.35 J	0.3 J	0.4 J	0.38 J	0.4 J	0.38 J	0.37	0.37 J	0.43
Cadmium	2.5	4.3	7.5	MG/KG		0.39 J	1.6	0.21 J	0.17 J	0.25 J	0.88 U	0.92 U	0.78 U	0.23 J	0.17 J	0.17 J	0.23 J	0.91 U	0.96 U	0.96 U
Calcium	--	--	--	MG/KG		7710	10100	14900	6100	6600	1200	3470	200	7010	4660	6030	5330	3720	20800	4400 J
Chromium, Total	**30**	180	--	MG/KG		14.2	17.3	23	19.9	19.6	9.8	14.4	8	20	18	16.7	16	15.8	13.4	16.8
Cobalt	--	--	--	MG/KG		5.5	6.3	4.6	7.2	7.1	5.7	4.9	5.5	7.5	6.2	6.5	6.7	6.2	6.1	6.7
Copper	**50**	270	1720	MG/KG		47.4	**58.8**	28	42.9	42.5	16.5	30.5	10.8	36.4 J	48.3	44.3	37.9	19.3	17.1	18
Iron	--	--	--	MG/KG		15300	17800	19800	18300	18100	12700	15300	13500	18500	18900	18700	17500	15900	16900	17900
Lead	**63**	400	450	MG/KG		**292**	**496**	**148**	**383**	**190**	50.3	49.7	4.9	**136**	**83.6**	**85.9**	**79.2**	18.8	16.1	16.6
Magnesium	--	--	--	MG/KG		2290	2560	2880	3120	2930	1970	2560	2230	3160	2960	3260	3010	2870	13200	3230
Manganese	1600	2000	2000	MG/KG		404	325	206	238	251	327	203	216	295	305	305	373	254	315	356
Mercury	**0.18**	0.81	0.73	MG/KG		**0.54**	**0.55**	**0.2**	**0.37**	**0.63**	0.1	0.17 J	0.021	**0.24**	**1.4**	**1.1**	**0.22**	0.048	0.047	0.025
Nickel	**30**	310	130	MG/KG		12.5	14.9	11.6	17.1	17.8	9.2	12.6	10.7	15.9	15.5	15.8	15.2	13.8	13.4	14.3
Potassium	--	--	--	MG/KG		1040	1150	1090	1540	1250	715	1040	509	1430	1160	1140	1160 J	961	1010	1240
Selenium	3.9	180	4	MG/KG		0.54 J	0.61 J	0.42 J	0.43 J	0.41 J	0.14 J	0.2 J	0.98 U	0.32 J	0.31 J	0.32 J	0.29 J	0.16 J	0.15 J	1.2 U
Silver	2	180	8.3	MG/KG		0.14 J	0.21 J	0.37 U	0.14 J	0.11 J	0.35 U	0.37 U	0.31 U	0.11 J	0.41 U	0.41 U	0.46 U	0.36 U	0.39 U	0.38 U
Sodium	--	--	--	MG/KG		221	222	255	293	242	132	153	47 J	244	198	188	231	182	149	220
Thallium	--	--	--	MG/KG		0.14 J	0.14 J	0.096 J	0.13 J	0.12 J	0.067 J	0.086 J	0.037 J	0.14 J	0.1 J	0.098 J	0.1 J	0.077 J	0.088 J	0.079 J
Vanadium	--	--	--	MG/KG		19.4	24.3	20.2	24.7	22.5	14.1	18.2	10.4	21.4	22.7	24	22.9	19.6	17.8	20.8
Zinc	**109**	10000	2480	MG/KG		**159**	**372**	97.4	**115**	**118**	59.7	58.7	33	98.2	85.6	**123**	100	50.4	58.4	48.2

Table 6. Summary of Metals in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-15	EP-16	EP-17	EP-18	EP-19	EP-20	EP-21	EP-22	EP-23	EP-24	EP-24	EP-25	EP-26	EP-27	EP-28
					Sample Date:	11/10/2023	06/23/2023	06/23/2023	06/23/2023	07/17/2023	08/10/2023	08/10/2023	07/20/2023	07/20/2023	01/03/2024	01/03/2024	03/19/2024	01/03/2024	11/10/2023	01/29/2024
					Sample Depth (ft bls):	7.5 - 8.0	7.0 - 7.5	7.0 - 7.5	6.0 - 6.5	10.0 - 10.5	10 - 10.5	3 - 3.5	9.5 - 10.0	9.5 - 10.0	7.5 - 8.0	7.5 - 8.0	3.5 - 4.0	4.5 - 5.0	7.5 - 8.0	6.0 - 6.5
					Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N
Aluminum	--	--	--	MG/KG		7920	6910	2800	6300	7380	8010	8670	6650	6490	9760	9230	9060	6410	7280	7490
Antimony	--	--	--	MG/KG		1.1 U	0.98 U	0.86 U	0.38 J	0.29 J	1.4	2.3	0.37 J	0.5 J	0.6 J	0.13 J	0.47 J	0.13 J	1 U	0.17 J
Arsenic	**13**	16	16	MG/KG		4.8	3.1	1.1	5.6	9.1	10.3	12.1	6.7	6.9	4.1	2.4	5.3	2.4	3.5	5
Barium	350	400	820	MG/KG		40.6	48.4	18.6	62	91.7	100	176	99.2	92.2	56.1	59.1	69.5	20.1	35.9	51.3
Beryllium	7.2	72	47	MG/KG		0.33 J	0.25 J	0.28 J	0.33	0.36 J	0.39	0.39	0.35 J	0.33 J	0.35 J	0.38	0.4	0.27 J	0.34 J	0.38 J
Cadmium	2.5	4.3	7.5	MG/KG		1.1 U	0.98 U	0.86 U	0.17 J	1.1 U	0.38 J	0.84 J	0.21 J	0.35 J	0.12 J	0.11 J	0.25 J	0.88 U	1 U	0.13 J
Calcium	--	--	--	MG/KG		4240	498	2400	7000	6290	8330	10600	15500	8400	16900 J	1170 J	5540	419	1980	5360
Chromium, Total	**30**	180	--	MG/KG		15.1	12.4	6.3	14.2	20.9	20.4	23.3	**386**	15.9	**35.2 J**	11.5 J	19.6	10.8	15.4	17.8
Cobalt	--	--	--	MG/KG		5.6	4.8	2.5	5	6.5	6.7	6.8	6.4	5.5	5.2	3.9	6.5	3.5	6.8	5.5
Copper	**50**	270	1720	MG/KG		19.9	17.8	9	27.9	28.1	43.6	**67.1**	41.9	44.4	19.7	12.1	36.2	8.9	18.6	23.8
Iron	--	--	--	MG/KG		16600	16400	8280	12900	17100	16700	21200	52500	14100	13000	11400	20000	13100	38700	15200
Lead	**63**	400	450	MG/KG		19.8	6.3	5.1	**95.9**	**247**	**229**	**443**	**353**	**222**	23.7 J	6.3 J	**83.4**	4.5	32.4	42.6
Magnesium	--	--	--	MG/KG		2880	2440	2380	2660	2940	3220	3620	3070	2620	3720	2880	2990	1880	2610	2770
Manganese	1600	2000	2000	MG/KG		288	283	143	218	296	283	296	495	204	211 J	97.7 J	292	153	366	241
Mercury	**0.18**	0.81	0.73	MG/KG		0.05	0.027	0.017 J	**0.22**	**0.69**	**0.4**	**0.49**	**0.29**	**0.38**	0.011 J	0.02 U	**0.3**	0.019 U	0.05	0.13
Nickel	**30**	310	130	MG/KG		13	11.9	7.4	12.4	14.2	15.4	17.5	29.4	14	18.1	12.6	17.7	10.6	12.7	13.1
Potassium	--	--	--	MG/KG		882	811	604	1010	1710	1950	1930	1270	1290	940	1000	1020	847	740	1160 B
Selenium	3.9	180	4	MG/KG		1.3 U	1.2 U	1.1 U	0.29 J	0.28 J	0.43 J	0.71 J	0.36 J	0.64 J	1.2 U	1.1 U	0.26 J	1.1 U	0.14 J	0.19 J
Silver	2	180	8.3	MG/KG		0.43 U	0.39 U	0.34 U	0.076 J	0.13 J	0.1 J	0.2 J	0.11 J	0.13 J	0.38 U	0.36 U	0.15 J	0.35 U	0.41 U	0.44 U
Sodium	--	--	--	MG/KG		172	128	127	199	248	327	267	304	314	168 J	92.5 J	294	56 J	194	132
Thallium	--	--	--	MG/KG		0.18 J	0.053 J	0.043 J	0.092 J	0.11 J	0.14 J	0.17 J	0.097 J	0.11 J	0.065 J	0.066 J	0.097 J	0.041 J	0.19 J	0.087 J
Vanadium	--	--	--	MG/KG		16.6	12.5	9.8	16.6	21.7	24.8	27.8 J	29	19.3	22.1	16	23.9	16.4	19.9	18.9
Zinc	**109**	10000	2480	MG/KG		48	37.6	18.3	85.5	103	**142**	**352**	93.6	**203**	53.4	40.1	**118**	25.5	57.4	63.4

Table 6. Summary of Metals in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-29	EP-30	EP-31	EP-32	EP-33	EP-34	EP-35	EP-36	EP-37	EP-38	EP-39	EP-39	EP-40	EP-41	EP-42
					Sample Date:	12/07/2023	11/10/2023	08/22/2023	08/10/2023	06/05/2023	09/15/2023	09/15/2023	11/10/2023	01/29/2024	05/09/2024	05/09/2024	05/09/2024	05/09/2024	05/09/2024	05/09/2024
					Sample Depth (ft bls):	5.5 - 6.0	6.5 - 7.0	9.0 - 9.5	9 - 9.5	4.0 - 4.5	6.5 - 7.0	4.5 - 5.0	7.5 - 8.0	6.5 - 7.0	5.0 - 5.5	4.5 - 5.0	4.5 - 5.0	3.5 - 4.0	2.0 - 2.5	3.5 - 4.0
					Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Aluminum	--	--	--	MG/KG		4200	4460	5160	8530	7490	7030	7760	5750	9310	7430	10900	8550	6490	8030	8750
Antimony	--	--	--	MG/KG		1 U	1 U	0.29 J	0.81 J	0.36 J	0.36 J	0.47 J	0.91 U	1.3 U	0.26 J	0.36 J	0.29 J	0.38 J	0.86	0.91
Arsenic	**13**	16	16	MG/KG		1.4	1.3	5.7	**13.8**	7.2	7	8.5	2.2	4.8	4.9	7.9	5.5	5.1	**17.7**	**26.4**
Barium	350	400	820	MG/KG		24.1	46.5	31.9	91.1	147	117	138	35.6	33.7	40.5	51.3	50	53	79.4	99.4
Beryllium	7.2	72	47	MG/KG		0.32 J	0.31 J	0.31 J	0.4	0.4 J	0.27 J	0.32 J	0.51	0.44 J	0.34 J	0.57	0.41	0.36	0.38	0.4
Cadmium	2.5	4.3	7.5	MG/KG		1 U	0.25 J	0.14 J	0.16 J	0.23 J	0.27 J	0.28 J	0.11 J	1.3 U	0.88 U	0.098 J	0.12 J	0.42 J	0.14 J	0.16 J
Calcium	--	--	--	MG/KG		805	2420	2350	23400	10600	11900	14200	747	969	3050	2280	3320	10200	9580	7870
Chromium, Total	**30**	180	--	MG/KG		10.5	9.4	8.2	**33.6**	19	19	24.8	19.4	14	13.2	20.4	16	14.5	18.3	21.4
Cobalt	--	--	--	MG/KG		4.5	5.8	4.4	6.4	6.8	6.3	6.3	6.9	8.3	5	9.2 J	5.5 J	5.7	5.9	6.6
Copper	**50**	270	1720	MG/KG		10.1	38.8	**57.7**	36.2	40.4	47.7	40.8	20.8	16.2	22.3	21.6	20.2	**68.1**	36.7	**105**
Iron	--	--	--	MG/KG		12800	9530	9140	18900	14900	15600	16000	23400	19700	14400	20200	17500	15500	15200	26200
Lead	**63**	400	450	MG/KG		4.5	6.4	**82**	**137**	**945**	**219**	**170**	6.9	10.7	30.7	37.1	24.7	52.5	**160**	**179**
Magnesium	--	--	--	MG/KG		1750	2800	1960	4390	3270	4400	4360	2080	3530	2260	2970	2740	3970	2820	3300
Manganese	1600	2000	2000	MG/KG		125	275	89.3	331	328	224	272	862	585	163	308	238	294	214	293
Mercury	**0.18**	0.81	0.73	MG/KG		0.018 U	0.019 U	0.11	**0.68**	**1.3**	**0.3**	**0.37**	0.019 U	0.02	0.054	0.019 J	0.033	0.087	**0.25**	**0.3**
Nickel	**30**	310	130	MG/KG		9.2	16.9	9.3	16.8	16.2	16.6	21.9	13.9	14.9	10.5	14.9	12.4	11.1	14.9	16.9
Potassium	--	--	--	MG/KG		686	1410	754	1870	1400	2000	1830	840	915 B	1120	1220	1380	994	1560	1940
Selenium	3.9	180	4	MG/KG		1.3 U	1.3 U	0.43 J	0.33 J	0.74 J	0.35 J	0.43 J	1.1 U	1.6 U	0.12 J	0.17 J	0.16 J	0.16 J	0.37 J	0.33 J
Silver	2	180	8.3	MG/KG		0.41 U	0.42 U	0.12 J	0.14 J	0.14 J	0.11 J	0.12 J	0.36 U	0.5 U	0.35 U	0.35 U	0.37 U	0.34 U	0.35 U	0.11 J
Sodium	--	--	--	MG/KG		95.1 J	242	150	326	334	270	311	103	71.6 J	146	106	124	156	207	258
Thallium	--	--	--	MG/KG		0.061 J	0.18 J	0.053 J	0.13 J	0.15 J	0.13 J	0.15 J	0.25 J	0.069 J	0.071 J	0.093 J	0.086 J	0.081 J	0.1 J	0.14 J
Vanadium	--	--	--	MG/KG		15.3	13.4	10	26.1	22.4	23.8	23.7	22.3	17.3	27.7	27	22.7	21	22.6	25.9
Zinc	**109**	10000	2480	MG/KG		19.2	97.4	70.9	**112**	**121**	**138**	**119**	29.8	48.1	40.2	64.9 J	49.5 J	**118**	75.9	**122**

Table 6. Summary of Metals in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-43	EP-44	EP-45	EP-46	EP-47	EP-48	EP-49	HS1_B	HS1_SW1	HS1_SW2	HS1_SW3	HS1_SW4	HS1_SW5	HS1_SW6	HS2_B
					Sample Date:	01/29/2024	01/29/2024	12/07/2023	11/10/2023	11/10/2023	09/21/2023	09/15/2023	09/07/2022	09/07/2022	09/07/2022	09/07/2022	09/07/2022	09/07/2022	09/07/2022	11/17/2022
					Sample Depth (ft bls):	8.5 - 9.0	4.5 - 5.0	2.5 - 3.0	5.5 - 6.0	5.5 - 6.0	4.5 - 5.0	6.0 - 6.5	5 - 5	5 - 5	5 - 5	5 - 5	5 - 5	5 - 5	5 - 5	8 - 8.5
					Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aluminum	--	--	--	MG/KG		8110	8300	11200	7790	8460	6540	7340	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	--	--	--	MG/KG		1 U	0.19 J	1.1 U	0.34 J	0.41 J	0.86 J	0.31 J	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	**13**	16	16	MG/KG		3.8	5.1	3.6	10.3	12.2	6.7	8.6	NA	NA	NA	NA	NA	NA	NA	NA
Barium	350	400	820	MG/KG		52	56.9	32.2	82.1	86	79.2	111	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	7.2	72	47	MG/KG		0.46	0.4 J	0.54	0.39 J	0.4 J	0.28 J	0.31 J	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	2.5	4.3	7.5	MG/KG		1 U	0.16 J	1.1 U	0.36 J	0.32 J	0.14 J	0.21 J	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	--	--	--	MG/KG		2350	9070	904	7320	17500	6510	11100	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	**30**	180	--	MG/KG		19.4	17.7	16.9	16	**58.1**	17.8	19.3	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	--	--	--	MG/KG		6.3	5.7	6.7	6.3	7	7	6.6	NA	NA	NA	NA	NA	NA	NA	NA
Copper	**50**	270	1720	MG/KG		22.6	26.4	14.3	50	**53.7**	30.4	37.9	NA	NA	NA	NA	NA	NA	NA	NA
Iron	--	--	--	MG/KG		18700	16000	18400	15100	17400	13300	15700	NA	NA	NA	NA	NA	NA	NA	NA
Lead	**63**	400	450	MG/KG		30	59.6	9.2	**195**	**133**	**90.6**	**166**	**215**	**163**	**128**	**203**	**147**	**119**	**124**	**448**
Magnesium	--	--	--	MG/KG		2670	3360	3040	2920	5990	3350	4520	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	1600	2000	2000	MG/KG		244	289	419	288	286	192	297	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	**0.18**	0.81	0.73	MG/KG		0.058	0.13	0.019	**5.7**	**0.48**	**0.65**	**0.28**	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	**30**	310	130	MG/KG		13.7	14.5	15.9	14.6	**31.9**	17.7	15.6	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	--	--	--	MG/KG		1250 B	1310 B	850	1200	1100	1990	2220	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	3.9	180	4	MG/KG		0.15 J	0.2 J	0.14 J	0.66 J	0.6 J	0.32 J	0.36 J	NA	NA	NA	NA	NA	NA	NA	NA
Silver	2	180	8.3	MG/KG		0.42 U	0.44 U	0.44 U	0.11 J	0.45 U	0.37 U	0.45 U	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	--	--	--	MG/KG		148	158	197	215	499	211	271	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	--	--	--	MG/KG		0.12 J	0.11 J	0.088 J	0.3 J	0.2 J	0.12 J	0.15 J	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	--	--	--	MG/KG		25.2	21.5	19.4	19.4	24.3	20.6	24.7	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	**109**	10000	2480	MG/KG		56.3	64.2	36.4	**149**	**137**	74	**110**	NA	NA	NA	NA	NA	NA	NA	NA

Table 6. Summary of Metals in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:	HS2_SW1	HS2_SW2	HS2_SW3	HS2_SW4	HS2_SW5	HS2_SW6	HS2_SW7	HS2_SW8	HS2_SW9	HS2_SW10	HS2_SW11	HS2_SW12	HS2_SW13	HS2_SW14	HS2_SW15
			Sample Date:	11/17/2022	11/17/2022	11/17/2022	11/17/2022	11/17/2022	11/17/2022	11/30/2022	11/30/2022	11/30/2022	11/30/2022	12/12/2022	12/12/2022	12/12/2022	12/28/2022	12/28/2022
			Sample Depth (ft bls):	8 - 8.5	8 - 8.5	8 - 8.5	8 - 8.5	8 - 8.5	8 - 8.5	8 - 8.5	8 - 8.5	8 - 8.5	8 - 8.5	8 - 8.5	8 - 8.5	8 - 8.5	8 - 8.5	8 - 8.5
			Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units														
Aluminum	--	--	--	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	--	--	--	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	**13**	16	16	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	350	400	820	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	7.2	72	47	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	2.5	4.3	7.5	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	--	--	--	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	**30**	180	--	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	--	--	--	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	**50**	270	1720	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	--	--	--	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	**63**	400	450	MG/KG	**356**	**338**	**1130**	**11400**	**513**	**446**	**1250**	**483**	**1300**	**444**	**1580**	**2310**	**2410**	**371**	**251**
Magnesium	--	--	--	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	1600	2000	2000	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	**0.18**	0.81	0.73	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	**30**	310	130	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	--	--	--	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	3.9	180	4	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	2	180	8.3	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	--	--	--	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	--	--	--	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	--	--	--	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	**109**	10000	2480	MG/KG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 6. Summary of Metals in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	HS2_SW16	HS2_SW17	WF-A	WF-B	WF-B	WF-C	WF-D	WF-E	WF-F	WF-X
					Sample Date:	12/28/2022	12/28/2022	10/15/2024	10/15/2024	10/15/2024	10/15/2024	10/15/2024	10/18/2024	10/18/2024	10/15/2024
					Sample Depth (ft bls):	8 - 8.5	8 - 8.5	1.5 - 2	1.5 - 2	1.5 - 2	1 - 1.5	1 - 1.5	3 - 3.5	4 - 4.5	0.5 - 1
					Normal Sample or Field Duplicate:	N	N	N	N	FD	N	N	N	N	N
Aluminum	--	--	--	MG/KG		NA	NA	6300	5250	6820	7320	6530	5260	5580	7390
Antimony	--	--	--	MG/KG		NA	NA	0.71 J	0.76 U	0.78 U	0.89	0.74 J	0.19 J	0.18 J	1.1
Arsenic	**13**	16	16	MG/KG		NA	NA	5.5	1.6	1.4	6.6	9.6	5.4	5.9	12.9
Barium	350	400	820	MG/KG		NA	NA	78.5	63.6	87.9	95.3	97.8	77.1	69.3	104
Beryllium	7.2	72	47	MG/KG		NA	NA	0.26 J	0.18 J	0.15 J	0.3 J	0.31 J	0.22 J	0.31 J	0.36
Cadmium	2.5	4.3	7.5	MG/KG		NA	NA	0.12 J	0.76 U	0.78 U	0.16 J	0.2 J	0.15 J	0.17 J	0.24 J
Calcium	--	--	--	MG/KG		NA	NA	28200	8100	11200	13700	7450	6670	8850	9910
Chromium, Total	**30**	180	--	MG/KG		NA	NA	21.3	19.3 J	**40.6 J**	20.8	25.6	19.7	13.8	29.2
Cobalt	--	--	--	MG/KG		NA	NA	5.2	4.1	5.7	6.3	5.7	4.6	5.4	6.4
Copper	**50**	270	1720	MG/KG		NA	NA	40.6	34.7	38.8	35.9	45.7	30.9	31.6	47.5
Iron	--	--	--	MG/KG		NA	NA	14000	10400	14600	15200	16500	13400	13000	16800
Lead	**63**	400	450	MG/KG		**378**	**449**	**150**	10	14.6	**105**	**163**	**125**	**126**	**231**
Magnesium	--	--	--	MG/KG		NA	NA	15800	4760	6420	7820	3090	3690	3200	3290
Manganese	1600	2000	2000	MG/KG		NA	NA	236	162	191	216	338	185	243	300
Mercury	**0.18**	0.81	0.73	MG/KG		NA	NA	**0.23**	0.017 U	0.0097 J	**0.29**	**0.28**	**1.7**	**1.2**	**0.37**
Nickel	**30**	310	130	MG/KG		NA	NA	14	9.8 J	16.1 J	14.3	15.7	12	11.9	16.2
Potassium	--	--	--	MG/KG		NA	NA	2300	2760 J	4290 J	2890	1810	1750	1400	1800
Selenium	3.9	180	4	MG/KG		NA	NA	0.22 J	0.14 J	0.97 U	0.33 J	0.35 J	0.31 J	0.34 J	0.38 J
Silver	2	180	8.3	MG/KG		NA	NA	0.31 U	0.3 U	0.31 U	0.33 U	0.076 J	0.35 U	0.37 U	0.11 J
Sodium	--	--	--	MG/KG		NA	NA	151	101	107	133	220	109	144	401
Thallium	--	--	--	MG/KG		NA	NA	0.14 J	0.16 J	0.24 J	0.17 J	0.13 J	0.12 J	0.094 J	0.13 J
Vanadium	--	--	--	MG/KG		NA	NA	22.7	20.9	31.4	26.3	23.2	17.4	17.6	23.8
Zinc	**109**	10000	2480	MG/KG		NA	NA	73.4	21.1	24.2	80.2	**118**	**290**	91.3	**112**

Table 7. Summary of Polychlorinated Biphenyls in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:	EP-1	EP-2	EP-3	EP-4	EP-5	EP-6	EP-7	EP-8	EP-9	EP-10	EP-10	EP-11	EP-12	EP-13
			Sample Date:	04/25/2023	04/27/2023	04/25/2023	04/27/2023	04/27/2023	06/05/2023	06/05/2023	06/23/2023	12/07/2023	04/25/2023	04/25/2023	04/25/2023	04/25/2023	04/25/2023
			Sample Depth (ft bls):	0.0 - 0.5	3.0 - 3.5	2.5 - 3.0	4.5 - 5.0	4.5 - 5.0	7.5 - 8.0	7.0 - 7.5	6.5 - 7.0	1.5 - 2.0	30 - 3.5	30 - 3.5	0.5 - 1.0	3.5 - 4.0	3.0 - 3.5
			Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units														
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.081 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U	0.078 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.081 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U	0.078 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.081 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U	0.078 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.081 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U	0.15
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.081 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U	0.078 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.081 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U	0.078 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.081 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U	0.078 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.081 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U	0.078 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.081 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U	0.078 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.081 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U	**0.15**

Table 7. Summary of Polychlorinated Biphenyls in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:		EP-14	EP-15	EP-16	EP-17	EP-18	EP-19	EP-20	EP-21	EP-22	EP-23	EP-24	EP-24	EP-25	EP-26
			Sample Date:		01/03/2024	11/10/2023	06/23/2023	06/23/2023	06/23/2023	07/17/2023	08/10/2023	08/10/2023	07/20/2023	07/20/2023	01/03/2024	01/03/2024	03/19/2024	01/03/2024
			Sample Depth (ft bls):		7.5 - 8.0	7.5 - 8.0	7.0 - 7.5	7.0 - 7.5	6.0 - 6.5	10.0 - 10.5	10 - 10.5	3 - 3.5	9.5 - 10.0	9.5 - 10.0	7.5 - 8.0	7.5 - 8.0	3.5 - 4.0	4.5 - 5.0
			Normal Sample or Field Duplicate:		N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units														
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.074 U	0.081 U	0.079 U	0.08 U	0.081 U	0.08 U	0.08 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.074 U	0.081 U	0.079 U	0.08 U	0.081 U	0.08 U	0.08 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.074 U	0.081 U	0.079 U	0.08 U	0.081 U	0.08 U	0.08 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.074 U	0.081 U	0.079 U	0.08 U	0.081 U	0.08 U	0.08 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.074 U	0.081 U	0.079 U	0.08 U	0.081 U	0.08 U	0.46
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.074 U	0.081 U	0.079 U	0.08 U	0.081 U	0.08 U	0.08 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.074 U	0.081 U	0.079 U	0.08 U	0.081 U	0.08 U	0.08 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.074 U	0.081 U	0.079 U	0.08 U	0.081 U	0.08 U	0.08 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.074 U	0.081 U	0.079 U	0.08 U	0.081 U	0.08 U	0.08 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.074 U	0.081 U	0.079 U	0.08 U	0.081 U	0.08 U	**0.46**

Table 7. Summary of Polychlorinated Biphenyls in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:		EP-27	EP-28	EP-29	EP-30	EP-31	EP-32	EP-33	EP-34	EP-35	EP-36	EP-37	EP-38	EP-39	EP-39
			Sample Date:		11/10/2023	01/29/2024	12/07/2023	11/10/2023	08/22/2023	08/10/2023	06/05/2023	09/15/2023	09/15/2023	11/10/2023	01/29/2024	05/09/2024	05/09/2024	05/09/2024
			Sample Depth (ft bls):		7.5 - 8.0	6.0 - 6.5	5.5 - 6.0	6.5 - 7.0	9.0 - 9.5	9 - 9.5	4.0 - 4.5	6.5 - 7.0	4.5 - 5.0	7.5 - 8.0	6.5 - 7.0	5.0 - 5.5	4.5 - 5.0	4.5 - 5.0
			Normal Sample or Field Duplicate:		N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units														
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.079 U	0.079 U	0.077 U	0.087 U	0.074 U	0.078 U	0.079 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.079 U	0.079 U	0.077 U	0.087 U	0.074 U	0.078 U	0.079 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.079 U	0.079 U	0.077 U	0.087 U	0.074 U	0.078 U	0.079 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.079 U	0.079 U	0.077 U	0.087 U	0.074 U	0.078 U	0.079 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.079 U	0.079 U	0.077 U	0.087 U	0.074 U	0.078 U	0.079 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.079 U	0.079 U	0.077 U	0.087 U	0.074 U	0.078 U	0.079 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.079 U	0.079 U	0.077 U	0.087 U	0.074 U	0.078 U	0.079 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.079 U	0.079 U	0.077 U	0.087 U	0.074 U	0.078 U	0.079 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.079 U	0.079 U	0.077 U	0.087 U	0.074 U	0.078 U	0.079 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.079 U	0.079 U	0.077 U	0.087 U	0.074 U	0.078 U	0.079 U

Table 7. Summary of Polychlorinated Biphenyls in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:		EP-40	EP-41	EP-42	EP-43	EP-44	EP-45	EP-46	EP-47	EP-48	EP-49	WF-A	WF-B	WF-B	WF-C
			Sample Date:		05/09/2024	05/09/2024	05/09/2024	01/29/2024	01/29/2024	12/07/2023	11/10/2023	11/10/2023	09/21/2023	09/15/2023	10/15/2024	10/15/2024	10/15/2024	10/15/2024
			Sample Depth (ft bls):		3.5 - 4.0	2.0 - 2.5	3.5 - 4.0	8.5 - 9.0	4.5 - 5.0	2.5 - 3.0	5.5 - 6.0	5.5 - 6.0	4.5 - 5.0	6.0 - 6.5	1.5 - 2	1.5 - 2	1.5 - 2	1 - 1.5
			Normal Sample or Field Duplicate:		N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units														
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.077 U	0.082 U	0.083 U	0.082 U	0.069 U	0.068 U	0.068 U	0.071 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.077 U	0.082 U	0.083 U	0.082 U	0.069 U	0.068 U	0.068 U	0.071 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.077 U	0.082 U	0.083 U	0.082 U	0.069 U	0.068 U	0.068 U	0.071 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.077 U	0.082 U	0.083 U	0.082 U	0.069 U	0.068 U	0.068 U	0.071 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.077 U	0.082 U	0.083 U	0.082 U	0.069 U	0.068 U	0.068 U	0.071 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.077 U	0.082 U	0.083 U	0.082 U	0.069 U	0.068 U	0.068 U	0.071 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.077 U	0.082 U	0.083 U	0.082 U	0.069 U	0.068 U	0.068 U	0.071 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.077 U	0.082 U	0.083 U	0.082 U	0.069 U	0.068 U	0.068 U	0.071 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.077 U	0.082 U	0.083 U	0.082 U	0.069 U	0.068 U	0.068 U	0.071 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.077 U	0.082 U	0.083 U	0.082 U	0.069 U	0.068 U	0.068 U	0.071 U

Table 7. Summary of Polychlorinated Biphenyls in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

				Sample Designation:	WF-D	WF-E	WF-F	WF-X
				Sample Date:	10/15/2024	10/18/2024	10/18/2024	10/15/2024
				Sample Depth (ft bls):	1 - 1.5	3 - 3.5	4 - 4.5	0.5 - 1
				Normal Sample or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units				
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.071 U	0.068 U	0.068 U	0.069 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.071 U	0.068 U	0.068 U	0.069 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.071 U	0.068 U	0.068 U	0.069 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.071 U	0.068 U	0.068 U	0.069 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.071 U	0.068 U	0.068 U	0.069 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.071 U	0.068 U	0.068 U	0.069 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.071 U	0.068 U	0.068 U	0.069 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.071 U	0.068 U	0.068 U	0.069 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.071 U	0.068 U	0.068 U	0.069 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.071 U	0.068 U	0.068 U	0.069 U

Table 8. Summary of Pesticides and Herbicides in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-1	EP-2	EP-3	EP-4	EP-5	EP-6	EP-7	EP-8	EP-9	EP-10	EP-10	EP-11	EP-12
					Sample Date:	04/25/2023	04/27/2023	04/25/2023	04/27/2023	04/27/2023	06/05/2023	06/05/2023	06/23/2023	12/07/2023	04/25/2023	04/25/2023	04/25/2023	04/25/2023
					Sample Depth (ft bls):	0.0 - 0.5	3.0 - 3.5	2.5 - 3.0	4.5 - 5.0	4.5 - 5.0	7.5 - 8.0	7.0 - 7.5	6.5 - 7.0	1.5 - 2.0	30 - 3.5	30 - 3.5	0.5 - 1.0	3.5 - 4.0
					Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	FD	N	N
Aldrin	0.005	0.097	0.19	MG/KG		0.0076 U	0.0079 U	0.0079 U	0.0078 U	0.0081 U	0.0081 U	0.0081 U	0.0071 U	0.0075 U	0.0077 U	0.0079 U	0.0077 U	0.0079 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG		0.0023 U	0.0024 U	0.0024 U	0.0023 U	0.0024 U	0.0024 U	0.0024 U	0.0021 U	0.0022 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U
Alpha Endosulfan	2.4	24	102	MG/KG		0.0076 U	0.0079 U	0.0079 U	0.0078 U	0.0081 U	0.0081 U	0.0081 U	0.0071 U	0.0075 U	0.0077 U	0.0079 U	0.0077 U	0.0079 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG		0.0023 U	0.0024 U	0.0024 U	0.0023 U	0.0024 U	0.0024 U	0.0024 U	0.0021 U	0.0022 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U
Beta Endosulfan	2.4	24	102	MG/KG		0.0076 U	0.0079 U	0.0079 U	0.0078 U	0.0081 U	0.0081 U	0.0081 U	0.0071 U	0.0075 U	0.0077 U	0.0079 U	0.0077 U	0.0079 U
Chlordane (Technical)	--	--	--	MG/KG		0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.081 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG		0.0023 U	0.0024 U	0.0024 U	0.0023 U	0.0024 U	0.0024 U	0.0024 U	0.0021 U	0.0022 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U
Dieldrin	0.005	0.2	0.1	MG/KG		0.0023 U	0.0024 U	0.0024 U	0.0023 U	0.0024 U	0.0024 U	0.0024 U	0.0021 U	0.0022 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U
Endosulfan Sulfate	2.4	24	1000	MG/KG		0.0076 U	0.0079 U	0.0079 U	0.0078 U	0.0081 U	0.0081 U	0.0081 U	0.0071 UT	0.0075 U	0.0077 U	0.0079 U	0.0077 U	0.0079 U
Endrin	0.014	11	0.06	MG/KG		0.0076 U	0.0079 U	0.0079 U	0.0078 U	0.0081 U	0.0081 U	0.0081 U	0.0071 UT	0.0075 U	0.0077 U	0.0079 U	0.0077 U	0.0079 U
Endrin Aldehyde	--	--	--	MG/KG		0.0076 U	0.0079 U	0.0079 U	0.0078 U	0.0081 U	0.0081 U	0.0081 U	0.0071 U	0.0075 U	0.0077 U	0.0079 U	0.0077 U	0.0079 U
Endrin Ketone	--	--	--	MG/KG		0.0076 U	0.0079 U	0.0079 U	0.0078 U	0.0081 U	0.0081 U	0.0081 U	0.0071 U	0.0075 U	0.0077 U	0.0079 U	0.0077 U	0.0079 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG		0.0023 U	0.0024 U	0.0024 U	0.0023 U	0.0024 U	0.0024 U	0.0024 U	0.0021 U	0.0022 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U
Heptachlor	0.042	2.1	0.38	MG/KG		0.0076 U	0.0079 U	0.0079 U	0.0078 U	0.0081 U	0.0081 U	0.0081 U	0.0071 U	0.0075 U	0.0077 U	0.0079 U	0.0077 U	0.0079 U
Heptachlor Epoxide	--	--	--	MG/KG		0.0076 U	0.0079 U	0.0079 U	0.0078 U	0.0081 U	0.0081 U	0.0081 U	0.0071 U	0.0075 U	0.0077 U	0.0079 U	0.0077 U	0.0079 U
Methoxychlor	--	--	--	MG/KG		0.0076 UT	0.0079 U	0.0079 UT	0.0078 U	0.0081 U	0.0081 U	0.0081 U	0.0071 U	0.0075 U	0.0077 UT	0.0079 UT	0.0077 UT	0.0079 UT
P,P'-DDD	0.0033	13	14	MG/KG		0.0032 J	0.0027 J	0.0079 U	0.0078 U	0.0081 U	0.0081 U	0.0081 U	0.0071 U	0.0075 U	0.0077 U	0.0079 U	0.0077 U	0.0079 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG		**0.015**	**0.0084**	0.0079 U	0.0078 U	0.0081 U	0.0081 U	0.0081 U	0.0071 U	0.0029 J	0.0077 U	0.0079 U	0.0077 U	0.0079 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG		**0.039 J**	**0.018 J**	**0.033**	0.0078 U	0.0081 U	0.0081 U	0.0081 U	0.0071 U	0.0032 J	**0.0054 J**	**0.0051 J**	**0.0034 J+**	0.0079 U
Toxaphene	--	--	--	MG/KG		0.076 U	0.079 U	0.079 U	0.078 U	0.081 U	0.081 U	0.081 U	0.071 U	0.075 U	0.077 U	0.079 U	0.077 U	0.079 U

Table 8. Summary of Pesticides and Herbicides in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-13	EP-14	EP-15	EP-16	EP-17	EP-18	EP-19	EP-20	EP-21	EP-22	EP-23	EP-24	EP-24
					Sample Date:	04/25/2023	01/03/2024	11/10/2023	06/23/2023	06/23/2023	06/23/2023	07/17/2023	08/10/2023	08/10/2023	07/20/2023	07/20/2023	01/03/2024	01/03/2024
					Sample Depth (ft bls):	3.0 - 3.5	7.5 - 8.0	7.5 - 8.0	7.0 - 7.5	7.0 - 7.5	6.0 - 6.5	10.0 - 10.5	10 - 10.5	3 - 3.5	9.5 - 10.0	9.5 - 10.0	7.5 - 8.0	7.5 - 8.0
					Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	FD
Aldrin	0.005	0.097	0.19	MG/KG		0.0078 U	0.0083 U	0.008 U	0.0078 U	0.0075 U	0.0071 U	0.0082 U	0.0072 U	0.0074 U	0.0081 U	0.0079 U	0.008 U	0.0081 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG		0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0022 U	0.0021 U	0.0024 U	0.0022 U	0.0022 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U
Alpha Endosulfan	2.4	24	102	MG/KG		0.0078 U	0.0083 U	0.008 U	0.0078 U	0.0075 U	0.0071 U	0.0082 U	0.0072 U	0.0074 U	0.0081 U	0.0079 U	0.008 U	0.0081 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG		0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0022 U	0.0021 U	0.0024 U	0.0022 U	0.0022 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U
Beta Endosulfan	2.4	24	102	MG/KG		0.0078 U	0.0083 U	0.008 U	0.0078 U	0.0075 U	0.0071 U	0.0082 U	0.0072 U	0.0074 U	0.0081 U	0.0079 U	0.008 U	0.0081 U
Chlordane (Technical)	--	--	--	MG/KG		0.078 U	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.074 U	0.081 U	0.079 U	0.08 U	0.081 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG		0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0022 U	0.0021 U	0.0024 U	0.0022 U	0.0022 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U
Dieldrin	0.005	0.2	0.1	MG/KG		0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0022 U	0.0021 U	0.0024 U	0.0022 U	0.0022 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U
Endosulfan Sulfate	2.4	24	1000	MG/KG		0.0078 U	0.0083 U	0.008 U	0.0078 UT	0.0075 UT	0.0071 UT	0.0082 U	0.0072 U	0.0074 U	0.0081 U	0.0079 U	0.008 U	0.0081 U
Endrin	0.014	11	0.06	MG/KG		0.0078 U	0.0083 U	0.008 U	0.0078 UT	0.0075 UT	0.0071 UT	0.0082 U	0.0072 U	0.0074 U	0.0081 U	0.0079 U	0.008 U	0.0081 U
Endrin Aldehyde	--	--	--	MG/KG		0.0078 U	0.0083 U	0.008 U	0.0078 U	0.0075 U	0.0071 U	0.0082 U	0.0072 U	0.0074 U	0.0081 U	0.0079 U	0.008 U	0.0081 U
Endrin Ketone	--	--	--	MG/KG		0.0078 U	0.0083 U	0.008 U	0.0078 U	0.0075 U	0.0071 U	0.0082 U	0.0072 U	0.0074 U	0.0081 U	0.0079 U	0.008 U	0.0081 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG		0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0022 U	0.0021 U	0.0024 U	0.0022 U	0.0022 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U
Heptachlor	0.042	2.1	0.38	MG/KG		0.0078 U	0.0083 U	0.008 U	0.0078 U	0.0075 U	0.0071 U	0.0082 U	0.0072 U	0.0074 U	0.0081 U	0.0079 U	0.008 U	0.0081 U
Heptachlor Epoxide	--	--	--	MG/KG		0.0078 U	0.0083 U	0.008 U	0.0078 U	0.0075 U	0.0071 U	0.0082 U	0.0072 U	0.0074 U	0.0081 U	0.0079 U	0.008 U	0.0081 U
Methoxychlor	--	--	--	MG/KG		0.0078 UT	0.0083 U	0.008 U	0.0078 U	0.0075 U	0.0071 U	0.0082 U	0.0072 U	0.0074 U	0.0081 U	0.0079 U	0.008 U	0.0081 U
P,P'-DDD	0.0033	13	14	MG/KG		0.0078 U	0.0083 U	0.008 U	0.0078 U	0.0075 U	0.0071 U	0.0082 U	0.0072 U	0.0074 U	0.0081 U	0.0079 U	0.008 U	0.0081 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG		0.0078 U	0.0083 U	0.008 U	0.0078 U	0.0075 U	0.0071 U	0.0082 U	0.0031 JP	0.0032 JP	**0.0039 J**	0.0079 U	0.008 U	0.0081 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG		0.0026 J	0.0083 UT	0.008 U	0.0078 U	0.0075 U	0.0071 U	0.0082 U	**0.012**	**0.0095**	**0.0036 J**	0.0079 U	0.008 UT	0.0081 UT
Toxaphene	--	--	--	MG/KG		0.078 U	0.083 U	0.08 U	0.078 U	0.075 U	0.071 U	0.082 U	0.072 U	0.074 U	0.081 U	0.079 U	0.08 U	0.081 U

Table 8. Summary of Pesticides and Herbicides in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-25	EP-26	EP-27	EP-28	EP-29	EP-30	EP-31	EP-32	EP-33	EP-34	EP-35	EP-36	EP-37
					Sample Date:	03/19/2024	01/03/2024	11/10/2023	01/29/2024	12/07/2023	11/10/2023	08/22/2023	08/10/2023	06/05/2023	09/15/2023	09/15/2023	11/10/2023	01/29/2024
					Sample Depth (ft bls):	3.5 - 4.0	4.5 - 5.0	7.5 - 8.0	6.0 - 6.5	5.5 - 6.0	6.5 - 7.0	9.0 - 9.5	9 - 9.5	4.0 - 4.5	6.5 - 7.0	4.5 - 5.0	7.5 - 8.0	6.5 - 7.0
					Normal Sample or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N
Aldrin	0.005	0.097	0.19	MG/KG		0.008 U	0.008 U	0.0078 U	0.0083 U	0.0075 U	0.0081 U	0.0082 U	0.0082 U	0.0081 U	0.0078 U	0.0079 U	0.0077 U	0.0087 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG		0.0024 U	0.0024 U	0.0023 U	0.0025 U	0.0022 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0023 U	0.0024 U	0.0023 U	0.0026 U
Alpha Endosulfan	2.4	24	102	MG/KG		0.008 U	0.008 U	0.0078 U	0.0083 U	0.0075 U	0.0081 U	0.0082 U	0.0082 U	0.0081 U	0.0078 U	0.0079 U	0.0077 U	0.0087 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG		0.0024 U	0.0024 U	0.0023 U	0.0025 U	0.0022 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0023 U	0.0024 U	0.0023 U	0.0026 U
Beta Endosulfan	2.4	24	102	MG/KG		0.008 U	0.008 U	0.0078 U	0.0083 U	0.0075 U	0.0081 U	0.0082 U	0.0082 U	0.0081 U	0.0078 U	0.0079 U	0.0077 U	0.0087 U
Chlordane (Technical)	--	--	--	MG/KG		0.08 U	0.08 U	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.078 U	0.079 U	0.077 U	0.087 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG		0.0024 U	0.0024 U	0.0023 U	0.0025 U	0.0022 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0023 U	0.0024 U	0.0023 U	0.0026 U
Dieldrin	0.005	0.2	0.1	MG/KG		0.0024 U	0.0024 U	0.0023 U	0.0025 U	0.0022 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0023 U	0.0024 U	0.0023 U	0.0026 U
Endosulfan Sulfate	2.4	24	1000	MG/KG		0.008 U	0.008 U	0.0078 U	0.0083 U	0.0075 U	0.0081 U	0.0082 U	0.0082 U	0.0081 U	0.0078 U	0.0079 U	0.0077 U	0.0087 U
Endrin	0.014	11	0.06	MG/KG		0.008 U	0.008 U	0.0078 U	0.0083 U	0.0075 U	0.0081 U	0.0082 U	0.0082 U	0.0081 U	0.0078 U	0.0079 U	0.0077 U	0.0087 U
Endrin Aldehyde	--	--	--	MG/KG		0.008 U	0.008 U	0.0078 U	0.0083 U	0.0075 U	0.0081 U	0.0082 U	0.0082 U	0.0081 U	0.0078 U	0.0079 U	0.0077 U	0.0087 U
Endrin Ketone	--	--	--	MG/KG		0.008 U	0.008 U	0.0078 U	0.0083 U	0.0075 U	0.0081 U	0.0082 U	0.0082 U	0.0081 U	0.0078 U	0.0079 U	0.0077 U	0.0087 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG		0.0024 U	0.0024 U	0.0023 U	0.0025 U	0.0022 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0023 U	0.0024 U	0.0023 U	0.0026 U
Heptachlor	0.042	2.1	0.38	MG/KG		0.008 U	0.008 U	0.0078 U	0.0083 U	0.0075 U	0.0081 U	0.0082 U	0.0082 U	0.0081 U	0.0078 U	0.0079 U	0.0077 U	0.0087 U
Heptachlor Epoxide	--	--	--	MG/KG		0.008 U	0.008 U	0.0078 U	0.0083 U	0.0075 U	0.0081 U	0.0082 U	0.0082 U	0.0081 U	0.0078 U	0.0079 U	0.0077 U	0.0087 U
Methoxychlor	--	--	--	MG/KG		0.008 U	0.008 U	0.0078 U	0.0083 U	0.0075 U	0.0081 U	0.0082 U	0.0082 U	0.0081 U	0.0078 U	0.0079 U	0.0077 U	0.0087 U
P,P'-DDD	0.0033	13	14	MG/KG		0.008 U	0.008 U	0.0078 U	0.0083 U	0.0075 U	0.0081 U	0.0082 U	0.0082 U	0.0081 U	0.0078 U	0.0079 U	0.0077 U	0.0087 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG		0.008 U	0.008 U	0.0078 U	0.0083 U	0.0075 U	0.0081 U	0.0082 U	0.0082 U	0.0081 U	0.0078 U	**0.0088**	0.0077 U	0.0087 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG		0.008 U	0.008 UT	0.0078 U	0.0083 U	0.0075 U	0.0081 U	0.0082 U	0.0082 U	0.0081 U	**0.0054 J**	**0.024**	0.0077 U	0.0087 U
Toxaphene	--	--	--	MG/KG		0.08 U	0.08 U	0.078 U	0.083 U	0.075 U	0.081 U	0.082 U	0.082 U	0.081 U	0.078 U	0.079 U	0.077 U	0.087 U

Table 8. Summary of Pesticides and Herbicides in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation:	EP-38	EP-39	EP-39	EP-40	EP-41	EP-42	EP-43	EP-44	EP-45	EP-46	EP-47	EP-48	EP-49
					Sample Date:	05/09/2024	05/09/2024	05/09/2024	05/09/2024	05/09/2024	05/09/2024	01/29/2024	01/29/2024	12/07/2023	11/10/2023	11/10/2023	09/21/2023	09/15/2023
					Sample Depth (ft bls):	5.0 - 5.5	4.5 - 5.0	4.5 - 5.0	3.5 - 4.0	2.0 - 2.5	3.5 - 4.0	8.5 - 9.0	4.5 - 5.0	2.5 - 3.0	5.5 - 6.0	5.5 - 6.0	4.5 - 5.0	6.0 - 6.5
					Normal Sample or Field Duplicate:	N	N	FD	N	N	N	N	N	N	N	N	N	N
Aldrin	0.005	0.097	0.19	MG/KG		0.0074 U	0.0078 U	0.0079 U	0.0073 U	0.0075 U	0.0079 U	0.0083 U	0.0078 U	0.0079 U	0.0077 U	0.0082 U	0.0083 U	0.0082 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG		0.0022 U	0.0023 U	0.0023 U	0.0022 U	0.0022 U	0.0024 U	0.0025 U	0.0023 U	0.0024 U	0.0023 U	0.0025 U	0.0025 U	0.0024 U
Alpha Endosulfan	2.4	24	102	MG/KG		0.0074 U	0.0078 U	0.0079 U	0.0073 U	0.0075 U	0.0079 U	0.0083 U	0.0078 U	0.0079 U	0.0077 U	0.0082 U	0.0083 U	0.0082 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG		0.0022 U	0.0023 U	0.0023 U	0.0022 U	0.0022 U	0.0024 U	0.0025 U	0.0023 U	0.0024 U	0.0023 U	0.0025 U	0.0025 U	0.0024 U
Beta Endosulfan	2.4	24	102	MG/KG		0.0074 U	0.0078 U	0.0079 U	0.0073 U	0.0075 U	0.0079 U	0.0083 U	0.0078 U	0.0079 U	0.0077 U	0.0082 U	0.0083 U	0.0082 U
Chlordane (Technical)	--	--	--	MG/KG		0.074 U	0.078 U	0.079 U	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.077 U	0.082 U	0.083 U	0.082 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG		0.0022 U	0.0023 U	0.0023 U	0.0022 U	0.0022 U	0.0024 U	0.0025 U	0.0023 U	0.0024 U	0.0023 U	0.0025 U	0.0025 U	0.0024 U
Dieldrin	0.005	0.2	0.1	MG/KG		0.0022 U	0.0023 U	0.0023 U	0.0022 U	0.0022 U	0.0024 U	0.0025 U	0.0023 U	0.0024 U	0.0023 U	0.0025 U	0.0025 U	0.0024 U
Endosulfan Sulfate	2.4	24	1000	MG/KG		0.0074 U	0.0078 U	0.0079 U	0.0073 U	0.0075 U	0.0079 U	0.0083 U	0.0078 U	0.0079 U	0.0077 U	0.0082 U	0.0083 U	0.0082 U
Endrin	0.014	11	0.06	MG/KG		0.0074 U	0.0078 U	0.0079 U	0.0073 U	0.0075 U	0.0079 U	0.0083 U	0.0078 U	0.0079 U	0.0077 U	0.0082 U	0.0083 U	0.0082 U
Endrin Aldehyde	--	--	--	MG/KG		0.0074 U	0.0078 U	0.0079 U	0.0073 U	0.0075 U	0.0079 U	0.0083 U	0.0078 U	0.0079 U	0.0077 U	0.0082 U	0.0083 U	0.0082 U
Endrin Ketone	--	--	--	MG/KG		0.0074 U	0.0078 U	0.0079 U	0.0073 U	0.0075 U	0.0079 U	0.0083 U	0.0078 U	0.0079 U	0.0077 U	0.0082 U	0.0083 U	0.0082 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG		0.0022 U	0.0023 U	0.0023 U	0.0022 U	0.0022 U	0.0024 U	0.0025 U	0.0023 U	0.0024 U	0.0023 U	0.0025 U	0.0025 U	0.0024 U
Heptachlor	0.042	2.1	0.38	MG/KG		0.0074 U	0.0078 U	0.0079 U	0.0073 U	0.0075 U	0.0079 U	0.0083 U	0.0078 U	0.0079 U	0.0077 U	0.0082 U	0.0083 U	0.0082 U
Heptachlor Epoxide	--	--	--	MG/KG		0.0074 U	0.0078 U	0.0079 U	0.0073 U	0.0075 U	0.0079 U	0.0083 U	0.0078 U	0.0079 U	0.0077 U	0.0082 U	0.0083 U	0.0082 U
Methoxychlor	--	--	--	MG/KG		0.0074 U	0.0078 U	0.0079 U	0.0073 U	0.0075 U	0.0079 U	0.0083 U	0.0078 U	0.0079 U	0.0077 U	0.0082 U	0.0083 U	0.0082 U
P,P'-DDD	0.0033	13	14	MG/KG		0.0074 U	0.0078 U	0.0079 U	0.0073 U	0.0075 U	0.0079 U	0.0083 U	0.0078 U	0.0079 U	0.0077 U	0.003 J	0.0083 U	0.0082 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG		0.0074 U	0.0078 U	0.0079 U	0.0073 U	0.0075 U	0.0079 U	0.0083 U	0.0078 U	0.0079 U	0.0077 U	**0.0063 J**	0.0083 U	0.0082 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG		0.0074 U	0.0078 U	0.0079 U	0.0073 U	0.0075 U	0.0079 U	0.0083 U	0.0078 U	0.0079 U	0.0077 U	**0.0066 J**	0.0083 U	**0.0035 J**
Toxaphene	--	--	--	MG/KG		0.074 U	0.078 U	0.079 U	0.073 U	0.075 U	0.079 U	0.083 U	0.078 U	0.079 U	0.077 U	0.082 U	0.083 U	0.082 U

Table 8. Summary of Pesticides and Herbicides in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

			Sample Designation:		WF-A	WF-B	WF-B	WF-C	WF-D	WF-E	WF-F	WF-X
			Sample Date:		10/15/2024	10/15/2024	10/15/2024	10/15/2024	10/15/2024	10/18/2024	10/18/2024	10/15/2024
			Sample Depth (ft bls):		1.5 - 2	1.5 - 2	1.5 - 2	1 - 1.5	1 - 1.5	3 - 3.5	4 - 4.5	0.5 - 1
			Normal Sample or Field Duplicate:		N	N	FD	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units								
Aldrin	0.005	0.097	0.19	MG/KG	0.0069 U	0.0068 U	0.0068 U	0.0071 U	0.0071 U	0.0068 U	0.0068 U	0.0069 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.002 U	0.0021 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.0069 U	0.0068 U	0.0068 U	0.0071 U	0.0071 U	0.0068 U	0.0068 U	0.0069 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.002 U	0.0021 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0069 U	0.0068 U	0.0068 U	0.0071 U	0.0071 U	0.0068 U	0.0068 U	0.0069 U
Chlordane (Technical)	--	--	--	MG/KG	0.069 U	0.068 U	0.068 U	0.071 U	0.071 U	0.068 U	0.068 U	0.069 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.002 U	0.0021 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.002 U	0.0021 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.0069 U	0.0068 U	0.0068 U	0.0071 U	0.0071 U	0.0068 U	0.0068 U	0.0069 U
Endrin	0.014	11	0.06	MG/KG	0.0069 U	0.0068 U	0.0068 U	0.0071 U	0.0071 U	0.0068 U	0.0068 U	0.0069 U
Endrin Aldehyde	--	--	--	MG/KG	0.0069 U	0.0068 U	0.0068 U	0.0071 U	0.0071 U	0.0068 U	0.0068 U	0.0069 U
Endrin Ketone	--	--	--	MG/KG	0.0069 U	0.0068 U	0.0068 U	0.0071 U	0.0071 U	0.0068 U	0.0068 U	0.0069 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.0021 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.002 U	0.0021 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.0069 U	0.0068 U	0.0068 U	0.0071 U	0.0071 U	0.0068 U	0.0068 U	0.0069 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0069 U	0.0068 U	0.0068 U	0.0071 U	0.0071 U	0.0068 U	0.0068 U	0.0069 U
Methoxychlor	--	--	--	MG/KG	0.0069 U	0.0068 U	0.0068 U	0.0071 U	0.0071 U	0.0068 U	0.0068 U	0.0069 U
P,P'-DDD	0.0033	13	14	MG/KG	0.0069 U	0.0068 U	0.0068 U	0.0071 U	0.0071 U	0.0068 U	0.0068 U	0.0069 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.002 J	0.0068 U	0.0068 U	0.0071 U	**0.0043 J**	0.0068 U	0.0068 U	0.0069 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	**0.0097**	0.0068 U	0.0068 U	**0.0056 J**	**0.0063 J**	**0.0042 J+**	0.0024 J	**0.0038 J**
Toxaphene	--	--	--	MG/KG	0.069 U	0.068 U	0.068 U	0.071 U	0.071 U	0.068 U	0.068 U	0.069 U

Table 9. Summary of TCLP Metals in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

Sample Designation:			HS1_B	HS1_SW1	HS1_SW2	HS1_SW3	HS1_SW4	HS1_SW5	HS1_SW6	HS2_B	HS2_SW1	HS2_SW2	HS2_SW5	HS2_SW6	HS2_SW10	HS2_SW12	HS2_SW14	HS2_SW15	HS2_SW16
Sample Date:			09/07/2022	09/07/2022	09/07/2022	09/07/2022	09/07/2022	09/07/2022	09/07/2022	11/17/2022	11/17/2022	11/17/2022	11/17/2022	11/17/2022	11/30/2022	12/12/2022	12/28/2022	12/28/2022	12/28/2022
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	USEPA Regulatory Levels (mg/L)	Units																	
Lead	**5**	MG/L	0.012 U	0.386	0.176	0.207	0.0816	0.359	0.0749	0.447	0.588	0.361	0.948	1.35	3.88	3.34	0.802	0.475	0.369

Table 9. Summary of TCLP Metals in Endpoint Soil Samples, 1 Java Street, Brooklyn, New York

		Sample Designation:	HS2_SW17
		Sample Date:	12/28/2022
		Normal Sample or Field Duplicate:	N
Parameter	USEPA Regulatory Levels (mg/L)	Units	
Lead	**5**	MG/L	0.897

Table 10. Monitoring Well Construction Details, 1 Java Street, Brooklyn, New York

Monitoring Well ID	Well Location	Coordinates (longitude/latitude) (NAD83)	Well Diameter (inches)	Elevation (NAVD88)		Depth (ft bls)	
				Casing	Surface	Screen Top	Screen Bottom
MW-1	Upgradient	40.7313° N, 73.9596° W	2	14.13	16.7	7	17
MW-2	Downgradient	40.7315° N, 73.9615° W	2	8.44	8.74	2	12
MW-3	Downgradient	40.7311° N, 73.9614° W	2	8.6	8.84	2	12

Table 11. Summary of Volatile Organic Compounds in Groundwater, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Ambient Groundwater Standards and Guidance Values	Units	Sample Designation: MW-1	MW-2	MW-3	MW-3
			Sample Date: 05/30/2025	05/30/2025	05/30/2025	05/30/2025
			Normal Sample or Field Duplicate: N	N	N	FD
1,1,1-Trichloroethane (TCA)	5	UG/L	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	UG/L	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	UG/L	0.58 U	0.58 U	0.58 U	0.58 U
1,1-Dichloroethane	5	UG/L	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	UG/L	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	UG/L	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	UG/L	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	UG/L	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	1 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	UG/L	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	UG/L	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloropropane	1	UG/L	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	UG/L	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	UG/L	1 U	1 U	1 U	1 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U
Acetone	50	UG/L	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.45 U	0.45 U	0.45 U	0.45 U
Bromochloromethane	5	UG/L	1 U	1 U	1 U	1 U
Bromodichloromethane	50	UG/L	0.98 U	0.98 U	0.98 U	0.98 U
Bromoform	50	UG/L	1 U	1 U	1 U	1 U
Bromomethane	5	UG/L	1 U	1 U	1 U	1 U
Carbon Disulfide	60	UG/L	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	UG/L	1 U	1 U	1 U	1 U
Chlorobenzene	5	UG/L	1 U	1 U	1 U	1 U
Chloroethane	5	UG/L	1 U	1 U	1 U	1 U
Chloroform	7	UG/L	1.8	1 U	0.41 J	0.34 J
Chloromethane	5	UG/L	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	UG/L	1 U	1 U	1 U	1 U

Table 11. Summary of Volatile Organic Compounds in Groundwater, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Ambient Groundwater Standards and Guidance Values	Units	MW-1	MW-2	MW-3	MW-3
Sample Designation:			MW-1	MW-2	MW-3	MW-3
Sample Date:			05/30/2025	05/30/2025	05/30/2025	05/30/2025
Normal Sample or Field Duplicate:			N	N	N	FD
Cis-1,3-Dichloropropene	--	UG/L	0.45 U	0.45 U	0.45 U	0.45 U
Cyclohexane	--	UG/L	1 U	1 U	1 U	1 U
Dibromochloromethane	50	UG/L	0.78 U	0.78 U	0.78 U	0.78 U
Dichlorodifluoromethane	5	UG/L	1 U	1 U	1 U	1 U
Ethylbenzene	5	UG/L	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	UG/L	1 U	1 U	1 U	1 U
m,p-Xylene	5	UG/L	1 U	1 U	1 U	1 U
Methyl Acetate	--	UG/L	5 U	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U
Methylcyclohexane	--	UG/L	1 U	1 U	1 U	1 U
Methylene Chloride	5	UG/L	1 U	1 U	1 U	1 U
N-Butylbenzene	5	UG/L	1 U	1 U	1 U	1 U
N-Propylbenzene	5	UG/L	1 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	1 U	1 U	1 U	1 U
Sec-Butylbenzene	5	UG/L	1 U	1 U	1 U	1 U
Styrene	5	UG/L	1 U	1 U	1 U	1 U
T-Butylbenzene	5	UG/L	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	10	UG/L	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	5	UG/L	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	5	UG/L	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	UG/L	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	--	UG/L	0.45 U	0.45 U	0.45 U	0.45 U
Trichloroethylene (TCE)	5	UG/L	0.28 U	0.28 U	0.28 U	0.28 U
Trichlorofluoromethane	5	UG/L	1 U	1 U	1 U	1 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U
Xylenes	5	UG/L	2 U	2 U	2 U	2 U

Table 12. Summary of Semivolatile Organic Compounds in Groundwater, 1 Java Street, Brooklyn, New York

Parameter	NYSDEC Ambient Groundwater Standards and Guidance Values	Units	MW-1	MW-2	MW-3	MW-3
Sample Designation:			MW-1	MW-2	MW-3	MW-3
Sample Date:			05/30/2025	05/30/2025	05/30/2025	05/30/2025
Normal Sample or Field Duplicate:			N	N	N	FD
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	0.2 UT	0.2 UT	0.2 UT	0.2 UT
2,3,4,6-Tetrachlorophenol	--	UG/L	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	--	UG/L	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	--	UG/L	3 U	3 U	3 U	3 U
2,4-Dichlorophenol	5	UG/L	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50	UG/L	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10	UG/L	40 U	40 U	40 U	40 U
2,4-Dinitrotoluene	5	UG/L	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	5	UG/L	2 U	2 U	2 U	2 U
2-Chloronaphthalene	10	UG/L	10 U	10 U	10 U	10 U
2-Chlorophenol	--	UG/L	10 U	10 U	10 U	10 U
2-Methylnaphthalene	--	UG/L	10 U	10 U	10 U	10 U
2-Methylphenol (O-Cresol)	--	UG/L	10 U	10 U	10 U	10 U
2-Nitroaniline	5	UG/L	10 U	10 U	10 U	10 U
2-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L	5.2 U	5.2 UJ	5.2 U	5.2 U
3-Nitroaniline	5	UG/L	10 U	10 UJ	10 U	10 U
4,6-Dinitro-2-Methylphenol	--	UG/L	20 U	20 U	20 U	20 U
4-Bromophenyl Phenyl Ether	--	UG/L	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	--	UG/L	10 U	10 U	10 U	10 U
4-Chloroaniline	5	UG/L	5 U	5 UJ	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	UG/L	10 U	10 U	10 U	10 U
4-Methylphenol (P-Cresol)	--	UG/L	10 U	10 U	10 U	10 U
4-Nitroaniline	5	UG/L	10 U	10 U	10 U	10 U
4-Nitrophenol	--	UG/L	20 U	20 U	20 U	20 U
Acenaphthene	20	UG/L	10 U	10 U	10 U	10 U
Acenaphthylene	20	UG/L	10 U	10 U	10 U	10 U
Acetophenone	--	UG/L	10 U	10 U	10 U	10 U
Anthracene	50	UG/L	10 U	10 U	10 U	10 U
Atrazine	7.5	UG/L	2 UT	2 UT	2 UT	2 UT

Table 12. Summary of Semivolatile Organic Compounds in Groundwater, 1 Java Street, Brooklyn, New York

		Sample Designation:	MW-1	MW-2	MW-3	MW-3
		Sample Date:	05/30/2025	05/30/2025	05/30/2025	05/30/2025
		Normal Sample or Field Duplicate:	N	N	N	FD
Parameter	NYSDEC Ambient Groundwater Standards and Guidance Values	Units				
Benzaldehyde	--	UG/L	10 UT	10 UT	10 UT	10 UT
Benzo(A)Anthracene	0.002	UG/L	1 U	1 U	1 U	1 U
Benzo(A)Pyrene	0	UG/L	1 U	1 U	1 U	1 U
Benzo(B)Fluoranthene	0.002	UG/L	2 U	2 U	2 U	2 U
Benzo(G,H,I)Perylene	--	UG/L	10 U	10 U	10 U	10 U
Benzo(K)Fluoranthene	0.002	UG/L	1 U	1 U	1 U	1 U
Benzyl Butyl Phthalate	50	UG/L	10 U	10 U	10 U	10 U
Biphenyl (Diphenyl)	5	UG/L	5 U	5 U	5 U	5 U
Bis(2-Chloroethoxy) Methane	5	UG/L	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	1 U	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	2 U	2 U	2 U	2 U
Caprolactam	--	UG/L	10 U	10 U	10 U	10 U
Carbazole	--	UG/L	10 U	10 U	10 U	10 U
Chrysene	0.002	UG/L	2 U	2 U	2 U	2 U
Cresols, M & P	--	UG/L	10 U	10 U	10 U	10 U
Dibenz(A,H)Anthracene	--	UG/L	1 U	1 U	1 U	1 U
Dibenzofuran	--	UG/L	10 U	10 U	10 U	10 U
Diethyl Phthalate	50	UG/L	10 U	10 U	10 U	10 U
Dimethyl Phthalate	50	UG/L	10 U	10 U	10 U	10 U
Di-N-Butyl Phthalate	50	UG/L	10 U	10 U	10 U	10 U
Di-N-Octylphthalate	--	UG/L	10 U	10 U	10 U	10 U
Fluoranthene	50	UG/L	10 U	10 U	10 U	10 U
Fluorene	50	UG/L	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	UG/L	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5	UG/L	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	5	UG/L	10 U	10 U	10 U	10 U
Hexachloroethane	5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	2 U	2 U	2 U	2 U
Isophorone	50	UG/L	10 U	10 U	10 U	10 U
Naphthalene	10	UG/L	2 U	2 U	2 U	2 U

Table 12. Summary of Semivolatile Organic Compounds in Groundwater, 1 Java Street, Brooklyn, New York

		Sample Designation:	MW-1	MW-2	MW-3	MW-3
		Sample Date:	05/30/2025	05/30/2025	05/30/2025	05/30/2025
		Normal Sample or Field Duplicate:	N	N	N	FD
Parameter	NYSDEC Ambient Groundwater Standards and Guidance Values	Units				
Nitrobenzene	0.4	UG/L	1 U	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	--	UG/L	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	50	UG/L	10 U	10 U	10 U	10 U
Pentachlorophenol	1	UG/L	20 U	20 U	20 U	20 U
Phenanthrene	50	UG/L	10 U	10 U	10 U	10 U
Phenol	1	UG/L	10 U	10 U	10 U	10 U
Pyrene	50	UG/L	10 U	10 U	10 U	10 U

Table 13. Summary of Metals in Groundwater, 1 Java Street, Brooklyn, New York

Sample Designation:			MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	MW-3	MW-3
Sample Date:			05/30/2025	05/30/2025	05/30/2025	05/30/2025	05/30/2025	05/30/2025	05/30/2025	05/30/2025
Normal Sample or Field Duplicate:			N	N	N	N	N	N	FD	FD
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Groundwater Standards and Guidance Values	Units								
Aluminum	--	UG/L	1440	40 U	40 U	40 UJ	641	40 U	509	40 U
Antimony	**3**	UG/L	0.58 J	2 U	2 U	2 U	**3.6**	**3.7**	**4**	**4.2**
Arsenic	25	UG/L	1.3 J	2 U	9.3	2.3	3.9	2.7	4.4	2.8
Barium	1000	UG/L	113	110	117	94.6	251	238	253	241
Beryllium	3	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	UG/L	0.92 U	0.92 U	0.92 U	0.92 U	0.3 J	0.92 U	0.44 J	0.92 U
Calcium	--	UG/L	89700	87000	125000	114000	214000	203000	210000	207000
Chromium, Total	50	UG/L	7 J+	4 U	4 U	4 U	4.2 J+	4 U	3.1 J	4 U
Cobalt	--	UG/L	2.8	1.1 J	0.68 J	0.57 J	2.5	1.6 J	2.3	1.5 J
Copper	200	UG/L	8.7	4 U	4 U	4 U	37	24.6	34.3	26.9
Iron	**300**	UG/L	**3500**	120 U	**7190**	120 U	**1280**	37.2 J	**1000**	37.7 J
Lead	**25**	UG/L	5.4	1.2 U	1.2 U	1.2 U	**41.7**	6.9	**38.9**	7.3
Magnesium	**35000**	UG/L	28500	26400	**46800**	**45200**	**45400**	**42800**	**45400**	**43700**
Manganese	**300**	UG/L	**1190**	**1070**	**421**	**398**	**730**	**689**	**732**	**694**
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	6	4 U	4 U	4 U	12.4	8.4	11.5	9
Potassium	--	UG/L	5210	4960	27900	28800	72800	69900	73000	72800
Selenium	10	UG/L	2.1 J	1.8 J	0.54 J	2.5 U	1.5 J	1.5 J	1.1 J	1.1 J
Silver	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Sodium	**20000**	UG/L	**216000**	**212000**	**242000**	**238000**	**278000**	**275000**	**276000**	**274000**
Thallium	0.5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vanadium	--	UG/L	4.8	4 U	4 U	4 U	4.8	2.2 J	4.8	2.3 J
Zinc	2000	UG/L	12.2 J	16 U	16 U	16 U	27	10.1 J	25.1	8.9 J

Table 14. Summary of Polychlorinated Biphenyls in Groundwater, 1 Java Street, Brooklyn, New York

		Sample Designation:	MW-1	MW-2	MW-3	MW-3
		Sample Date:	05/30/2025	05/30/2025	05/30/2025	05/30/2025
		Normal Sample or Field Duplicate:	N	N	N	FD
Parameter	NYSDEC Ambient Groundwater Standards and Guidance Values	Units				
PCB-1016 (Aroclor 1016)	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
Polychlorinated Biphenyl (PCBs)	0.09	UG/L	0.2 U	0.2 U	0.2 U	0.2 U

Table 15. Summary of Pesticides and Herbicides in Groundwater, 1 Java Street, Brooklyn, New York

		Sample Designation:	MW-1	MW-2	MW-3	MW-3
		Sample Date:	05/30/2025	05/30/2025	05/30/2025	05/30/2025
		Normal Sample or Field Duplicate:	N	N	N	FD
Parameter	NYSDEC Ambient Groundwater Standards and Guidance Values	Units				
Aldrin	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Endosulfan	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Beta Endosulfan	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Chlordane (Technical)	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
cis-Chlordane	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	5	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Ketone	5	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	0.05	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	0.03	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Methoxychlor	35	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDD	0.3	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDE	0.2	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDT	0.2	UG/L	0.02 U	0.02 U	0.02 U	0.02 U
Toxaphene	0.06	UG/L	0.5 U	0.5 U	0.5 U	0.5 U

Table 16. Summary of Volatile Organic Compounds in Soil Vapor and Indoor Air, 1 Java Street, Brooklyn, New York

Sample Designation:		IA-1	IA-2	IA-3	IA-3	IA-3	IA-3	IA-4	IA-4	IA-4	IA-5	IA-7	IA-7	IA-8	IA-9	SVMP-1	SVMP-2
Sample Date:		07/25/2025	07/25/2025	07/25/2025	09/29/2025	11/19/2025	11/19/2025	07/25/2025	09/26/2025	11/19/2025	07/25/2025	07/25/2025	11/19/2025	11/19/2025	11/19/2025	07/25/2025	07/25/2025
Parameter	Units																
1,1,1-Trichloroethane (TCA)	UG/M3	1.1 U	1.1 U	1.1 U	1.09 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	2.2 U
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.37 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.9 U	2.7 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	**0.63 J**	**0.61 J**	**0.61 J**	1.53 U	**0.57 J**	**0.53 J**	**0.64 J**	1.5 U	**0.56 J**	**0.63 J**	**0.63 J**	**0.61 J**	**0.61 J**	**26**	7.7 U	3.1 U
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 U	1.1 U	1.09 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	2.2 U
1,1-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4 U	1.6 U
1,1-Dichloroethene	UG/M3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.4 U
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U	3.7 U	3.71 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	19 U	7.4 U
1,2,4-Trimethylbenzene	UG/M3	**0.91 J**	**1**	**4.6**	**18**	**1.5**	**1.6**	**5.7**	**13**	0.98 U	**1.1**	**0.53 J**	**1.2**	**7.8**	**1.2**	4.9 U	**2.8**
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.5 U	1.5 U	1.5 U	1.54 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	7.7 U	3.1 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6 U	2.4 U
1,2-Dichloroethane	UG/M3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	4 U	1.6 U
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	4.6 U	1.8 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**5.6**	7 U	2.8 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.98 U	0.98 U	**1.1**	**4.49**	0.98 U	0.98 U	**0.65 J**	**1.6**	0.98 U	0.98 U	0.98 U	0.98 U	**1.8**	0.98 U	4.9 U	2 U
1,3-Butadiene	UG/M3	0.44 U	**0.12 J**	**0.088 J**	0.44 U	0.44 U	0.44 U	**0.16 J**	0.44 U	0.44 U	**0.23 J**	0.44 U	0.44 U	0.44 U	0.44 U	2.2 U	**0.39 J**
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6 U	2.4 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	6 U	2.4 U
1,4-Dioxane (P-Dioxane)	UG/M3	**0.7 J**	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	90 U	36 U
2,2,4-Trimethylpentane	UG/M3	**0.7 J**	**0.64 J**	**0.77 J**	**0.49 J**	**0.51 J**	**0.51 J**	**0.98**	**2.6**	0.93 U	**1.2**	**0.97**	**0.37 J**	**0.43 J**	**0.34 J**	**16**	1.9 U
2-Chlorotoluene	UG/M3	1 U	1 U	1 U	1.04 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.2 U	2.1 U
2-Hexanone	UG/M3	2 U	2 U	2 U	2.05 U	2.1 U	2.1 U	2 U	**1.6 J**	2.1 U	2 U	2 U	2.1 U	2.1 U	2.1 U	10 U	4.1 U
4-Ethyltoluene	UG/M3	0.98 U	0.98 U	**0.81 J**	0.98 U	**0.93 J**	**0.94 J**	**0.49 J**	0.98 U	0.98 U	0.98 U	0.98 U	**0.86 J**	**4.8**	**0.84 J**	4.9 U	2 U
Acetone	UG/M3	**33**	**130 D**	**190 D**	**22.9**	**25**	**31**	**120 D**	**730 D**	**13**	**180 D**	**41**	**14**	**12**	**61 D**	**1500 D**	**370 D**
Allyl Chloride (3-Chloropropene)	UG/M3	1.6 U	1.6 U	1.6 U	1.57 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	3.1 U
Benzene	UG/M3	**0.7**	**0.77**	**0.93**	**0.46 J**	**0.51 J**	**0.51 J**	**0.96**	**2**	**0.37 J**	**1.6**	**0.59 J**	**0.47 J**	**0.48 J**	**0.51 J**	**3.6**	**0.64 J**
Benzyl Chloride	UG/M3	1 U	1 U	1 U	1.04 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.2 U	2.1 U
Bromodichloromethane	UG/M3	1.3 U	1.3 U	1.3 U	1.34 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.7 U	2.7 U
Bromoform	UG/M3	2.1 U	2.1 U	2.1 U	2.07 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	10 U	4.1 U
Bromomethane	UG/M3	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	3.9 U	1.6 U
Butane	UG/M3	**4.2**	**2.1**	**130 D**	**2.97**	**4.2**	**4**	**30**	**31**	**3.4**	**42**	**5.3**	**3.2**	**3.2**	**6.9**	**6.9**	**6.9**
Carbon Disulfide	UG/M3	**0.61 J**	**21**	**1.9**	1.56 U	1.6 U	1.6 U	**7.6**	1.6 U	1.6 U	**17**	1.6 U	1.6 U	1.6 U	1.6 U	**6.9 J**	**4.4**
Carbon Tetrachloride	UG/M3	**0.54**	**0.51**	**0.53**	**0.48**	**0.44**	**0.45**	**0.53**	**0.54**	0.22 U	**0.54**	**0.53**	**0.49**	**0.52**	**3.7**	1.1 U	**0.5**
Chlorobenzene	UG/M3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	**0.49 J**	4.6 U	1.8 U
Chlorodifluoromethane	UG/M3	**1.7 J**	**1.6 J**	**1.7 J**	**1.29 J**	1.8 U	1.8 U	**1.8**	1.8 U	1.8 U	**1.6 J**	**1.7 J**	1.8 U	1.8 U	1.8 U	8.8 U	**3 J**
Chloroethane	UG/M3	1.3 U	1.3 U	1.3 U	1.32 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	6.6 U	2.6 U
Chloroform	UG/M3	**0.35 J**	**0.29 J**	**0.46 J**	0.98 U	**0.43 J**	**0.43 J**	**1.1**	**2.2**	**0.85 J**	**0.31 J**	0.98 U	0.98 U	0.98 U	**1.1**	4.9 U	**9.3**
Chloromethane	UG/M3	**1.9**	**2.1**	**2.1**	**1.2**	**0.31 J**	1 U	**2.9**	**1.5**	1 U	**1.9**	**1.9**	1 U	1 U	1 U	**87**	**3.5**
Cis-1,2-Dichloroethylene	UG/M3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.15 J**	0.2 U	0.2 U	0.2 U	**0.28**	**1.1**	0.4 U
Cis-1,3-Dichloropropene	UG/M3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	1.8 U
Cyclohexane	UG/M3	**0.34 J**	**0.25 J**	**2.6**	**0.61 J**	**1.4**	**1.4**	**38**	**21**	**0.27 J**	**4.3**	**2.3**	**0.29 J**	**0.38 J**	**0.41 J**	**34**	**33**
Cymene	UG/M3	1.1 U	1.1 U	**0.5 J**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	**0.61 J**	1.1 U	1.1 U	1.1 U	1.1 U	**2.7 J**	2.2 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	8.5 U	3.4 U
Dichlorodifluoromethane	UG/M3	**3**	**2.9**	**2.9**	**2.22 J**	**2.6**	**2.6**	**2.9**	**2.4 J**	**2.6**	**2.9**	**2.7**	**2.3 J**	**2.5**	**2.1 J**	12 U	**3.3 J**
Ethylbenzene	UG/M3	**0.4 J**	**0.38 J**	**1.7**	**1.45**	**1.1**	**1.1**	**1.3**	**7.4**	0.87 U	**2**	**1.1**	**0.69 J**	**1.4**	**1.7**	**12**	**2.4**
Hexachlorobutadiene	UG/M3	**1.7 J**	2.1 U	2.1 U	2.13 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	11 U	4.3 U
Isopropanol	UG/M3	**15**	12 U	**30**	12.3 U	12 U	12 U	**8.6 J**	**19**	12 U	**11 J**	12 U	12 U	12 U	**5 J**	**50 J**	25 U
Isopropylbenzene (Cumene)	UG/M3	0.98 U	0.98 U	0.98 U	**0.92 J**	0.98 U	0.98 U	**0.68 J**	**1.7**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	4.9 U	**6**
m,p-Xylene	UG/M3	**1.1 J**	**1.2 J**	**6.8**	**6.2**	**5.2**	**5.2**	**4.2**	**30**	2.2 U	**8.1**	**6.1**	**3.3**	**5.9**	**5**	**16**	**5.4**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**4**	**3.9**	**7.9**	**1.46 J**	1.5 U	**2.8**	**7.7**	**28**	1.5 U	**4**	**4.2**	1.5 U	1.5 U	**7.5**	**15**	**2.5 J**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	2 U	2 U	2 U	**0.53 J**	2.1 U	2.1 U	2 U	**8.7**	2.1 U	2 U	2 U	2.1 U	2.1 U	2.1 U	**5.6 J**	4.1 U
Methyl Methacrylate	UG/M3	2 U	**200 D**	**11**	2.05 U	**0.65 J**	**0.7 J**	**1.2 J**	**38**	2.1 U	**3.2**	**0.81 J**	**0.61 J**	2.1 U	**2.1**	**6 J**	**86**
Methylene Chloride	UG/M3	**0.76 J**	**3.1**	**0.77 J**	**0.81 J**	**0.66 J**	1.7 U	**0.96 J**	**0.74 J**	**0.64 J**	**0.74 J**	**0.68 J**	**0.9 J**	1.7 U	**0.68 J**	8.7 U	3.5 U

Table 16. Summary of Volatile Organic Compounds in Soil Vapor and Indoor Air, 1 Java Street, Brooklyn, New York

Sample Designation:		IA-1	IA-2	IA-3	IA-3	IA-3	IA-3	IA-4	IA-4	IA-4	IA-5	IA-7	IA-7	IA-8	IA-9	SVMP-1	SVMP-2
Sample Date:		07/25/2025	07/25/2025	07/25/2025	09/29/2025	11/19/2025	11/19/2025	07/25/2025	09/26/2025	11/19/2025	07/25/2025	07/25/2025	11/19/2025	11/19/2025	11/19/2025	07/25/2025	07/25/2025
Parameter	Units																
Naphthalene	UG/M3	**0.79 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	4 U
N-Butylbenzene	UG/M3	1.1 U	1.1 U	**0.47 J**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	2.2 U
N-Heptane	UG/M3	**0.84**	**1.2**	**1.9**	0.82 U	0.82 U	0.82 U	**1.4**	**3.9**	0.82 U	**1.6**	**0.89**	0.82 U	0.82 U	0.82 U	**170**	**2.1**
N-Hexane	UG/M3	**0.95 J**	**1.9**	**40**	**0.47 J**	**0.51 J**	**0.64 J**	**6.6**	**5.1**	1.8 U	**11**	**1.7 J**	**0.48 J**	**0.46 J**	**0.69 J**	**7.7 J**	3.5 U
N-Propylbenzene	UG/M3	0.98 U	0.98 U	**0.72 J**	**1.62**	0.98 U	0.98 U	**0.34 J**	**0.66 J**	0.98 U	0.98 U	0.98 U	0.98 U	**0.89 J**	0.98 U	4.9 U	**2.7**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**0.42 J**	**0.46 J**	**3.2**	**2.17**	**1.6**	**1.6**	**1.8**	**8.3**	0.87 U	**2.3**	**1.3**	**0.88**	**1.5**	**1.1**	4.3 U	**2.5**
Sec-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	**1 J**
Styrene	UG/M3	**0.46 J**	0.85 U	**15**	**1.65**	**0.95**	**0.84 J**	**2.2**	**11**	0.85 U	**5.5**	**0.38 J**	0.85 U	0.85 U	**4**	4.3 U	**24**
T-Butylbenzene	UG/M3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	5.5 U	2.2 U
Tert-Butyl Alcohol	UG/M3	15 U	15 U	15 U	15.2 U	15 U	15 U	15 U	**8.6 J**	15 U	15 U	15 U	15 U	15 U	15 U	**47 J**	**19 J**
Tert-Butyl Methyl Ether	UG/M3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	3.6 U	1.4 U
Tetrachloroethylene (PCE)	UG/M3	**2**	1.4 U	1.4 U	1.36 U	**3.1**	1.4 U	**0.38 J**	1.4 U	**12**	1.4 U	**0.5 J**	**7.3**	**20**	**18**	**520**	**5**
Tetrahydrofuran	UG/M3	15 U	15 U	15 U	14.7 U	15 U	15 U	15 U	**6.4 J**	15 U	15 U	15 U	15 U	15 U	15 U	74 U	29 U
Toluene	UG/M3	**2.1**	**2.4**	**54**	**2.44**	**1.3**	**1.2**	**4.4**	**22**	**0.29 J**	**18**	**1.8**	**1.1**	**1**	**3**	**40**	**4.1**
Trans-1,2-Dichloroethene	UG/M3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	4 U	**0.28 J**
Trans-1,3-Dichloropropene	UG/M3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	4.5 U	1.8 U
Trichloroethylene (TCE)	UG/M3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**8.1**	**0.82**
Trichlorofluoromethane	UG/M3	**1.7**	**1.6**	**1.7**	**1.21**	**1.3**	**1.3**	**1.7**	**1.2**	**1.3**	**1.7**	**1.7**	**1.4**	**1.2**	**15**	5.6 U	**12**
Vinyl Bromide	UG/M3	0.87 U	0.87 U	0.87 U	0.88 U	0.88 U	0.88 U	0.87 U	0.88 U	0.88 U	0.87 U	0.87 U	0.88 U	0.88 U	0.88 U	4.4 U	1.7 U
Vinyl Chloride	UG/M3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.6**	0.4 U

Table 16. Summary of Volatile Organic Compounds in Soil Vapor and Indoor Air, 1 Java Street, Brooklyn, New York

Sample Designation:		SVMP-3	SVMP-3	SVMP-3	SVMP-4	SVMP-4	SVMP-4	SVMP-5	SVMP-6	SVMP-7	SVMP-7	SVMP-8
Sample Date:		07/25/2025	09/29/2025	11/19/2025	07/25/2025	09/26/2025	11/19/2025	07/25/2025	07/25/2025	07/25/2025	11/19/2025	11/19/2025
Parameter	Units											
1,1,1-Trichloroethane (TCA)	UG/M3	2.2 U	1.09 U	4.4 U	1.1 UJ	1.1 U	1.1 U	22 U	1.1 U	11 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	UG/M3	2.7 U	1.37 U	5.5 U	1.4 UJ	1.4 U	1.4 U	27 U	1.4 U	14 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	3.1 U	1.53 U	**1.8 J**	1.5 UJ	1.5 U	**150**	31 U	1.5 U	15 U	**0.6 J**	**0.48 J**
1,1,2-Trichloroethane	UG/M3	2.2 U	1.09 U	4.4 U	1.1 UJ	1.1 U	1.1 U	22 U	1.1 U	11 U	1.1 U	1.1 U
1,1-Dichloroethane	UG/M3	1.6 U	0.81 U	3.2 U	0.81 UJ	0.81 U	0.81 U	16 U	0.81 U	8.1 U	0.81 U	0.81 U
1,1-Dichloroethene	UG/M3	0.4 U	0.2 U	0.8 U	0.2 UJ	0.2 U	0.2 U	4 U	0.2 U	2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	UG/M3	7.4 U	3.71 U	15 U	3.7 UJ	3.7 U	3.7 U	74 U	3.7 U	37 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	UG/M3	**3.3**	**13.4**	3.9 U	**6.3 J-**	0.98 U	**2.3**	20 U	**5.4**	9.8 U	0.98 U	**8.2**
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	3.1 U	1.54 U	6.2 U	1.5 UJ	1.5 U	1.5 U	31 U	1.5 U	15 U	1.5 U	1.5 U
1,2-Dichlorobenzene	UG/M3	2.4 U	1.2 U	4.8 U	1.2 UJ	1.2 U	1.2 U	24 U	1.2 U	12 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	1.6 U	0.81 U	3.2 U	0.81 UJ	0.81 U	0.81 U	16 U	0.81 U	8.1 U	0.81 U	0.81 U
1,2-Dichloropropane	UG/M3	1.8 U	0.92 U	3.7 U	0.92 UJ	0.92 U	0.92 U	18 U	0.92 U	9.2 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	2.8 U	1.4 U	5.6 U	1.4 UJ	1.4 U	**28**	28 U	1.4 U	14 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	2 U	**3.4**	3.9 U	0.98 UJ	0.98 U	0.98 U	20 U	**0.37 J**	9.8 U	0.98 U	**1.9**
1,3-Butadiene	UG/M3	0.88 U	0.44 U	1.8 U	0.44 UJ	0.44 U	0.44 U	8.8 U	**0.48**	**3.1 J**	0.44 U	0.44 U
1,3-Dichlorobenzene	UG/M3	2.4 U	1.2 U	4.8 U	1.2 UJ	1.2 U	1.2 U	24 U	1.2 U	12 U	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/M3	2.4 U	1.2 U	4.8 U	1.2 UJ	1.2 U	1.2 U	24 U	1.2 U	12 U	1.2 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	36 U	18 U	72 U	18 UJ	18 U	18 U	360 U	18 U	180 U	18 U	18 U
2,2,4-Trimethylpentane	UG/M3	1.9 U	**0.31 J**	3.7 U	**0.63 J-**	0.93 U	0.93 U	19 U	**0.57 J**	9.3 U	0.93 U	**0.4 J**
2-Chlorotoluene	UG/M3	2.1 U	1.04 U	4.2 U	1 UJ	1 U	1 U	21 U	1 U	10 U	1 U	1 U
2-Hexanone	UG/M3	4.1 U	**2.49**	8.2 U	2 UJ	**1.5 J**	2.1 U	41 U	**15**	20 U	2.1 U	2.1 U
4-Ethyltoluene	UG/M3	2 U	0.98 U	3.9 U	**0.39 J-**	0.98 U	**1.8**	20 U	**0.62 J**	9.8 U	0.98 U	**5**
Acetone	UG/M3	**36**	**221**	**75**	**42 J-**	**15**	**12**	**7000 D**	**110 D**	**2200 D**	**21**	**39**
Allyl Chloride (3-Chloropropene)	UG/M3	3.1 U	1.57 U	6.3 U	1.6 UJ	1.6 U	1.6 U	31 U	1.6 U	16 U	1.6 U	1.6 U
Benzene	UG/M3	1.3 U	**0.36 J**	2.6 U	**0.57 J-**	**0.29 J**	**0.5 J**	13 U	**0.99**	**6.9**	**0.49 J**	**0.54 J**
Benzyl Chloride	UG/M3	2.1 U	1.04 U	4.2 U	1 UJ	1 U	1 U	21 U	1 U	10 U	1 U	1 U
Bromodichloromethane	UG/M3	2.7 U	1.34 U	5.4 U	1.3 UJ	1.3 U	1.3 U	27 U	1.3 U	13 U	1.3 U	1.3 U
Bromoform	UG/M3	4.1 U	2.07 U	8.3 U	2.1 UJ	2.1 U	2.1 U	41 U	2.1 U	21 U	2.1 U	2.1 U
Bromomethane	UG/M3	1.6 U	**0.46 J**	3.1 U	0.78 UJ	0.78 U	0.78 U	16 U	0.78 U	7.8 U	0.78 U	0.78 U
Butane	UG/M3	**3.2**	**1.84**	4.8 U	**18 J-**	**1.8**	**1 J**	**150**	**5.3**	**12**	**3.8**	**2.7**
Carbon Disulfide	UG/M3	3.1 U	**0.61 J**	6.2 U	**1.6 J-**	**5.1 J+**	1.6 U	31 U	**9.9**	**23**	**0.45 J**	**0.42 J**
Carbon Tetrachloride	UG/M3	**0.44**	**0.43**	0.88 U	**0.38 J-**	**0.47**	**21**	4.4 U	**0.41**	2.2 U	**0.56**	**0.49**
Chlorobenzene	UG/M3	1.8 U	0.92 U	3.7 U	0.92 UJ	0.92 U	**4.3**	18 U	0.92 U	9.2 U	0.92 U	0.92 U
Chlorodifluoromethane	UG/M3	3.5 U	1.77 U	7.1 U	1.8 UJ	1.8 U	1.8 U	35 U	1.8 U	18 U	1.8 U	1.8 U
Chloroethane	UG/M3	2.6 U	1.32 U	5.3 U	1.3 UJ	1.3 U	1.3 U	26 U	**0.67 J**	13 U	1.3 U	1.3 U
Chloroform	UG/M3	**3.3**	**3.1**	**0.92 J**	**2.7 J-**	**8.7**	**7**	20 U	**24**	**5.8 J**	**0.28 J**	0.98 U
Chloromethane	UG/M3	**8**	**5.76**	**1.7 J**	**12 J-**	**1.4**	1 U	**74**	**7.3**	**9.2 J**	1 U	1 U
Cis-1,2-Dichloroethylene	UG/M3	0.4 U	0.2 U	0.8 U	0.2 UJ	0.2 U	**1.8**	4 U	0.2 U	2 U	0.2 U	0.2 U
Cis-1,3-Dichloropropene	UG/M3	1.8 U	0.91 U	3.6 U	0.91 UJ	0.91 U	0.91 U	18 U	0.91 U	9.1 U	0.91 U	0.91 U
Cyclohexane	UG/M3	**43**	**0.93**	**0.96 J**	**22 J-**	**1.7**	**0.68 J**	**2700 D**	**48**	**410**	**2.7**	**10**
Cymene	UG/M3	2.2 U	1.1 U	4.4 U	1.1 UJ	1.1 U	1.1 U	22 U	1.1 U	11 U	1.1 U	1.1 U
Dibromochloromethane	UG/M3	3.4 U	1.7 U	6.8 U	1.7 UJ	1.7 U	1.7 U	34 U	1.7 U	17 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	**3.3 J**	**2.13 J**	9.9 U	**1.9 J-**	**2.5**	2.5 U	49 U	**2.8**	25 U	**2.6**	**2.5**
Ethylbenzene	UG/M3	**2.2**	**2.13**	3.5 U	**1.1 J-**	**0.55 J**	**0.93**	**5.7 J**	**2.1**	**4.8 J**	0.87 U	**1.3**
Hexachlorobutadiene	UG/M3	4.3 U	2.13 U	8.5 U	2.1 UJ	2.1 U	2.1 U	43 U	2.1 U	21 U	2.1 U	2.1 U
Isopropanol	UG/M3	25 U	12.3 U	49 U	12 UJ	12 U	12 U	**220 J**	**9.4 J**	120 U	12 U	**10 J**
Isopropylbenzene (Cumene)	UG/M3	**8**	0.98 U	3.9 U	**3.3 J-**	**1.4**	0.98 U	20 U	**5.6**	**6.8 J**	0.98 U	0.98 U
m,p-Xylene	UG/M3	**5.3**	**8.84**	8.7 U	**2.9 J-**	**2.3**	**3.7**	**8.2 J**	**5.6**	**7.8 J**	**1.5 J**	**5.5**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**3.5**	**2.54**	5.9 U	**10 J-**	1.5 U	**2.6**	**69**	**28**	**7 J**	**2.9**	**1.5**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	4.1 U	2.05 U	8.2 U	2 UJ	2.1 U	2.1 U	41 U	**1.5 J**	20 U	2.1 U	2.1 U
Methyl Methacrylate	UG/M3	**1.5 J**	**0.99 J**	8.2 U	**1.6 J-**	2.1 U	2.1 U	41 U	**2.6**	20 U	2.1 U	2.1 U
Methylene Chloride	UG/M3	3.5 U	1.74 U	7 U	**0.85 J-**	1.7 U	**0.9 J**	35 U	**0.71 J**	17 U	1.7 U	1.7 U

Table 16. Summary of Volatile Organic Compounds in Soil Vapor and Indoor Air, 1 Java Street, Brooklyn, New York

Sample Designation:		SVMP-3	SVMP-3	SVMP-3	SVMP-4	SVMP-4	SVMP-4	SVMP-5	SVMP-6	SVMP-7	SVMP-7	SVMP-8
Sample Date:		07/25/2025	09/29/2025	11/19/2025	07/25/2025	09/26/2025	11/19/2025	07/25/2025	07/25/2025	07/25/2025	11/19/2025	11/19/2025
Parameter	Units											
Naphthalene	UG/M3	4 U	2 U	8 U	**0.83 J-**	**22**	2 U	40 U	2 U	20 U	2 U	2 U
N-Butylbenzene	UG/M3	2.2 U	1.1 U	4.4 U	1.1 UJ	1.1 U	1.1 U	22 U	1.1 U	11 U	1.1 U	1.1 U
N-Heptane	UG/M3	**4.6**	0.82 U	3.3 U	**1.4 J-**	0.82 U	0.82 U	**390**	**3.6**	**17**	0.82 U	0.82 U
N-Hexane	UG/M3	3.5 U	1.76 U	7 U	**2.8 J-**	1.8 U	1.8 U	**43**	**2**	**8.3 J**	**0.5 J**	**0.46 J**
N-Propylbenzene	UG/M3	**3.4**	**1.61**	3.9 U	**1.4 J-**	0.98 U	0.98 U	20 U	**2.6**	**3 J**	0.98 U	**0.95 J**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	1.7 U	**2.78**	3.5 U	**1.3 J-**	**0.76 J**	**0.85 J**	17 U	**2.3**	8.7 U	0.87 U	**1.5**
Sec-Butylbenzene	UG/M3	**1.4 J**	1.1 U	4.4 U	**0.53 J-**	1.1 U	1.1 U	22 U	**1.1**	11 U	1.1 U	1.1 U
Styrene	UG/M3	**30**	**2.64**	3.4 U	**12 J-**	**0.77 J**	0.85 U	17 U	**21**	**28**	0.85 U	0.85 U
T-Butylbenzene	UG/M3	2.2 U	1.1 U	4.4 U	1.1 UJ	1.1 U	1.1 U	22 U	1.1 U	11 U	1.1 U	1.1 U
Tert-Butyl Alcohol	UG/M3	**32**	15.2 U	61 U	**38 J-**	15 U	15 U	**820**	**56**	150 U	15 U	**7.2 J**
Tert-Butyl Methyl Ether	UG/M3	1.4 U	0.72 U	2.9 U	0.72 UJ	0.72 U	0.72 U	14 U	0.72 U	7.2 U	0.72 U	0.72 U
Tetrachloroethylene (PCE)	UG/M3	**12**	**3.68**	5.4 U	1.4 UJ	**6.1**	**140**	27 U	**4.9**	**2.9 J**	1.4 U	1.4 U
Tetrahydrofuran	UG/M3	29 U	14.7 U	59 U	15 UJ	15 U	**4 J**	290 U	15 U	150 U	**3.9 J**	15 U
Toluene	UG/M3	**5**	**2**	3 U	**3.1 J-**	**1.7**	**0.85**	**31**	**6.2**	**79**	**1.1**	**1.1**
Trans-1,2-Dichloroethene	UG/M3	1.6 U	0.79 U	3.2 U	0.79 UJ	0.79 U	0.79 U	16 U	0.79 U	7.9 U	0.79 U	0.79 U
Trans-1,3-Dichloropropene	UG/M3	1.8 U	0.91 U	3.6 U	0.91 UJ	0.91 U	0.91 U	18 U	0.91 U	9.1 U	0.91 U	0.91 U
Trichloroethylene (TCE)	UG/M3	**0.91**	0.2 U	0.8 U	**0.21 J-**	**0.61**	**1**	**6.5**	**0.39**	2 U	0.2 U	0.2 U
Trichlorofluoromethane	UG/M3	**30**	**21.3**	**9.9**	**13 J-**	**40**	**89**	22 U	**60**	**38**	**7.1**	**1.9**
Vinyl Bromide	UG/M3	1.7 U	0.88 U	3.5 U	0.87 UJ	0.88 U	0.88 U	17 U	0.87 U	8.7 U	0.88 U	0.88 U
Vinyl Chloride	UG/M3	0.4 U	0.2 U	0.8 U	0.2 UJ	0.2 U	0.2 U	4 U	0.2 U	2 U	0.2 U	0.2 U

FIGURES

1. Site Location Map
2. Site Layout Map
3. Map of Cut and Fill Locations
4. Remaining Soil Sample Exceedances
5. Remaining Groundwater Exceedances

6a. Remaining Soil Vapor Detections

6b. Sub-Slab Depressurization System Details

7. Site Wide Cover System Plan



QUADRANGLE LOCATION



SOURCE:
USGS; 2016, Brooklyn, NY
7.5 Minute Topographic Quadrangle

N

0 2000'

Title:

SITE LOCATION MAP

GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

Prepared for:

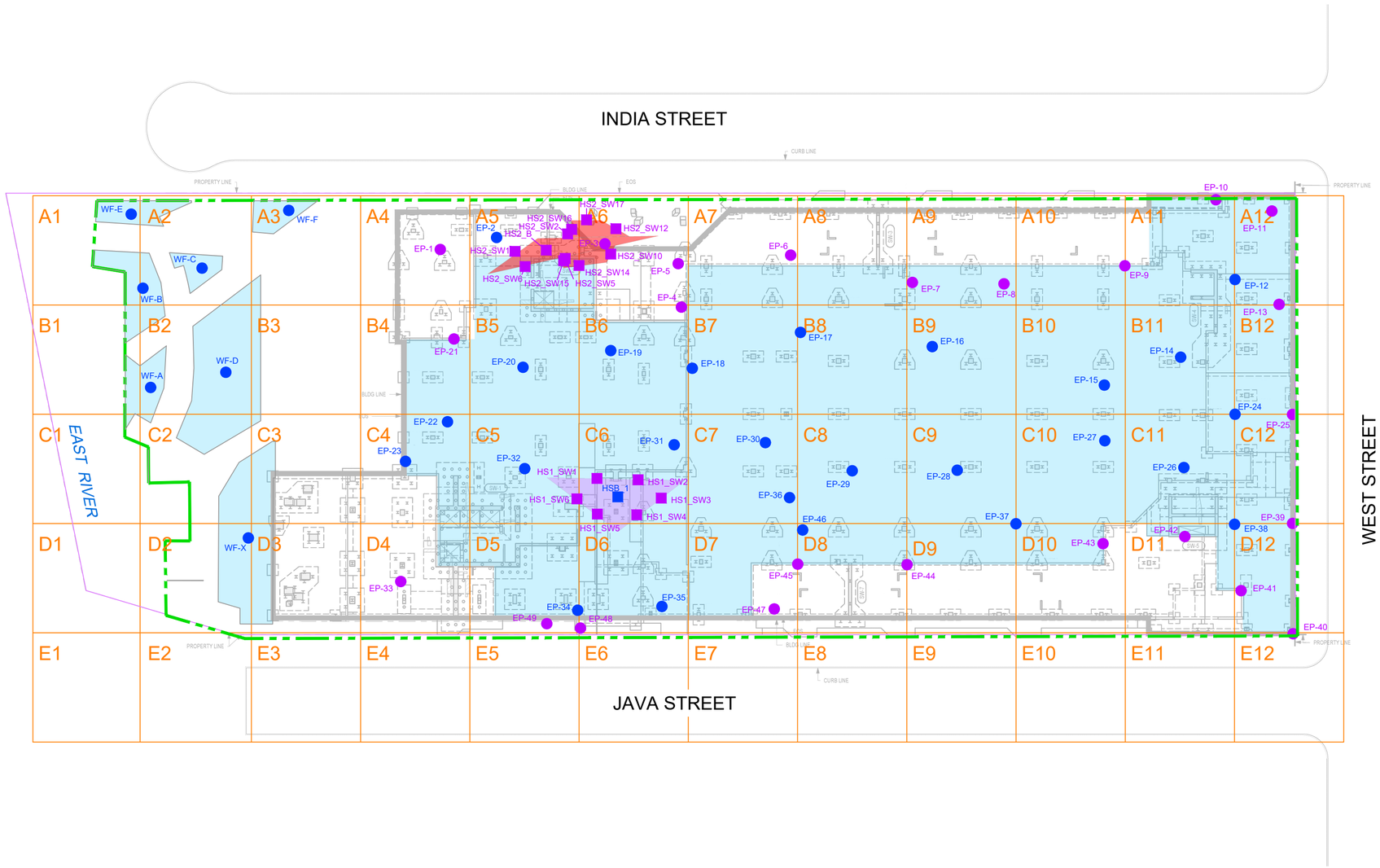
1 JAVA OWNER LLC

ROUX

Compiled by: E.B.	Date: 08SEPT25
Prepared by: B.H.C.	Scale: AS SHOWN
Project Mgr: J.W.	Project: 3583.0001Y000
File: 3583.0001Y167.01.CDR	

FIGURE 1

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LEGEND

- BCP SITE BOUNDARY
- APPROXIMATE EXTENT OF BUILDING
- LOCATION OF DOCUMENTATION BOTTOM SAMPLE
- LOCATION OF DOCUMENTATION SIDEWALL SAMPLE
- LOCATION OF CONFIRMATORY BOTTOM SAMPLE
- LOCATION OF CONFIRMATORY SIDEWALL SAMPLE
- 50 FT ALPHANUMERIC GRID
- REMEDIAL EXCAVATION AND SITE COVER
- LIMITS OF LEAD HOTSPOT 1 EXCAVATION: 5FT BLS
- LIMITS OF LEAD HOTSPOT 2 EXCAVATION: 8FT BLS

NOTES

1. SEE APPENDIX C OF RAWP FOR COMPLETE 2018 WASTE CHARACTERIZATION REPORT.
3. SEE APPENDIX I OF RAWP FOR COMPLETE 2021 REUSE/WASTE CHARACTERIZATION REPORT.
4. SEE APPENDIX L OF FER FOR 2022 WASTE CHARACTERIZATION DOCUMENTATION.
5. BCP – BROWNFIELD CLEANUP PROGRAM
6. RAWP – REMEDIAL ACTION WORK PLAN
7. BLS – BELOW LAND SURFACE
8. ENTIRE SITE AREA IS TRACK 4

N

40' 0 40'

Title:

SITE LAYOUT MAP

GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

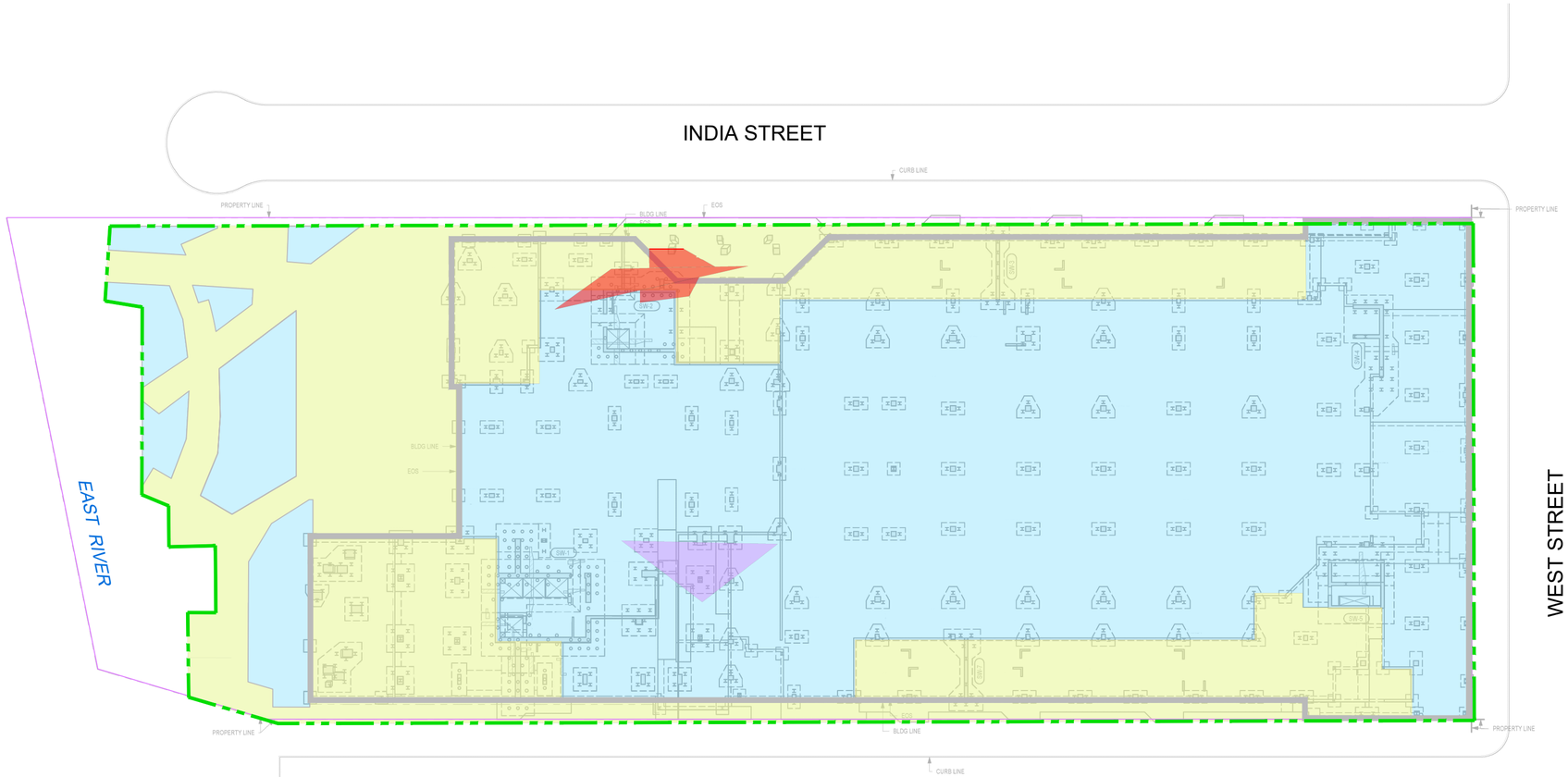
Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: B.H.	Date: 26JUN25	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	2
Project Mgr: B.H.	Project: 3583.0001Y000	
File: 3583.0001Y167.03.DWG		

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LEGEND

- BCP SITE BOUNDARY
- APPROXIMATE EXTENT OF BUILDING
- REMEDIAL EXCAVATION AREAS
- LIMITS OF LEAD HOTSPOT 1 EXCAVATION: 5FT BLS
- LIMITS OF LEAD HOTSPOT 2 EXCAVATION: 8FT BLS
- FILL AREA AND CONSTRUCTION OF SITE COVER

NOTES

1. SEE APPENDIX C OF RAWP FOR COMPLETE 2018 WASTE CHARACTERIZATION REPORT.
2. SEE APPENDIX I OF RAWP FOR COMPLETE 2021 REUSE/WASTE CHARACTERIZATION REPORT
3. SEE APPENDIX L OF FER FOR 2022 WASTE CHARACTERIZATION DOCUMENTATION.
4. BACKFILL INCLUDES REUSED SITE SOILS AND IMPORTED MATERIALS.
5. SEE APPENDIX M OF FER FOR 2022 SOIL REUSE PLAN.
6. BCP – BROWNFIELD CLEANUP PROGRAM
7. RAWP – REMEDIAL ACTION WORK PLAN
8. BLS – BELOW LAND SURFACE
9. ENTIRE SITE AREA IS TRACK 4

N

40' 0 40'

STATE OF NEW YORK
PAUL STEVEN MARTORANA
88403
LICENSED PROFESSIONAL ENGINEER

Title:

MAP OF CUT AND FILL LOCATIONS

GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: J.R.	Date: 25AUG25	FIGURE 3
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: B.H.	Project: 3583.0001Y000	
File: 3583.0001Y167.01.DWG		

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EP-2	04/27/2023
Depth (ft bls)	3 - 3.5
Metals	
Copper	58.8
Lead	496
Mercury	0.55
Zinc	372
Pesticides/Herbicides	
P,P'-DDE	0.0084
P,P'-DDT	0.018 J

HS2_SW1	11/17/2022
Depth (ft bls)	8 - 8.5
Metals	
Lead	356

HS2_B	11/17/2022
Depth (ft bls)	8 - 8.5
Metals	
Lead	448

HS2_SW15	12/28/2022
Depth (ft bls)	8 - 8.5
Metals	
Lead	251

HS2_S5	11/17/2022
Depth (ft bls)	8 - 8.5
Metals	
Lead	513

HS2_SW2	11/17/2022
Depth (ft bls)	8 - 8.5
Metals	
Lead	338

HS2_SW16	12/28/2022
Depth (ft bls)	8 - 8.5
Metals	
Lead	378

HS2_SW17	12/28/2022
Depth (ft bls)	8 - 8.5
Metals	
Lead	449

HS2_SW14	12/28/2022
Depth (ft bls)	8 - 8.5
Metals	
Lead	371

HS2_SW12	12/12/2022
Depth (ft bls)	8 - 8.5
Metals	
Lead	2310

EP-3	04/25/2023
Depth (ft bls)	2.5 - 3
Metals	
Lead	148
Mercury	0.2
Pesticides/Herbicides	
P,P'-DDT	0.033

HS2_SW10	11/30/2022
Depth (ft bls)	8 - 8.5
Metals	
Lead	444

EP-5	04/27/2023
Depth (ft bls)	4.5 - 5
Metals	
Lead	190
Mercury	0.63
Zinc	118

EP-19	07/17/2023
Depth (ft bls)	10 - 10.5
Metals	
Lead	247
Mercury	0.69

EP-4	04/27/2023
Depth (ft bls)	4.5 - 5
Metals	
Lead	383
Mercury	0.37
Zinc	115

EP-18	06/23/2023
Depth (ft bls)	6 - 6.5
Metals	
Lead	95.9
Mercury	0.22

EP-10	04/25/2023	04/25/2023 DUP
Depth (ft bls)	3 - 3.5	3 - 3.5
SVOCs		
Benzo(A)Anthracene	1.1 J	3.8 J
Benzo(A)Pyrene	1.1 J	3.8 J
Benzo(B)Fluoranthene	1.3 J	4.2 J
Benzo(K)Fluoranthene	NE	1.5 J
Chrysene	1.1 J	3.2 J
Dibenz(A,H)Anthracene	NE	0.42 J
Indeno(1,2,3-C,D)Pyrene	0.59 J	2 J
Metals		
Lead	83.6	85.9
Mercury	1.4	1.1
Zinc	NE	123
Pesticides/Herbicides		
P,P'-DDT	0.0054 J	0.0051 J

EP-11	04/25/2023
Depth (ft bls)	0.5 - 1
Metals	
Lead	79.2
Mercury	0.22
Pesticides/Herbicides	
P,P'-DDT	0.0034 J+

EP-9	12/07/2023
Depth (ft bls)	1.5 - 2
Metals	
Lead	136
Mercury	0.24

EP-13	04/25/2023
Depth (ft bls)	3 - 3.5
PCBs	
Polychlorinated Biphenyl (PCBs)	0.15

EP-25	03/19/2024
Depth (ft bls)	3.5 - 4
Metals	
Lead	83.4
Mercury	0.3
Zinc	118

EP-24	01/03/2024	01/03/2024 DUP
Depth (ft bls)	7.5 - 8	7.5 - 8
Metals		
Chromium, Total	35.2 J	NE

EP-26	01/03/2024
Depth (ft bls)	4.5 - 5
PCBs	
Polychlorinated Biphenyl (PCBs)	0.46

EP-42	05/09/2024
Depth (ft bls)	3.5 - 4
SVOCs	
Benzo(A)Anthracene	1.1
Benzo(A)Pyrene	1.1
Benzo(B)Fluoranthene	1.3
Chrysene	1.1
Indeno(1,2,3-C,D)Pyrene	0.61
Metals	
Arsenic	26.4
Copper	105
Lead	179
Mercury	0.3
Zinc	122

EP-40	05/09/2024
Depth (ft bls)	3.5 - 4
Metals	
Copper	68.1
Zinc	118

EP-41	05/09/2024
Depth (ft bls)	2 - 2.5
SVOCs	
Benzo(B)Fluoranthene	1.1
Indeno(1,2,3-C,D)Pyrene	0.54
Metals	
Arsenic	17.7
Lead	160
Mercury	0.25

EP-43	01/29/2024
Depth (ft bls)	8.5 - 9
SVOCs	
Benzo(A)Anthracene	1.9
Benzo(A)Pyrene	1.8
Benzo(B)Fluoranthene	2.1
Chrysene	1.8
Indeno(1,2,3-C,D)Pyrene	0.96

WF-A	10/15/2024
Depth (ft bls)	1.5 - 2
Metals	
Lead	150
Mercury	0.23
Pesticides/Herbicides	
P,P'-DDT	0.0097

WF-B	10/15/2024
Depth (ft bls)	1.5 - 2
Metals	
Chromium, Total	40.6 J

WF-C	10/15/2024
Depth (ft bls)	1 - 1.5
Metals	
Lead	105
Mercury	0.29
Pesticides/Herbicides	
P,P'-DDT	0.0056 J

WF-D	10/15/2024
Depth (ft bls)	1 - 1.5
Metals	
Lead	163
Mercury	0.28
Zinc	118
Pesticides/Herbicides	
P,P'-DDE	0.0043 J
P,P'-DDT	0.0063 J

WF-E	10/18/2024
Depth (ft bls)	3 - 3.5
Metals	
Lead	125
Mercury	1.7
Zinc	290
Pesticides/Herbicides	
P,P'-DDT	0.0042 J+

WF-F	10/18/2024
Depth (ft bls)	4 - 4.5
Metals	
Lead	126
Mercury	1.2

WF-X	10/15/2024
Depth (ft bls)	0.5 - 1
Metals	
Lead	231
Mercury	0.37
Zinc	112
Pesticides/Herbicides	
P,P'-DDT	0.0038 J

EP-20	08/10/2023
Depth (ft bls)	10 - 10.5
Metals	
Lead	229
Mercury	0.4
Zinc	142
Pesticides/Herbicides	
P,P'-DDT	0.012

EP-21	08/10/2023
Depth (ft bls)	3 - 3.5
Metals	
Copper	67.1
Lead	443
Mercury	0.49
Zinc	352
Pesticides/Herbicides	
P,P'-DDT	0.0095

EP-22	07/20/2023
Depth (ft bls)	9.5 - 10
Metals	
Chromium, Total	386
Lead	353
Mercury	0.29
Pesticides/Herbicides	
P,P'-DDE	0.0039 J
P,P'-DDT	0.0036 J

EP-23	07/20/2023
Depth (ft bls)	9.5 - 10
Metals	
Lead	222
Mercury	0.38
Zinc	203

EP-32	08/10/2023
Depth (ft bls)	9 - 9.5
Metals	
Arsenic	13.8
Chromium, Total	33.6
Lead	137
Mercury	0.68
Zinc	112

EP-33	06/05/2023
Depth (ft bls)	4 - 4.5
Metals	
Lead	945
Mercury	1.3
Zinc	121

HS1_SW1	09/07/2022
Depth (ft bls)	5 - 5.5
Metals	
Lead	163

HS1_SW2	09/07/2022
Depth (ft bls)	5 - 5.5
Metals	
Lead	128

HS1_SW6	09/07/2022
Depth (ft bls)	5 - 5.5
Metals	
Lead	124

HS1_B	09/07/2022
Depth (ft bls)	5 - 5.5
Metals	
Lead	215

HS1_SW5	09/07/2022
Depth (ft bls)	5 - 5.5
Metals	
Lead	119

HS1_SW4	09/07/2022
Depth (ft bls)	5 - 5.5
Metals	
Lead	147

EP-49	09/15/2023
Depth (ft bls)	6 - 6.5
SVOCs	
Benzo(A)Anthracene	1.1
Benzo(B)Fluoranthene	1.2
Indeno(1,2,3-C,D)Pyrene	0.74
Metals	
Lead	166
Mercury	0.28
Zinc	110
Pesticides/Herbicides	
P,P'-DDT	0.0035 J

EP-34	09/15/2023
Depth (ft bls)	6.5 - 7
SVOCs	
Indeno(1,2,3-C,D)Pyrene	0.63
Metals	
Lead	219
Mercury	0.3
Zinc	138
Pesticides/Herbicides	
P,P'-DDT	0.0054 J

EP-48	09/21/2023
Depth (ft bls)	4.5 - 5
Metals	
Lead	90.6
Mercury	0.65

HS1_SW3	09/07/2022
Depth (ft bls)	5 - 5.5
Metals	
Lead	203

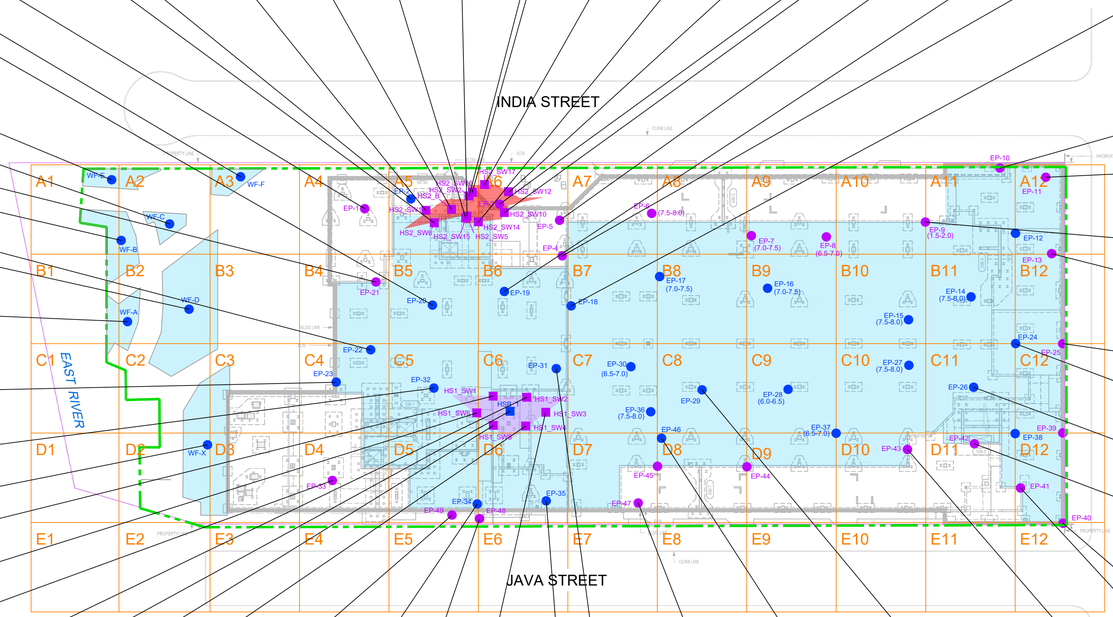
EP-35	09/15/2023
Depth (ft bls)	4.5 - 5
SVOCs	
Benzo(A)Anthracene	3.2
Benzo(A)Pyrene	3.2
Benzo(B)Fluoranthene	3.9
Benzo(K)Fluoranthene	1.3
Chrysene	3.1
Dibenz(A,H)Anthracene	0.54
Indeno(1,2,3-C,D)Pyrene	2.2
Metals	
Lead	170
Mercury	0.37
Zinc	119
Pesticides/Herbicides	
P,P'-DDE	0.0088
P,P'-DDT	0.024

EP-31	08/22/2023
Depth (ft bls)	9 - 9.5
SVOCs	
Benzo(A)Anthracene	1.9
Benzo(A)Pyrene	1.5
Benzo(B)Fluoranthene	1.6
Chrysene	1.7
Indeno(1,2,3-C,D)Pyrene	0.75
Metals	
Copper	57.7
Lead	82

EP-47	11/10/2023
Depth (ft bls)	5.5 - 6
SVOCs	
Benzo(A)Anthracene	1.4
Benzo(A)Pyrene	1.4
Benzo(B)Fluoranthene	1.7
Chrysene	1.3
Indeno(1,2,3-C,D)Pyrene	1.1
Metals	
Chromium, Total	58.1
Copper	53.7
Lead	133
Mercury	0.48
Nickel	31.9
Zinc	137
Pesticides/Herbicides	
P,P'-DDE	0.0063 J
P,P'-DDT	0.0066 J

EP-46	11/10/2023
Depth (ft bls)	5.5 - 6
SVOCs	
Benzo(A)Anthracene	4.4
Benzo(A)Pyrene	5.9
Benzo(B)Fluoranthene	6.5
Benzo(K)Fluoranthene	2
Chrysene	4.1
Dibenz(A,H)Anthracene	0.64
Indeno(1,2,3-C,D)Pyrene	3.8
Metals	
Lead	195
Mercury	5.7
Zinc	149

EP-29	12/07/2023
Depth (ft bls)	5.5 - 6
VOCs	
Acetone	0.09



LEGEND

- BCP SITE BOUNDARY
- APPROXIMATE EXTENT OF BUILDING
- LOCATION OF DOCUMENTATION BOTTOM SAMPLE
- LOCATION OF DOCUMENTATION SIDEWALL SAMPLE
- LOCATION OF CONFIRMATORY BOTTOM SAMPLE
- LOCATION OF CONFIRMATORY SIDEWALL SAMPLE
- 50 FT ALPHANUMERIC GRID
- REMEDIAL EXCAVATION AREAS
- LIMITS OF LEAD HOTSPOT 1 EXCAVATION: 5FT BLS
- LIMITS OF LEAD HOTSPOT 2 EXCAVATION: 8FT BLS
- (7.0-7.5) DEPTH OF SAMPLE COLLECTION (FEET BELOW LAND SURFACE)

NOTES

1. SEE APPENDIX C OF RAWP FOR COMPLETE 2018 WASTE CHARACTERIZATION REPORT.
3. SEE APPENDIX I OF RAWP FOR COMPLETE 2021 REUSE/WASTE CHARACTERIZATION REPORT.
4. SEE APPENDIX L OF FER FOR 2022 WASTE CHARACTERIZATION DOCUMENTATION.
5. BCP – BROWNFIELD CLEANUP PROGRAM
6. RAWP – REMEDIAL ACTION WORK PLAN
7. BLS – BELOW LAND SURFACE
8. ENTIRE SITE AREA IS TRACK 4

Parameter	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives	NYSDEC Part 375 Protection of Groundwater SCO	Units
VOCs				
Acetone	0.05	100	0.05	mg/kg
SVOCs				
Benzo(A)Anthracene	1	1	1	mg/kg
Benzo(A)Pyrene	1	1	22	mg/kg
Benzo(B)Fluoranthene	1	1	1.7	mg/kg
Benzo(K)Fluoranthene	0.8	3.9	1.7	mg/kg
Chrysene	1	3.9	1	mg/kg
Dibenz(A,H)Anthracene	0.33	0.33	1000	mg/kg
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	8.2	mg/kg
Metals				
Arsenic	13	16	16	mg/kg
Chromium, Total	30	180	--	mg/kg
Copper	50	270	1720	mg/kg
Lead	63	400	450	mg/kg
Mercury	0.18	0.81	0.73	mg/kg
Nickel	30	310	130	mg/kg
Zinc	109	10000	2480	mg/kg
PCBs				
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	mg/kg
Pesticides/Herbicides				
P,P'-DDE	0.0033	8.9	17	mg/kg
P,P'-DDT	0.0033	7.9	136	mg/kg

mg/kg – MILLIGRAMS PER KILOGRAM

NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

– – NO NYSDEC PART 375 SOIL CLEANUP OBJECTIVES AVAILABLE

J – ESTIMATED VALUE

J+ – ESTIMATED VALUE, HIGH BIAS

DUP – DUPLICATE SAMPLE

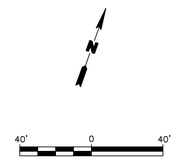
VOCs – VOLATILE ORGANIC COMPOUNDS

SVOCs – SEMIVOLATILE ORGANIC COMPOUNDS

PCBS – POLYCHLORINATED BIPHENYLS

NE – NO EXCEEDANCE

FT BLS – FEET BELOW LAND SURFACE



Title:

REMAINING SOIL SAMPLE EXCEEDANCES

GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: B.H.	Date: 12/12/2025	FIGURE 4
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: B.H.	Project: 3583.0001Y000	
File: 3583.0001Y167.03.DWG		

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MW-2	05/30/2025
Metals, Total	
Iron	**7190**
Magnesium	**46800**
Manganese	**421**
Sodium	**242000**
Metals, Dissolved	
Magnesium	**45200**
Manganese	**398**
Sodium	**238000**

MW-3	05/30/2025	05/30/2025 DUP
Metals, Total		
Antimony	**3.6**	**4**
Iron	**1280**	**1000**
Lead	**41.7**	**38.9**
Magnesium	**45400**	**45400**
Manganese	**730**	**732**
Sodium	**278000**	**276000**
Metals, Dissolved		
Antimony	**3.7**	**4.2**
Magnesium	**42800**	**43700**
Manganese	**689**	**694**
Sodium	**275000**	**274000**

MW-1	05/30/2025
Metals, Total	
Iron	**3500**
Manganese	**1190**
Sodium	**216000**
Metals, Dissolved	
Manganese	**1070**
Sodium	**212000**

LEGEND

- BCP SITE BOUNDARY
- APPROXIMATE EXTENT OF BUILDING
- REMEDIAL EXCAVATION AND SITE COVER
- 50 FT ALPHANUMERIC GRID

Parameter	NYSDEC AWQSGV	Units
VOCs	NE	µg/L
SVOCs	ND	µg/L
Metals, Total		
Antimony	**3**	µg/L
Iron	**300**	µg/L
Lead	**25**	µg/L
Magnesium	**35000**	µg/L
Manganese	**300**	µg/L
Sodium	**20000**	µg/L
Metals, Dissolved		
Antimony	**3**	µg/L
Magnesium	**35000**	µg/L
Manganese	**300**	µg/L
Sodium	**20000**	µg/L
PCBs	ND	µg/L
Pesticides	ND	µg/L

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

– – NO NYSDEC AWQSGV AVAILABLE

J – ESTIMATED VALUE

DUP – DUPLICATE SAMPLE

VOCs – VOLATILE ORGANIC COMPOUNDS

SVOCs – SEMIVOLATILE ORGANIC COMPOUNDS

PCBs – POLYCHLORINATED BIPHENYLS

NE – NO EXCEEDANCES

ND – NO DETECTION

N

40' 0 40'

Title:

REMAINING GROUNDWATER EXCEEDANCES

GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: B.H.	Date: 01JUL25	FIGURE 5
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: B.H.	Project: 3583.0001Y000	
File: 3583.0001Y167.03.DWG		

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SVMP-1	07/25/2025
VOCs	
2,2,4-Trimethylpentane	**16**
Acetone	**1000 D**
Benzene	**3.6**
Butane	**6.9**
Carbon Disulfide	**0.51 J**
Chloromethane	**87**
Cis-1,2-Dichloroethylene	**1.1**
Cyclohexane	**34**
Cymene	**2.7 J**
Ethylbenzene	**12**
Isopropanol	**50 J**
m,p-Xylene	**16**
Methyl Ethyl Ketone (2-Butanone)	**15**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**5.6 J**
Methyl Methacrylate	**6 J**
N-Heptane	**170**
N-Hexane	**7.7 J**
Tert-Butyl Alcohol	**47 J**
Tetrachloroethylene (PCE)	**520**
Toluene	**40**
Trichloroethylene (TCE)	**0.1**
Vinyl Chloride	**1.6**

IA-1	07/25/2025
VOCs	
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.63 J**
1,2,4-Trimethylbenzene	**0.91 J**
1,4-Dioxane (P-Dioxane)	**0.7 J**
2,2,4-Trimethylpentane	**0.7 J**
Acetone	**33**
Benzene	**0.7**
Butane	**4.2**
Carbon Disulfide	**0.61 J**
Carbon Tetrachloride	**0.54**
Chlorodifluoromethane	**1.7 J**
Chloroform	**0.35 J**
Chloromethane	**1.9**
Cis-1,2-Dichloroethylene	**0.34 J**
Cyclohexane	**34**
Cymene	**2.7 J**
Ethylbenzene	**12**
Isopropanol	**50 J**
m,p-Xylene	**1.1 J**
Methyl Ethyl Ketone (2-Butanone)	**4**
Methylene Chloride	**0.76 J**
Naphthalene	**0.79 J**
N-Heptane	**0.84**
N-Hexane	**0.95 J**
O-Xylene (1,2-Dimethylbenzene)	**0.42 J**
Styrene	**0.46 J**
Tetrachloroethylene (PCE)	**2**
Toluene	**2.1**
Trichlorofluoromethane	**1.7**

SVMP-3	07/25/2025	09/29/2025	11/19/2025
VOCs			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	**1.8 J**
1,2,4-Trimethylbenzene	**3.3**	**13.4**	ND
1,3,5-Trimethylbenzene (Mesitylene)	ND	**3.4**	ND
2,2,4-Trimethylpentane	ND	**0.31 J**	ND
2-Hexanone	ND	**2.49**	ND
Acetone	**36**	**221**	**75**
Benzene	ND	**0.36 J**	ND
Bromomethane	ND	**0.46 J**	ND
Butane	**3.2**	**1.84**	ND
Carbon Disulfide	ND	**0.61 J**	ND
Carbon Tetrachloride	**0.44**	**0.43**	ND
Chloroform	**3.3**	**3.1**	**0.92 J**
Chloromethane	**8**	**5.76**	**1.7 J**
Cyclohexane	**43**	**0.93**	**0.96 J**
Dichlorodifluoromethane	**3.3 J**	**2.13 J**	ND
Ethylbenzene	**2.2**	**2.13**	ND
Isopropylbenzene (Cumene)	**8**	ND	ND
m,p-Xylene	**5.3**	**8.64**	ND
Methyl Ethyl Ketone (2-Butanone)	**3.5**	**2.54**	ND
Methyl Methacrylate	**1.5 J**	**0.99 J**	ND
N-Heptane	**4.6**	ND	ND
N-Propylbenzene	**3.4**	**1.61**	ND
O-Xylene (1,2-Dimethylbenzene)	ND	**2.78**	ND
Sec-Butylbenzene	**1.4 J**	ND	ND
Styrene	**30**	**2.64**	ND
Tert-Butyl Alcohol	**32**	ND	ND
Tetrachloroethylene (PCE)	**12**	**3.68**	ND
Toluene	**5**	**2**	ND
Trichloroethylene (TCE)	**0.91**	ND	ND
Trichlorofluoromethane	**30**	**21.3**	**9.9**

IA-3	07/25/2025	09/29/2025	11/19/2025	11/19/2025 DUP
VOCs				
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.61 J**	ND	**0.57 J**	**0.53 J**
1,2,4-Trimethylbenzene	**4.6**	**18**	**1.5**	**1.6**
1,3,5-Trimethylbenzene (Mesitylene)	**1.1**	**4.49**	ND	ND
1,3-Butadiene	**0.088 J**	ND	ND	ND
2,2,4-Trimethylpentane	**0.77 J**	**0.49 J**	**0.51 J**	**0.51 J**
4-Ethyltoluene	**0.51 J**	ND	**0.93 J**	**0.94 J**
Acetone	**190 D**	**22.9**	**25**	**31**
Benzene	**0.93**	**0.46 J**	**0.51 J**	**0.51 J**
Butane	**130 D**	**2.97**	**4.2**	**4**
Carbon Disulfide	**1.9**	ND	ND	ND
Carbon Tetrachloride	**0.53**	**0.48**	**0.44**	**0.45**
Chlorodifluoromethane	**1.7 J**	**1.29 J**	ND	ND
Chloroform	**0.46 J**	ND	**0.43 J**	**0.43 J**
Chloromethane	**2.1**	**1.2**	**0.31 J**	ND
Cyclohexane	**2.6**	**0.61 J**	**1.4**	**1.4**
Cymene	**0.6 J**	ND	ND	ND
Dichlorodifluoromethane	**2.9**	**2.22 J**	**2.6**	**2.6**
Ethylbenzene	**1.7**	**1.45**	**1.1**	**1.1**
Isopropanol	**30**	ND	ND	ND
Isopropylbenzene (Cumene)	ND	**0.92 J**	ND	ND
m,p-Xylene	**6.8**	**6.2**	**5.2**	**5.2**
Methyl Ethyl Ketone (2-Butanone)	**7.9**	**1.46 J**	ND	**2.8**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ND	**0.53 J**	ND	ND
Methyl Methacrylate	**11**	ND	**0.65 J**	**0.7 J**
Methylene Chloride	**0.77 J**	**0.81 J**	**0.66 J**	ND
N-Butylbenzene	**0.47 J**	ND	ND	ND
N-Heptane	**1.9**	ND	ND	ND
N-Hexane	**40**	**0.47 J**	**0.51 J**	**0.64 J**
N-Propylbenzene	**0.72 J**	**1.62**	ND	ND
O-Xylene (1,2-Dimethylbenzene)	**3.2**	**2.17**	**1.6**	**1.6**
Styrene	**15**	**1.65**	**0.95**	**0.84 J**
Tetrachloroethylene (PCE)	ND	ND	**3.1**	ND
Toluene	**54**	**2.44**	**1.3**	**1.2**
Trichlorofluoromethane	**1.7**	**1.21**	**1.3**	**1.3**

SVMP-8	11/19/2025
VOCs	
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.48 J**
1,2,4-Trimethylbenzene	**8.2**
1,3,5-Trimethylbenzene (Mesitylene)	**1.9**
2,2,4-Trimethylpentane	**0.4 J**
4-Ethyltoluene	**6**
Acetone	**39**
Benzene	**0.54 J**
Butane	**2.7**
Carbon Disulfide	**0.42 J**
Carbon Tetrachloride	**0.49**
Cyclohexane	**10**
Dichlorodifluoromethane	**2.5**
Ethylbenzene	**1.3**
Isopropanol	**10 J**
m,p-Xylene	**5.5**
Methyl Ethyl Ketone (2-Butanone)	**1.5**
N-Hexane	**0.46 J**
N-Propylbenzene	**0.89 J**
O-Xylene (1,2-Dimethylbenzene)	**1.5**
Tert-Butyl Alcohol	**7.2 J**
Toluene	**1.1**
Trichlorofluoromethane	**1.9**

IA-8	11/19/2025
VOCs	
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.81 J**
1,2,4-Trimethylbenzene	**7.8**
1,3,5-Trimethylbenzene (Mesitylene)	**1.8**
2,2,4-Trimethylpentane	**0.43 J**
4-Ethyltoluene	**4.8**
Acetone	**12**
Benzene	**0.48 J**
Butane	**3.2**
Carbon Tetrachloride	**0.52**
Cyclohexane	**0.38 J**
Dichlorodifluoromethane	**2.5**
Ethylbenzene	**1.4**
m,p-Xylene	**5.9**
N-Hexane	**0.46 J**
N-Propylbenzene	**0.89 J**
O-Xylene (1,2-Dimethylbenzene)	**1.5**
Tetrachloroethylene (PCE)	**20**
Toluene	**1**
Trichlorofluoromethane	**1.2**

SVMP-5	07/25/2025
VOCs	
Acetone	**7000 D**
Benzene	**7000 D**
Butane	**150**
Chloromethane	**74**
Cyclohexane	**2700 D**
Ethylbenzene	**2700 D**
Isopropanol	**5.7 J**
m,p-Xylene	**220 J**
Methyl Ethyl Ketone (2-Butanone)	**8.2 J**
N-Heptane	**69**
N-Hexane	**390**
Tert-Butyl Alcohol	**43**
Toluene	**820**
Trichloroethylene (TCE)	**31**
Trichlorofluoromethane	**6.5**

IA-5	07/25/2025
VOCs	
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.63 J**
1,2,4-Trimethylbenzene	**1.1**
1,3-Butadiene	**0.23 J**
2,2,4-Trimethylpentane	**1.2**
Acetone	**100 D**
Benzene	**1.6**
Butane	**42**
Carbon Disulfide	**17**
Carbon Tetrachloride	**0.54**
Chlorodifluoromethane	**1.6 J**
Chloroform	**0.31 J**
Chloromethane	**1.9**
Cis-1,2-Dichloroethylene	**0.18 J**
Cyclohexane	**4.3**
Cymene	**0.61 J**
Dichlorodifluoromethane	**2.9**
Ethylbenzene	**2**
Isopropanol	**11 J**
m,p-Xylene	**8.1**
Methyl Ethyl Ketone (2-Butanone)	**4**
Methyl Methacrylate	**2.2**
Methylene Chloride	**0.74 J**
N-Heptane	**1.6**
N-Hexane	**11**
O-Xylene (1,2-Dimethylbenzene)	**2.3**
Styrene	**5.5**
Toluene	**18**
Trichlorofluoromethane	**1.7**

SVMP-2	07/25/2025
1,2,4-Trimethylbenzene	**2.8**
1,3-Butadiene	**0.39 J**
Acetone	**370 D**
Benzene	**0.64 J**
Butane	**8.9**
Carbon Disulfide	**4.4**
Carbon Tetrachloride	**0.5**
Chlorodifluoromethane	**3 J**
Chloroform	**9.3**
Chloromethane	**3.5**
Cyclohexane	**33**
Dichlorodifluoromethane	**3.3 J**
Ethylbenzene	**2.4**
Isopropylbenzene (Cumene)	**6**
m,p-Xylene	**5.4**
Methyl Ethyl Ketone (2-Butanone)	**2.5 J**
Methyl Methacrylate	**86**
N-Heptane	**2.1**
N-Propylbenzene	**2.7**
O-Xylene (1,2-Dimethylbenzene)	**2.5**
Sec-Butylbenzene	**1 J**
Styrene	**24**
Tert-Butyl Alcohol	**19 J**
Tetrachloroethylene (PCE)	**8**
Toluene	**4.1**
Trans-1,2-Dichloroethene	**0.28 J**
Trichloroethylene (TCE)	**0.82**
Trichlorofluoromethane	**12**

IA-2	07/25/2025
VOCs	
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.61 J**
1,2,4-Trimethylbenzene	**1**
1,3-Butadiene	**0.12 J**
2,2,4-Trimethylpentane	**0.64 J**
Acetone	**130 D**
Benzene	**0.77**
Butane	**2.1**
Carbon Disulfide	**21**
Carbon Tetrachloride	**0.51**
Chlorodifluoromethane	**1.6 J**
Chloroform	**0.29 J**
Chloromethane	**2.1**
Cyclohexane	**0.35 J**
Dichlorodifluoromethane	**2.9**
Ethylbenzene	**0.58 J**
m,p-Xylene	**1.2 J**
Methyl Ethyl Ketone (2-Butanone)	**3.9**
Methyl Methacrylate	**200 D**
Methylene Chloride	**3.1**
N-Heptane	**1.2**
N-Hexane	**1.9**
O-Xylene (1,2-Dimethylbenzene)	**0.46 J**
Toluene	**2.4**
Trichlorofluoromethane	**1.6**

SVMP-4	07/25/2025	09/26/2025	11/19/2025
VOCs			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	**150**
1,2,4-Trimethylbenzene	**6.3 J-**	ND	**2.3**
1,2-Dichlorotetrafluoroethane	ND	ND	**28**
2,2,4-Trimethylpentane	**0.63 J-**	ND	ND
2-Hexanone	ND	**1.5 J**	ND
Benzene	**0.39 J-**	ND	**1.8**
Acetone	**42 J-**	**15**	**12**
Benzene	**0.57 J-**	**0.29 J**	**0.5 J**
Butane	**10 J-**	**1.8**	**1 J**
Carbon Disulfide	**1.6 J-**	**5.1 J+**	ND
Carbon Tetrachloride	**0.38 J-**	**0.47**	**21**
Chlorobenzene	ND	ND	**4.3**
Chloroform	**2.7 J-**	**8.7**	**7**
Chloromethane	**12 J-**	**1.4**	ND
Cis-1,2-Dichloroethylene	ND	ND	**1.8**
Cyclohexane	**22 J-**	**1.7**	**0.65 J**
Dichlorodifluoromethane	**1.9 J-**	**2.5**	ND
Ethylbenzene	**1.1 J-**	**0.55 J**	**0.93**
Isopropylbenzene (Cumene)	**3.3 J-**	**1.4**	ND
m,p-Xylene	**2.9 J-**	**2.3**	**3.7**
Methyl Ethyl Ketone (2-Butanone)	**10 J-**	ND	**2.6**
Methyl Methacrylate	**1.6 J-**	ND	ND
Methylene Chloride	**0.85 J-**	ND	**0.9 J**
Naphthalene	**0.83 J-**	**22**	ND
N-Heptane	**1.4 J-**	ND	ND
N-Hexane	**2.8 J-**	ND	ND
N-Propylbenzene	**1.4 J-**	ND	ND
O-Xylene (1,2-Dimethylbenzene)	**1.3 J-**	**0.76 J**	**0.85 J**
Sec-Butylbenzene	**0.93 J-**	ND	ND
Styrene	**12 J-**	**0.77 J**	ND
Tert-Butyl Alcohol	**30 J-**	ND	ND
Tetrachloroethylene (PCE)	ND	**6.1**	**140**
Tetrahydrofuran	ND	ND	**4 J**
Toluene	**3.1 J-**	**1.7**	**0.85**
Trichloroethylene (TCE)	**0.21 J-**	**0.61**	**1**
Trichlorofluoromethane	**13 J-**	**40**	**89**

IA-4	07/25/2025	09/26/2025	11/19/2025
VOCs			
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.44 J**	ND	**0.56 J**
1,2,4-Trimethylbenzene	**5.7**	**13**	ND
1,3,5-Trimethylbenzene (Mesitylene)	**0.65 J**	**1.6**	ND
1,3-Butadiene	**0.16 J**	ND	ND
2,2,4-Trimethylpentane	**0.98**	**2.6**	ND
2-Hexanone	ND	**1.6 J**	ND
4-Ethyltoluene	**0.49 J**	ND	ND
Acetone	**120 D**	**730 D**	**13**
Benzene	**0.96**	**2**	**0.37 J**
Butane	**30**	**31**	**3.4**
Carbon Disulfide	**7.6**	ND	ND
Carbon Tetrachloride	**0.53**	**0.54**	ND
Chlorodifluoromethane	**1.8**	ND	ND
Chloroform	**1.1**	**2.2**	**0.88 J**
Chloromethane	**2.9**	**1.5**	ND
Cyclohexane	**36**	**21**	**0.27 J**
Dichlorodifluoromethane	**2.9**	**2.4 J**	**2.6**
Ethylbenzene	**1.3**	**7.4**	ND
Isopropanol	**8.6 J**	**19**	ND
Isopropylbenzene (Cumene)	**0.68 J**	**1.7**	ND
m,p-Xylene	**4.2**	**30**	ND
Methyl Ethyl Ketone (2-Butanone)	**7.7**	**28**	ND
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ND	**8.7**	ND
Methyl Methacrylate	**1.2 J**	**38**	ND
Methylene Chloride	**0.96 J**	**0.74 J**	**0.64 J**
N-Heptane	**1.4**	**3.9**	ND
N-Hexane	**6.6**	**5.1**	ND
N-Propylbenzene	**0.34 J**	**0.66 J**	ND
O-Xylene (1,2-Dimethylbenzene)	**1.0**	**8.3**	ND
Styrene	**2.2**	**11**	ND
Tert-Butyl Alcohol	ND	**8.6 J**	ND
Tetrachloroethylene (PCE)	**0.30 J**	ND	**12**
Tetrahydrofuran	ND	**6.4 J**	ND
Toluene	**4.4**	**22**	**0.29 J**
Trichloroethylene (TCE)	**0.71 J**	**1.2**	**1.3**
Trichlorofluoromethane	**1.7**	**1.2**	**1.3**

SVMP-7	07/25/2025	11/19/2025
VOCs		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	**0.6 J**
1,3-Butadiene	**3.1 J**	ND
Acetone	**2200 D**	**21**
Benzene	**6.9**	**0.49 J**
Butane	**12**	**3.8**
Carbon Disulfide	**23**	**0.45 J**
Carbon Tetrachloride	ND	**0.56**
Chloroform	**5.5 J**	**0.28 J**
Chloromethane	**9.2 J**	ND
Cyclohexane	**410**	**2.7**
Dichlorodifluoromethane	ND	**2.6**
Ethylbenzene	**4.8 J**	ND
Isopropylbenzene (Cumene)	**6.8 J**	ND
m,p-Xylene	**7.9 J**	**1.5 J**
Methyl Ethyl Ketone (2-Butanone)	**7 J**	**3.9**
N-Heptane	**17**	ND
N-Hexane	**8.3 J**	**0.5 J**
N-Propylbenzene	**3 J**	ND
Styrene	**28**	ND
Tetrachloroethylene (PCE)	**2.9 J**	ND
Tetrahydrofuran	ND	**3.9 J**
Toluene	**79**	**1.1**
Trichlorofluoromethane	**38**	**7.1**

IA-7	07/25/2025	11/19/2025
VOCs		
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.63 J**	**0.61 J**
1,2,4-Trimethylbenzene	**0.53 J**	**1.2**
1,3-Butadiene	**0.97**	**0.37 J**
2,2,4-Trimethylpentane	ND	**0.98 J**
2-Hexanone	**41**	**14**
4-Ethyltoluene	**0.59 J**	**0.47 J**
Butane	**5.3**	**3.2**
Carbon Tetrachloride	**0.53**	**0.49**
Chlorodifluoromethane	**1.7 J**	ND
Chloromethane	**1.9**	ND
Cyclohexane	**2.3**	**0.29 J**
Dichlorodifluoromethane	**2.7**	**2.3 J**
Ethylbenzene	**1.1**	**0.69 J**
m,p-Xylene	**6.1**	**3.5**
Methyl Ethyl Ketone (2-Butanone)	**4.2**	ND
Methyl Methacrylate	**0.81 J**	**0.61 J**
Methylene Chloride	**0.68 J**	**0.9 J**
N-Heptane	**0.88**	ND
N-Hexane	**1.7 J**	**0.46 J**
O-Xylene (1,2-Dimethylbenzene)	**1.3**	**0.88**
Styrene	**0.38 J**	ND
Tetrachloroethylene (PCE)	**0.5 J**	**7.3**
Toluene	**1.8**	**1.1**
Trichlorofluoromethane	**1.7**	**1.4**

SVMP-6	07/25/2025
VOCs	
1,2,4-Trimethylbenzene	**5.4**
1,3,5-Trimethylbenzene (Mesitylene)	**0.37 J**
1,3-Butadiene	**0.48**
2,2,4-Trimethylpentane	**0.57 J**
2-Hexanone	**13**
4-Ethyltoluene	**0.62 J**
Acetone	**110 D**
Benzene	**0.99**
Butane	**5.3**
Carbon Disulfide	**9.9**
Carbon Tetrachloride	**0.41**
Chloroethane	**0.67 J**
Chloroform	**24**
Chloromethane	**7.3**
Cyclohexane	**48**
Dichlorodifluoromethane	**2.8**
Ethylbenzene	**2.1**
Isopropanol	**9.4 J**
Isopropylbenzene (Cumene)	**5.6**
m,p-Xylene	**5.6**
Methyl Ethyl Ketone (2-Butanone)	**28**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**1.5 J**
Methyl Methacrylate	**2.6**
Methylene Chloride	**0.71 J**
N-Heptane	**3.6**
N-Hexane	**2**
N-Propylbenzene	**2.6**
O-Xylene (1,2-Dimethylbenzene)	**2.3**
Sec-Butylbenzene	**1.1**
Styrene	**21**
Tert-Butyl Alcohol	**56**
Tetrachloroethylene (PCE)	**4.9**
Toluene	**6.2**
Trichloroethylene (TCE)	**0.39**
Trichlorofluoromethane	**60**

LEGEND

- PERFORATED PVC PIPE BELOW SLAB, SCHEDULE 40, 4" DIA.
- SOLID WALL PVC PIPE BELOW SLAB, SCHEDULE 40, 4" DIA.
- EP–1 STEEL RISER PIPE EXTRACTION POINT, GALVANIZED, 4" DIA.
- [ ] SUB–SLAB FOUNDATION WALL PENETRATION
- SVMP–1/IA–1 VAPOR MONITORING POINT/INDOOR AIR POINT

SAMPLE LOCATION — SAMPLE DATE — ANALYTES — DETECTIONS

SVMP-5	07/25/2025
VOCs	
Acetone	**7000 D**
Butane	**150**
Chloromethane	**74**
Cyclohexane	**2700 D**
Ethylbenzene	**5.7 J**
Isopropanol	**220 J**
m,p-Xylene	**8.2 J**
Methyl Ethyl Ketone (2-Butanone)	**69**
N-Heptane	**390**
N-Hexane	**43**
Tert-Butyl Alcohol	**820**
Toluene	**31**
Trichloroethylene (TCE)	**6.5**

CONCENTRATIONS IN ug/m³

ug/m³ – MICROGRAMS PER CUBIC METER

VOCS – VOLATILE ORGANIC COMPOUNDS

ND – COMPOUND WAS ANALYZED FOR BUT NOT DETECTED

J – ESTIMATED VALUE

J– – ESTIMATED VALUE, LOW BIAS

D – A SECONDARY ANALYSIS AFTER DILUTION DUE TO EXCEEDANCE OF THE CALIBRATION RANGE IN THE ORIGINAL SAMPLE.

REFERENCES

1. BASE MAP FROM FOUNDATION PLAN, DRAWING NO. FD–100, PROGRESS SET DATED NOVEMBER 19, 2021.

GENERAL NOTES

1. SUB–SLAB DEPRESSURIZATION SYSTEM PIPING INSTALLED IMMEDIATELY BELOW LOWEST SLAB AS SHOWN ON DETAILS. SOME SOLID PVC PIPE SECTIONS HUNG ALONG GARAGE CEILING, AS NOTED.
2. RISERS FOR SUB–SLAB DEPRESSURIZATION SYSTEM TERMINATE ON ROOF AND CONFORM WITH SETBACK REQUIREMENTS SHOWN ON DETAILS.
3. SUB–SLAB PIPING AT UTILITY CROSSINGS CONSTRUCTED IN CONFORMANCE WITH DETAIL 6.

NO.	DATE	REVISION DESCRIPTION	INT.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF STATE LAW.

THESE DOCUMENTS (OR COPIES OF ANY THEREOF) PREPARED BY OR BEARING THE SEAL OF THE ENGINEER, SHALL NOT BE REUSED FOR ANY EXTENSIONS OF THE PROJECT OR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

PROJ. ENGINEER: P.M.	DRAWN BY: G.M.
DESIGNED BY: P.M.	CHECKED BY: P.M.
DRAWING SCALE: AS SHOWN	PLOT SCALE: 1:1
DRAWING DATE: 15DEC25	PRINT TYPE: B&W
OFFICE: NY	PAPER SIZE: ARCH E
PROJECT NO.: 3583.0001Y000	
DRAWING FILE: 3583.0001Y166.04.DWG	

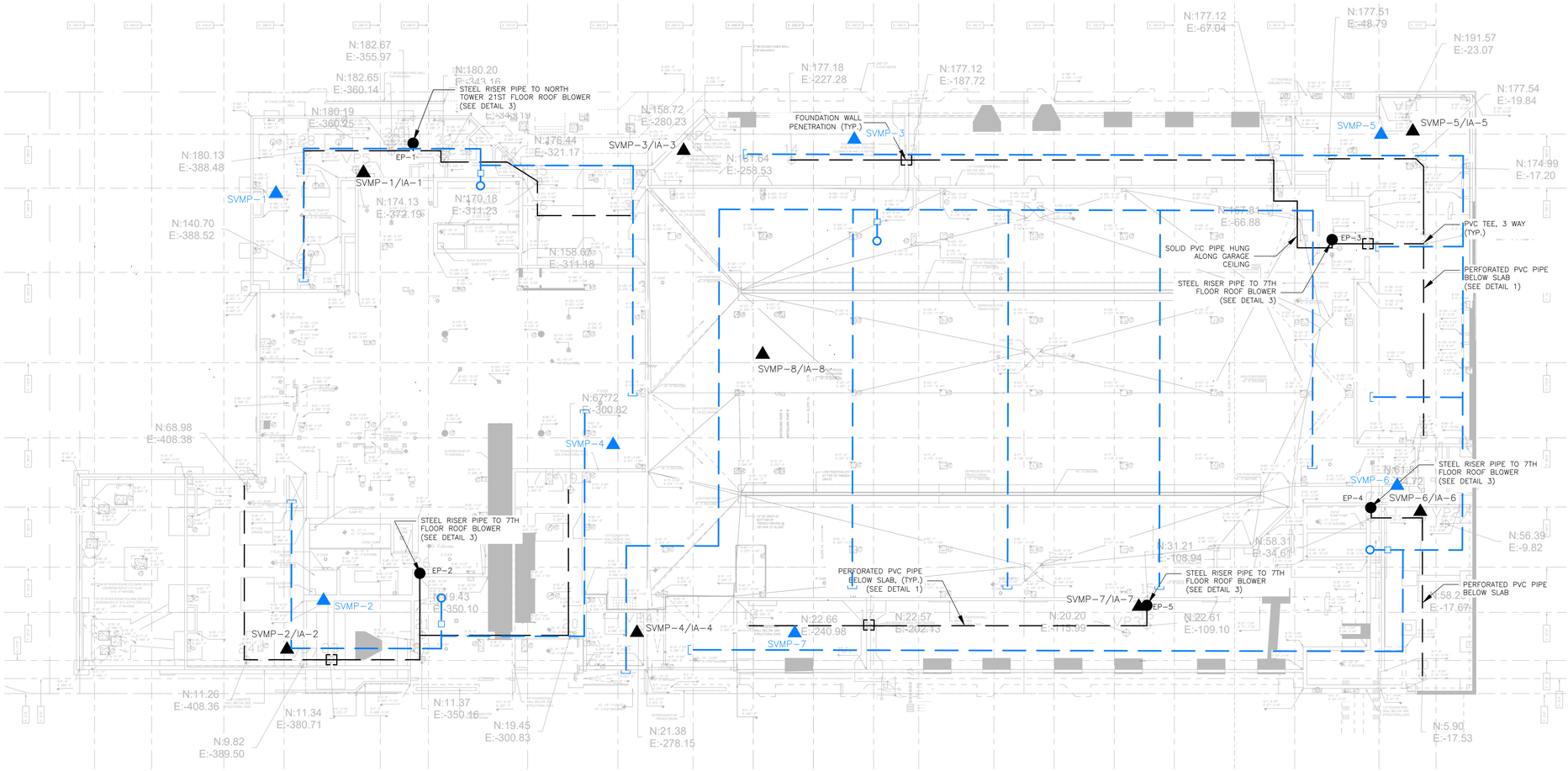
ROUX
Roux Environmental Engineering and Geology, D.P.C.
209 SHAFTER STREET ISLANDIA NEW YORK 11749
(631) 232-2600

PROJECT NAME:
GREENPOINT FERRY SITE
BROOKLYN, NEW YORK
PROJECT FOR:
1 JAVA OWNER, LLC

TITLE:
REMAINING SOIL VAPOR DETECTIONS

DRAWING NO.
6A

J:\CAD\PROJECTS\3583\Y\0001Y\166\3583.0001Y166.04.DWG 04MAY26



LEGEND

- PERFORATED PVC PIPE BELOW SLAB, SCHEDULE 40, 4" DIA.
- SOLID WALL PVC PIPE BELOW SLAB, SCHEDULE 40, 4" DIA.
- EP-1 — STEEL RISER PIPE EXTRACTION POINT, GALVANIZED, 4" DIA.
- SUB-SLAB FOUNDATION WALL PENETRATION
- SVMP-1/IA-1 — VAPOR MONITORING POINT/INDOOR AIR POINT
- RAWP PIPE DESIGN
- RAWP RISER EXTRACTION POINT
- SVMP-2 — RAWP VAPOR MONITORING POINT

REFERENCES

1. BASE MAP FROM FOUNDATION PLAN, DRAWING NO. FO-100, PROGRESS SET DATED NOVEMBER 19, 2021.

GENERAL NOTES

1. SUB-SLAB DEPRESSURIZATION SYSTEM PIPING INSTALLED IMMEDIATELY BELOW LOWEST SLAB AS SHOWN ON DETAILS. SOME SOLID PVC PIPE SECTIONS HUNG ALONG GARAGE CEILING, AS NOTED.
2. RISERS FOR SUB-SLAB DEPRESSURIZATION SYSTEM TERMINATE ON ROOF AND CONFORM WITH SETBACK REQUIREMENTS SHOWN ON DETAILS.
3. SUB-SLAB PIPING AT UTILITY CROSSINGS CONSTRUCTED IN CONFORMANCE WITH DETAIL 6.

15' 0 15'

NO.	DATE	REVISION DESCRIPTION	INT.

STATE OF NEW YORK — PAUL STEVEN MARCHAND — 88403 — LICENSED PROFESSIONAL ENGINEER

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PROJ. ENGINEER:	P.M.	DRAWN BY:	G.M.
DESIGNED BY:	P.M.	CHECKED BY:	P.M.
DRAWING SCALE:	AS SHOWN	PLOT SCALE:	1:1
DRAWING DATE:	15DEC25	PRINT TYPE:	B&W
OFFICE:	NY	PAPER SIZE:	ARCH E
PROJECT NO.:	3583.0001Y000		
DRAWING FILE:	3583.0001Y166.04.DWG		

ROUX
Roux Environmental Engineering and Geology, D.P.C.
209 SHAFTER STREET ISLANDIA NEW YORK 11749
(631) 232-2600

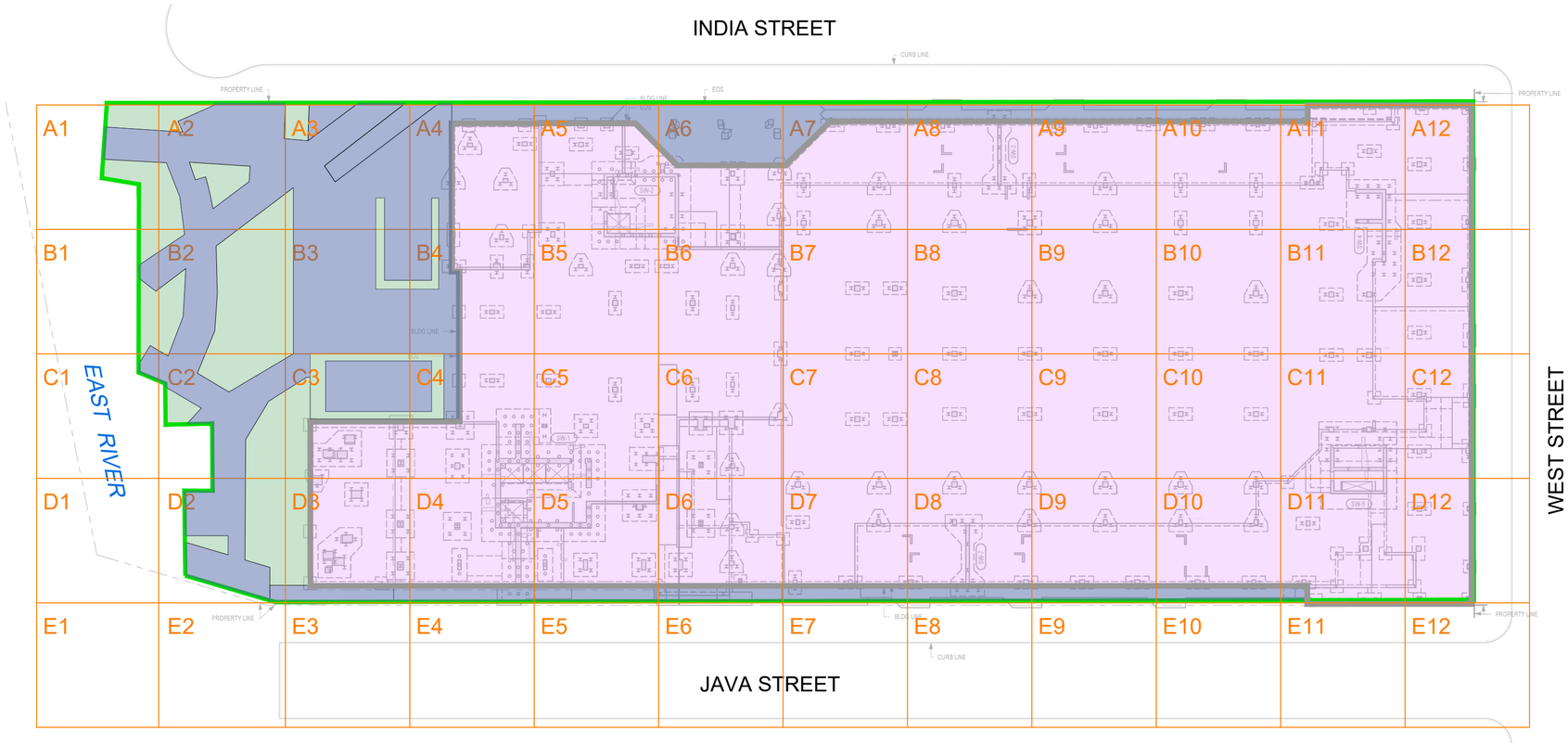
PROJECT NAME:
GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

PROJECT FOR:
1 JAVA OWNER, LLC

TITLE:
AS-BUILT DEVIATIONS FROM REMEDIAL ACTION WORK PLAN

DRAWING NO.
6B

V:\CAD\PROJECTS\3583\FIGS\0001Y\166\3583.0001Y166.04.DWG GMILTON

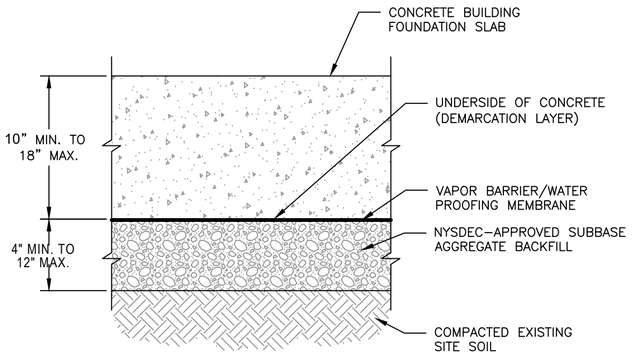


LEGEND

- BCP SITE BOUNDARY AND INSTITUTIONAL CONTROL BOUNDARY
- APPROXIMATE EXTENT OF BUILDING
- 50 FT ALPHANUMERIC GRID
- EXTERIOR LANDSCAPING WITH AT LEAST 2–FEET OF CLEAN FILL WITH UNDERLYING DEMARCATION (SEE DETAIL 3 AND NOTES 1 AND 2)
- EXTERIOR CONCRETE (SEE DETAIL 2 AND NOTE 2)
- CONCRETE BUILDING FOUNDATION WITH VAPOR BARRIER AND SSDS (SEE DETAIL 1 AND NOTE 2)

NOTE

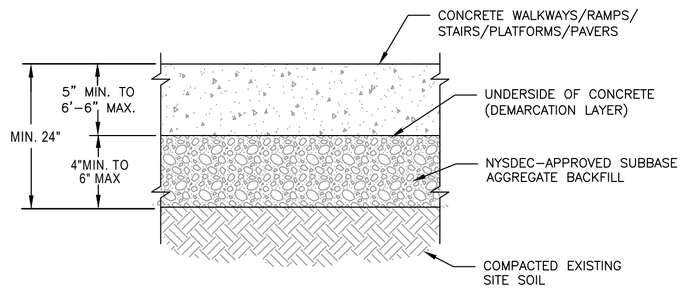
1. BACKFILL WAS APPROVED BY NYSDEC AND MEETS THE LOWER OF PART 375 RRSCOS OR PGWSCOS (WITH THE EXCEPTION OF VIRGIN GRANULAR FILL MATERIALS WITH LESS THAN 10 PERCENT PASSING THE NUMBER 80 SIEVE). FILL MATERIALS WITH LESS THAN 10 PERCENT PASSING THE NUMBER 80 SIEVE (I.E., STONE, GRAVEL, ET.) DID NOT REQUIRE SAMPLING.
2. SPECIFIC DETAILS FOR SITE COVER SYSTEM IN AREAS OF THE SITE ARE PROVIDED IN APPENDIX R.



1 SITE COVER SYSTEM: CONCRETE BUILDING FOUNDATION

SCALE: NOT TO SCALE

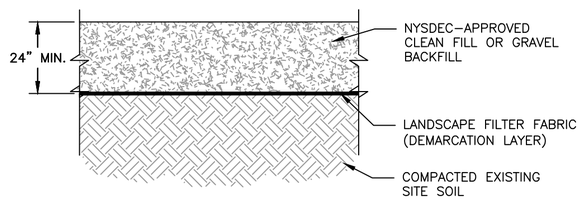
NOTE: FOR SITE COVER SYSTEM CONCRETE BUILDING FOUNDATION DETAILS SEE APPENDIX R, OWNER CONSTRUCTION DRAWINGS, 1 JAVA-FOUNDATION PLANS, DRAWINGS FO-100.01 THROUGH FO-106.00 FOR PLAN VIEW AND DRAWINGS FO-207.01, FO-208.00, FO-209.00, AND FO-300.01 THROUGH FO-305.00 FOR TYPICAL FOUNDATION SECTIONS.



2 SITE COVER SYSTEM: EXTERIOR CONCRETE

SCALE: NOT TO SCALE

NOTE: FOR SITE COVER SYSTEM EXTERIOR CONCRETE DETAILS SEE APPENDIX R, OWNER CONSTRUCTION DRAWINGS, 1 JAVA-WATERFRONT PLANS, DRAWINGS WSS-101.00 AND WSS-102.00 FOR PLAN VIEW AND DRAWINGS WSS-201.00 THROUGH WSS-203.00 AND WSS-501.00 THROUGH WSS-504.00 FOR SECTIONS AND TYPICAL DETAILS.



3 SITE COVER SYSTEM: EXTERIOR LANDSCAPING

SCALE: NOT TO SCALE

N

40' 0 40'

Title:

SITE WIDE COVER SYSTEM PLAN

GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

Prepared for:

1 JAVA OWNER LLC

STATE OF NEW YORK · PAUL STEVEN MARTORANA · 88403 · LICENSED PROFESSIONAL ENGINEER

ROUX

Compiled by: B.H.	Date: 29DEC25	FIGURE 7
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: B.H.	Project: 3583.0001Y000	
File: 3583.0001Y167.04.DWG		

V:\CAD\PROJECTS\3583Y\0001Y\167\3583.0001Y167.04.DWG

APPENDICES

A. Survey Map, Metes and Bounds

B. Environmental Easement

C. Digital Copy of the FER (CD in printed copy only)

D. Environmental Footprint Analysis Summary

E. Daily Reports

F. CAMP Field Data Sheets and Air Monitoring Data

G. NYSDEC Approvals of Substantive Technical Requirements

H. Remediation- Related Permits

I. Monthly Reports (CD)

J. Project Photo Log (CD)

K. Non-hazardous Soil/Waste Characterization Documentation

L. Hazardous Soil/Waste Characterization Documentation

M. Soil Reuse and Rock Dust Reuse Plans

N. Imported Materials Documentation

O. Data Usability Summary Reports and EDD Acceptance Documentation

P. Raw Analytical Laboratory Data

Q. Well Construction Logs

R. Owner Construction Drawings

S. Active SSDS Start-Up Certification

T. EC As-Built Drawings and Documentation

APPENDIX A

Survey Map, Metes and Bounds

Part of Tax Lot 1 in Block 2538

ALL THAT CERTAIN plot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at the corner formed by the intersection of the westerly side of West Street with the northerly side of Java Street;

RUNNING THENCE northerly along the westerly side of West Street, 200 feet to the southerly side of India Street;

THENCE westerly along the southerly side of India Street and a line in continuation thereof, 584.50 feet to the exterior line of the established bulkhead along the East River approved by The Secretary of War in 1917;

THENCE southerly along said exterior line of said bulkhead, 183.63 feet to a point in a line drawn parallel with the northerly side of Java Street and its prolongation westerly and distant 20 feet northerly therefrom;

THENCE easterly on a line forming an interior angles of 117 degrees 54 minutes 27 seconds with the last mentioned course, 70.47 feet to a point on the northerly side of Java Street distant 480.58 feet westerly from the northwest corner of said Java Street and West Street;

THENCE easterly along said northerly side of Java Street, 480.58 feet to the point or place of BEGINNING.

For Information Only: Premises known as 14-28 India Street a/k/a 1-45 Java Street a/k/a 127-141 West Street, Brooklyn, NY and designated as Block 2538 part of Lot 1 as shown on the Tax Map of the City of New York, County of Kings

TOGETHER WITH the benefits of that certain Pier Easement Agreement made between The People of the State of New York and 1 Java Owner LLC dated 11/10/2021 and to be recorded in the Office of the City Register of the County of Kings.

Legal Description of Easement Area

BEGINNING AT THE INTERSECTION OF THE NORTHERLY LINE OF JAVA STREET (60 FEET WIDE) AND THE WESTERLY LINE OF WEST STREET (60 FEET WIDE), AND FROM SAID POINT AND PLACE OF BEGINNING

A. RUNNING THENCE; ALONG THE NORTHERLY LINE OF JAVA STREET, SOUTH 82 DEGREES 56 MINUTES 11 SECONDS WEST, A DISTANCE OF 480.58 FEET TO A POINT,

B. THENCE; NORTH 80 DEGREES 34 MINUTES 25 SECONDS WEST, A DISTANCE OF 37.42 FEET TO A POINT,

C. THENCE; NORTH 07 DEGREES 39 MINUTES 31 SECONDS WEST, A DISTANCE OF 34.06 FEET TO A POINT,

D. THENCE; NORTH 83 DEGREES 14 MINUTES 13 SECONDS EAST, A DISTANCE OF 11.32 FEET TO A POINT,

E. THENCE; NORTH 07 DEGREES 22 MINUTES 35 SECONDS WEST, A DISTANCE OF 26.90 FEET TO A POINT,

F. THENCE; NORTH 81 DEGREES 41 MINUTES 19 SECONDS WEST, A DISTANCE OF 18.65 FEET TO A POINT,

G. THENCE; NORTH 07 DEGREES 29 MINUTES 07 SECONDS WEST, A DISTANCE OF 16.45 FEET TO A POINT,

H. THENCE; NORTH 74 DEGREES 16 MINUTES 19 SECONDS WEST, A DISTANCE OF 11.62 FEET TO A POINT,

I. THENCE; NORTH 06 DEGREES 51 MINUTES 40 SECONDS WEST, A DISTANCE OF 75.38 FEET TO A POINT,

J. THENCE; SOUTH 87 DEGREES 32 MINUTES 34 SECONDS WEST, A DISTANCE OF 15.13 FEET TO A POINT,

K. THENCE; NORTH 03 DEGREES 06 MINUTES 10 SECONDS WEST, A DISTANCE OF 30.14 FEET TO A POINT,

L. THENCE; ALONG THE SOUTHERLY LINE OF INDIA STREET (60 FEET WIDE) NORTH 82 DEGREES 56 MINUTES 11 SECONDS EAST, A DISTANCE OF 547.71 FEET TO A POINT,

M. THENCE; ALONG THE WESTERLY SIDE OF AFOREMENTIONED WEST STREET SOUTH 07 DEGREES 03 MINUTES 49 SECONDS EAST, A DISTANCE OF 200.00 FEET TO THE POINT OR PLACE OF BEGINNING.

CONTAINING 105,440 SQUARE FEET OR 2.4205 ACRES

Legend

TRACK 4 AREA

Linetypes

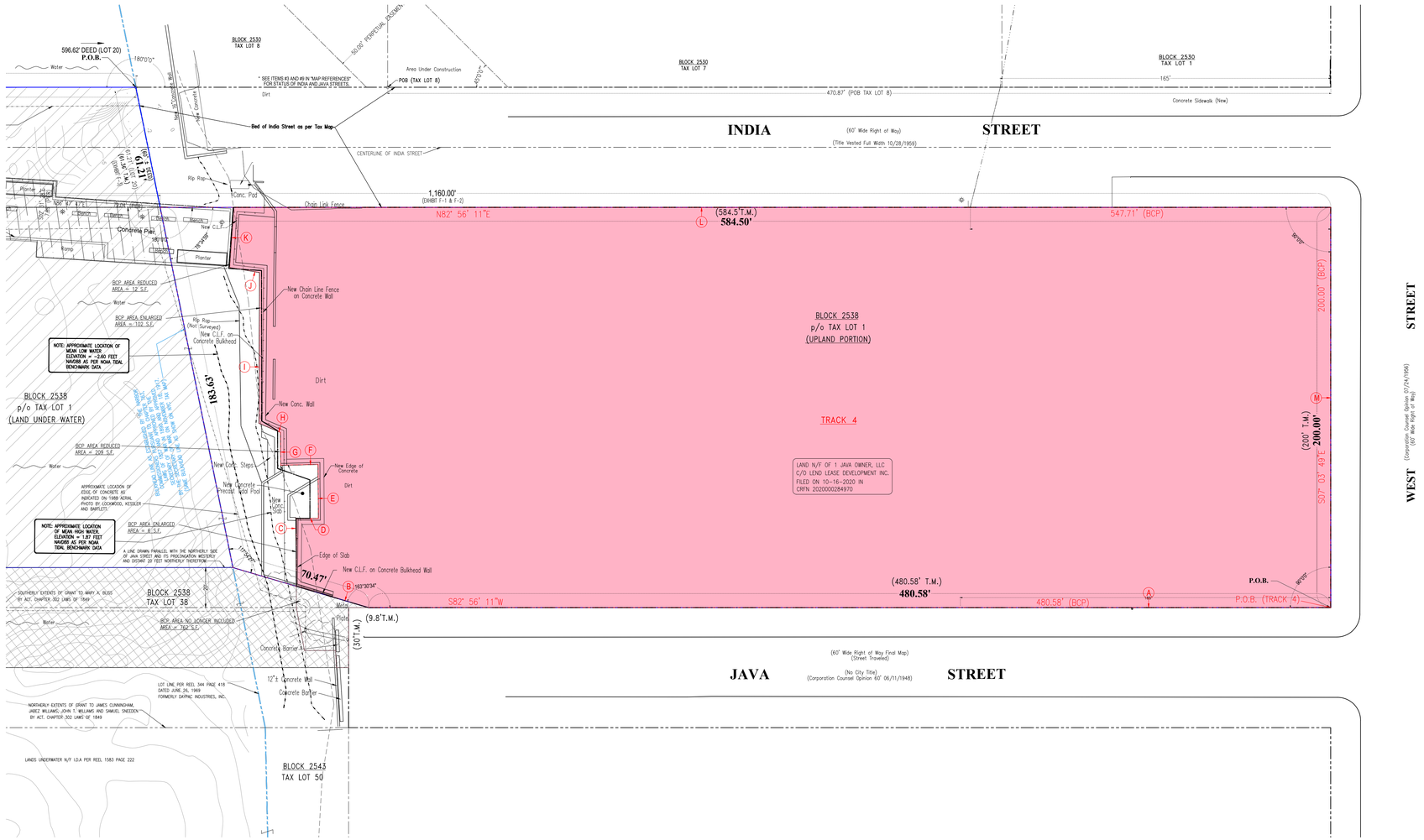
NYC R.O.W.

PROPERTY LINE

TRACK 4

NYS DEPARTMENT OF ENVIRONMENTAL Conservation Note

"This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law. The engineering and institutional controls for this Easement are set forth in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with an interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov".



Map Amendments

NO.	DATE	DESCRIPTION	DRWN BY	APPROV. BY

Graphic Scale

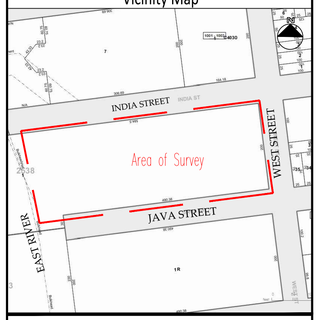
30 0 15 30 60 90

1 inch = 30 Feet

Miscellaneous Notes

1. NOT RESPONSIBLE FOR THE LOCATION FOR ANY UNDERGROUND STRUCTURES, VAULTS, TANKS OR OTHER APPURTENANCES. THE USER OF THIS SURVEY SHOULD BE AWARE THAT WRITTEN AND UNWRITTEN EASEMENTS MAY GIVE OTHERS RIGHTS WHICH MAY AFFECT THE USE OF THIS PROPERTY.
2. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
3. "COPIES FROM THE ORIGINAL OF THIS SURVEY MAP NOT MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S INKED SEAL OR HIS EMBOSSED SEAL SHALL NOT BE CONSIDERED A VALID TRUE COPY."
4. ALL ELEVATIONS NOTED ON THIS SURVEY ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 AS ESTABLISHED AND MAINTAINED BY THE NATIONAL GEODETIC SURVEY OF THE NATIONAL OCEAN SERVICE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION OR SUCCESSOR AGENCY, WHICH IS HEREBY ESTABLISHED AS THE CITY DATUM BY LOCAL LAW 96 OF 2013.
5. THE OFFSETS AND DIMENSIONS SHOWN FROM THE STRUCTURES TO THE PROPERTY LINES ARE FOR A SPECIFIC PURPOSE AND USE AND THEREFORE ARE NOT INTENDED TO GUIDE THE ERECTION OF STRUCTURES AND ANY OTHER CONSTRUCTION.
6. BEFORE PERFORMING ANY EXCAVATION OR DRILLING ON THIS SITE, IT IS REQUIRED THAT SUBSURFACE SERVICE, INCLUDING THE UNDERGROUND MAINS, DUCTS, AND CABLES BE MARKED AND IDENTIFIED BY THE UTILITY COMPANY OR AGENCY INVOLVED, THIS SHOULD BE DONE BY PROVIDING THE AFFECTED UTILITY WITH THE NOTICE REFERRED TO IN THE STATE OF NEW YORK INDUSTRIAL CODE 53.
5. CERTIFICATIONS ON THIS BOUNDARY SURVEY MAP SIGNIFY THAT THE MAP WAS PREPARED IN ACCORDANCE WITH THE CURRENT EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS, INC.

Vicinity Map



nycls
New York City Land Surveyors, PC
63 Montgomery Avenue, S.I., NY 10301
Phone: 718-816-8182 Fax: 718-816-8124
www.nycsurveyors.com

Client: LEND LEASE

Map of Survey of Property
in the
County of Kings
Borough of Brooklyn
City of New York

Site Address:
127-141 WEST STREET
BROOKLYN, NY 11222

Block: 2538 / Lot: P/O LOT 1

Project Number:	2020-65-2538K
Survey Date:	10-22-2024
Survey Title:	TRACK 4 BOUNDARY SURVEY
Scale:	1"=30'
Drawn By:	SJ / Approved By: P. Jones

Surveyors Certificate

To:
New York State Department of Environmental Conservation:

This is to certify that this survey was prepared in accordance with the existing code of practice for land surveys, adopted by the New York State Association of Professional Land Surveyors, and said certifications shall run only to the person for whom the survey was prepared, and on his/her behalf to the title company, governmental agency and lending institution listed hereon, and to the assignee of the lending institution, certifications are not transferable to additional institutions or subsequent owners.

Date of Plat or Map: March 18, 2025

STATE OF NEW YORK
PATRICK BENEDICT JONES
050624
LICENSED LAND SURVEYOR

Patrick B. Jones
New York State Licensed Land Surveyor
63 Montgomery Avenue, Staten Island, NY 10301
O. 718.816.8182
License # 050624

Date of last Update by Visual Inspection: 10-22-24

APPENDIX B

Environmental Easement

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument.The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2025091800289001001E2524

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 14**

Document ID: 2025091800289001 Document Date: 08-26-2025 Preparation Date: 10-06-2025
Document Type: EASEMENT
Document Page Count: 13

PRESENTER:
ROYAL REGISTERED PROPERTY REPORTS (FILE#)
125 PARK AVENUE, SUITE 1610
NEW YORK, NY 10017
212-376-0900
sdejesus@ROYALABSTRACT.COM

RETURN TO:
ROYAL REGISTERED PROPERTY REPORTS (FILE#)
125 PARK AVENUE, SUITE 1610
NEW YORK, NY 10017
212-376-0900
sdejesus@ROYALABSTRACT.COM

PROPERTY DATA

Borough	Block	Lot	Unit	Address
BROOKLYN	2538	1	Entire Lot	127-141 WEST STREET

Property Type: OTHER Easement

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year_____ Reel____ Page_____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
1 JAVA OWNER LLC
200 PARK AVENUE, 9TH FLOOR
NEW YORK, NY 10166

GRANTEE/BUYER:
PEOPLE OF NEW YORK BY DEPT. ENVIRONMENTAL CONSERVA
625 BROADWAY
ALBANY, NY 12233

FEES AND TAXES

Mortgage :

Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	102.00
Affidavit Fee:	$	0.00

Filing Fee: $ 100.00

NYC Real Property Transfer Tax: $ 0.00

NYS Real Estate Transfer Tax: $ 0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 10-06-2025 17:12
City Register File No.(CRFN): **2025000272833**

City Register Official Signature

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 26th day of August, 2025, between Owner, 1 Java Owner LLC, having an office at 300 Park Avenue, Suite 1402, New York, County and State of New York (the "Grantor"), and The People of the State of New York (the "Grantee"), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 127-141 West Street in the City of New York, County of Kings and State of New York, known and designated on the tax map of the New York City Department of Finance as tax map parcel number: Block 2538 Lot 1, being the same as that property conveyed to Grantor by deed dated October 7, 2020 and recorded in the City Register of the City of New York in City Register File No. 2020000284970. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 2.4205 +/- acres, and is hereinafter more fully described in the Land Title Survey dated October 22, 2024 prepared by Patrick Benedict Jones, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: C224272-08-15, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property

A. (1) The Controlled Property may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining

contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation

Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against

the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C224272
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the

recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

11. Consistency with the SMP. To the extent there is any conflict or inconsistency between the terms of this Environmental Easement and the SMP, regarding matters specifically addressed by the SMP, the terms of the SMP will control.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

1 Java Owner LLC:

By: _____

Print Name: LAYTH MADI

Title: DIRECTOR OF DEVELOPMENT MANAGEMENT AND OPERATIONS Date: 8/13/2025

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF NEW YORK)

On the 13th day of August, in the year 2025 before me, the undersigned, personally appeared Layth Madi, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

SOFIA FRROKAJ
NOTARY PUBLIC-STATE OF NEW YORK
No. 01FR0006301
Qualified In Westchester County
My Commission Expires 04-26-2027

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting by and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Andrew O. Guglielmi, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 26th day of August, in the year 2025 before me, the undersigned, personally appeared Andrew O. Guglielmi, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

Cheryl A. Salem
Notary Public State of New York
Registration No. 01SA0002177
Qualified in Albany County
My Commission Expires March 3, 2027

SCHEDULE "A" PROPERTY DESCRIPTION

Easement Description

BEGINNING AT THE INTERSECTION OF THE NORTHERLY LINE OF JAVA STREET (60 FEET WIDE) AND THE WESTERLY LINE OF WEST STREET (60 FEET WIDE), AND FROM SAID POINT AND PLACE OF BEGINNING

A. RUNNING THENCE; ALONG THE NORTHERLY LINE OF JAVA STREET, SOUTH 82 DEGREES 56 MINUTES 11 SECONDS WEST, A DISTANCE OF 480.58 FEET TO A POINT,
B. THENCE; NORTH 80 DEGREES 34 MINUTES 25 SECONDS WEST, A DISTANCE OF 37.42 FEET TO A POINT,
C. THENCE; NORTH 07 DEGREES 39 MINUTES 31 SECONDS WEST, A DISTANCE OF 34.06 FEET TO A POINT,
D. THENCE; NORTH 83 DEGREES 14 MINUTES 13 SECONDS EAST, A DISTANCE OF 11.32 FEET TO A POINT.
E. THENCE; NORTH 07 DEGREES 22 MINUTES 35 SECONDS WEST, A DISTANCE OF 26.90 FEET TO A POINT,
F. THENCE; NORTH 81 DEGREES 41 MINUTES 19 SECONDS WEST, A DISTANCE OF 18.65 FEET TO A POINT,
G. THENCE; NORTH 07 DEGREES 29 MINUTES 07 SECONDS WEST, A DISTANCE OF 16.45 FEET TO A POINT,
H. THENCE; NORTH 74 DEGREES 16 MINUTES 19 SECONDS WEST, A DISTANCE OF 11.62 FEET TO A POINT,
I. THENCE; NORTH 06 DEGREES 51 MINUTES 40 SECONDS WEST, A DISTANCE OF 75.38 FEET TO A POINT,
J. THENCE; SOUTH 87 DEGREES 32 MINUTES 34 SECONDS WEST, A DISTANCE OF 15.13 FEET TO A POINT,
K. THENCE; NORTH 03 DEGREES 06 MINUTES 10 SECONDS WEST, A DISTANCE OF 30.14 FEET TO A POINT,
L. THENCE; ALONG THE SOUTHERLY LINE OF INDIA STREET (60 FEET WIDE) NORTH 82 DEGREES 56 MINUTES 11 SECONDS EAST, A DISTANCE OF 547.71 FEET TO A POINT,
M. THENCE; ALONG THE WESTERLY SIDE OF AFOREMENTIONED WEST STREET SOUTH 07 DEGREES 03 MINUTES 49 SECONDS EAST, A DISTANCE OF 200.00 FEET TO THE POINT OR PLACE OF BEGINNING.

CONTAINING 105,440 SQUARE FEET OR 2.4205 ACRES

Deed Description (P/O Lot 1)

ALL THAT CERTAIN plot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at the corner formed by the intersection of the westerly side of West Street with the northerly side of Java Street;

RUNNING THENCE northerly along the westerly side of West Street, 200 feet to the southerly side of India Street;

THENCE westerly along the southerly side of India Street and a line in continuation thereof, 584.50 feet to the exterior line of the established bulkhead along the East River approved by The Secretary of War in 1917;

THENCE southerly along said exterior line of said bulkhead, 183.63 feet to a point in a line drawn parallel with the northerly side of Java Street and its prolongation westerly and distant 20 feet northerly therefrom;

THENCE easterly on a line forming an interior angles of 117 degrees 54 minutes 27 seconds with the last mentioned course, 70.47 feet to a point on the northerly side of Java Street distant 480.58 feet westerly from the northwest corner of said Java Street and West Street;

THENCE easterly along said northerly side of Java Street, 480.58 feet to the point or place of BEGINNING.

For Information Only: Premises known as 14-28 India Street a/k/a 1-45 Java Street a/k/a 127-141 West Street, Brooklyn, NY and designated as Block 2538 part of Lot 1 as shown on the Tax Map of the City of New York, County of Kings

TOGETHER WITH the benefits of that certain Pier Easement Agreement made between The People of the State of New York and 1 Java Owner LLC dated 11/10/2021 and to be recorded in the Office of the City Register of the County of Kings.

APPENDIX C

Digital Copy of the FER

(Provided on CD in Bound Copy)

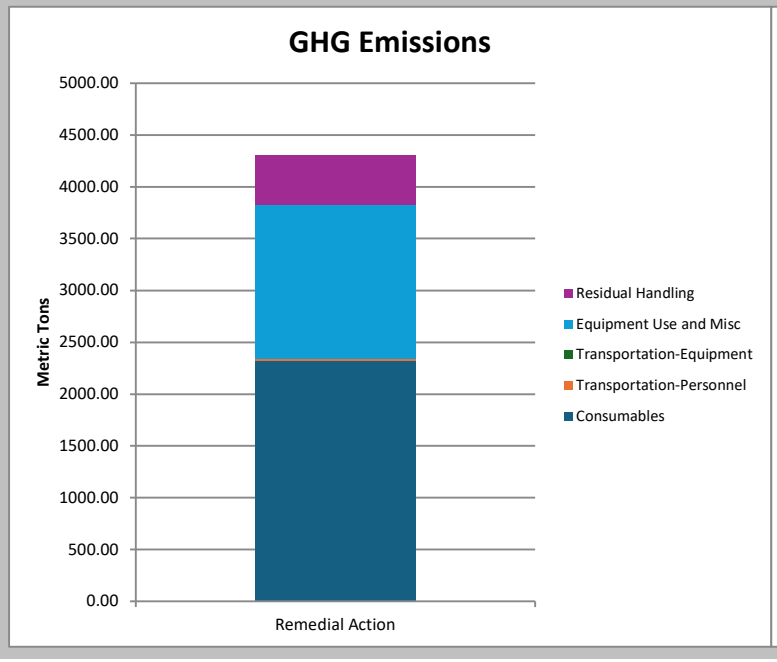
APPENDIX D

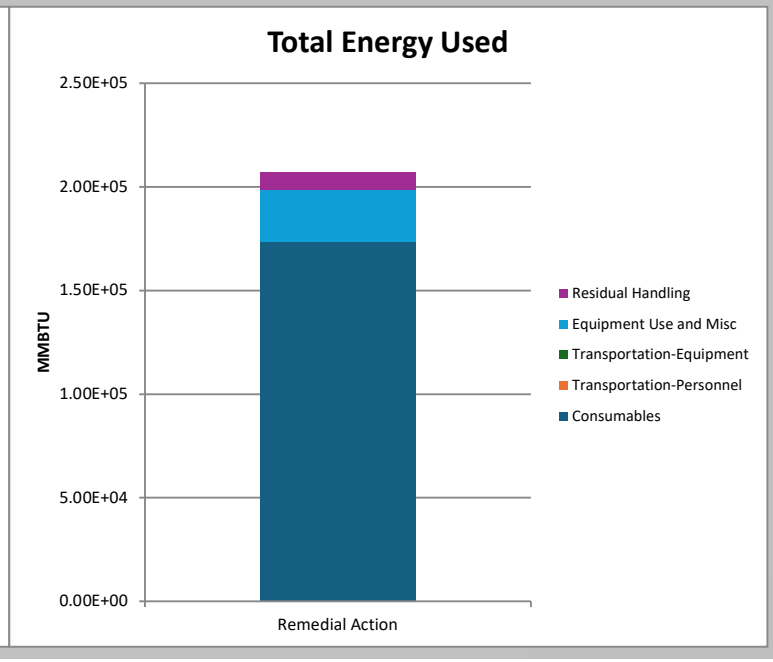
Environmental Footprint Analysis Summary

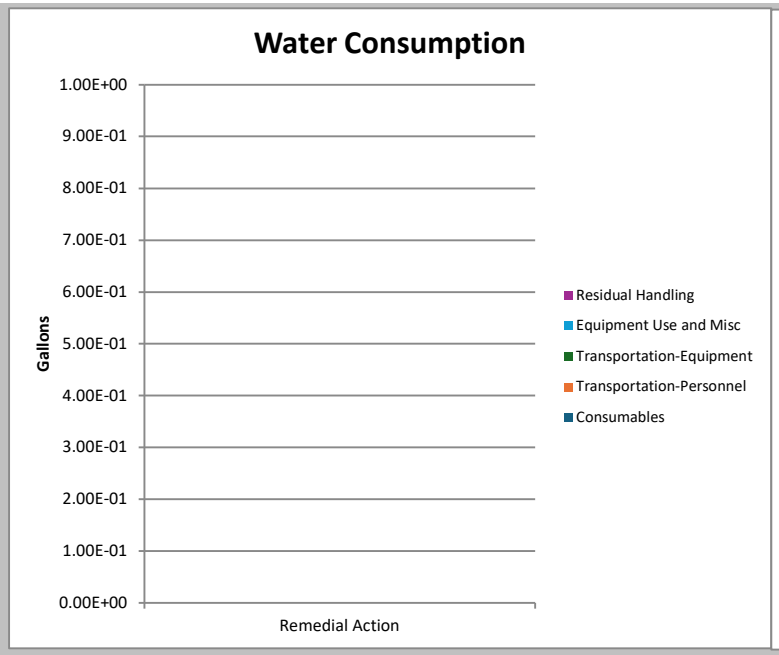
Sustainable Remediation - Environmental Footprint Summary
1 Java Street

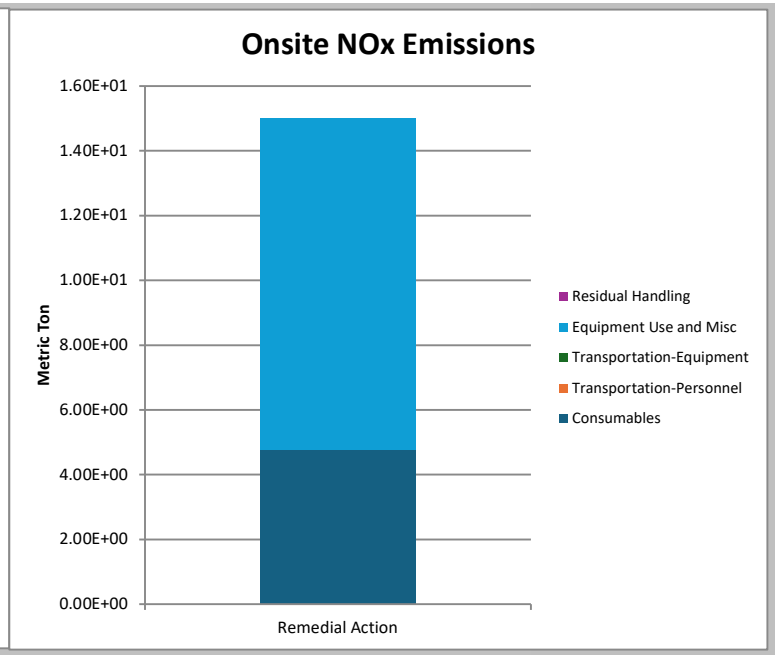
Phase	Activities	GHG Emissions	Total Energy Used	Water Consumption	Electricity Usage	Onsite NOx Emissions	Onsite SOx Emissions	Onsite PM10 Emissions	Total NOx Emissions	Total SOx Emissions	Total PM10 Emissions	Accident Risk Fatality	Accident Risk Injury
		metric ton	MMBTU	gallons	MWH	metric ton	metric ton	metric ton	metric ton	metric ton	metric ton		
Remedial Action	Consumables	2,337.33	1.7E+05	NA	NA	4.8E+00	7.1E+00	1.1E+00	4.8E+00	7.1E+00	1.1E+00	NA	NA
	Transportation-P	20.78	2.6E+02	NA	NA	NA	NA	NA	7.7E-03	2.7E-04	1.6E-03	4.3E-04	3.4E-02
	Transportation-E	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Equipment Use a	1,475.99	2.5E+04	0.0E+00	0.0E+00	1.0E+01	1.9E+00	1.0E+00	1.1E+01	2.6E+00	1.2E+00	6.3E-03	1.6E+00
	Residual Handlin	469.68	7.8E+03	NA	NA	0.0E+00	0.0E+00	0.0E+00	1.6E+00	8.4E-01	4.5E+00	6.4E-04	5.2E-02
	Sub-Total	4,303.78	2.07E+05	0.00E+00	0.00E+00	1.50E+01	9.05E+00	2.17E+00	1.78E+01	1.05E+01	6.85E+00	7.33E-03	1.66E+00
Component 2	Consumables	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	NA	NA
	Transportation-P	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Transportation-E	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Equipment Use a	0.00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Residual Handlin	0.00	0.0E+00	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Sub-Total	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Component 3	Consumables	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	NA	NA
	Transportation-P	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Transportation-E	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Equipment Use a	0.00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Residual Handlin	0.00	0.0E+00	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Sub-Total	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Component 4	Consumables	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	NA	NA
	Transportation-P	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Transportation-E	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Equipment Use a	0.00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Residual Handlin	0.00	0.0E+00	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Sub-Total	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total		**4.3E+03**	**2.1E+05**	**0.0E+00**	**0.0E+00**	**1.5E+01**	**9.1E+00**	**2.2E+00**	**1.8E+01**	**1.1E+01**	**6.8E+00**	**7.3E-03**	**1.7E+00**

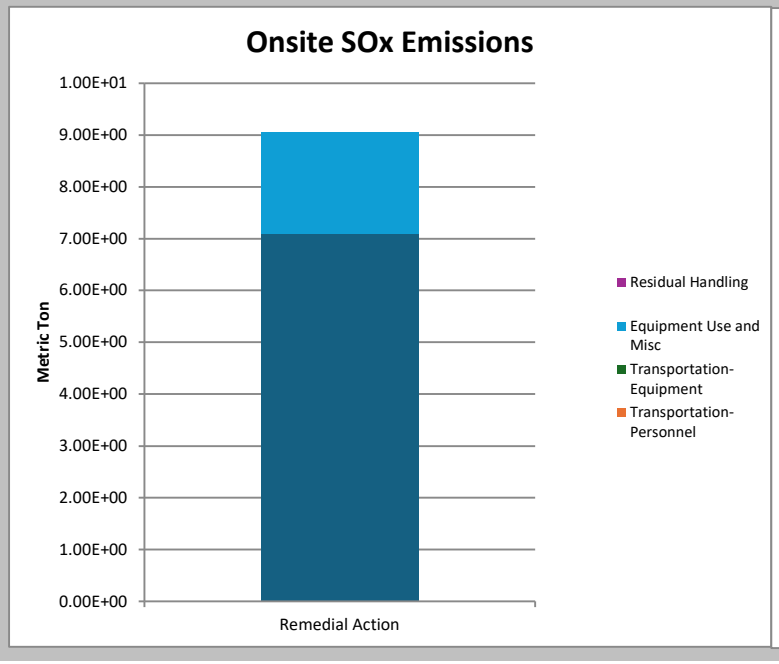
Remedial Alternative Phase	Non-Hazardous Waste Landfill Space	Hazardous Waste Landfill Space	Topsoil Consumption	Costing	Lost Hours - Injury	Percent electricity from renewable sources	Total Cost with Footprint Reduction
	tons	tons	cubic yards	$		%	
Remedial Action	2.4E+04	8.1E+02	1.4E+02	0	1.3E+01	0.0%	$0
Component 2	0.0E+00	0.0E+00	0.0E+00	0	0.0E+00	0.0%	
Component 3	0.0E+00	0.0E+00	0.0E+00	0	0.0E+00	0.0%	
Component 4	0.0E+00	0.0E+00	0.0E+00	0	0.0E+00	0.0%	
Total	2.4E+04	8.1E+02	1.4E+02	$0	1.3E+01	0.0%	

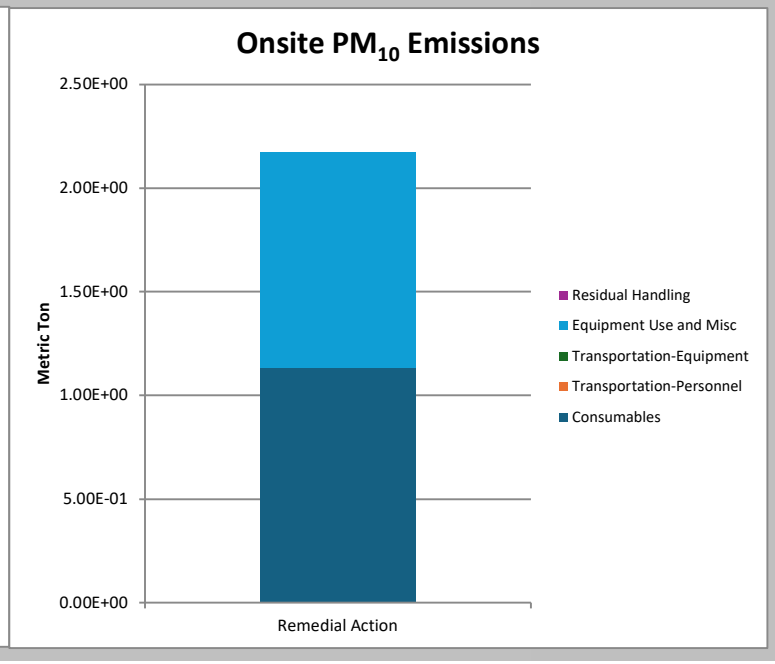


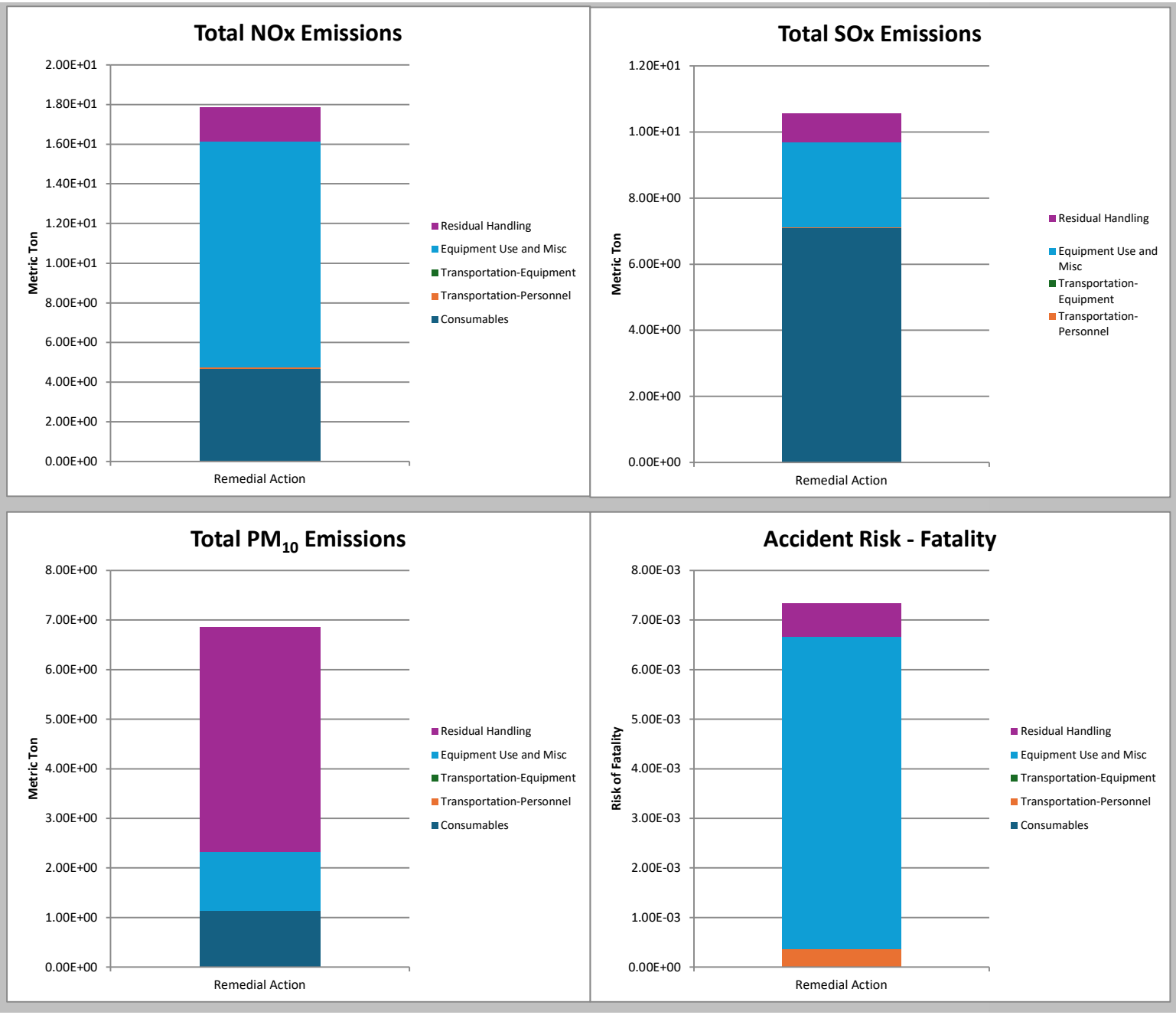


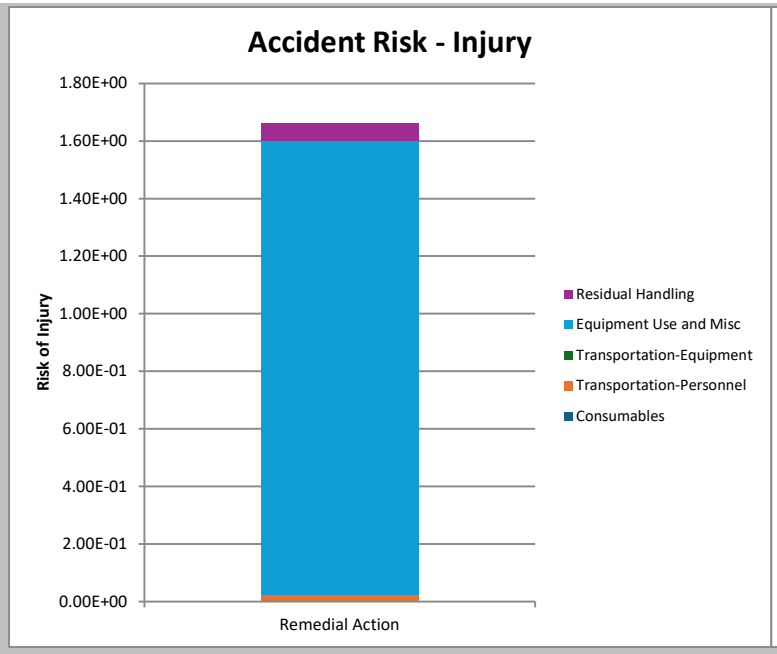

Water Consumption
1.00E+00
9.00E-01
8.00E-01
7.00E-01
6.00E-01
5.00E-01
4.00E-01
3.00E-01
2.00E-01
1.00E-01
0.00E+00
Gallons
Remedial Action
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables

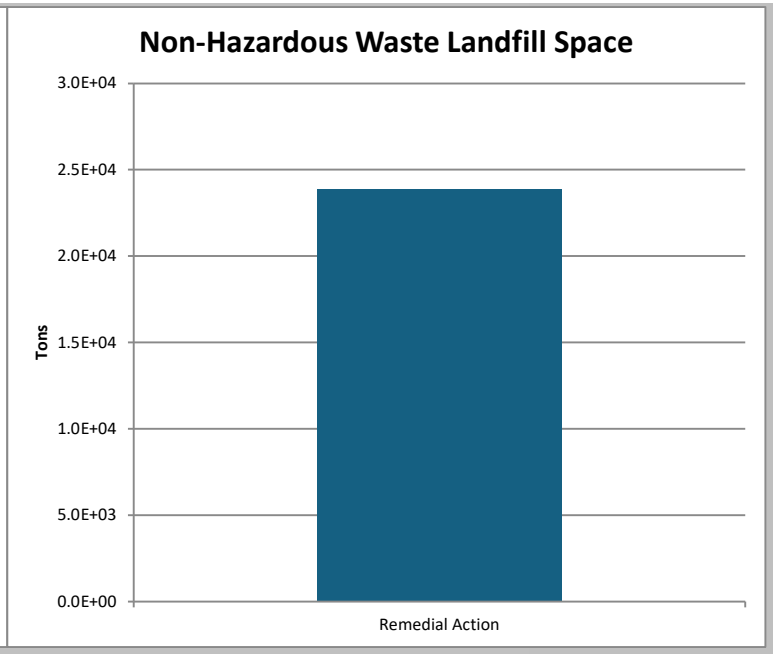

Onsite NOx Emissions
1.60E+01
1.40E+01
1.20E+01
1.00E+01
8.00E+00
6.00E+00
4.00E+00
2.00E+00
0.00E+00
Metric Ton
Remedial Action
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables

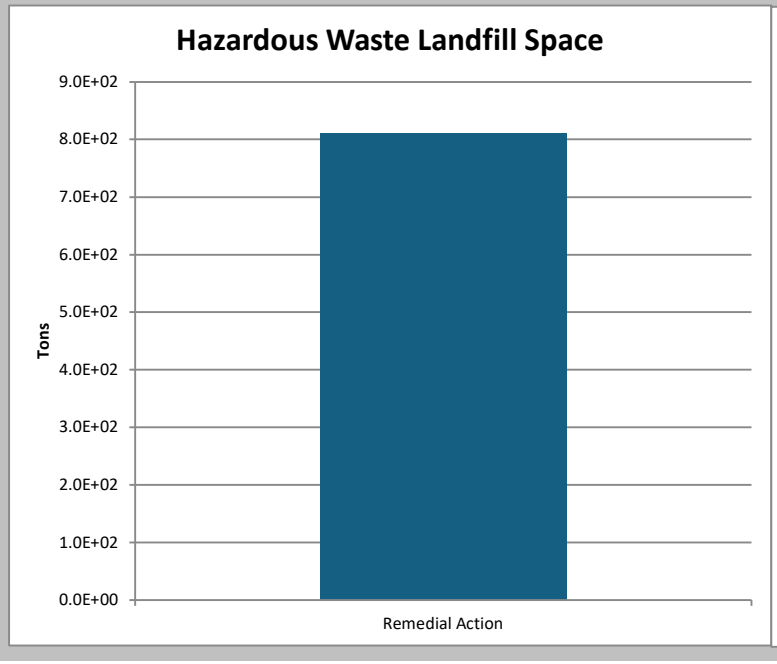

Onsite SOx Emissions
1.00E+01
9.00E+00
8.00E+00
7.00E+00
6.00E+00
5.00E+00
4.00E+00
3.00E+00
2.00E+00
1.00E+00
0.00E+00
Metric Ton
Remedial Action
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel

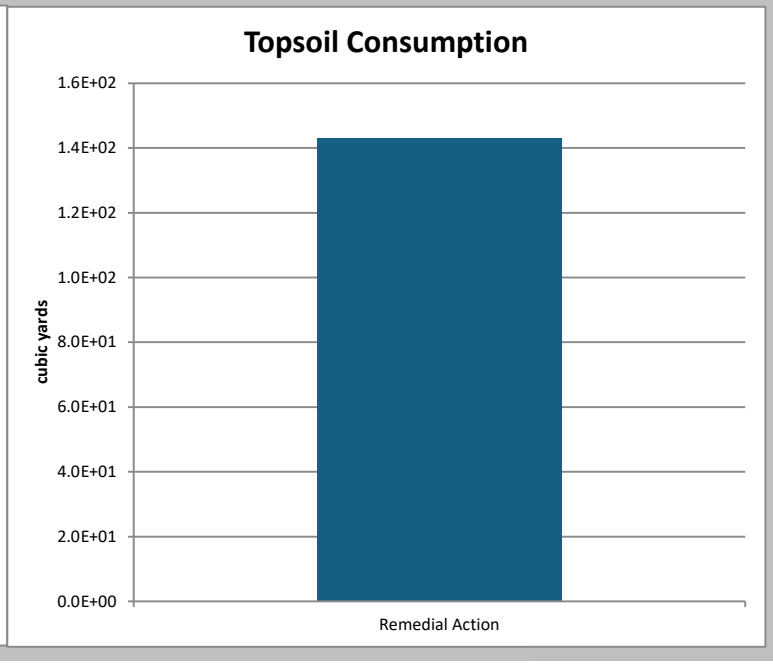

Onsite PM10 Emissions
2.50E+00
2.00E+00
1.50E+00
1.00E+00
5.00E-01
0.00E+00
Metric Ton
Remedial Action
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables

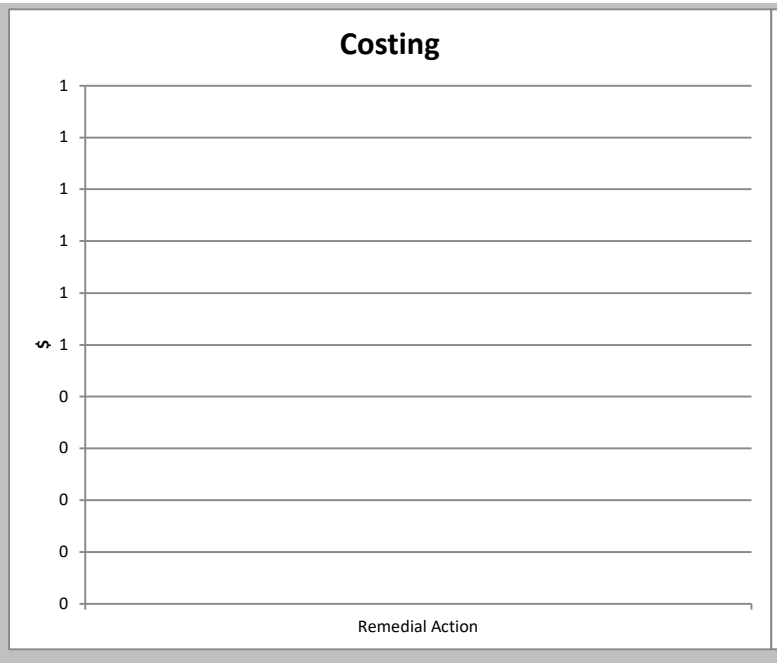

Total NOx Emissions
Metric Ton
2.00E+01
1.80E+01
1.60E+01
1.40E+01
1.20E+01
1.00E+01
8.00E+00
6.00E+00
4.00E+00
2.00E+00
0.00E+00
Remedial Action
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables
Total SOx Emissions
Metric Ton
1.20E+01
1.00E+01
8.00E+00
6.00E+00
4.00E+00
2.00E+00
0.00E+00
Remedial Action
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Total PM10 Emissions
Metric Ton
8.00E+00
7.00E+00
6.00E+00
5.00E+00
4.00E+00
3.00E+00
2.00E+00
1.00E+00
0.00E+00
Remedial Action
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables
Accident Risk - Fatality
Risk of Fatality
8.00E-03
7.00E-03
6.00E-03
5.00E-03
4.00E-03
3.00E-03
2.00E-03
1.00E-03
0.00E+00
Remedial Action
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables

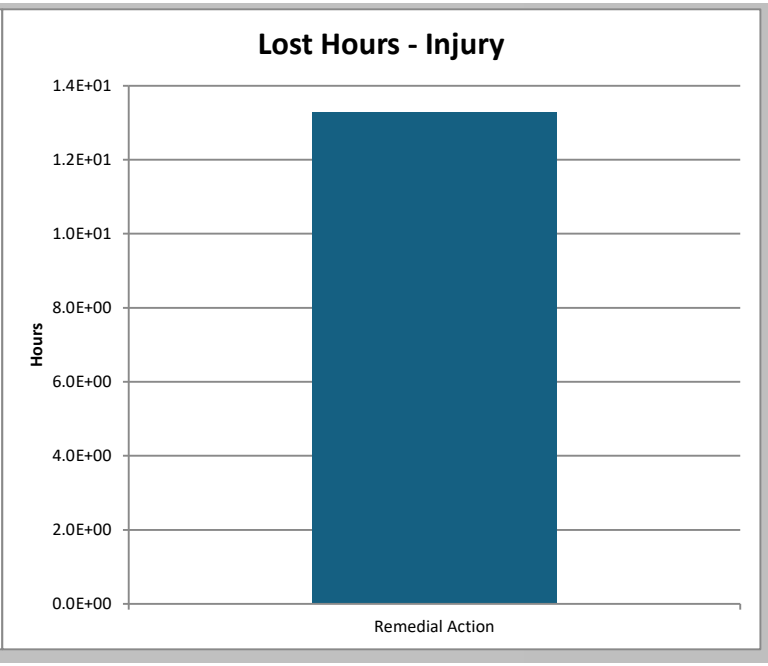

Accident Risk - Injury
1.80E+00
1.60E+00
1.40E+00
1.20E+00
1.00E+00
8.00E-01
6.00E-01
4.00E-01
2.00E-01
0.00E+00
Risk of Injury
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables
Remedial Action


Non-Hazardous Waste Landfill Space
3.0E+04
2.5E+04
2.0E+04
1.5E+04
1.0E+04
5.0E+03
0.0E+00
Tons
Remedial Action


Hazardous Waste Landfill Space
9.0E+02
8.0E+02
7.0E+02
6.0E+02
5.0E+02
4.0E+02
3.0E+02
2.0E+02
1.0E+02
0.0E+00
Tons
Remedial Action


Topsoil Consumption
1.6E+02
1.4E+02
1.2E+02
1.0E+02
8.0E+01
6.0E+01
4.0E+01
2.0E+01
0.0E+00
cubic yards
Remedial Action


Costing
1
1
1
1
1
$ 1
0
0
0
0
0
Remedial Action


Lost Hours - Injury
1.4E+01
1.2E+01
1.0E+01
8.0E+00
Hours
6.0E+00
4.0E+00
2.0E+00
0.0E+00
Remedial Action

APPENDIX E

Daily Reports

(Provided Separately and on CD in Bound Copy)

APPENDIX F-1

CAMP Field Data Sheets and Air Monitoring Data
(Provided Separately)

APPENDIX F-2

Action Limit Reports

APPENDIX G

NYSDEC Approvals of Substantive Technical Requirements

NEW YORK STATE OF OPPORTUNITY. Department of Health

ANDREW M. CUOMO
Governor

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

SALLY DRESLIN, M.S., R.N.
Executive Deputy Commissioner

April 16, 2019

Eric Obrecht, Director
Remedial Bureau A
Division of Environmental Remediation
NYS Dept. of Environmental Conservation
625 Broadway
Albany, NY 12233

Re: Significant Threat Determination
Greenpoint Ferry
Site #C224272
Brooklyn, Kings County

Dear Mr. Obrecht,

At your Department's request, we have reviewed the draft February 2019 *Remedial Investigation Report / Remedial Action Work Plan* for the referenced site. Based on that review, I understand that on-site soil is contaminated with metals and semi volatile organic compounds (SVOCs) exceeding restricted-residential use soil cleanup objectives. Groundwater on-site is contaminated with metals and SVOCs above NYSDEC Ambient Water Quality Standards and soil vapor on-site is contaminated with chlorinated volatile organic compounds. The planned future use of the includes development of mixed use residential, commercial and recreational uses.

The site is entirely covered with pavement and groundwater in the area is not used for drinking. Therefore, people are not expected to come into direct contact with site-related contamination unless they dig below the surface. Given the current use of the site, soil vapor intrusion is not currently a concern on-site and environmental sampling indicates that soil vapor intrusion is not a concern off-site. I understand that a community air monitoring plan will be in place to address the potential for exposures during future remedial activities and that any redevelopment will be conducted in a manner that is protective of public health.

Based on the information provided to date and the lack of a complete exposure pathway to site-related contaminants, I do not believe this site represents a significant threat to public health. If you have any questions, or if you would like to discuss this site further, please contact me at (518) 402-7860.

Sincerely,

Justin H. Deming, Chief
Regions 2, 4 & 8
Bureau of Environmental Exposure Investigation

ec: C. Vooris / M. Doroski / e-File
C. Westerman – NYSDOH MARO
C. D'Andrea – NYC DOHMH
R. Mustico – NYSDEC Central Office
J. O'Connell – NYSDEC Region 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor, Albany, NY 12233-7016
P: (518) 402-9767 I F: (518) 402-9773
www.dec.ny.gov

April 22, 2020

Roux Associates, Inc.
Robert Kovacs
209 Shafter Street
Islandia, NY 11749

RE: Revised Remedial Investigation Report
Greenpoint Ferry Site
Brooklyn, New York
BCP #C224272

Dear Mr. Kovacs,

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH), collectively referred to as the State, have completed its review of the Revised Remedial Investigation Report, dated March 30, 2020 for the Greenpoint Ferry Site. Based on this review, the State has no additional comments to offer and approves this report. If you have any questions, or would like to discuss further, please contact me at richard.mustico1@dec.ny.gov.

Sincerely,



Richard P. Mustico, E.I.T.
Engineering Assistant
Remedial Section B

ec: G Burke, NYSDEC
J Grathwol, NYSDEC
J O'Connell, NYSDEC
S McLaughlin, NYSDOH
J. Nealon, NYSDOH
J. Robinson, NYSDOH

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership
Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Greenpoint Ferry Site **DEC Site ID No.** C224272

II. Contact Information of Person Submitting Notification:

Name: Jonathan A. Bernstein
Address1: 108 Isle Drive
Address2: Palm Beach Gardens, FL 33418
Phone: 561-249-6368 E-mail: jon@bernsteincorp.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- [x] Change in Ownership or Change in Remedial Party(ies)
- [ ] Transfer of Certificate of Completion (CoC)
- [ ] Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 10/2/2020

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Change in property ownership and Remedial Party

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____ Sep 25, 2020

(Signature) (Date)

Jonathan A. Bernstein

(Print Name)

Address1: 108 Isle Drive

Address2: Palm Beach Gardens, FL 33418

Phone: 561-249-6368 E-mail: jon@bernsteincorp.com

VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☑ Prospective Owner ☑ Prospective Remedial Party ☐ Prospective Owner Representative

Name: 1 Java Owner LLC (owners representative contact: Christie Walker)

Address1: 200 Park Avenue

Address2: New York, NY 10166

Phone: 347-889-0417 E-mail: Christie.Walker@lendlease.com

Certifying Party Name: 1 Java Owner LLC

Address1: 200 Park Avenue

Address2: New York, NY 10166

Phone: 347-889-0417 E-mail: Christie.Walker@lendlease.com

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at http://www.dec.ny.gov/chemical/54736.html. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at http://www.dec.ny.gov/chemical/54736.html (see §375-1.9(f)).

Name: _____ Sep 25, 2020
(Signature) (Date)

Jonathan A. Bernstein
(Print Name)

Address1: 108 Isle Drive

Address2: Palm Beach Gardens, FL 33418

Phone: 561-249-6368 E-mail: jon@bernsteincorp.com

Continuation Sheet

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

New York State Department of Environmental Conservation

Instructions for Completing the 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion (CoC), and/or Ownership Form

Submit to: Chief, Site Control Section, New York State Department of Environmental Conservation, Division of Environmental Remediation, 625 Broadway, Albany NY 12233-7020

Section I	**Description**
Site Name	Official DEC site name. (see http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3)
DEC Site ID No.	DEC site identification number.

Section II	**Contact Information of Person Submitting Notification**
Name	Name of person submitting notification of site change of use, transfer of certificate of completion and/or ownership form.
Address1	Street address or P.O. box number of the person submitting notification.
Address2	City, state and zip code of the person submitting notification.
Phone	Phone number of the person submitting notification.
E-mail	E-mail address of the person submitting notification.

Section III	**Type of Change and Date**
Check Boxes	Check the appropriate box(s) for the type(s) of change about which you are notifying the Department. Check all that apply.
Proposed Date of Change	Date on which the change in ownership or remedial party, transfer of CoC, or other change is expected to occur.

Section IV	**Description**
Description	For each change checked in Section III, describe the proposed change. Provide all applicable maps, drawings, and/or parcel information. If "Other" is checked in Section III, explain how the change may affect the site's proposed, ongoing, or completed remedial program at the site. Please attach additional sheets, if needed.

Section V Certification Statement

This section must be filled out if the change of use results in a change of ownership or responsibility for the proposed, ongoing, or completed remedial program for the site. When completed, it provides DEC with a certification that the prospective purchaser has been provided a copy of any order, agreement, or State assistance contract as well as a copy of all approved remedial work plans and reports.

Name	The owner of the site property or their designated representative must sign and date the certification statement. Print owner or designated representative's name on the line provided below the signature.
Address1	Owner or designated representative's street address or P.O. Box number.
Address2	Owner or designated representative's city, state and zip code.
Phone	Owner or designated representative's phone number.
E-Mail	Owner or designated representative's E-mail.

Section VI Contact Information for New Owner, Remedial Party, and CoC Holder (if a CoC was issued)

Fill out this section only if the site is to be sold or there will be a new remedial party. Check the appropriate box to indicate whether the information being provided is for a Prospective Owner, CoC Holder (if site was ever issued a COC), Prospective Remedial Party, or Prospective Owner Representative. Identify the prospective owner or party and include contact information. A Continuation Sheet is provided at the end of this form for additional owner/party information.

Name	Name of Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
Address1	Street address or P.O. Box number for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Address2	City, state and zip code for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Phone	Phone number for the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
E-Mail	E-mail address of the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.

If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/EC), indicate who will be the certifying party(ies). Attach additional sheets, if needed.

Certifying Party Name	Name of Certifying Party.
Address1	Certifying Party's street address or P.O. Box number.
Address2	Certifying Party's city, state and zip code.
Phone	Certifying Party's Phone number.
E-Mail	Certifying Party's E-mail address.

Section VII Agreement to Notify DEC After Property Transfer/Sale

This section must be filled out for all property transfers of all or part of the site. If the site also has a CoC, then the CoC shall be transferred using DEC's form found at http://www.dec.ny.gov/chemical/54736.html

Filling out and signing this section of the form indicates you will comply with the post transfer notifications within the required timeframes specified on the form. If a CoC has been issued for the site, the DEC will allow 30 days for the post transfer notification so that the "Notice of CoC Transfer Form" and proof of it's filing can be included. Normally the required post transfer notification must be submitted within 15 day (per 375-1.11(d)(3)(ii)) when no CoC is involved.

Name	Current property owner must sign and date the form on the designated lines. Print owner's name on the line provided.
Address1	Current owner's street address.
Address2	Current owner's city, state and zip code.

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

BROWNFIELD CLEANUP PROGRAM (BCP) APPLICATION TO AMEND BROWNFIELD CLEANUP AGREEMENT AND AMENDMENT

PART I. BROWNFIELD CLEANUP AGREEMENT AMENDMENT APPLICATION

Check the appropriate box below based on the nature of the amendment modification requested:

☑ Amendment to [check one or more boxes below]

- ☑ Add
- ☐ Substitute
- ☐ Remove
- ☐ Change in Name

applicant(s) to the existing Brownfield Cleanup Agreement [*Complete Section I-IV below and Part II*]

Does this proposed amendment involve a transfer of title to all or part of the brownfield site? ☑ Yes ☐ No

If yes, pursuant to 6 NYCRR Part 375-1.11(d), a Change of Use form should have been previously submitted. If not, please submit this form with this Amendment. See http://www.dec.ny.gov/chemical/76250.html Change of Use Form submitted 9/28/2020

☐ Amendment to modify description of the property(ies) listed in the existing Brownfield Cleanup Agreement [*Complete Sections I and V below and Part II*]

☐ Amendment to Expand or Reduce property boundaries of the property(ies) listed in the existing Brownfield Cleanup Agreement [*Complete Section I and V below and Part II*]

☐ **Sites in Bronx, Kings, New York, Queens, or Richmond counties ONLY:** Amendment to request determination that the site is eligible for the tangible property credit component of the brownfield redevelopment tax credit. Please answer questions on the supplement at the end of the form.

☐ Other (explain in detail below)

Please provide a brief narrative on the nature of the amendment:

This Amendment Application is being submitted for the following reason:
1. To add the new property ownership entity (1 Java Owner LLC) to the BCA. The recorded Deed is provided as Appendix A to this Amendment Application.

Please refer to the attached instructions for guidance on filling out this application

Section I. Existing Agreement Information

BCP SITE NAME: Greenpoint Ferry Site BCP SITE NUMBER: C224272

NAME OF CURRENT APPLICANT(S): Stiles Properties, LLC

INDEX NUMBER OF EXISTING AGREEMENT: C224272-08-15 DATE OF EXISTING AGREEMENT: 10/31/18

Section II. New Requestor Information (if no change to Current Applicant, skip to Section V)

NAME 1 Java Owner LLC

ADDRESS 200 Park Avenue, 9th Floor

CITY/TOWN New York, New York ZIP CODE 10166

PHONE	FAX	E-MAIL
347-889-0417		christie.walker@lendlease.com

Is the requestor authorized to conduct business in New York State (NYS)? ☑ Yes ☐ No

- If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS Department of State to conduct business in NYS, the requestor's name must appear, exactly as given above, in the NYS Department of State's (DOS) Corporation & Business Entity Database. A print-out of entity information from the DOS database must be submitted to DEC with the application, to document that the applicant is authorized to do business in NYS. APPENDIX B: NYSDOS PRINTOUT

NAME OF NEW REQUESTOR'S REPRESENTATIVE Christie Walker

ADDRESS 200 Park Avenue, 9th Floor

CITY/TOWN New York, New York ZIP CODE 10166

PHONE	FAX	E-MAIL
347-889-0417		christie.walker@lendlease.com

NAME OF NEW REQUESTOR'S CONSULTANT (if applicable) Roux Environmental Engineering and Geology, D.P.C.

ADDRESS 209 Shafter Street

CITY/TOWN Islandia, New York ZIP CODE 11749

PHONE	FAX	E-MAIL
631-232-2600	631-232-9898	rkovacs@rouxinc.com

NAME OF NEW REQUESTOR'S ATTORNEY (if applicable) Sive, Paget & Riesel

ADDRESS 560 Lexington Avenue

CITY/TOWN New York, New York ZIP CODE 10022

PHONE	FAX	E-MAIL
917-626-1656		mbogin@sprlaw.com

Requestor must submit proof that the party signing this Application and Amendment has the authority to bind the Requestor. This would be documentation from corporate organizational papers, which are updated, showing the authority to bind the corporation, or a Corporate Resolution showing the same, or an Operating Agreement or Resolution for an LLC. Is this proof attached? See Appendix C Yes ☑ No ☐

Describe Requestor's Relationship to Existing Applicant:

The Existing Applicant (Stiles Properties, LLC) is a member of the Requestor entity (1 Java Owner LLC).

Section III. Current Property Owner/Operator Information (only include if new owner/operator or new existing owner/operator information is provided, and highlight new information)		
OWNER'S NAME (if different from requestor) 1 Java Owner LLC		
ADDRESS 200 Park Avenue, 9th Floor		
CITY/TOWN New York, New York		ZIP CODE 10166
PHONE 347-889-0417	FAX	E-MAIL christie.walker@lendlease.com
OPERATOR'S NAME (if different from requestor or owner)		
ADDRESS		
CITY/TOWN		ZIP CODE
PHONE	FAX	E-MAIL

Section IV. Eligibility Information for New Requestor (Please refer to ECL § 27-1407 for more detail)

If answering "yes" to any of the following questions, please provide an explanation as an attachment.

1. Are any enforcement actions pending against the requestor regarding this site? ☐ Yes ☑ No

2. Is the requestor presently subject to an existing order for the investigation, removal or remediation relating to contamination at the site? ☐ Yes ☑ No

3. Is the requestor subject to an outstanding claim by the Spill Fund for this site? ☐ Yes ☑ No
   Any questions regarding whether a party is subject to a spill claim should be discussed with the Spill Fund Administrator.

4. Has the requestor been determined in an administrative, civil or criminal proceeding to be in violation of i) any provision of the subject law; ii) any order or determination; iii) any regulation implementing ECL Article 27 Title 14; or iv) any similar statute, regulation of the state or federal government? If so, provide an explanation on a separate attachment. ☐ Yes ☑ No

5. Has the requestor previously been denied entry to the BCP? If so, include information relative to the application, such as name, address, Department assigned site number, the reason for denial, and other relevant information. ☐ Yes ☑ No

6. Has the requestor been found in a civil proceeding to have committed a negligent or intentionally tortious act involving the handling, storing, treating, disposing or transporting of contaminants? ☐ Yes ☑ No

7. Has the requestor been convicted of a criminal offense i) involving the handling, storing, treating, disposing or transporting of contaminants; or ii) that involves a violent felony, fraud, bribery, perjury, theft, or offense against public administration (as that term is used in Article 195 of the Penal Law) under federal law or the laws of any state? ☐ Yes ☑ No

8. Has the requestor knowingly falsified statements or concealed material facts in any matter within the jurisdiction of the Department, or submitted a false statement or made use of or made a false statement in connection with any document or application submitted to the Department? ☐ Yes ☑ No

9. Is the requestor an individual or entity of the type set forth in ECL 27-1407.9(f) that committed an act or failed to act, and such act or failure to act could be the basis for denial of a BCP application? ☐ Yes ☑ No

10. Was the requestor's participation in any remedial program under DEC's oversight terminated by DEC or by a court for failure to substantially comply with an agreement or order? ☐ Yes ☑ No

11. Are there any unregistered bulk storage tanks on-site which require registration? ☐ Yes ☑ No

THE NEW REQUESTOR MUST CERTIFY THAT IT IS EITHER A PARTICIPANT OR VOLUNTEER IN ACCORDANCE WITH ECL §27-1405 (1) BY CHECKING ONE OF THE BOXES BELOW:

☐ PARTICIPANT

A requestor who either 1) was the owner of the site at the time of the disposal of contamination or 2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of contamination.

☑ VOLUNTEER

A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

NOTE: By checking this box, a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site certifies that he/she has exercised appropriate care with respect to the hazardous waste found at the facility by taking reasonable steps to: i) stop any continuing discharge; ii) prevent any threatened future release; iii) prevent or limit human, environmental, or natural resource exposure to any previously released hazardous waste. Appendix D-Requestor Volunteer Statement

If a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site, submit a statement describing why you should be considered a volunteer – be specific as to the appropriate care taken.

Requestor's Relationship to Property (check one):

☐ Prior Owner ☑ Current Owner ☐ Potential /Future Purchaser ☐ Other_____

If requestor is not the current site owner, **proof of site access sufficient to complete the remediation must be submitted**. Proof must show that the requestor will have access to the property before signing the BCA and throughout the BCP project, including the ability to place an easement on the site Is this proof attached? ☐ Yes ☐ No Requestor is site owner

Note: a purchase contract does not suffice as proof of access.

Section V. Property description and description of changes/additions/reductions (if applicable)

ADDRESS

CITY/TOWN ZIP CODE

TAX BLOCK AND LOT (TBL) (in existing agreement)

Parcel Address	Parcel No.	Section No.	Block No.	Lot No.	Acreage

Check appropriate boxes below:

☐ Changes to metes and bounds description or TBL correction

☐ Addition of property (may require additional citizen participation depending on the nature of the expansion – see attached instructions)

Approximate acreage added:_____

ADDITIONAL PARCELS:

Parcel Address	Parcel No.	Section No.	Block No.	Lot No.	Acreage

☐ Reduction of property

Approximate acreage removed: _____

PARCELS REMOVED:

Parcel Address	Parcel No.	Section No.	Block No.	Lot No.	Acreage

If requesting to modify a metes and bounds description or requesting changes to the boundaries of a site, please attach a revised metes and bounds description, survey, or acceptable site map to this application.

Supplement to the Application To Amend Brownfield Cleanup Agreement And Amendment - Questions for Sites Seeking Tangible Property Credits in New York City ONLY.

Property is in Bronx, Kings, New York, Queens, or Richmond counties.	☐ Yes ☐ No
Requestor seeks a determination that the site is eligible for the tangible property credit component of the brownfield redevelopment tax credit.	☐ Yes ☐ No

Please answer questions below and provide documentation necessary to support answers.

1. Is at least 50% of the site area located within an environmental zone pursuant to Tax Law 21(6)? Please see DEC's website for more information. ☐ Yes ☐ No

2. Is the property upside down as defined below? ☐ Yes ☐ No

From ECL 27-1405(31):

"Upside down" shall mean a property where the projected and incurred cost of the investigation and remediation which is protective for the anticipated use of the property equals or exceeds seventy-five percent of its independent appraised value, as of the date of submission of the application for participation in the brownfield cleanup program, developed under the hypothetical condition that the property is not contaminated.

3. Is the project an affordable housing project as defined below? ☐ Yes ☐ No

From 6 NYCRR 375- 3.2(a) as of August 12, 2016:

(a) "Affordable housing project" means, for purposes of this part, title fourteen of article twenty seven of the environmental conservation law and section twenty-one of the tax law only, a project that is developed for residential use or mixed residential use that must include affordable residential rental units and/or affordable home ownership units.

(1) Affordable residential rental projects under this subdivision must be subject to a federal, state, or local government housing agency's affordable housing program, or a local government's regulatory agreement or legally binding restriction, which defines (i) a percentage of the residential rental units in the affordable housing project to be dedicated to (ii) tenants at a defined maximum percentage of the area median income based on the occupants' households annual gross income.

(2) Affordable home ownership projects under this subdivision must be subject to a federal, state, or local government housing agency's affordable housing program, or a local government's regulatory agreement or legally binding restriction, which sets affordable units aside for home owners at a defined maximum percentage of the area median income.

(3) "Area median income" means, for purposes of this subdivision, the area median income for the primary metropolitan statistical area, or for the county if located outside a metropolitan statistical area, as determined by the United States department of housing and urban development, or its successor, for a family of four, as adjusted for family size.

PART II. BROWNFIELD CLEANUP PROGRAM AMENDMENT

Existing Agreement Information	
BCP SITE NAME: Greenpoint Ferry Site	BCP SITE NUMBER: C224272
NAME OF CURRENT APPLICANT(S): Stiles Properties, LLC	
INDEX NUMBER OF EXISTING AGREEMENT: C224272-08-15	
EFFECTIVE DATE OF EXISTING AGREEMENT: October 31, 2018	

Declaration of Amendment:

By the Requestor(s) and/or Applicant(s) signatures below, and subsequent signature by the Department, the above application to amend the Brownfield Cleanup Agreement described above is hereby approved. This Amendment is made in accordance with and subject to all of the BCA and all applicable guidance, regulations and state laws applicable thereto. All other substantive and procedural terms of the Agreement will remain unchanged and in full force and effect regarding the parties to the Agreement.

Nothing contained herein constitutes a waiver by the Department or the State of New York of any rights held in accordance with the Agreement or any applicable state and/or federal law or a release for any party from any obligations held under the Agreement or those same laws.

Statement of Certification and Signatures: **New Requestor(s) (if applicable)**

(Individual)

I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law. My signature below constitutes the requisite approval for the amendment to the BCA Application, which will be effective upon signature by the Department.

Date: _____ Signature: _____

Print Name: _____

(Entity)

I hereby affirm that I am (title Authorized Representative) of (entity 1 Java Owner LLC); that I am authorized by that entity to make this application; that this application was prepared by me or under my supervision and direction; and that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Melissa Burch's signature below constitutes the requisite approval for the amendment to the BCA Application, which will be effective upon signature by the Department.

Date: 11/17/2020 Signature: _____

Print Name: Melissa Burch

Statement of Certification and Signatures: Existing Applicant(s) (an authorized representative of each applicant must sign)

(Individual)

I hereby affirm that I am a party to the Brownfield Cleanup Agreement and/or Application referenced in Section I above and that I am aware of this Application for an Amendment to that Agreement and/or Application. My signature below constitutes the requisite approval for the amendment to the BCA Application, which will be effective upon signature by the Department.

Date: 11/16/2020 Signature: _____

Print Name: Jonathan A. Bernstein

(Entity)

I hereby affirm that I am Authorized Representative (title) of Stiles Properties, LLC (entity) which is a party to the Brownfield Cleanup Agreement and/or Application referenced in Section I above and that I am aware of this Application for an Amendment to that Agreement and/or Application. Jonathan A. Bernstein signature below constitutes the requisite approval for the amendment to the BCA Application, which will be effective upon signature by the Department.

Date: 11/16/2020 Signature: _____

Print Name: Jonathan A. Bernstein

REMAINDER OF THIS AMENDMENT WILL BE COMPLETED SOLELY BY THE DEPARTMENT

Status of Agreement:

☑ PARTICIPANT A requestor who either 1) was the owner of the site at the time of the disposal of contamination or 2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of contamination.	☐ VOLUNTEER A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the contamination.

Effective Date of the Original Agreement: October 31, 2018

Signature by the Department:

DATED: January 8, 2021

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

By: _____

Michael J. Ryan, P.E., Director
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

BROWNFIELD CLEANUP PROGRAM (BCP) APPLICATION TO AMEND BROWNFIELD CLEANUP AGREEMENT AND AMENDMENT

PART I. BROWNFIELD CLEANUP AGREEMENT AMENDMENT APPLICATION

Check the appropriate box below based on the nature of the amendment modification requested:

☑ Amendment to [check one or more boxes below]

- ☑ Add
- ☐ Substitute
- ☐ Remove
- ☐ Change in Name

applicant(s) to the existing Brownfield Cleanup Agreement [*Complete Section I-IV below and Part II*]

Does this proposed amendment involve a transfer of title to all or part of the brownfield site? ☑ Yes ☐ No

If yes, pursuant to 6 NYCRR Part 375-1.11(d), a Change of Use form should have been previously submitted. If not, please submit this form with this Amendment. See http://www.dec.ny.gov/chemical/76250.html **Change of Use Form submitted 9/28/2020**

☐ Amendment to modify description of the property(ies) listed in the existing Brownfield Cleanup Agreement [*Complete Sections I and V below and Part II*]

☐ Amendment to Expand or Reduce property boundaries of the property(ies) listed in the existing Brownfield Cleanup Agreement [*Complete Section I and V below and Part II*]

☑ **Sites in Bronx, Kings, New York, Queens, or Richmond counties ONLY:** Amendment to request determination that the site is eligible for the tangible property credit component of the brownfield redevelopment tax credit. Please answer questions on the supplement at the end of the form.

☐ Other (explain in detail below)

Please provide a brief narrative on the nature of the amendment:

This Amendment Application is being submitted for the following reason:
1. To add the new property ownership entity (1 Java Owner LLC) to the BCA. The recorded Deed is provided as Appendix A to this Amendment Application.

Please refer to the attached instructions for guidance on filling out this application

Section I. Existing Agreement Information

BCP SITE NAME: Greenpoint Ferry Site BCP SITE NUMBER: C224272

NAME OF CURRENT APPLICANT(S): Stiles Properties, LLC

INDEX NUMBER OF EXISTING AGREEMENT: C224272-08- DATE OF EXISTING AGREEMENT: 10/31/18

Section II. New Requestor Information (if no change to Current Applicant, skip to Section V)

NAME 1 Java Owner LLC

ADDRESS 200 Park Avenue, 9th Floor

CITY/TOWN New York, New York ZIP CODE 10166

PHONE 347-889-0417 | FAX | E-MAIL christie.walker@lendlease.com

Is the requestor authorized to conduct business in New York State (NYS)? ☑ Yes ☐ No

- If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS Department of State to conduct business in NYS, the requestor's name must appear, exactly as given above, in the NYS Department of State's (DOS) Corporation & Business Entity Database. A print-out of entity information from the DOS database must be submitted to DEC with the application, to document that the applicant is authorized to do business in NYS. **APPENDIX B: NYSDOS PRINTOUT**

NAME OF NEW REQUESTOR'S REPRESENTATIVE Christie Walker

ADDRESS 200 Park Avenue, 9th Floor

CITY/TOWN New York, New York ZIP CODE 10166

PHONE 347-889-0417 | FAX | E-MAIL christie.walker@lendlease.com

NAME OF NEW REQUESTOR'S CONSULTANT (if applicable) Roux Environmental Engineering and Geology, D.P.C.

ADDRESS 209 Shafter Street

CITY/TOWN Islandia, New York ZIP CODE 11749

PHONE 631-232-2600 | FAX 631-232-9898 | E-MAIL rkovacs@rouxinc.com

NAME OF NEW REQUESTOR'S ATTORNEY (if applicable) Sive, Paget & Riesel

ADDRESS 560 Lexington Avenue

CITY/TOWN New York, New York ZIP CODE 10022

PHONE 917-626-1656 | FAX | E-MAIL mbogin@sprlaw.com

Requestor must submit proof that the party signing this Application and Amendment has the authority to bind the Requestor. This would be documentation from corporate organizational papers, which are updated, showing the authority to bind the corporation, or a Corporate Resolution showing the same, or an Operating Agreement or Resolution for an LLC. Is this proof attached? **See Appendix C** Yes ☑ No ☐

Describe Requestor's Relationship to Existing Applicant:

The Existing Applicant (Stiles Properties, LLC) is a member of the Requestor entity (1 Java Owner LLC).

Section III. Current Property Owner/Operator Information (only include if new owner/operator or new existing owner/operator information is provided, and highlight new information)		
OWNER'S NAME (if different from requestor) 1 Java Owner LLC		
ADDRESS 200 Park Avenue, 9th Floor		
CITY/TOWN New York, New York		ZIP CODE 10166
PHONE 347-889-0417	FAX	E-MAIL christie.walker@lendlease.com
OPERATOR'S NAME (if different from requestor or owner)		
ADDRESS		
CITY/TOWN		ZIP CODE
PHONE	FAX	E-MAIL

Section IV. Eligibility Information for New Requestor (Please refer to ECL § 27-1407 for more detail)

If answering "yes" to any of the following questions, please provide an explanation as an attachment.

1. Are any enforcement actions pending against the requestor regarding this site? ☐ Yes ☑ No

2. Is the requestor presently subject to an existing order for the investigation, removal or remediation relating to contamination at the site? ☐ Yes ☑ No

3. Is the requestor subject to an outstanding claim by the Spill Fund for this site? ☐ Yes ☑ No
   Any questions regarding whether a party is subject to a spill claim should be discussed with the Spill Fund Administrator.

4. Has the requestor been determined in an administrative, civil or criminal proceeding to be in violation of i) any provision of the subject law; ii) any order or determination; iii) any regulation implementing ECL Article 27 Title 14; or iv) any similar statute, regulation of the state or federal government? If so, provide an explanation on a separate attachment. ☐ Yes ☑ No

5. Has the requestor previously been denied entry to the BCP? If so, include information relative to the application, such as name, address, Department assigned site number, the reason for denial, and other relevant information. ☐ Yes ☑ No

6. Has the requestor been found in a civil proceeding to have committed a negligent or intentionally tortious act involving the handling, storing, treating, disposing or transporting of contaminants? ☐ Yes ☑ No

7. Has the requestor been convicted of a criminal offense i) involving the handling, storing, treating, disposing or transporting of contaminants; or ii) that involves a violent felony, fraud, bribery, perjury, theft, or offense against public administration (as that term is used in Article 195 of the Penal Law) under federal law or the laws of any state? ☐ Yes ☑ No

8. Has the requestor knowingly falsified statements or concealed material facts in any matter within the jurisdiction of the Department, or submitted a false statement or made use of or made a false statement in connection with any document or application submitted to the Department? ☐ Yes ☑ No

9. Is the requestor an individual or entity of the type set forth in ECL 27-1407.9(f) that committed an act or failed to act, and such act or failure to act could be the basis for denial of a BCP application? ☐ Yes ☑ No

10. Was the requestor's participation in any remedial program under DEC's oversight terminated by DEC or by a court for failure to substantially comply with an agreement or order? ☐ Yes ☑ No

11. Are there any unregistered bulk storage tanks on-site which require registration? ☐ Yes ☑ No

THE NEW REQUESTOR MUST CERTIFY THAT IT IS EITHER A PARTICIPANT OR VOLUNTEER IN ACCORDANCE WITH ECL §27-1405 (1) BY CHECKING ONE OF THE BOXES BELOW:

☐ PARTICIPANT

A requestor who either 1) was the owner of the site at the time of the disposal of contamination or 2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of contamination.

☑ VOLUNTEER

A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

NOTE: By checking this box, a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site certifies that he/she has exercised appropriate care with respect to the hazardous waste found at the facility by taking reasonable steps to: i) stop any continuing discharge; ii) prevent any threatened future release; iii) prevent or limit human, environmental, or natural resource exposure to any previously released hazardous waste. Appendix D-Requestor Volunteer Statement

If a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site, submit a statement describing why you should be considered a volunteer – be specific as to the appropriate care taken.

Requestor's Relationship to Property (check one):

☐ Prior Owner ☑ Current Owner ☐ Potential /Future Purchaser ☐ Other_____

If requestor is not the current site owner, **proof of site access sufficient to complete the remediation must be submitted**. Proof must show that the requestor will have access to the property before signing the BCA and throughout the BCP project, including the ability to place an easement on the site Is this proof attached? ☐ Yes ☐ No **Requestor is site owner**

Note: a purchase contract does not suffice as proof of access.

Section V. Property description and description of changes/additions/reductions (if applicable)

ADDRESS 127-141 West Street (aka 14-28 India Street and 1-45 Java Street)

CITY/TOWN Greenpoint, Brooklyn, NY ZIP CODE 11222

TAX BLOCK AND LOT (TBL) (in existing agreement)

Parcel Address	Parcel No.	Section No.	Block No.	Lot No.	Acreage
127-141 West Street (aka 14-28 India Street and 1-45 Java Street), Brooklyn, NY	A	Brooklyn	2538	1	2.441

Check appropriate boxes below:

☐ Changes to metes and bounds description or TBL correction

☐ Addition of property (may require additional citizen participation depending on the nature of the expansion – see attached instructions)

Approximate acreage added:_____

ADDITIONAL PARCELS:

Parcel Address	Parcel No.	Section No.	Block No.	Lot No.	Acreage

☐ Reduction of property

Approximate acreage removed: _____

PARCELS REMOVED:

Parcel Address	Parcel No.	Section No.	Block No.	Lot No.	Acreage

If requesting to modify a metes and bounds description or requesting changes to the boundaries of a site, please attach a revised metes and bounds description, survey, or acceptable site map to this application.

Supplement to the Application To Amend Brownfield Cleanup Agreement And Amendment - Questions for Sites Seeking Tangible Property Credits in New York City ONLY.

Property is in Bronx, Kings, New York, Queens, or Richmond counties.	☑ Yes ☐ No
Requestor seeks a determination that the site is eligible for the tangible property credit component of the brownfield redevelopment tax credit.	☑ Yes ☐ No

Please answer questions below and provide documentation necessary to support answers.

1. Is at least 50% of the site area located within an environmental zone pursuant to Tax Law 21(6)? Please see DEC's website for more information. ☐ Yes ☑ No

2. Is the property upside down as defined below? ☐ Yes ☑ No

From ECL 27-1405(31):

"Upside down" shall mean a property where the projected and incurred cost of the investigation and remediation which is protective for the anticipated use of the property equals or exceeds seventy-five percent of its independent appraised value, as of the date of submission of the application for participation in the brownfield cleanup program, developed under the hypothetical condition that the property is not contaminated.

3. Is the project an affordable housing project as defined below? ☑ Yes ☐ No

From 6 NYCRR 375- 3.2(a) as of August 12, 2016:

(a) "Affordable housing project" means, for purposes of this part, title fourteen of article twenty seven of the environmental conservation law and section twenty-one of the tax law only, a project that is developed for residential use or mixed residential use that must include affordable residential rental units and/or affordable home ownership units.

(1) Affordable residential rental projects under this subdivision must be subject to a federal, state, or local government housing agency's affordable housing program, or a local government's regulatory agreement or legally binding restriction, which defines (i) a percentage of the residential rental units in the affordable housing project to be dedicated to (ii) tenants at a defined maximum percentage of the area median income based on the occupants' households annual gross income.

(2) Affordable home ownership projects under this subdivision must be subject to a federal, state, or local government housing agency's affordable housing program, or a local government's regulatory agreement or legally binding restriction, which sets affordable units aside for home owners at a defined maximum percentage of the area median income.

(3) "Area median income" means, for purposes of this subdivision, the area median income for the primary metropolitan statistical area, or for the county if located outside a metropolitan statistical area, as determined by the United States department of housing and urban development, or its successor, for a family of four, as adjusted for family size.

PART II. BROWNFIELD CLEANUP PROGRAM AMENDMENT

Existing Agreement Information	
BCP SITE NAME: Greenpoint Ferry Site	BCP SITE NUMBER: C224272
NAME OF CURRENT APPLICANT(S): Stiles Properties, LLC	
INDEX NUMBER OF EXISTING AGREEMENT: C224272-08-15	
EFFECTIVE DATE OF EXISTING AGREEMENT: October 31, 2018	

Declaration of Amendment:

By the Requestor(s) and/or Applicant(s) signatures below, and subsequent signature by the Department, the above application to amend the Brownfield Cleanup Agreement described above is hereby approved. This Amendment is made in accordance with and subject to all of the BCA and all applicable guidance, regulations and state laws applicable thereto. All other substantive and procedural terms of the Agreement will remain unchanged and in full force and effect regarding the parties to the Agreement.

Nothing contained herein constitutes a waiver by the Department or the State of New York of any rights held in accordance with the Agreement or any applicable state and/or federal law or a release for any party from any obligations held under the Agreement or those same laws.

Statement of Certification and Signatures: **New Requestor(s) (if applicable)**

(Individual)

I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law. My signature below constitutes the requisite approval for the amendment to the BCA Application, which will be effective upon signature by the Department.

Date: _____ Signature: _____

Print Name: _____

(Entity)

I hereby affirm that I am (title Authorized Representative) of (entity 1 Java Owner LLC); that I am authorized by that entity to make this application; that this application was prepared by me or under my supervision and direction; and that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Melissa Burch's signature below constitutes the requisite approval for the amendment to the BCA Application, which will be effective upon signature by the Department.

Date: 11/17/2020 Signature: _____

Print Name: Melissa Burch

Statement of Certification and Signatures: Existing Applicant(s) (an authorized representative of each applicant must sign)

(Individual)

I hereby affirm that I am a party to the Brownfield Cleanup Agreement and/or Application referenced in Section I above and that I am aware of this Application for an Amendment to that Agreement and/or Application. My signature below constitutes the requisite approval for the amendment to the BCA Application, which will be effective upon signature by the Department.

Date: 11/16/2020 Signature: _____

Print Name: Jonathan A. Bernstein

(Entity)

I hereby affirm that I am Authorized Representative (title) of Stiles Properties, LLC (entity) which is a party to the Brownfield Cleanup Agreement and/or Application referenced in Section I above and that I am aware of this Application for an Amendment to that Agreement and/or Application. Jonathan A. Bernstein signature below constitutes the requisite approval for the amendment to the BCA Application, which will be effective upon signature by the Department.

Date: 11/16/2020 Signature: _____

Print Name: Jonathan A. Bernstein

REMAINDER OF THIS AMENDMENT WILL BE COMPLETED SOLELY BY THE DEPARTMENT

Status of Agreement:

☐ PARTICIPANT A requestor who either 1) was the owner of the site at the time of the disposal of contamination or 2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of contamination.	☐ VOLUNTEER A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the contamination.

Effective Date of the Original Agreement:

Signature by the Department:

DATED:

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

By: _____

Michael J. Ryan, P.E., Director
Division of Environmental Remediation

SUBMITTAL INFORMATION:

- **Two (2)** copies, one hard copy with original signatures and one electronic copy in Portable Document Format (PDF) must be sent to:

  Chief, Site Control Section
  New York State Department of Environmental Conservation
  Division of Environmental Remediation
  625 Broadway
  Albany, NY 12233-7020

FOR DEPARTMENT USE ONLY

BCP SITE T&A CODE:_____ **LEAD OFFICE:**_____

PROJECT MANAGER:_____

BROWNFIELD CLEANUP PROGRAM (BCP)
INSTRUCTIONS FOR COMPLETING A BCP AMENDMENT APPLICATION

This form must be used to add a party, modify a property description, or reduce/expand property boundaries for an existing BCP Agreement and/or Application. **NOTE: DEC requires a standard application to request major changes to the description of the property set forth in the BCA (e.g., adding a significant amount of new property, or adding property that could affect an eligibility determination due to contamination levels or intended land use). The application must be submitted to DEC in the same manner as the original application to participate.**

SECTION II NEW REQUESTOR INFORMATION

Requestor Name

Provide the name of the person(s)/entity requesting participation in the BCP. (If more than one, attach additional sheets with requested information. If an LLC, the members/owners names need to be provided on a separate attachment). The requestor is the person or entity seeking DEC review and approval of the remedial program.

If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS Department of State to conduct business in NYS, the requestor's name must appear, exactly as given above, in the NYS Department of State's Corporation & Business Entity Database. A print-out of entity information from the database must be submitted to DEC with the application, to document that the applicant is authorized to do business in NYS.

Requestor Address, etc.

Provide the requestor's mailing address, telephone number; fax number and e-mail address.

Representative Name, Address, etc.

Provide information for the requestor's authorized representative. This is the person to whom all correspondence, notices, etc will be sent, and who will be listed as the contact person in the BCA. Invoices will be sent to the representative unless another contact name and address is provided with the application.

Consultant Name, Address, etc.

Provide information for the requestor's consultant.

Attorney Name, Address, etc.

Provide information for the requestor's attorney.

SECTION III CURRENT PROPERTY OWNER/OPERATOR INFORMATION - only include if new owner/operator or new existing owner/operator information is provided, and highlight new information in form.

Owner Name, Address, etc.

Provide information for the new owner of the property. List all new parties holding an interest in the property.

Operator Name, Address, etc.

Provide information for the new operator (if different from the new requestor or owner).

SECTION IV NEW REQUESTOR ELIGIBILITY INFORMATION

As a separate attachment, provide complete and detailed information in response to any eligibility questions answered in the affirmative. It is permissible to reference specific sections of existing property reports; however, it is requested that such information be summarized. For properties with multiple addresses or tax parcels, please include this information for each address or tax parcel.

SECTION V PROPERTY DESCRIPTION AND DESCRIPTION OF CHANGES / ADDITIONS / REDUCTIONS (IF APPLICABLE)

NOTE: DEC requires a standard application to request major changes to the description of the property set forth in the BCA (e.g., adding a significant amount of new property, or adding property that could affect an eligibility determination due to contamination levels or intended land use). The application must be submitted to DEC in the same manner as the original application to participate.

Property Address

Provide a street address, city/town, and zip code. For properties with multiple addresses, provide information for all.

Tax Parcel Information

Provide the tax parcel/section/block/lot information. If requesting to modify a metes and bounds description or requesting changes to the boundaries of a site, please attach a revised metes and bounds description, survey, and/or acceptable site map to this application. Tax map information may be obtained from the tax assessor's office for all tax parcels that are included in the property boundaries. Attach a county tax map with identifier numbers, along with any figures needed to show the location and boundaries of the property. Include a USGS 7.5 minute quad map on which the property appears.

APPENDICES

A. Recorded Deed

B. NYSDOS Database Printout and Organization Chart for 1 Java Owner LLC

C. Written Signatory Authorization

D. Requestor Volunteer Statement

APPENDIX A

Recorded Deed

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument.The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2020100800795001001EF622

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 10**

Document ID: 2020100800795001 Document Date: 10-07-2020 Preparation Date: 10-08-2020
Document Type: DEED
Document Page Count: 9

PRESENTER:
ROYAL ABSTRACT OF NEW YORK LLC(912907)
125 PARK AVENUE, SUITE 1610
NEW YORK, NY 10017
212-376-0900
MBASALATAN@ROYALABSTRACT.COM

RETURN TO:
ROYAL ABSTRACT OF NEW YORK LLC(912907)
125 PARK AVENUE, SUITE 1610
NEW YORK, NY 10017
212-376-0900
MBASALATAN@ROYALABSTRACT.COM

PROPERTY DATA

Borough	Block	Lot		Unit	Address
BROOKLYN	2538	1	Entire Lot		131 WEST STREET

Property Type: COMMERCIAL REAL ESTATE

Borough	Block	Lot		Unit	Address
BROOKLYN	2530	20	Entire Lot		N/A WEST STREET

Property Type: RESIDENTIAL VACANT LAND

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year_____ Reel____ Page_____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
STILES PROPERTIES, LLC
993 PARK AVENUE
NEW YORK, NY 10028

GRANTEE/BUYER:
1 JAVA OWNER LLC
C/O: LENDLEASE DEVELOPMENT INC., 200 PARK AVENUE, 9TH FLOOR
NEW YORK, NY 10166

FEES AND TAXES

Mortgage :

Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	84.00
Affidavit Fee:	$	0.00

Filing Fee: $ 250.00

NYC Real Property Transfer Tax: $ 2,331,656.73

NYS Real Estate Transfer Tax: $ 577,363.25

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 10-16-2020 10:28
City Register File No.(CRFN): **2020000284970**

City Register Official Signature

BARGAIN AND SALE DEED WITHOUT COVENANT AGAINST GRANTOR'S ACTS

STILES PROPERTIES, LLC

to

1 JAVA OWNER LLC

Dated: October 7, 2020

Block 2538, Lot 1
Block 2530, Lot 20

Address: 131 West Street (aka 1 Java Street, aka 18 India Street), Brooklyn, New York

County: Kings

Record and Return To:

Proskauer Rose LLP
Eleven Times Square
New York, New York 10036
Attention: Ronald D. Sernau, Esq.

BARGAIN AND SALE DEED

THIS INDENTURE, made this 7th day of October, 2020, by STILES PROPERTIES, LLC, a Delaware limited liability company, having an address c/o Jonathan A. Bernstein, 108 Isle Drive, Palm Beach Gardens, Florida 33418 ("**Grantor**"), in favor of 1 JAVA OWNER LLC, a Delaware limited liability company, having an address c/o Lendlease Development Inc., 200 Park Avenue, 9th Floor, New York, New York 10166 ("**Grantee**").

WITNESSETH:

That Grantor, in consideration of Ten Dollars ($10.00) and other good and valuable consideration paid by Grantee, the receipt and sufficiency of which are hereby acknowledged, does hereby convey, grant and release unto Grantee, its heirs and successors and assigns, forever:

All that certain plot, piece, or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, as described on Exhibit A attached hereto (the "Real Property").

TOGETHER with all right, title and interest of Grantor in and to land under water of the East River adjoining the portion of the Real Property described on Exhibit A attached hereto as Parcel A and extending out to the Pierhead line established by the Secretary of Water on November 7, 1917;

TOGETHER with all right, title and interest, if any, in and to any streets and roads adjoining the portion of the Real Property described on Exhibit A attached hereto as Parcel A including, without limitation, the extensions of said streets into the waters of the East River;

TOGETHER with all right, title and interest, if any, of Grantor in and to any streets and roads abutting the Real Property to the center lines thereof and any interest of Grantor in the land under water constituent the extension of India Street;

TOGETHER with the appurtenances and all the estate and rights of Grantor in and to said Real Property;

TO HAVE AND TO HOLD the Real Property herein granted unto Grantee, its heirs and successors and assigns, forever.

AND Grantor, in compliance with Section 13 of the Lien Law, covenants that Grantor will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

SAID Real Property now being known as and by the street address 131 West Street (aka 1 Java Street, aka 18 India Street), Brooklyn, New York (Block 2538, Lot 1; Block 2530, Lot 20)

BEING the same Real Property conveyed to Grantor by the following deeds:

1. Deed from West Street Partners, LLC, as successor by conversion to West Street Realty Company, dated as of December 31, 2008 and recorded on January 26, 2009 in the Office of the Register of the City of New York as CRFN 2009000022805.

2. Deed from Induron Corp., dated as of December 3, 2008 and recorded on February 5, 2009 in the Office of the Register of the City of New York as CRFN 2009000034781.

[SIGNATURE PAGE TO FOLLOW]

IN WITNESS WHEREOF, Grantor has duly executed and delivered this Deed the day and year first above written.

GRANTOR:

STILES PROPERTIES, LLC,
a Delaware limited liability company

Stiles Properties Investor, LLC,
a Delaware limited liability company,
its sole member

Stiles Properties Holdings, LLC
a Delaware limited liability company,
its sole member

Stiles Development, LLC,
a Delaware limited liability company,
its member

Federal Partners, L.P.
a limited partnership,
a member

Ninth Floor Corporation,
a Delaware corporation,
its general partner

By: _____
Name: Kevin Moore
Title: Member

RS JZ Greenpoint Investor, LLC,
a Delaware limited liability company,
its member

RS JZ Greenpoint, LLC,
a Delaware limited liability company,
its sole member

RedSky Capital, LLC,
a Delaware limited Liability company,
its manager

By: _____
Name: Benjamin Bernstein
Title: Member

IN WITNESS WHEREOF, Grantor has duly executed and delivered this Deed the day and year first above written.

GRANTOR:

STILES PROPERTIES, LLC,
a Delaware limited liability company

Stiles Properties Investor, LLC,
a Delaware limited liability company,
its sole member

Stiles Properties Holdings, LLC
a Delaware limited liability company,
its sole member

Stiles Development, LLC,
a Delaware limited liability company,
its member

Federal Partners, L.P.
a limited partnership,
a member

Ninth Floor Corporation,
a Delaware corporation,
its general partner

By: _____
Name: Kevin Moore
Title: President

RS JZ Greenpoint Investor, LLC,
a Delaware limited liability company,
its member

RS JZ Greenpoint, LLC,
a Delaware limited liability company,
its sole member

RedSky Capital, LLC,
a Delaware limited Liability company,
its manager

By: _____ 10/1/2020
Name: Benjamin Bernstein
Title: Member

STATE OF NEW YORK)
) ss.:
COUNTY OF NEW YORK.)

On the 30 day of SEPTEMBER in the year 2020, before me, the undersigned, a Notary Public in and for said State, personally appeared KEVIN MOORE, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Monica E Saqui

Notary Public
My commission expires:

MONICA E SAQUI
Notary Public, State of New York
No. 01SA6112598
Qualified in Kings County
Commission Expires July 06, 2024

STATE OF _____)
) ss.:
COUNTY OF _____)

On the ___ day of _____ in the year 2020, before me, the undersigned, a Notary Public in and for said State, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public
My commission expires:

STATE OF New York)
) ss.:
COUNTY OF Suffolk)

On the 1st day of October 2020 in the year 2020, before me, the undersigned, a Notary Public in and for said State, personally appeared Benjamin R. Bernstein personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public
My commission expires: Oct 29, 2022

JESSICA BARROS
Notary Public - State of New York
No. 01BA6382670
Qualified in Suffolk County
My Commission Expires Oct. 29, 2022

Exhibit A to Bargain and Sale Deed

Legal Description of Real Property

PARCEL A

Block 2538, Lot 1

ALL THAT CERTAIN plot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at the corner formed by the intersection of the westerly side of West Street with the northerly side of Java Street;

RUNNING THENCE northerly along the westerly side of West Street, 200 feet to the southerly side of India Street;

THENCE westerly along the southerly side of India Street and a line in continuation thereof, 584.50 feet to the exterior line of the established bulkhead along the East River approved by The Secretary of War in 1917;

THENCE southerly along said exterior line of said bulkhead, 183.63 feet to a point in a line drawn parallel with the northerly side of Java Street and its prolongation westerly and distant 20 feet northerly therefrom;

THENCE easterly on a line forming an interior angle of 117 degrees 54 minutes 27 seconds with the last mentioned course, 70.47 feet to a point on the northerly side of Java Street distant 480.58 feet westerly from the northwest corner of said Java Street and West Street;

THENCE easterly along said northerly side of Java Street, 480.58 feet to the point or place of BEGINNING.

TOGETHER with all right, title and interest of Grantor in and to land under water of the East River adjoining the above-described premises and extending out to the Pierhead line established by the Secretary of Water on November 7, 1917.

TOGETHER with all right, title and interest, if any, in and to any streets and roads adjoining the above-described premises including, without limitation, the extensions of said streets into the waters of the East River.

PARCEL B

Block 2530, Lot 20

ALL THAT CERTAIN plot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, and being an extension westerly of a certain street known as India Street, being bounded and described as follows:

BEGINNING at a point on the northerly side of India Street, distant 596 feet 7-1/2 inches westerly from the corner formed by the intersection of the northerly side of India Street and the westerly side of West Street, subject point being on the exterior line of the established bulkhead along the East River approved by The Secretary of War on November 7, 1917;

RUNNING THENCE westerly along the extension westerly of the northerly side of India Street, 467 feet 11-1/2 inches, more or less, to the United States Pierhead line approved November 7, 1917;

THENCE southerly along subject last mentioned Pierhead line, 60 feet, more or less, to a point on the southerly side of India Street, if extended westerly;

THENCE easterly along southerly side of India Street, as extended westerly, a distance of 480.8 feet to a point on the United States Bulkhead line approved November 7, 1917;

THENCE northerly along said United States Bulkhead line approved November 7, 1917, 60 feet, more or less, to the point or place of BEGINNING.

TOGETHER with any interest of Grantor in the land under water constituent the extension of India Street.

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

2020100800795001001S38A3

SUPPORTING DOCUMENT COVER PAGE **PAGE 1 OF 1**

Document ID: 2020100800795001 Document Date: 10-07-2020 Preparation Date: 10-08-2020
Document Type: DEED

ASSOCIATED TAX FORM ID: 2020093000256

SUPPORTING DOCUMENTS SUBMITTED:

	Page Count
DEP CUSTOMER REGISTRATION FORM FOR WATER AND SEWER BILLING	1
RP - 5217 REAL PROPERTY TRANSFER REPORT	2

FOR CITY USE ONLY

C1. County Code | C2. Date Deed Recorded (Month / Day / Year)

C3. Book OR C4. Page

C5. CRFN

REAL PROPERTY TRANSFER REPORT

STATE OF NEW YORK
STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

PROPERTY INFORMATION

1. Property Location: 131 (STREET NUMBER) | WEST STREET (STREET NAME) | BROOKLYN (BOROUGH) | 11222 (ZIP CODE)

2. Buyer Name: JAVA OWNER LLC (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

3. Tax Billing Address: Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form) (LAST NAME / COMPANY) | (FIRST NAME)

(STREET NUMBER AND STREET NAME) | (CITY OR TOWN) | (STATE) | (ZIP CODE)

4. Indicate the number of Assessment Roll parcels transferred on the deed: 2 # of Parcels OR ☐ Part of a Parcel

4A. Planning Board Approval - N/A for NYC

4B. Agricultural District Notice - N/A for NYC

5. Deed Property Size: (FRONT FEET) X (DEPTH) OR (ACRES)

Check the boxes below as they apply:

6. Ownership Type is Condominium ☐

7. New Construction on Vacant Land ☐

8. Seller Name: STILES PROPERTIES, LLC (LAST NAME / COMPANY) | (FIRST NAME)

(LAST NAME / COMPANY) | (FIRST NAME)

9. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐ One Family Residential
B ☐ 2 or 3 Family Residential
C ☐ Residential Vacant Land
D ☐ Non-Residential Vacant Land
E ☑ Commercial
F ☐ Apartment
G ☐ Entertainment / Amusement
H ☐ Community Service
I ☐ Industrial
J ☐ Public Service

SALE INFORMATION

10. Sale Contract Date: 10 / 7 / 2020 (Month / Day / Year)

11. Date of Sale / Transfer: 10 / 7 / 2020 (Month / Day / Year)

12. Full Sale Price: $ 11,082,500.00

(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) *Please round to the nearest whole dollar amount.*

13. Indicate the value of personal property included in the sale

14. Check one or more of these conditions as applicable to transfer:

A ☐ Sale Between Relatives or Former Relatives
B ☑ Sale Between Related Companies or Partners in Business
C ☐ One of the Buyers is also a Seller
D ☑ Buyer or Seller is Government Agency or Lending Institution
E ☐ Deed Type not Warranty or Bargain and Sale (Specify Below)
F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
G ☐ Significant Change in Property Between Taxable Status and Sale Dates
H ☐ Sale of Business is Included in Sale Price
I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
J ☐ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class: E 1

16. Total Assessed Value (of all parcels in transfer): 32,009,82

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional identifier(s)):

BROOKLYN 2538 1 | BROOKLYN 2530 20

2020093000256201 10

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER

BUYER SIGNATURE | DATE

C/O: LENDLEASE DEVELOPMENT INC. 200 PARK AVENUE, 9TH FLOOR

STREET NUMBER | STREET NAME (AFTER SALE)

NEW YORK | NY | 10166

CITY OR TOWN | STATE | ZIP CODE

BUYER'S ATTORNEY

LAST NAME | FIRST NAME

AREA CODE | TELEPHONE NUMBER

SELLER

SELLER SIGNATURE | DATE

2020093000256201

STATE OF NEW YORK, STATE BOARD OF REAL PROPERTY SERVICES
REAL PROPERTY TRANSFER REPORT (RP-5217NYC)

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

SELLER:

STILES PROPERTIES, LLC,
a Delaware limited liability company

Stiles Properties Investor, LLC,
a Delaware limited liability company,
its sole member

Stiles Properties Holdings, LLC
a Delaware limited liability company,
its sole member

Stiles Development, LLC,
a Delaware limited liability company,
its member

Federal Partners, L.P.
a limited partnership,
a member

Ninth Floor Corporation,
a Delaware corporation,
its general partner

By: _____
Name: Kevin Moore
Title: President

RS JZ Greenpoint Investor, LLC,
a Delaware limited liability company,
its member

RS JZ Greenpoint, LLC,
a Delaware limited liability company,
its sole member

RedSky Capital, LLC,
a Delaware limited Liability company,
its manager

By: _____
Name: Benjamin Bernstein
Title: Member

Dated: _____ ___, 2020

STATE OF NEW YORK, STATE BOARD OF REAL PROPERTY SERVICES
REAL PROPERTY TRANSFER REPORT (RP-5217NYC)

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

SELLER:

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a Delaware corporation,
its general partner

By: _____
Name: Kevin Moore
Title: President

RS JZ Greenpoint Investor, LLC,
a Delaware limited liability company,
its member

RS JZ Greenpoint, LLC,
a Delaware limited liability company,
its sole member

RedSky Capital, LLC,
a Delaware limited Liability company,
its manager

By: _____
Name: Benjamin Bernstein
Title: Member

Dated: October 1, 2020

STATE OF NEW YORK, STATE BOARD OF REAL PROPERTY SERVICES
REAL PROPERTY TRANSFER REPORT (RP-5217NYC)

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER:

1 JAVA OWNER LLC,
a Delaware limited liability company

By: _____
Name: Melissa Burch
Title: Authorized Signatory

Dated: October 5, 2020

The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

Customer Registration Form for Water and Sewer Billing

Property and Owner Information:

(1) **Property receiving service: BOROUGH: BROOKLYN** **BLOCK: 2538** **LOT: 1**

(2) **Property Address: 131 WEST STREET, BROOKLYN, NY 11222**

(3) **Owner's Name:** **1 JAVA OWNER LLC**

Additional Name:

Affirmation:

☑ Your water & sewer bills will be sent to the property address shown above.

Customer Billing Information:

Please Note:

A. Water and sewer charges are the legal responsibility of the owner of a property receiving water and/or sewer service. The owner's responsibility to pay such charges is not affected by any lease, license or other arrangement, or any assignment of responsibility for payment of such charges. Water and sewer charges constitute a lien on the property until paid. In addition to legal action against the owner, a failure to pay such charges when due may result in foreclosure of the lien by the City of New York, the property being placed in a lien sale by the City or Service Termination.

B. Original bills for water and/or sewer service will be mailed to the owner, **at the property address or to an alternate mailing address**. DEP will provide a duplicate copy of bills to one other party (such as a managing agent), however, any failure or delay by DEP in providing duplicate copies of bills shall in no way relieve the owner from his/her liability to pay all outstanding water and sewer charges. Contact DEP at (718) 595-7000 during business hours or visit www.nyc.gov/dep to provide us with the other party's information.

Owner's Approval:

The undersigned certifies that he/she/it is the owner of the property receiving service referenced above; that he/she/it has read and understands Paragraphs A & B under the section captioned "Customer Billing Information"; and that the information supplied by the undersigned on this form is true and complete to the best of his/her/its knowledge.

Print Name of Owner:

Signature: _____ Date (mm/dd/yyyy)

Name and Title of Person Signing for Owner, if applicable:

SEE ATTACHED PAGE FOR ADDITIONAL APPLICABLE PROPERTIES

CUSTOMER REGISTRATION FORM FOR WATER AND SEWER BILLING

CERTIFICATION

The undersigned certifies that he/she/it is the owner of the property receiving service referenced above; that he/she/it has read and understands Paragraphs A & B under the section captioned "Customer Billing Information"; and that the information supplied by the undersigned on this form is true and complete to the best of his/hers/its knowledge.

OWNER:

I JAVA OWNER LLC,
a Delaware limited liability company

By: _____
Name: Melissa Burch
Title: Authorized Signatory

Dated: October 5, 2020

The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

Customer Registration Form for Water and Sewer Billing

Borough	Block	Lot	Street	City	State	Zip
BROOKLYN	2530	20	N/A WEST STREET	NY	NY	11222

2020093000256101 14

APPENDIX B

NYSDOS Database Printout and Organization Chart for
1 Java Owner LLC

NYS Department of State

Division of Corporations

Entity Information

The information contained in this database is current through October 19, 2020.

Selected Entity Name: 1 JAVA OWNER LLC

Selected Entity Status Information

Current Entity Name:	1 JAVA OWNER LLC
DOS ID #:	5846401
Initial DOS Filing Date:	SEPTEMBER 29, 2020
County:	NEW YORK
Jurisdiction:	DELAWARE
Entity Type:	FOREIGN LIMITED LIABILITY COMPANY
Current Entity Status:	ACTIVE

Selected Entity Address Information

DOS Process (Address to which DOS will mail process if accepted on behalf of the entity)

C/O C T CORPORATION SYSTEM
28 LIBERTY STREET
NEW YORK, NEW YORK, 10005

Registered Agent

C T CORPORATION SYSTEM
28 LIBERTY STREET
NEW YORK, NEW YORK, 10005

This office does not require or maintain information regarding the names and addresses of members or managers of nonprofessional limited liability companies. Professional limited liability companies must include the name(s) and address(es) of the original members, however this information is not recorded and only available by viewing the certificate.

***Stock Information**

# of Shares	Type of Stock	$ Value per Share
No Information Available		

*Stock information is applicable to domestic business corporations.

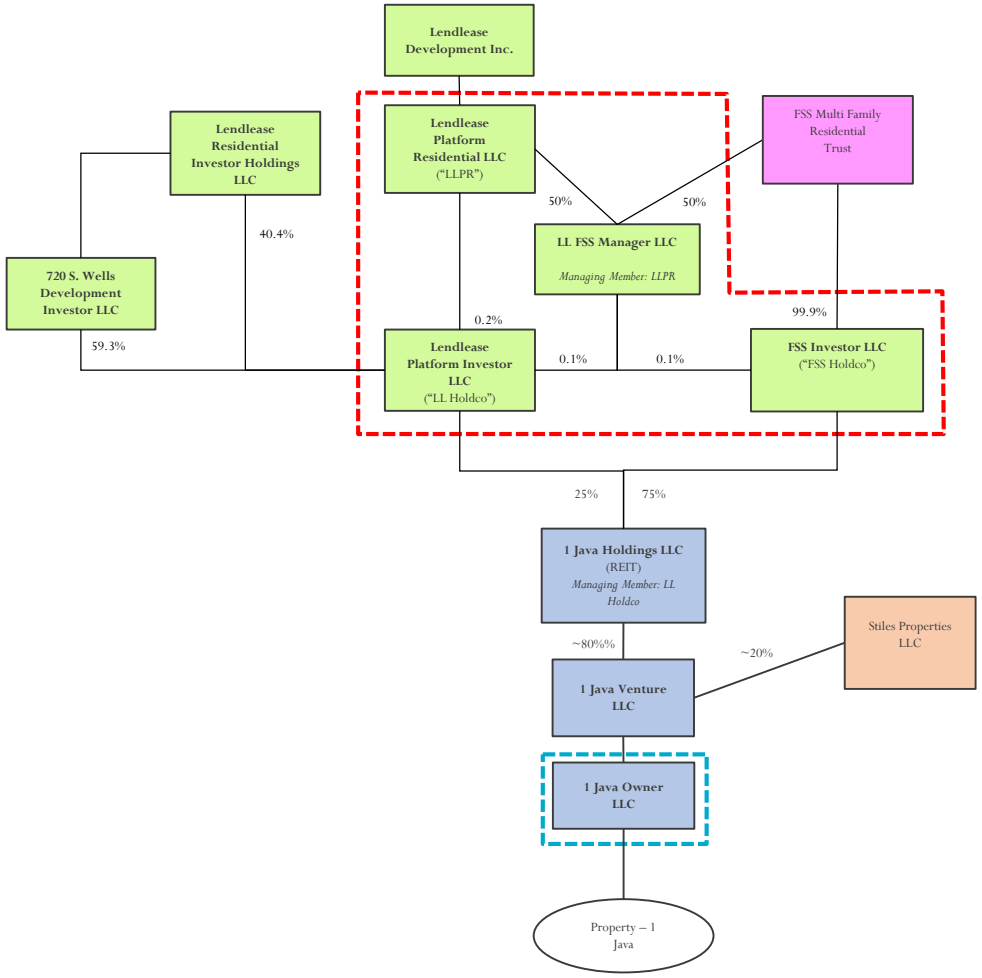
Name History

Filing Date	Name Type	Entity Name
SEP 29, 2020	Actual	1 JAVA OWNER LLC

A **Fictitious** name must be used when the **Actual** name of a foreign entity is unavailable for use in New York State. The entity must use the fictitious name when conducting its activities or business in New York State.

NOTE: New York State does not issue organizational identification numbers.

1 Java Structure



APPENDIX C

Written Signatory Authorization

DocuSign Envelope ID: DB24AAF6-8E8B-4CB6-94BB-028EB8BAB109

CONSENT OF THE SOLE MEMBER OF
1 JAVA OWNER LLC

Pursuant to The Delaware Limited Liability Company Act, the undersigned, being the sole member of 1 Java Owner LLC ("the Company"), does hereby adopt, confirm and consent to the resolutions set forth below and declare them to be in full force and effect as if adopted at an organizational meeting of the sole member of the Company:

NOW, THEREFORE, BE IT RESOLVED, that the undersigned on behalf of the Company, in the undersigned's capacity as sole member of the Company, hereby authorizes, empowers and directs the Company to grant Melissa Burch ("Authorized Signatory") the title of "Authorized Signatory" and to authorize the Authorized Signatory to:

a. Execute documents in connection with the application of the Company for participation in the New York State Brownfield Cleanup Program (the "BCP");

b. Enter into agreements with the New York State Department of Environmental Conservation (the "DEC") in connection with the Company's participation in the BCP;

c. Execute any and all documents in connection with the Company's participation in the BCP, including but not limited to applications, agreements, easements and tax returns;

d. Take any action necessary to the furtherance of the Company's participation in the BCP, including but not limited to conducting negotiations on behalf of the Company.

FURTHER RESOLVED, that an executed copy of this written consent shall be filed in the minute books of the Company; and be it further

RESOLVED, that the authority of such Authorized Signatory hereby conferred shall be deemed retroactive, and any and all acts authorized herein which were performed prior to the passage of this consent are hereby approved and ratified. The authority hereby conferred shall continue in full force and effect until the DEC shall have received notice, in writing, of the revocation hereof by a resolution duly adopted by the Manager of the Company. Any such revocation shall be effective only as to actions taken by the Company subsequent to DEC's receipt of such notice; and be it further

RESOLVED, that the authority of such Authorized Signatory to execute and deliver any of such documents and instruments, and to take any such other action, shall be conclusively evidenced by her execution and delivery thereof or her taking thereof.

DocuSign Envelope ID: DB24AAF6-8E8B-4CB6-94BB-028EB8BAB109

IN WITNESS WHEREOF, the undersigned Member has executed this consent as of November 13, 2020.

1 Java Venture LLC
By: 1 Java Holdings LLC, its managing member
By: Lendlease Platform Investor LLC, its managing member
By: LL FSS Manager LLC, its managing member
By: Lendlease Platform Residential LLC, its managing member
By: Lendlease Development Inc., its sole member

By: 

Gary Kravetz, Secretary

APPENDIX D

Requestor Volunteer Statement

Appendix D: Volunteer Statement

Brownfield Cleanup Program (BCP) Application to Amend Brownfield Cleanup Agreement and Amendment, Greenpoint Ferry Site (C224272)

1 Java Owner LLC - Volunteer Eligibility Statement

The Requestor (1 Java Owner LLC) qualifies as a volunteer because (i) all disposals/releases of hazardous substances occurred prior to the time the Requestor took possession of the Property; and (ii) the Requestor performed all appropriate care prior to taking ownership of the Property, and there have not been any ongoing releases and there have not been any new or threatened releases since the Requestor took possession of the Property.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor, Albany, NY 12233-7016
P: (518) 402-9767 I F: (518) 402-9773
www.dec.ny.gov

July 23, 2021

Christie Walker
1 Java Owner LLC
200 Park Avenue, 9th Floor
New York, NY 10166

RE: Citizen Participation Plan (CPP)
Greenpoint Ferry Site
BCP Site ID No.: C224272
Brooklyn, New York

Dear Christie Walker:

The New York State Department of Environmental Conservation (the Department), in consultation with New York Department of Health (NYSDOH), has reviewed the referenced document, dated April 2021, which was prepared by ROUX, Inc., on behalf of 1 Java Owner LLC (Participant).

NYSDEC has determined that the CPP is approved. The CPP outlines citizen participation activities that will be undertaken to address significant public interest/ concerns about the project. Citizen participation activities will be carried out primarily by the Participant after approval from NYSDEC.

The CPP includes a Site Contact List (SCL), and two (2) document repositories which is to be maintained throughout the project. The SCL for this site may be modified by NYSDEC at any time. Any person interested in receiving information about this site can request to be added to the SCL. Fact Sheets will also be required at various stages of the project as defined in the approved CPP. In addition, all project-related documents will be made available in the document repositories.

Please note that the Major Issues of Public Concerns section of the CPP may be revisited or updated at any time during the project. Any proposed changes to the CPP must be approved by NYSDEC.

In accordance with the requirements of the Brownfield Cleanup Agreement, please place a copy of the approved CPP in the document repositories, and provide certification that the repositories have been populated with all relevant site-related documents.

If there are any questions regarding this letter, please call me at (518) 402-9647 or e-mail me at richard.mustico1@dec.ny.gov.

Sincerely,



Richard P. Mustico, E.I.T.
Engineering Assistant
Remedial Section B

ec: G. Burke, NYSDEC
J. O'Connell, NYSDEC
S. McLaughlin, NYSDOH
M. Doroski, NYSDOH
J. Robinson, NYSDOH
R. Kovacs, ROUX, Inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor, Albany, NY 12233-7016
P: (518) 402-9767 I F: (518) 402-9773
www.dec.ny.gov

September 15, 2021

Isaac Henderson
1 Java Owner LLC
200 Park Avenue, 9th Floor
New York, NY 10166

RE: Change of Use Notification
Greenpoint Ferry Site
Site ID No. C224272
Brooklyn, New York

Dear Isaac Henderson:

This acknowledges our receipt of your September 7, 2021 letter regarding the subject site notifying the New York State Department of Environmental Conservation ("DEC") of a change of use regarding the subject site in accordance with 6 NYCRR 375-1.11(d). This acknowledgment is not intended to imply approval or concurrence with the proposed change of use.

Due to lack of sufficient environmental sampling data received by DEC prior to the proposed work, any work completed at this time cannot be considered related to remedial activities, including remedial action, under the BCP. However, any and all intrusive work requires implementation of a Community Air Monitoring Plan (CAMP), Excavation Work Plan, and Soils/Material Management Plan. Failure to comply with these requirements may constitute a violation of 6 NYCRR part 375-1.11(b)(2)(ii).

We appreciate your attention to this matter. If you have any questions or need additional information, you may contact me at the address given above.

Sincerely,

Richard P. Mustico, E.I.T.
Project Manager
Remedial Section B

ec: G. Burke, NYSDEC
J. O'Connell, NYSDEC
J. Andaloro, OGC
H. Leibowitz, OGC
M. Bogin, SPR Law
R. Kovacs, AKRF

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Greenpoint Ferry Site **DEC Site ID No.** C224272

II. Contact Information of Person Submitting Notification:

Name: Isaac Henderson / 1 Java Owner LLC

Address1: 200 Park Avenue, 9th Floor

Address2: New York, NY 10166

Phone: 917-686-3205 E-mail: isaac.henderson@lendlease.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

☐ Change in Ownership or Change in Remedial Party(ies)

☐ Transfer of Certificate of Completion (CoC)

☑ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 4/15/2021

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Per the original COU Form submitted in February 2021, complete demolition of existing building structures is underway. Building slab on grade will remain in place pending future remedial activities. As directed by NYSDEC in an email dated 8/17/2021, this COU form has been updated to include the completion of geotechnical test pits and borings (CAMP and Soil Handling Plan to support the geotechnical work is attached to this COU Form, as requested by NYSDEC).

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

The demolition of the building structure will aid in facilitating the proposed site remediation, which will include soil excavation for off site disposal and reuse. The geotechnical work will not impact the proposed remedy. Details of the remedial program were provided to NYSDEC in the Remedial Action Work Plan (RAWP), which was submitted to NYSDEC and is pending approval.

V. Certification Statement: Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____ _____
(Signature) (Date)

_____
(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VI. Contact Information for New Owner, Remedial Party, or CoC Holder: If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Certifying Party Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at http://www.dec.ny.gov/chemical/54736.html. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at http://www.dec.ny.gov/chemical/54736.html (see §375-1.9(f)).

Name: _____ _____

(Signature) (Date)

_____

(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Continuation Sheet

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

New York State Department of Environmental Conservation

Instructions for Completing the 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion (CoC), and/or Ownership Form

Submit to: Chief, Site Control Section, New York State Department of Environmental Conservation, Division of Environmental Remediation, 625 Broadway, Albany NY 12233-7020

Section I	**Description**
Site Name	Official DEC site name. (see http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3)
DEC Site ID No.	DEC site identification number.

Section II	**Contact Information of Person Submitting Notification**
Name	Name of person submitting notification of site change of use, transfer of certificate of completion and/or ownership form.
Address1	Street address or P.O. box number of the person submitting notification.
Address2	City, state and zip code of the person submitting notification.
Phone	Phone number of the person submitting notification.
E-mail	E-mail address of the person submitting notification.

Section III	**Type of Change and Date**
Check Boxes	Check the appropriate box(s) for the type(s) of change about which you are notifying the Department. Check all that apply.
Proposed Date of Change	Date on which the change in ownership or remedial party, transfer of CoC, or other change is expected to occur.

Section IV	**Description**
Description	For each change checked in Section III, describe the proposed change. Provide all applicable maps, drawings, and/or parcel information. If "Other" is checked in Section III, explain how the change may affect the site's proposed, ongoing, or completed remedial program at the site. Please attach additional sheets, if needed.

Section V Certification Statement

This section must be filled out if the change of use results in a change of ownership or responsibility for the proposed, ongoing, or completed remedial program for the site. When completed, it provides DEC with a certification that the prospective purchaser has been provided a copy of any order, agreement, or State assistance contract as well as a copy of all approved remedial work plans and reports.

Name	The owner of the site property or their designated representative must sign and date the certification statement. Print owner or designated representative's name on the line provided below the signature.
Address1	Owner or designated representative's street address or P.O. Box number.
Address2	Owner or designated representative's city, state and zip code.
Phone	Owner or designated representative's phone number.
E-Mail	Owner or designated representative's E-mail.

Section VI Contact Information for New Owner, Remedial Party, and CoC Holder (if a CoC was issued)

Fill out this section only if the site is to be sold or there will be a new remedial party. Check the appropriate box to indicate whether the information being provided is for a Prospective Owner, CoC Holder (if site was ever issued a COC), Prospective Remedial Party, or Prospective Owner Representative. Identify the prospective owner or party and include contact information. A Continuation Sheet is provided at the end of this form for additional owner/party information.

Name	Name of Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
Address1	Street address or P.O. Box number for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Address2	City, state and zip code for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Phone	Phone number for the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
E-Mail	E-mail address of the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.

If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/EC), indicate who will be the certifying party(ies). Attach additional sheets, if needed.

Certifying Party	
Name	Name of Certifying Party.
Address1	Certifying Party's street address or P.O. Box number.
Address2	Certifying Party's city, state and zip code.
Phone	Certifying Party's Phone number.
E-Mail	Certifying Party's E-mail address.

Section VII Agreement to Notify DEC After Property Transfer/Sale

This section must be filled out for all property transfers of all or part of the site. If the site also has a CoC, then the CoC shall be transferred using DEC's form found at http://www.dec.ny.gov/chemical/54736.html

Filling out and signing this section of the form indicates you will comply with the post transfer notifications within the required timeframes specified on the form. If a CoC has been issued for the site, the DEC will allow 30 days for the post transfer notification so that the "Notice of CoC Transfer Form" and proof of it's filing can be included. Normally the required post transfer notification must be submitted within 15 day (per 375-1.11(d)(3)(ii)) when no CoC is involved.

Name	Current property owner must sign and date the form on the designated lines. Print owner's name on the line provided.
Address1	Current owner's street address.
Address2	Current owner's city, state and zip code.

Geotechnical Environmental Support Plan

Greenpoint Ferry Site
127-141 West Street
Brooklyn, New York

September 6, 2021

Prepared for:

Lendlease Development Inc.
200 Park Avenue, 9th Floor
New York, New York 10166

Prepared by:

Roux Environmental Engineering and Geology, D.P.C.
209 Shafter Street
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1. Introduction

Roux Environmental Engineering and Geology, D.P.C. (Roux) has prepared this Geotechnical Environmental Support Plan (Plan) on behalf of 1 Java Owner LLC (1 Java Owner) to detail the environmental components related to the completion of geotechnical test pits and borings at the Greenpoint Ferry site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site or property; Figure 1). The Site is also identified as Tax Block and Lot 3-2538-1. As requested by the New York State Department of Environmental Conservation (NYSDEC), this Plan is being submitted as part of an updated Change of Use submission for this Site. All activities completed as part of the implementation of this Plan will be summarized in the Final Engineering Report (FER), which will be prepared and submitted to NYSDEC following the completion of all remedial work at the Site.

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018 to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, 1 Java Owner was added to the BCA as a Participant on January 8, 2021. In the course of remediation and redevelopment, the existing structures at the Site will be demolished to facilitate access to subgrade soils and groundwater for remediation to support redevelopment. At this time, 1 Java Owner anticipates that the redevelopment for the Site will include a mixed commercial, residential, and recreational use development. The western end of the property will remain improved with an active New York City East River ferry terminal.

This Plan has been prepared in accordance with NYSDEC procedures set forth in the document titled DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010, and complies with all applicable federal, state and local laws, regulations and requirements.

1.1 Objectives and Scope of the Plan

The Site is improved with two connected warehouse-style buildings. These buildings are currently vacant but were previously utilized for a number of different commercial purposes, as described in section 2.1.1 of this Plan. There is also an active New York City East River ferry terminal on the western portion of the property. The Plan includes the completion of geotechnical test pits and borings, which are proposed to be completed after the building demolition and will need to be completed in order to allow for the remediation to take place. Further details regarding the remedial action beyond what is described in this Plan will be provided in the RAWP, which will be provided as a separate submittal.

Plans depicting the proposed scope of work for the Site are presented on Figure 2. The Plan is a component of, but does not constitute, the overall remedy for the Site. The objectives of the Plan are to conduct community air monitoring during exterior soil disturbance activities. This will advance the BCP goals but will not complete the remediation of the Site.

The remainder of this Plan is organized as follows:

Section 2: Site Background

Section 3: Scope of Work

Section 4: Soils/Materials Management Plan

2. Background

Relevant Site background information is presented in this section. A Site location map is included as Figure 1.

2.1 Site Description and Setting

Site Location	
Site Name:	Greenpoint Ferry Site
Site Address:	127-141 West Street
Site Town, County, State:	Neighborhood of Greenpoint, Brooklyn Kings County, New York
Site Tax Identification:	Section 3, Block 2538, Lot 1
Nearest Intersection:	The Site is bounded by India Street to the north, Java Street to the south, West Street to the east, and the East River to the west.
Area Description:	The Site is in a mixed-use area of Brooklyn, New York. To the north is India Street and then Huxley Envelope BCP Site further north (still under construction); to the south is Java Street and then warehouse-style commercial buildings further south; to the east is West Street and then mixed use commercial/residential properties further east; and to the west is the East River.

Site Information	
Site Acreage:	2.441 (total)
Site Shape:	Rectangular
Site Use:	The Site is improved with two connected warehouse-style buildings utilized for storage by respective movie prop storage companies. These buildings are currently undergoing demolition. There is also an active New York City East River ferry terminal on the western portion of the property. Stored material inside the buildings consists of, but was not limited to movie props, such as furniture, paintings, kitchen-ware, wagons, clothing, lighting fixtures and the like.
Basement/ Slab-on-Grade:	Slab-on-grade

2.1.1 Site Operations

According to the available Sanborn® Fire Insurance Maps, the Site was developed sometime prior to 1887. The current Site buildings were constructed by circa 1942. As of 1951, piers/docks are noted at the end of each street along the shoreline of the East River from Green Street (to the north) to Milton Street (to the south), including India Street. All the piers/docks, except for the pier/dock at the end of Green Street, were no longer depicted by 2006. By 2011, a new pier/dock at the end of India Street was noted (current pier used as NYC Ferry terminal). Further review of the documents suggests that there was a partial bulkhead collapse and the shoreline adjacent to the Site had eroded over time beginning in the late 1980s.

The historical Site uses include: lumber storage (including presence of a drying kiln) and planing mill (western portion of the Site) between 1887 until the 1940s; an Independent Energy Plant (IEP); a sash, door and blind factory; sheet metal works (fabrication); truck repair; gasoline tank and pumps for fueling; bottling plant warehouse; plastics manufacturer; cargo storage; and parking. The two connected warehouse-style buildings at the Site are currently vacant and undergoing demolition.

2.1.2 Topography/Hydrogeology

The Site is bordered to the west by the East River, where there is an active NYC East River ferry terminal; to the south by warehouse-style commercial buildings; to the east by mixed-use commercial/residential properties; and to the north by a new residential building in the process of being constructed on the Huxley Envelope BCP Site. The Site topography is relatively flat with an elevation of approximately 9 feet above mean sea level. Regional elevation slopes gently to the west.

Based on the soil borings completed during this Remedial Investigation (RI) and geotechnical investigations, fine to medium sand with varying amounts of course sand, silt, gravel, tar, brick and concrete fragments (historic fill layer) ranging in thickness of up to 15 to 20 feet throughout most of the Site, and deeper near the waterfront was encountered. This fill layer was underlain by a native glacial silty fine to medium sand stratum with varying amounts of gravel and silt. Bedrock was not encountered during the RI. Groundwater was encountered at depths ranging from six to eight feet below land surface (ft bls).

2.2 Summary of Environmental Conditions

The following is a summary of environmental conditions at the Site.

2.2.1 RI Environmental Sampling

Data collected as part of the Roux RI work is provided in Tables 1 through 11 and summarized in Figures 4 through 7, and the locations of all RI samples are shown on Figure 3. A summary of all activities completed is provided below, and a complete analysis of the data can be found in the Remedial Investigation Report (RIR) dated March 2020 (approved by NYSDEC on April 22, 2020).

As part of the RI beginning on September 15, 2017, Roux installed a total of seventeen soil borings (SB-1 through SB-12 and MW-1 through MW-5) at the Site. Five of the 17 soil borings were converted to permanent monitoring wells (MW-1 through MW-5) for collection of water-level elevation measurements and groundwater sampling. Additionally, 10 soil vapor points (SV-1 through SV-10) were installed during the RI for the collection of soil vapor samples. The locations of all soil borings, monitoring wells and soil vapor points are shown on Figure 3.

As part of the RI completed by Roux, a total of 53 discrete soil samples (excluding quality assurance/quality control [QA/QC] samples) were collected and submitted for laboratory analysis for the following parameters:

- Target Compound List (TCL) VOCs;
- TCL semivolatile organic compounds (SVOCs);
- TCL pesticides;
- PCBs; and
- Target Analyte List (TAL) metals.

A total of five groundwater samples (excluding QA/QC samples) were collected and submitted for laboratory analysis for the following parameters:

- TCL VOCs;
- TCL SVOCs;
- PCBs;
- Pesticides; and
- TAL Metals (total and dissolved).

A total of ten soil vapor samples (excluding QA/QC samples) were collected and submitted for laboratory analysis for the following parameter:

- VOCs via USEPA Method TO-15.

Soil/Fill Results

The soil laboratory analytical results were compared to NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs), Protection of Groundwater SCOs and Restricted Residential SCOs.

There were two VOCs (acetone and naphthalene) detected above the Protection of Groundwater SCOs, and one VOC detected above the Restricted Residential SCOs, as described below:

- Acetone was detected at a concentration exceeding its Protection of Groundwater SCO (0.05 milligrams per kilogram [mg/kg]) in four soil samples at four locations (SB-1/10-12, SB-4/8-10, MW-4/8-10, and SB-7/10-12). Acetone is commonly used in laboratories, and thus, may be introduced into a sample from laboratory cross-contamination and is not from the Site.
- Naphthalene was detected at a concentration exceeding its Protection of Groundwater SCO (12 mg/kg) in three samples at two locations (SB-10/0-2, SB-10/5-7, SB-11/3-5). Two samples also had a concentration of naphthalene that exceeded its Restricted Residential SCO (100 mg/kg), including SB-10/5-7 (detected at concentration of 120 mg/kg) and SB-11/3-5 (detected at concentration of 140 mg/kg).

There were seven SVOCs (all polycyclic aromatic hydrocarbons [PAHs]) detected above the Protection of Groundwater SCOs and seven SVOCs detected above the Restricted Residential SCOs, as summarized below:

- 3- and 4-Methylphenol (total) was detected at a concentration exceeding its Protection of Groundwater SCO (0.33 mg/kg) in three samples at three locations at depths ranging from 0-12 ft ft bls. The maximum concentration detected was 0.870 mg/kg (estimated), which was found in sample SB-11/3-5.
- Benzo[a]anthracene was detected at a concentration exceeding its Protection of Groundwater SCO and Restricted Residential SCO (both 1 mg/kg) in 14 samples at nine locations at depths ranging from 0-12 ft bls. The maximum concentration detected was 42 mg/kg, which was found in both samples SB-4/8-10 and SB-11/3-5.
- Benzo[a]pyrene was detected at a concentration exceeding its Restricted Residential SCO (1 mg/kg) in 13 samples at eight locations at depths ranging from 0-12 ft bls. Three samples also had a concentration of benzo[a]pyrene that exceeded its Protection of Groundwater SCO (22 mg/kg). The maximum concentration detected was 54 mg/kg, which was found in sample SB-4/8-10.
- Benzo[b]fluoranthene was detected at a concentration exceeding its Restricted Residential SCO (1 mg/kg) in sixteen samples at 11 locations at depths ranging from 7-17 ft bls. Nine samples at six locations also had concentrations of benzo[b]fluoranthene that exceeded its Protection of

Groundwater SCO (1.7 mg/kg). The maximum concentration detected was 57 mg/kg, which was found in sample SB-4/8-10.

- Benzo[k]fluoranthene was detected at a concentration exceeding its Protection of Groundwater SCO (1.7 mg/kg) in six samples at four locations at depths ranging from 0-10 ft bls. Four samples at three locations also had a concentration of benzo[k]fluoranthene that exceeded its Restricted Residential SCO (3.9 mg/kg). The maximum concentration detected was 17 mg/kg, which was found in sample SB-4/8-10.
- Chrysene was detected at a concentration exceeding its Protection of Groundwater SCO (1 mg/kg) in 13 samples at nine locations at depths ranging from 0-10 ft bls. Six samples at four locations also had a concentration of chrysene that exceeded its Restricted Residential SCO (3.9 mg/kg). The maximum concentration detected was 36 mg/kg, which was found in sample SB-11/3-5.
- Dibenzo(a,h)anthracene was detected at a concentration exceeding its Restricted Residential SCO (0.33 mg/kg) in six samples at four locations at depths ranging from 0-10 ft bls. The maximum concentration detected was 8.3 mg/kg, which was found in sample SB-4/8-10.
- Indeno(1,2,3-cd)pyrene was detected at a concentration exceeding its Restricted Residential SCO (0.5 mg/kg) in 17 samples at twelve locations at depths ranging from 0-12 ft bls. Four samples at three locations also had a concentration of indeno(1,2,3-cd)pyrene that exceeded its Protection of Groundwater SCO (8.2 mg/kg). The maximum concentration detected was 36 mg/kg, which was found in sample SB-4/8-10.
- Phenanthrene was detected at a concentration of 120 mg/kg in sample SB-11/3-5. This sample exceeded the Restricted Residential SCO (100 mg/kg).

There were five metals detected above the Protection of Groundwater SCOs and/or the Restricted Residential SCOs. Laboratory analytical data for the soil exceedances for metals are summarized below:

- Arsenic was detected at a concentration exceeding its Protection of Groundwater SCO and Restricted Residential SCO (both 16 mg/kg) in nine samples at six locations at depths ranging from 0-12 ft bls. The maximum detection of arsenic was 71.4 mg/kg, found in sample SB-10/0-2.
- Cadmium was detected at a concentration exceeding its Restricted Residential SCO and Protection of Groundwater SCO (4.3 mg/kg and 7.5 mg/kg, respectively) in one sample (SB-2/10-12), with a concentration of 8.61 mg/kg.
- Copper was detected at a concentration exceeding its Restricted Residential SCO (270 mg/kg) in one sample (SB-7/2.5-4.5), with a concentration of 1,590 mg/kg.
- Lead was detected at a concentration exceeding its Restricted Residential SCO and Protection of Groundwater SCO (400 mg/kg and 450 mg/kg, respectively) in two samples from two locations. Specifically, lead was detected in sample SB-1/10-12 at 2,530 mg/kg, and in sample SB-5/2.5-4.5 at 1,090 mg/kg.
- Mercury was detected at a concentration exceeding its Protection of Groundwater SCO (0.73 mg/kg) in four samples at four locations. Three samples also had a concentration of mercury that exceeded its Restricted Residential SCO (0.81 mg/kg). The highest concentration of mercury detected was 2 mg/kg in sample SB-1/10-12.

There were minor detections of PCBs and pesticides; however, all detections were below all applicable SCOs.

Groundwater Results

Laboratory analytical data for groundwater samples are summarized in Tables 6 through 10 and are compared to NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs) for Class GA groundwater.

There were no detections of VOCs exceeding the AWQSGVs. The only VOC detected was chloroform, at a maximum concertation of 5.6 micrograms per liter (µg/L) in well MW-2 at its AWQSGV of 5.6 µg/L.

Groundwater SVOC exceedances were identified in two monitoring wells (MW-1 and MW-4). A total of four SVOCs, including benzo[a]anthracene (maximum concentration of 0.04 µg/L in well MW-4); benzo[a]pyrene (maximum concentration of 0.06 µg/L in well MW-4); benzo[b]fluoranthene (maximum concentration of 0.03 µg/L in well MW-MW-4); and indeno(1,2,3-c,d)pyrene (maximum concentration of 0.06 µg/L in well MW-4) were found exceeding their AWQSGVs. These detections were relatively low and estimated by the laboratory since they were below reporting limits. These detections are related to the historic fill placed at the Site below the water table.

Five metals were detected above the AWQSGVs, including antimony (maximum detection of 4.11 µg/L found in MW-5); iron (maximum detection of 35,400 µg/L found in MW-1); magnesium (maximum detection of 104,000 µg/L found in MW-1); manganese (maximum detection of 4,574 µg/L found in MW-3); and sodium (maximum detection of 986,000 µg/L found in MW-1). Note that these are all naturally occurring metals that are commonly found in groundwater. Laboratory analysis for the field filtered and unfiltered samples yielded fairly consistent results.

PCBs and pesticides were not detected in any of the groundwater samples collected during the RI.

Soil Vapor Results

Ten soil vapor samples were collected from locations beneath the existing warehouse buildings, as shown on Figure 2 and submitted for analysis for VOC. As shown in Table 11, in total, 25 compounds were detected in the 10 soil vapor samples collected.

There are currently no standards for soil vapor established by either NYSDEC or the New York State Department of Health (NYSDOH). The NYSDOH has established guidance for evaluating soil vapor intrusion in which the results of soil vapor samples are compared to corresponding indoor air quality results. The guidance is presented in Matrix A, Matrix B, and Matrix C from the NYSDOH Center for Environmental Health (CEH) Bureau of Environmental Exposure Investigation (BEEI) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (matrices were updated in May 2017). The matrices provide guidance relative to carbon tetrachloride, cis-1,2-dichloroethene, 1,1-dichloroethene, trichloroethene (TCE), tetrachloroethene (PCE), 1,1,1-trichloroethane, methylene chloride, and vinyl chloride.

Matrix A Compounds: carbon tetrachloride, cis-1,2-dichloroethene, 1,1-dichloroethene, TCE

- Carbon tetrachloride was not detected in soil vapor.
- Cis-1,2-dichloroethene was detected in one soil vapor sample (SV-10 DUP) at a concentration of 116 micrograms per cubic meter (µg/m^3). Note that this was a duplicate sample, and cis-1,2-dichloroethene was not detected in the corresponding original sample (SV-10), suggesting that this elevated detection was an anomaly and not representative of Site conditions).
- 1,1- Dichloroethene was detected in one soil vapor sample (SV-10 DUP) at a concentration of 2.87 µg/m^3.
- TCE was detected in five soil vapor samples (SV-1, SV-2, SV-8, SV-9 and SV-10 DUP) at concentrations ranging from 1.35 µg/m^3 to 14.1 µg/m^3, with a maximum detection in SV-10 DUP.

Matrix B Compounds: PCE, 1,1,1-trichloroethane, methylene chloride

- PCE was detected in all eleven soil vapor samples (SV-1 through SV-10 and SV-10 DUP) ranging in concentration from 2.79 µg/m^3 to 304 µg/m^3, with a maximum detection in soil vapor sample SV-10 DUP. Note that this was a duplicate sample, and PCE was detected at only 2.9 µg/m^3 in the corresponding original sample (SV-10), suggesting that this elevated detection was an anomaly and not representative of site conditions.
- 1,1,1-Trichloroethane was detected in three soil vapor samples (SV-8, SV-9, and SV-10 DUP) ranging in concentration from 1.36 µg/m^3 to 47.6 µg/m^3, with a maximum detection in soil vapor sample SV-10 DUP. Note that this was a duplicate sample, and 1,1,1-Trichloroethane was not detected in the corresponding original sample (SV-10), suggesting that this elevated detection was an anomaly and not representative of site conditions.
- Methylene chloride was detected in one soil vapor sample (SV-2) at a concentration of 2.2 µg/m^3.

Matrix C Compound: vinyl chloride

- Vinyl chloride was detected in one soil vapor sample (SV-10 DUP) at a concentration of 1.55 µg/m^3.

Additionally, chloroform was detected in excess of the United States Environmental Protection Agency (USEPA) Target Sub-Slab Concentration of 4.1 ug/m3 in seven samples: SV-1 (40 µg/m^3), SV-2 (237 µg/m^3), SV-3 (27.9 µg/m^3), SV-4 (5.13 µg/m^3), SV-5 (8.79 µg/m^3), SV-8 (16 µg/m^3), and SV-9 (10 µg/m^3).

3. Scope of Work

The scope of work for the Plan consists of the following tasks:

- Site mobilization and Site preparation, including installation of the perimeter construction fence; and
- Completion of geotechnical test pits and borings to evaluate the efficacy of the proposed foundation elements.

Implementation of the Plan will be in accordance with the Soils/Materials Management Plan (SoMP) included in Section 4 of this Plan.

3.1 Mobilization and Site Preparation

The selected Contractor will supply labor (Hazardous Waste Operations and Emergency Response [HAZWOPER] Certified in accordance with OSHA 1910.120) and materials required for the implementation of the scope of work. In addition, necessary permits, insurance, bonds, and licenses required to complete the work will be obtained and fees necessary to obtain these permits will be paid. Mobilization and Site preparation activities include:

1. Mobilization of equipment to the work area; and
2. Installation of construction fencing (in accordance with New York City Department of Buildings [NYCDOB] requirements) and traffic barricades surrounding the Site to delineate the work zone, act as a work Site security measure, and mark the truck loading and decontamination areas.

3.2 Geotechnical Test Pits and Borings

Up to seven geotechnical test pits will be advanced through the building slab, at the locations shown in Figure 2. Additionally, approximately 3 geotechnical borings will be advanced at the west end of the Site. The test pits will be advanced to an estimated depth of six ft bls, and borings to an estimated 100 ft bls, and all excavated soil and drill spoils will be returned to the test pit/boring (provided gross contamination is not observed) in accordance with the procedures detailed in Section 4.2. It is anticipated that the test pits and borings will be conducted post demolition, therefore, Roux anticipates conducting CAMP during all test pitting activities. Oversight and CAMP will continue until the cover system is restored with concrete or a temporary cover consisting of 6 inches of stone. Details of the air monitoring requirements are provided in Section 4.12.

4. Soils/Materials Management Plan

The following sections provide the SoMP to be implemented during the Plan. It should be noted that the only soil disturbance that will be performed during the Plan will be done as part of the limited geotechnical test pitting and boring activities. The procedures below are largely being provided in case unexpected conditions are encountered.

4.1 Soil Screening Methods

Visual, olfactory and photoionization detector (PID) soil screening and assessment will be performed during geotechnical test pitting that are conducted under the supervision of Roux personnel.

4.2 Stockpile Methods

Soil excavated during geotechnical test pitting will be segregated (unsaturated versus saturated [if encountered]). Stockpiles will be used only when necessary and will be removed as soon as practicable. Excavated soils will be stockpiled on, at minimum, double layers of 6-mil minimum poly-sheeting, will be kept covered at all times (except when material is being added or removed) with appropriately anchored polyethylene sheeting, and will be routinely inspected. Broken or ripped sheeting will be promptly replaced. If used, roll-off containers for saturated materials will be lined. While stockpiles are in place, they will be inspected at a minimum each week, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by NYSDEC.

Stockpile activities will be compliant with applicable laws and regulations. Stockpiles of excavated soils and other materials will be located a minimum of 20 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles as needed, except for areas where access by equipment is required. Hay bales will be used as needed near catch basins, surface waters and other discharge points.

Stockpiles of petroleum-contaminated soils are not anticipated to remain onsite for longer than 60 days. In the event that stockpiles will need to remain onsite longer than 60 days, Roux will coordinate with NYSDEC.

4.3 Characterization of Excavated Materials

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

4.4 Materials Excavation and Load Out

Roux will oversee all invasive work and the excavation and load-out of all excavated material.

The Participant and its contractors are solely responsible for safe execution of all invasive and other work performed under this Plan. The selected contractor will be required to place a one-call dig safe notification prior to mobilization. In addition, existing private mark out information, where available, will be consulted prior to excavation. Support of excavation will be provided, if necessary, based upon Site conditions and local regulations.

Loaded vehicles leaving the Site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and New York State Department of Transportation (NYSDOT) requirements (and all other applicable transportation requirements).

Loaded outbound trucks will be inspected by Roux and cleaned, if necessary, before leaving the Site.

Locations where vehicles enter or exit the Site shall be inspected daily for evidence of off-Site sediment tracking. Vehicles/trucks will either be staged on asphalt/concrete, where still existing, or in the event that the asphalt/concrete is removed, contractor will install and maintain a stabilized construction entrance at any vehicle egress points. Regardless, all egress points for truck and equipment transport from the Site will be clean of dirt and other materials derived from the Site during the implementation of the Plan. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

Mechanical processing of historical fill and contaminated soil on-Site is prohibited.

4.5 Materials Transport Off-Site

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

The proposed inbound truck route to the Site is:

- From Interstate 278, take McGuiness Blvd north
- Take Greenpoint Avenue west (left turn)
- Turn north on Franklin Street (right turn)
- Turn west on Java Street (left turn)
- The Site is located on the right

The proposed outbound truck route from the Site is:

- Leave the Site in India Street
- Take Franklin Street south (right turn)
- Take Greenpoint Avenue east (left turn)
- Take McGuiness Blvd south (right turn)

These are the most appropriate routes and take into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, trucks loaded with Site materials will travel to/from the Site using these approved truck routes. Tiffany Street, Bruckner Boulevard and Garrison Avenue are New York City Department of Transportation approved Local Truck Routes.

Trucks will avoid stopping and idling in the neighborhood outside the project Site, to the extent practicable. Queuing of trucks will be performed on-Site, when possible, in order to minimize off Site disturbance. Off-Site queuing will be minimized.

Egress points for truck and equipment transport from the Site will be kept clean of dirt and other materials during the Plan implementation.

Material transported by trucks exiting the Site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

4.6 Materials Disposal Off-Site

All soil/fill/solid waste excavated and removed from the Site will be disposed of in accordance with regulatory requirements based on the levels of contamination found to be present in waste characterization samples collected.

4.7 Materials Reuse On-Site

Soil generated during the geotechnical test pitting and borings will be reused on-Site, as appropriate, provided no impacts are observed (staining, odors, PID response). "Reuse on-Site" means material that is excavated during the geotechnical test pitting does not leave the property and is put back in the excavation or boring from which it came. Roux will confirm that materials proposed for reuse are segregated from other materials to be exported from the Site and that procedures defined for material reuse in this SoMP are followed. If impacts to soil are observed, the soil will be sampled and disposed of offsite and offsite backfill will be used (Section 4.9).

Soil or fill excavated from the Site during the Plan will not be reused within a final cover soil layer or within landscaping berms.

Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the Site is prohibited for reuse on-Site.

4.8 Fluids Management

All liquids to be removed from the Site will be handled, transported and disposed in accordance with applicable laws and regulations. .

Dewatering is not expected to be necessary during implementation of this Plan.

4.9 Backfill from Off-Site Sources

All materials proposed for import onto the Site will be approved by Roux and will be in compliance with provisions in this Plan prior to receipt at the Site.

Material from industrial sites, spill sites, other environmental remediation sites or other potentially contaminated sites will not be imported to the Site. Solid waste will not be imported onto the Site.

All imported soils will meet NYSDEC approved backfill or cover soil quality objectives for this Site. These NYSDEC approved backfill or cover soil quality objectives are the lower of the protection of groundwater or the protection of public health soil cleanup objectives for Restricted-Residential or higher use as set forth in Table 375-6.8(b) of 6 NYCRR Part 375. Non-compliant soils will not be imported onto the Site without prior approval by NYSDEC.

Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this Site, will not be imported onto the Site without prior approval by NYSDEC.

In accordance with DER-10, the following material may be imported, without chemical testing, to be used as backfill beneath pavement, buildings or as part of the final site cover, provided that it contains less than 10% by weight material which would pass through a size 80 sieve and consists of:

- gravel, rock or stone, consisting of virgin material from a NYSDEC permitted mine or quarry; or
- recycled concrete or brick from a NYSDEC registered construction and demolition debris processing facility if the material conforms to the requirements of Section 304 of the New York State Department of Transportation *Standard Specifications Construction and Materials Volume 1* (2002).

Trucks entering the Site with imported soils will be securely covered with tight fitting covers.

4.10 Stormwater Pollution Prevention

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

4.11 Contingency Plan

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during implementation of the Plan.

If underground tanks or other previously unidentified contaminant sources are found during on-Site remedial excavation, sampling will be performed on potentially contaminated source material and surrounding soils and reported to NYSDEC. Chemical analytical work will be for NYSDEC CP-51 Soil Cleanup Guidance Tables 2 and 3, Soil Cleanup Levels for Gas and Fuel Oil Contaminated Soil (CP-51) parameters. In areas where samples will be collected in close proximity to the location of a soil sample proposed in the RIWP, the full suite of parameters (TCL VOCs, TCL SVOCs, TAL metals, PCBs, pesticides and herbicides) will be analyzed. Analyses will not be otherwise limited without NYSDEC approval.

Identification of unknown or unexpected contaminated media identified by screening during invasive Site work will be promptly communicated by phone to NYSDEC's Project Manager. These findings will be also included in daily and periodic electronic media reports.

4.12 Health and Safety Plan

A site-specific Health and Safety Plan (HASP) was prepared and is included as part of this Plan. All of the field work will be performed using the site-specific HASP. The Site-specific CAMP was prepared in accordance with DER-10, Appendix 1A and is provided as Appendix B.

4.13 Community Air Monitoring Plan

In accordance with the Site-specific Health and Safety Plan (HASP, Appendix A), CAMP monitoring will be implemented during the geotechnical test pitting. The CAMP monitoring will be performed in accordance with the site-specific CAMP (Appendix B) and will include the real-time monitoring of VOCs and particulates at the upwind and downwind perimeter of the designated work area. One additional air monitoring station will be placed at the perimeter of the Site near the active ferry terminal. Should monitoring results exceed action levels as noted in the CAMP, efforts will be made to mitigate/eliminate the exceedance.

4.14 Odor, Dust, and Nuisance Control Plan

4.14.1 Odor Control Plan

In addition to the CAMP monitoring, Roux will closely monitor the presence of odors emanating from either the excavation or the stockpile.

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

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, the source of odors will be identified and corrected. If necessary, to identify or correct a nuisance odor source, work will be temporarily halted and will not resume until such nuisance odors have been identified and abated. NYSDEC will be notified of all odor complaint events on a daily basis in the Daily Reports or via email within 24 hours of the event.

4.14.2 Dust Control Plan

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

- Use of properly anchored tarps to cover stockpiles;
- Exercising extra care during dry and high-wind periods; and
- Dust suppression will be achieved through the use of water for wetting excavation areas. Water will be available on-Site at suitable supply and pressure for use in dust control.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted, and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. NYSDEC will be notified of all dust complaint events on a daily basis in the Daily Reports or via email within 24 hours of the event.

4.14.3 Other Nuisances

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards. Rodent control will be provided during the remedial program, as necessary, to prevent nuisances.

TABLES

1. Summary of Volatile Organic Compounds Detected in Soil
2. Summary of Semivolatile Organic Compounds Detected in Soil
3. Summary of Metals Detected in Soil
4. Summary of Polychlorinated Biphenyls Detected in Soil
5. Summary of Pesticides and Herbicides Detected in Soil
6. Summary of Volatile Organic Compounds Detected in Groundwater
7. Summary of Semivolatile Organic Compounds Detected in Groundwater
8. Summary of Metals Detected in Groundwater
9. Summary of Polychlorinated Biphenyls Detected in Groundwater
10. Summary of Pesticides Detected in Groundwater
11. Summary of Volatile Organic Compounds in Soil Vapor

Notes Utilized Throughout Tables	
Soil Tables	
J -	Estimated value
U -	Indicates that the compound was analyzed for but not detected
T -	Indicates that a quality control parameter has exceeded laboratory limits
V -	Value altered or qualifier added during data validation
R -	Sample results rejected by validator
UJ -	Analyte was not detected. The associated reported quantitation limit is an estimate
NJ -	Detection is tentative in identification and estimated in value
J+ -	Estimated value, high bias
J- -	Estimated value, low bias
ft bls -	Feet below land surface
FD -	Duplicate sample
mg/kg -	Milligrams per kilogram
NYSDEC -	New York State Department of Environmental Conservation
SCO -	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	
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO	
Groundwater Tables	
NYSDEC -	New York State Department of Environmental Conservation
AWQSGVs -	Ambient Water-Quality Standards and Guidance Values
µg/L -	Micrograms per liter
J -	Estimated Value
U -	Compound was analyzed for but not detected
T -	Indicates that a quality control parameter has exceeded laboratory limits
V -	Value altered or qualifier added during data validation
R -	Sample results rejected by validator
UJ -	Analyte was not detected. The associated reported quantitation limit is an estimate
NJ -	Detection is tentative in identification and estimated in value
J+ -	Estimated value, high bias
J- -	Estimated value, low bias
FD -	Duplicate
--	No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs	
Soil Vapor	
J -	Estimated value
U -	Indicates that the compound was analyzed for but not detected
FD -	Duplicate sample
ug/m3 -	Micrograms per cubic meter
Bold data indicates that parameter was detected	

Table 1. Summary of Volatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3	MW-3
			Sample Date:		09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017
			Sample Depth (ft bls):		3 - 5	9 - 11	0 - 2	5 - 7	10 - 12	15 - 17	0 - 2	5 - 7	12.5 - 14.5	15 - 17
			Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0017 U	0.0019 U	0.002 UJV	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0021 U	0.0017 U	0.0022 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0017 U	0.0019 U	0.002 UJV	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0021 U	0.0017 U	0.0022 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
1,1-Dichloropropene	--	--	--	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.012 U	0.013 U	0.014 UJV	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U	0.015 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0047 U	0.0051 U	0.0054 UJV	0.0053 U	0.0048 U	0.0048 U	0.0048 U	0.0056 U	0.0046 U	0.006 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0047 U	0.0051 U	0.0054 UJV	0.0053 U	0.0048 U	0.0048 U	0.0048 U	0.0056 U	0.0046 U	0.006 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0041 U	0.0045 U	0.0047 UJV	0.0046 U	0.0042 U	0.0042 U	0.0042 U	0.0049 U	0.004 U	0.0052 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0047 U	0.0051 U	0.0054 UJV	0.0053 U	0.0048 U	0.0048 U	0.0048 U	0.0056 U	0.0046 U	0.006 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.047 URV	0.051 URV	0.054 URV	0.053 URV	0.048 URV	0.048 URV	0.048 URV	0.056 URV	0.046 URV	0.06 URV
2,2-Dichloropropane	--	--	--	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
2-Chlorotoluene	--	--	--	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
2-Hexanone	--	--	--	MG/KG	0.012 U	0.013 U	0.014 UJV	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U	0.015 U
4-Chlorotoluene	--	--	--	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
4-Ethyltoluene	--	--	--	MG/KG	0.0047 U	0.0051 U	0.0054 UJV	0.0053 U	0.0048 U	0.0048 U	0.0048 U	0.0056 U	0.0046 U	0.006 U
Acetone	**0.05**	100	0.05	MG/KG	0.011 J	0.024	0.02 J-V	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U	0.029	0.015 U
Acrylonitrile	--	--	--	MG/KG	0.012 U	0.013 U	0.014 UJV	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U	0.015 U

Table 1. Summary of Volatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3	MW-3
			Sample Date:		09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017
			Sample Depth (ft bls):		3 - 5	9 - 11	0 - 2	5 - 7	10 - 12	15 - 17	0 - 2	5 - 7	12.5 - 14.5	15 - 17
			Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
Benzene	0.06	4.8	0.06	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Bromobenzene	--	--	--	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
Bromochloromethane	--	--	--	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
Bromodichloromethane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Bromoform	--	--	--	MG/KG	0.0047 U	0.0051 U	0.0054 UJV	0.0053 U	0.0048 U	0.0048 U	0.0048 U	0.0056 U	0.0046 U	0.006 U
Bromomethane	--	--	--	MG/KG	0.0023 UJV	0.0026 UJV	0.0027 UJV	0.0026 U	0.0024 U	0.0024 U	0.0024 U	0.0028 U	0.0023 U	0.003 U
Carbon Disulfide	--	--	--	MG/KG	0.012 U	0.013 U	0.014 UJV	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U	0.015 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Chloroethane	--	--	--	MG/KG	0.0023 UJV	0.0026 UJV	0.0027 UJV	0.0026 U	0.0024 U	0.0024 U	0.0024 U	0.0028 U	0.0023 U	0.003 U
Chloroform	0.37	49	0.37	MG/KG	0.0017 U	0.0019 U	0.002 UJV	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0021 U	0.0017 U	0.0022 U
Chloromethane	--	--	--	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Cymene	--	--	--	MG/KG	0.0012 U	0.0056	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Dibromochloromethane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Dibromomethane	--	--	--	MG/KG	0.012 U	0.013 U	0.014 UJV	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U	0.015 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.012 U	0.013 U	0.014 UJV	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U	0.015 U
Dichloroethylenes	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
Ethylbenzene	1	41	1	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Hexachlorobutadiene	--	--	--	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
m,p-Xylene	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0027 UJV	0.0026 U	0.0024 U	0.0024 U	0.0024 U	0.0028 U	0.0023 U	0.003 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.012 U	0.013 U	0.0016 J-V	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U	0.0054 J	0.015 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.012 U	0.013 U	0.014 UJV	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U	0.015 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.012 U	0.013 U	0.014 UJV	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U	0.0019 J	0.015 U
Naphthalene	**12**	100	12	MG/KG	0.00093 J	0.0064 U	0.00032 J-V	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
N-Butylbenzene	12	100	12	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0027 UJV	0.0026 U	0.0024 U	0.0024 U	0.0024 U	0.0028 U	0.0023 U	0.003 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Styrene	--	--	--	MG/KG	0.0023 UJV	0.0026 UJV	0.0027 UJV	0.0026 U	0.0024 U	0.0024 U	0.0024 U	0.0028 U	0.0023 U	0.003 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0058 U	0.0064 U	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0023 U	0.0026 U	0.0027 UJV	0.0026 U	0.0024 U	0.0024 U	0.0024 U	0.0028 U	0.0023 U	0.003 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Toluene	0.7	100	0.7	MG/KG	0.0017 U	0.0019 U	0.002 UJV	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0021 U	0.0017 U	0.0022 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0017 U	0.0019 U	0.002 UJV	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0021 U	0.0017 U	0.0022 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0058 UJV	0.0064 UJV	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0012 U	0.0013 U	0.0014 UJV	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U	0.0012 U	0.0015 U
Trichlorofluoromethane	--	--	--	MG/KG	0.0058 UJV	0.0064 UJV	0.0068 UJV	0.0066 U	0.0059 U	0.006 U	0.006 U	0.0069 U	0.0058 U	0.0075 U
Vinyl Acetate	--	--	--	MG/KG	0.012 U	0.013 U	0.014 UJV	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U	0.015 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0023 UJV	0.0026 UJV	0.0027 UJV	0.0026 U	0.0024 U	0.0024 U	0.0024 U	0.0028 U	0.0023 U	0.003 U
Xylenes	0.26	100	1.6	MG/KG	0.0023 U	0.0026 U	0.0027 UJV	0.0026 U	0.0024 U	0.0024 U	0.0024 U	0.0028 U	0.0023 U	0.003 U

Table 1. Summary of Volatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		MW-3	MW-4	MW-4	MW-5	MW-5	MW-5	MW-5	SB-1	SB-1	SB-10	SB-10	SB-10	SB-10
			Sample Date:		09/20/2017	09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/27/2017	09/27/2017	09/18/2017	09/18/2017	09/18/2017	09/18/2017
			Sample Depth (ft bls):		5 - 7	2.5 - 4.5	8 - 10	0 - 2	5 - 7	10 - 12	15 - 17	2.5 - 4.5	10 - 12	0 - 2	5 - 7	12 - 14	18 - 20
			Normal or Field Duplicate:		FD	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit													
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0018 U	0.0025 U	0.0026 U	0.0018 U	0.0018 U	0.0016 U	0.0015 U	0.0021 U	0.0024 U	0.22 U	1.3 U	0.1 U	0.0016 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0018 U	0.0025 U	0.0026 U	0.0018 U	0.0018 U	0.0016 U	0.0015 U	0.0021 U	0.0024 U	0.22 U	1.3 U	0.1 U	0.0016 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
1,1-Dichloropropene	--	--	--	MG/KG	0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.012 U	0.016 U	0.017 U	0.012 U	0.012 U	0.011 U	0.01 U	0.014 U	0.016 U	1.5 U	8.8 U	0.66 U	0.011 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0048 U	0.0066 U	0.0068 U	0.0048 U	0.0047 U	0.0043 U	0.0041 U	0.0055 U	0.0065 U	0.59 U	3.5 U	0.26 U	0.0043 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.077 J	0.46 J	0.33 U	0.00021 J
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0048 U	0.0066 U	0.0068 U	0.0048 U	0.0047 U	0.0043 U	0.0041 U	0.0055 U	0.0065 U	0.59 U	3.5 U	0.26 U	0.0043 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0042 U	0.0057 U	0.006 U	0.0042 U	0.0041 U	0.0037 U	0.0036 U	0.0048 U	0.0057 U	0.52 U	3.1 U	0.23 U	0.0038 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.03 J	0.19 J	0.33 U	0.0054 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
1,3-Dichloropropane	--	--	--	MG/KG	0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0048 U	0.0066 U	0.0068 U	0.0048 U	0.0047 U	0.0043 U	0.0041 U	0.0055 U	0.0065 U	0.59 U	3.5 U	0.26 U	0.0043 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.048 URV	0.066 URV	0.068 URV	0.048 URV	0.047 URV	0.043 URV	0.041 URV	0.055 URV	0.065 URV	5.9 URV	35 URV	2.6 URV	0.043 URV
2,2-Dichloropropane	--	--	--	MG/KG	0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
2-Chlorotoluene	--	--	--	MG/KG	0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
2-Hexanone	--	--	--	MG/KG	0.012 U	0.016 U	0.017 U	0.012 U	0.012 U	0.011 U	0.01 U	0.014 U	0.016 U	1.5 U	8.8 U	0.66 U	0.011 U
4-Chlorotoluene	--	--	--	MG/KG	0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
4-Ethyltoluene	--	--	--	MG/KG	0.0048 U	0.0066 U	0.0068 U	0.0048 U	0.0047 U	0.0043 U	0.0041 U	0.0055 U	0.0065 U	0.045 J	0.3 J	0.26 U	0.0043 U
Acetone	**0.05**	100	0.05	MG/KG	0.012 U	0.016 U	**0.12**	0.014	0.012 U	0.0029 J	0.0061 J	0.0064 J	**0.064**	1.5 U	8.8 U	0.66 U	0.0038 J
Acrylonitrile	--	--	--	MG/KG	0.012 U	0.016 U	0.017 U	0.012 U	0.012 U	0.011 U	0.01 U	0.014 U	0.016 U	1.5 U	8.8 U	0.66 U	0.011 U

Table 1. Summary of Volatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:	MW-3	MW-4	MW-4	MW-5	MW-5	MW-5	MW-5	SB-1	SB-1	SB-10	SB-10	SB-10	SB-10
					Sample Date:	09/20/2017	09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/27/2017	09/27/2017	09/18/2017	09/18/2017	09/18/2017	09/18/2017
					Sample Depth (ft bls):	5 - 7	2.5 - 4.5	8 - 10	0 - 2	5 - 7	10 - 12	15 - 17	2.5 - 4.5	10 - 12	0 - 2	5 - 7	12 - 14	18 - 20
					Normal or Field Duplicate:	FD	N	N	N	N	N	N	N	N	N	N	N	N
Benzene	0.06	4.8	0.06	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.00032 J
Bromobenzene	--	--	--	MG/KG		0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
Bromochloromethane	--	--	--	MG/KG		0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
Bromodichloromethane	--	--	--	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 UJV	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 UJV
Bromoform	--	--	--	MG/KG		0.0048 U	0.0066 U	0.0068 U	0.0048 U	0.0047 U	0.0043 U	0.0041 U	0.0055 U	0.0065 U	0.59 U	3.5 U	0.26 U	0.0043 U
Bromomethane	--	--	--	MG/KG		0.0024 U	0.0033 UJV	0.0034 UJV	0.0024 U	0.0024 U	0.0021 U	0.0021 U	0.0028 UJV	0.0032 UJV	0.3 UJV	1.8 UJV	0.13 UJV	0.0022 U
Carbon Disulfide	--	--	--	MG/KG		0.012 U	0.016 U	0.017 U	0.012 U	0.012 U	0.011 U	0.01 U	0.014 U	0.016 U	1.5 U	8.8 U	0.66 U	0.011 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 UJV	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 UJV
Chlorobenzene	1.1	100	1.1	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
Chloroethane	--	--	--	MG/KG		0.0024 U	0.0033 UJV	0.0034 UJV	0.0024 U	0.0024 U	0.0021 U	0.0021 U	0.0028 UJV	0.0032 UJV	0.3 U	1.8 U	0.13 U	0.0022 U
Chloroform	0.37	49	0.37	MG/KG		0.0018 U	0.0025 U	0.0026 U	0.0018 U	0.0018 U	0.0016 U	0.0015 U	0.0021 U	0.0024 U	0.22 U	1.3 U	0.1 U	0.0016 U
Chloromethane	--	--	--	MG/KG		0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
Cymene	--	--	--	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
Dibromochloromethane	--	--	--	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
Dibromomethane	--	--	--	MG/KG		0.012 U	0.016 U	0.017 U	0.012 U	0.012 U	0.011 U	0.01 U	0.014 U	0.016 U	1.5 U	8.8 U	0.66 U	0.011 U
Dichlorodifluoromethane	--	--	--	MG/KG		0.012 U	0.016 U	0.017 U	0.012 U	0.012 U	0.011 U	0.01 U	0.014 U	0.016 U	1.5 U	8.8 U	0.66 U	0.011 U
Dichloroethylenes	--	--	--	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG		0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
Ethylbenzene	1	41	1	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
Hexachlorobutadiene	--	--	--	MG/KG		0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
m,p-Xylene	--	--	--	MG/KG		0.0024 U	0.0033 U	0.0034 U	0.0024 U	0.0024 U	0.0021 U	0.0021 U	0.0028 U	0.0032 U	0.3 U	1.8 U	0.13 U	0.0022 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG		0.012 U	0.016 U	0.024	0.00096 J	0.012 U	0.011 U	0.01 U	0.014 U	0.012 J	1.5 U	8.8 U	0.66 U	0.011 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG		0.012 U	0.016 U	0.017 U	0.012 U	0.012 U	0.011 U	0.01 U	0.014 U	0.016 U	1.5 U	8.8 U	0.66 U	0.011 U
Methylene Chloride	0.05	100	0.05	MG/KG		0.012 U	0.016 U	0.017 U	0.012 U	0.012 U	0.011 U	0.01 U	0.014 U	0.016 U	1.5 U	8.8 U	0.66 U	0.011 U
Naphthalene	**12**	100	12	MG/KG		0.006 U	0.00051 J	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.00015 J	0.00035 J	0.0081 U	23	120	0.45	0.033
N-Butylbenzene	12	100	12	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
N-Propylbenzene	3.9	100	3.9	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG		0.0024 U	0.0033 U	0.0034 U	0.0024 U	0.0024 U	0.0021 U	0.0021 U	0.0028 U	0.0032 U	0.3 U	1.8 U	0.13 U	0.0022 U
Sec-Butylbenzene	11	100	11	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
Styrene	--	--	--	MG/KG		0.0024 U	0.0033 UJV	0.0034 UJV	0.0024 U	0.0024 U	0.0021 U	0.0021 U	0.0028 UJV	0.0032 UJV	0.11 J	0.67 J	0.13 U	0.0022 U
T-Butylbenzene	5.9	100	5.9	MG/KG		0.006 U	0.0082 U	0.0085 U	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 U	0.0081 U	0.74 U	4.4 U	0.33 U	0.0054 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG		0.0024 U	0.0033 U	0.0034 U	0.0024 U	0.0024 U	0.0021 U	0.0021 U	0.0028 U	0.0032 U	0.3 U	1.8 U	0.13 U	0.0022 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0021	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
Toluene	0.7	100	0.7	MG/KG		0.0018 U	0.0025 U	0.0026 U	0.0018 U	0.0018 U	0.0016 U	0.0015 U	0.0021 U	0.0024 U	0.22 U	1.3 U	0.1 U	0.00028 J
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG		0.0018 U	0.0025 U	0.0026 U	0.0018 U	0.0018 U	0.0016 U	0.0015 U	0.0021 U	0.0024 U	0.22 U	1.3 U	0.1 U	0.0016 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG		0.006 U	0.0082 UJV	0.0085 UJV	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 UJV	0.0081 UJV	0.74 U	4.4 U	0.33 U	0.0054 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG		0.0012 U	0.0016 U	0.0017 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0014 U	0.0016 U	0.15 U	0.88 U	0.066 U	0.0011 U
Trichlorofluoromethane	--	--	--	MG/KG		0.006 U	0.0082 UJV	0.0085 UJV	0.0061 U	0.0059 U	0.0053 U	0.0052 U	0.0069 UJV	0.0081 UJV	0.74 UJV	4.4 UJV	0.33 UJV	0.0054 U
Vinyl Acetate	--	--	--	MG/KG		0.012 U	0.016 U	0.017 U	0.012 UJV	0.012 U	0.011 U	0.01 U	0.014 U	0.016 U	1.5 U	8.8 U	0.66 U	0.011 UJV
Vinyl Chloride	0.02	0.9	0.02	MG/KG		0.0024 U	0.0033 UJV	0.0034 UJV	0.0024 U	0.0024 U	0.0021 U	0.0021 U	0.0028 UJV	0.0032 UJV	0.3 U	1.8 U	0.13 U	0.0022 U
Xylenes	0.26	100	1.6	MG/KG		0.0024 U	0.0033 U	0.0034 U	0.0024 U	0.0024 U	0.0021 U	0.0021 U	0.0028 U	0.0032 U	0.3 U	1.8 U	0.13 U	0.0022 U

Table 1. Summary of Volatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	SB-11	SB-11	SB-11	SB-12	SB-12	SB-2	SB-2	SB-2	SB-2	SB-3	SB-3	SB-3	SB-3
Sample Date:					09/29/2017	09/29/2017	09/29/2017	09/29/2017	09/29/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017
Sample Depth (ft bls):					0 - 2	3 - 5	15 - 17	0 - 2	15 - 17	0 - 2	5 - 7	10 - 12	15 - 17	0 - 2	5 - 7	10 - 12	15 - 17
Normal or Field Duplicate:					N	N	N	N	N	N	N	N	N	N	N	N	N
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.002 U	0.31 U	0.0017 U	0.0018 U	0.0015 U	0.0021 U	0.0019 U	0.0016 U	0.0017 U	0.002 U	0.0019 U	0.0018 U	0.0015 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.002 U	0.31 U	0.0017 U	0.0018 U	0.0015 U	0.0021 U	0.0019 U	0.0016 U	0.0017 U	0.002 U	0.0019 U	0.0018 U	0.0015 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
1,1-Dichloropropene	--	--	--	MG/KG	0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 UJV	0.0065 U	0.0063 U	0.0058 U	0.0052 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.013 U	2.1 U	0.012 U	0.012 U	0.01 U	0.014 U	0.012 U	0.011 U	0.011 U	0.013 U	0.013 U	0.012 U	0.01 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0052 U	0.091 J	0.0046 U	0.0048 U	0.004 U	0.0056 U	0.005 U	0.0042 U	0.0046 UJV	0.0052 U	0.005 U	0.0047 U	0.0041 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0065 UJV	1 UJV	0.0058 UJV	0.006 UJV	0.005 UJV	0.007 U	0.0062 U	0.0053 U	0.0057 UJV	0.0065 U	0.0063 U	0.0058 U	0.0052 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0065 U	0.3 J	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0052 U	0.83 U	0.0046 U	0.0048 U	0.004 U	0.0056 U	0.005 U	0.0042 U	0.0046 U	0.0052 U	0.005 U	0.0047 U	0.0041 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0046 U	0.72 U	0.0041 U	0.0042 U	0.0035 U	0.0049 U	0.0043 U	0.0037 U	0.004 U	0.0046 U	0.0044 U	0.0041 U	0.0036 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0065 U	0.15 J	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 UJV	0.0065 U	0.0063 U	0.0058 U	0.0052 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0052 U	0.83 U	0.0046 U	0.0048 U	0.004 U	0.0056 U	0.005 U	0.0042 U	0.0046 UJV	0.0052 U	0.005 U	0.0047 U	0.0041 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.052 URV	8.3 URV	0.046 URV	0.048 URV	0.04 URV	0.056 URV	0.05 URV	0.042 URV	0.046 URV	0.052 URV	0.05 URV	0.047 URV	0.041 URV
2,2-Dichloropropane	--	--	--	MG/KG	0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
2-Chlorotoluene	--	--	--	MG/KG	0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
2-Hexanone	--	--	--	MG/KG	0.013 U	2.1 U	0.012 U	0.012 U	0.01 U	0.014 U	0.012 U	0.011 U	0.011 U	0.013 U	0.013 U	0.012 U	0.01 U
4-Chlorotoluene	--	--	--	MG/KG	0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
4-Ethyltoluene	--	--	--	MG/KG	0.0052 U	0.18 J	0.0046 U	0.0048 U	0.004 U	0.0056 U	0.005 U	0.0042 U	0.0046 U	0.0052 U	0.005 U	0.0047 U	0.0041 U
Acetone	**0.05**	100	0.05	MG/KG	0.013 U	2.1 U	0.012 U	0.012 U	0.0055 J	0.014 U	0.012 U	0.017	0.0068 J	0.012 J	0.013 U	0.012 U	0.0037 J
Acrylonitrile	--	--	--	MG/KG	0.013 U	2.1 U	0.012 U	0.012 U	0.01 U	0.014 U	0.012 U	0.011 U	0.011 U	0.013 U	0.013 U	0.012 U	0.01 U

Table 1. Summary of Volatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation:	SB-11	SB-11	SB-12	SB-12	SB-2	SB-2	SB-2	SB-2	SB-3	SB-3	SB-3	SB-3
					Sample Date:	09/29/2017	09/29/2017	09/29/2017	09/29/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017
					Sample Depth (ft bls):	0 - 2	3 - 5	15 - 17	0 - 2	15 - 17	0 - 2	5 - 7	10 - 12	15 - 17	0 - 2	5 - 7	10 - 12	15 - 17
					Normal or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N
Benzene	0.06	4.8	0.06	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
Bromobenzene	--	--	--	MG/KG		0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
Bromochloromethane	--	--	--	MG/KG		0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
Bromodichloromethane	--	--	--	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 UJV	0.0013 U	0.0012 U	0.001 U
Bromoform	--	--	--	MG/KG		0.0052 U	0.83 U	0.0046 U	0.0048 U	0.004 U	0.0056 U	0.005 U	0.0042 U	0.0046 U	0.0052 U	0.005 U	0.0047 U	0.0041 U
Bromomethane	--	--	--	MG/KG		0.0026 U	0.41 UV	0.0023 U	0.0024 U	0.002 U	0.0028 U	0.0025 U	0.0021 U	0.0023 U	0.0026 U	0.0025 U	0.0023 U	0.0021 U
Carbon Disulfide	--	--	--	MG/KG		0.013 U	2.1 U	0.012 U	0.012 U	0.01 U	0.014 U	0.012 U	0.011 U	0.011 U	0.013 U	0.013 U	0.012 U	0.01 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 UJV	0.0013 U	0.0012 U	0.001 U
Chlorobenzene	1.1	100	1.1	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
Chloroethane	--	--	--	MG/KG		0.0026 U	0.41 U	0.0023 U	0.0024 U	0.002 U	0.0028 U	0.0025 U	0.0021 U	0.0023 U	0.0026 U	0.0025 U	0.0023 U	0.0021 U
Chloroform	0.37	49	0.37	MG/KG		0.002 U	0.31 U	0.0017 U	0.0018 U	0.0015 U	0.0021 U	0.0019 U	0.0016 U	0.0017 U	0.002 U	0.0019 U	0.0018 U	0.0015 U
Chloromethane	--	--	--	MG/KG		0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
Cymene	--	--	--	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
Dibromochloromethane	--	--	--	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
Dibromomethane	--	--	--	MG/KG		0.013 U	2.1 U	0.012 U	0.012 U	0.01 U	0.014 U	0.012 U	0.011 U	0.011 U	0.013 U	0.013 U	0.012 U	0.01 U
Dichlorodifluoromethane	--	--	--	MG/KG		0.013 UJV	2.1 UJV	0.012 U	0.012 U	0.01 U	0.014 U	0.012 U	0.011 U	0.011 U	0.013 U	0.013 U	0.012 U	0.01 U
Dichloroethylenes	--	--	--	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG		0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
Ethylbenzene	1	41	1	MG/KG		0.0013 U	0.057 J	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
Hexachlorobutadiene	--	--	--	MG/KG		0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 UJV	0.0065 U	0.0063 U	0.0058 U	0.0052 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
m,p-Xylene	--	--	--	MG/KG		0.0026 U	0.12 J	0.0023 U	0.0024 U	0.002 U	0.0028 U	0.0025 U	0.0021 U	0.0023 U	0.0026 U	0.0025 U	0.0023 U	0.0021 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG		0.013 UJV	2.1 UJV	0.012 U	0.012 U	0.01 U	0.014 U	0.012 U	0.011 U	0.011 U	0.013 U	0.013 U	0.012 U	0.01 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG		0.013 U	2.1 U	0.012 U	0.012 U	0.01 U	0.014 U	0.012 U	0.011 U	0.011 U	0.013 U	0.013 U	0.012 U	0.01 U
Methylene Chloride	0.05	100	0.05	MG/KG		0.013 U	2.1 U	0.012 U	0.012 U	0.01 U	0.014 U	0.012 U	0.011 U	0.011 U	0.013 U	0.013 U	0.012 U	0.01 U
Naphthalene	**12**	100	12	MG/KG		0.0026 JV	140 JV	0.00078 J	0.006 U	0.00028 J	0.007 U	0.0062 U	0.0053 U	0.0057 UJV	0.0013 J	0.0006 J	0.004 J	0.00034 J
N-Butylbenzene	12	100	12	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 UJV	0.0013 U	0.0013 U	0.0012 U	0.001 U
N-Propylbenzene	3.9	100	3.9	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG		0.0026 U	0.41 U	0.0023 U	0.0024 U	0.002 U	0.0028 U	0.0025 U	0.0021 U	0.0023 U	0.0026 U	0.0025 U	0.0023 U	0.0021 U
Sec-Butylbenzene	11	100	11	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
Styrene	--	--	--	MG/KG		0.0026 U	0.41 U	0.0023 U	0.0024 U	0.002 U	0.0028 U	0.0025 U	0.0021 U	0.0023 U	0.0026 U	0.0025 U	0.0023 U	0.0021 U
T-Butylbenzene	5.9	100	5.9	MG/KG		0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG		0.0026 U	0.41 U	0.0023 U	0.0024 U	0.002 U	0.0028 U	0.0025 U	0.0021 U	0.00083 J	0.0026 U	0.0025 U	0.0023 U	0.0021 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
Toluene	0.7	100	0.7	MG/KG		0.002 U	0.054 J	0.0017 U	0.0018 U	0.0015 U	0.0021 U	0.0019 U	0.0016 U	0.0017 U	0.002 U	0.0019 U	0.0018 U	0.0015 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG		0.002 U	0.31 U	0.0017 U	0.0018 U	0.0015 U	0.0021 U	0.0019 U	0.0016 U	0.0017 U	0.002 U	0.0019 U	0.0018 U	0.0015 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG		0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG		0.0013 U	0.21 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.0011 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.001 U
Trichlorofluoromethane	--	--	--	MG/KG		0.0065 U	1 U	0.0058 U	0.006 U	0.005 U	0.007 U	0.0062 U	0.0053 U	0.0057 U	0.0065 U	0.0063 U	0.0058 U	0.0052 U
Vinyl Acetate	--	--	--	MG/KG		0.013 U	2.1 U	0.012 U	0.012 U	0.01 U	0.014 U	0.012 U	0.011 U	0.011 U	0.013 UJV	0.013 U	0.012 U	0.01 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG		0.0026 UJV	0.41 UJV	0.0023 U	0.0024 U	0.002 U	0.0028 U	0.0025 U	0.0021 U	0.0023 U	0.0026 U	0.0025 U	0.0023 U	0.0021 U
Xylenes	0.26	100	1.6	MG/KG		0.0026 U	0.12 J	0.0023 U	0.0024 U	0.002 U	0.0028 U	0.0025 U	0.0021 U	0.0023 U	0.0026 U	0.0025 U	0.0023 U	0.0021 U

Table 1. Summary of Volatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-4	SB-4	SB-5	SB-5	SB-6	SB-6	SB-6
			Sample Date:		09/27/2017	09/27/2017	09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017
			Sample Depth (ft bls):		2.5 - 4.5	8 - 10	2.5 - 4.5	9 - 11	0 - 2	5 - 7	11.5 - 13.5
			Normal or Field Duplicate:		N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit							
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0018 U	0.0017 U	0.0021 U	0.0015 U	0.0018 U	0.0022 U	0.0018 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0018 U	0.0017 U	0.0021 U	0.0015 U	0.0018 U	0.0022 U	0.0018 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,1-Dichloropropene	--	--	--	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.012 U	0.011 U	0.014 U	0.01 U	0.012 U	0.014 U	0.012 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0048 U	0.0045 U	0.0057 U	0.0041 U	0.0048 U	0.0058 U	0.0048 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0048 U	0.0045 U	0.0057 U	0.0041 U	0.0048 U	0.0058 U	0.0048 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0042 U	0.0039 U	0.005 U	0.0036 U	0.0042 U	0.005 U	0.0042 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
1,3-Dichloropropane	--	--	--	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0048 U	0.0045 U	0.0057 U	0.0041 U	0.0048 U	0.0058 U	0.0048 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.048 URV	0.045 URV	0.057 URV	0.041 URV	0.048 URV	0.058 URV	0.048 URV
2,2-Dichloropropane	--	--	--	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
2-Chlorotoluene	--	--	--	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
2-Hexanone	--	--	--	MG/KG	0.012 U	0.011 U	0.014 U	0.01 U	0.012 U	0.014 U	0.012 U
4-Chlorotoluene	--	--	--	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
4-Ethyltoluene	--	--	--	MG/KG	0.0048 U	0.0045 U	0.0057 U	0.0041 U	0.0048 U	0.0058 U	0.0048 U
Acetone	**0.05**	100	0.05	MG/KG	0.015	**0.06**	0.019	0.023	0.0099 J	0.014 U	0.012 U
Acrylonitrile	--	--	--	MG/KG	0.012 U	0.011 U	0.014 U	0.01 U	0.012 U	0.014 U	0.012 U

Table 1. Summary of Volatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6	SB-6
Sample Designation:					SB-4	SB-4	SB-5	SB-5	SB-6	SB-6	SB-6
Sample Date:					09/27/2017	09/27/2017	09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017
Sample Depth (ft bls):					2.5 - 4.5	8 - 10	2.5 - 4.5	9 - 11	0 - 2	5 - 7	11.5 - 13.5
Normal or Field Duplicate:					N	N	N	N	N	N	N
Benzene	0.06	4.8	0.06	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
Bromobenzene	--	--	--	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
Bromochloromethane	--	--	--	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
Bromodichloromethane	--	--	--	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 UJV	0.0014 U	0.0012 U
Bromoform	--	--	--	MG/KG	0.0048 U	0.0045 U	0.0057 U	0.0041 U	0.0048 U	0.0058 U	0.0048 U
Bromomethane	--	--	--	MG/KG	0.0024 UJV	0.0022 UJV	0.0028 UJV	0.002 UJV	0.0024 U	0.0029 U	0.0024 U
Carbon Disulfide	--	--	--	MG/KG	0.012 U	0.011 U	0.014 U	0.01 U	0.0018 J	0.014 U	0.012 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 UJV	0.0014 U	0.0012 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
Chloroethane	--	--	--	MG/KG	0.0024 UJV	0.0022 UJV	0.0028 UJV	0.002 UJV	0.0024 U	0.0029 U	0.0024 U
Chloroform	0.37	49	0.37	MG/KG	0.0018 U	0.0017 U	0.0021 U	0.0015 U	0.0018 U	0.0022 U	0.0018 U
Chloromethane	--	--	--	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
Cymene	--	--	--	MG/KG	0.0012 U	0.0011 U	0.033	0.001 U	0.0012 U	0.0014 U	0.0012 U
Dibromochloromethane	--	--	--	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
Dibromomethane	--	--	--	MG/KG	0.012 U	0.011 U	0.014 U	0.01 U	0.012 U	0.014 U	0.012 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.012 U	0.011 U	0.014 U	0.01 U	0.012 U	0.014 U	0.012 U
Dichloroethylenes	--	--	--	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
Ethylbenzene	1	41	1	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
Hexachlorobutadiene	--	--	--	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
m,p-Xylene	--	--	--	MG/KG	0.0024 U	0.0022 U	0.0028 U	0.002 U	0.0024 U	0.0029 U	0.0024 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.012 U	0.01 J	0.014 U	0.003 J	0.012 U	0.014 U	0.012 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.012 U	0.011 U	0.014 U	0.01 U	0.012 U	0.014 U	0.012 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.012 U	0.011 U	0.014 U	0.01 U	0.012 U	0.014 U	0.012 U
Naphthalene	**12**	100	12	MG/KG	0.0043 J	0.00022 J	0.0003 J	0.0051 U	0.00034 J	0.0072 U	0.006 U
N-Butylbenzene	12	100	12	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0024 U	0.0022 U	0.0028 U	0.002 U	0.0024 U	0.0029 U	0.0024 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
Styrene	--	--	--	MG/KG	0.0024 UJV	0.0022 UJV	0.0028 UJV	0.002 UJV	0.0024 U	0.0029 U	0.0024 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.006 U	0.0056 U	0.0071 U	0.0051 U	0.006 U	0.0072 U	0.006 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0024 U	0.0022 U	0.0028 U	0.002 U	0.0024 U	0.0029 U	0.0024 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
Toluene	0.7	100	0.7	MG/KG	0.0018 U	0.0017 U	0.0021 U	0.0015 U	0.0018 U	0.0022 U	0.0018 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0018 U	0.0017 U	0.0021 U	0.0015 U	0.0018 U	0.0022 U	0.0018 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.006 UJV	0.0056 UJV	0.0071 UJV	0.0051 UJV	0.006 U	0.0072 U	0.006 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0012 U	0.0011 U	0.0014 U	0.001 U	0.0012 U	0.0014 U	0.0012 U
Trichlorofluoromethane	--	--	--	MG/KG	0.006 UJV	0.0056 UJV	0.0071 UJV	0.0051 UJV	0.006 U	0.0072 U	0.006 U
Vinyl Acetate	--	--	--	MG/KG	0.012 U	0.011 U	0.014 U	0.01 U	0.012 UJV	0.014 U	0.012 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0024 UJV	0.0022 UJV	0.0028 UJV	0.002 UJV	0.0024 U	0.0029 U	0.0024 U
Xylenes	0.26	100	1.6	MG/KG	0.0024 U	0.0022 U	0.0028 U	0.002 U	0.0024 U	0.0029 U	0.0024 U

Table 1. Summary of Volatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-6	SB-7	SB-7	SB-8	SB-8	SB-8	SB-8	SB-9	SB-9	SB-9	SB-9
			Sample Date:		09/19/2017	09/27/2017	09/27/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017
			Sample Depth (ft bls):		15 - 17	2.5 - 4.5	10 - 12	0 - 2	5 - 7	10 - 12	15 - 17	0 - 2	8 - 10	10 - 12	15 - 17
			Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit											
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0011 U	0.0016 UJV	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0017 U	0.0023 U	0.0017 U	0.0019 U	0.0021 U	0.0019 U	0.0019 U	0.11 U	0.0016 U	0.0018 U	0.0019 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0017 U	0.0023 U	0.0017 U	0.0019 U	0.0021 U	0.0019 U	0.0019 U	0.11 U	0.0016 U	0.0018 U	0.0019 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
1,1-Dichloropropene	--	--	--	MG/KG	0.0057 U	0.0078 U	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0057 U	0.0078 UJV	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.011 U	0.016 UJV	0.011 U	0.013 U	0.014 U	0.012 U	0.013 U	0.74 U	0.011 U	0.012 U	0.013 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0045 U	0.0062 UJV	0.0046 U	0.0051 U	0.0055 U	0.005 U	0.0051 U	0.3 U	0.0042 U	0.0049 U	0.0051 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0057 U	0.0078 UJV	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0057 U	0.0078 UJV	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0057 U	0.0078 UJV	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0045 U	0.0062 U	0.0046 U	0.0051 U	0.0055 U	0.005 U	0.0051 U	0.3 U	0.0042 U	0.0049 U	0.0051 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0057 U	0.0078 UJV	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
1,2-Dichloropropane	--	--	--	MG/KG	0.004 U	0.0055 U	0.004 U	0.0045 U	0.0048 U	0.0044 U	0.0045 U	0.26 U	0.0037 U	0.0043 U	0.0045 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0057 U	0.0078 UJV	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0057 U	0.0078 UJV	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0057 U	0.0078 U	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0057 U	0.0078 UJV	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0045 U	0.0062 UJV	0.0046 U	0.0051 U	0.0055 U	0.005 U	0.0051 U	0.3 U	0.0042 U	0.0049 U	0.0051 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.045 URV	0.062 URV	0.046 URV	0.051 URV	0.055 URV	0.05 URV	0.051 URV	3 URV	0.042 URV	0.049 URV	0.051 URV
2,2-Dichloropropane	--	--	--	MG/KG	0.0057 U	0.0078 U	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
2-Chlorotoluene	--	--	--	MG/KG	0.0057 U	0.0078 UJV	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
2-Hexanone	--	--	--	MG/KG	0.011 U	0.016 U	0.011 U	0.013 U	0.014 U	0.012 U	0.013 U	0.74 U	0.011 U	0.012 U	0.013 U
4-Chlorotoluene	--	--	--	MG/KG	0.0057 U	0.0078 UJV	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
4-Ethyltoluene	--	--	--	MG/KG	0.0045 U	0.0062 UJV	0.0046 U	0.0051 U	0.0055 U	0.005 U	0.0051 U	0.3 U	0.0042 U	0.0049 U	0.0051 U
Acetone	**0.05**	100	0.05	MG/KG	0.011 U	0.012 J+V	**0.055**	0.013 U	0.014 U	0.021	0.018	0.74 U	0.003 J	0.013	0.003 J
Acrylonitrile	--	--	--	MG/KG	0.011 U	0.016 U	0.011 U	0.013 U	0.014 U	0.012 U	0.013 U	0.74 U	0.011 U	0.012 U	0.013 U

Table 1. Summary of Volatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

Sample Designation:					SB-6	SB-7	SB-7	SB-8	SB-8	SB-8	SB-8	SB-9	SB-9	SB-9	SB-9
Sample Date:					09/19/2017	09/27/2017	09/27/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017
Sample Depth (ft bls):					15 - 17	2.5 - 4.5	10 - 12	0 - 2	5 - 7	10 - 12	15 - 17	0 - 2	8 - 10	10 - 12	15 - 17
Normal or Field Duplicate:					N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit											
Benzene	0.06	4.8	0.06	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Bromobenzene	--	--	--	MG/KG	0.0057 U	0.0078 U	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
Bromochloromethane	--	--	--	MG/KG	0.0057 U	0.0078 U	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
Bromodichloromethane	--	--	--	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Bromoform	--	--	--	MG/KG	0.0045 U	0.0062 U	0.0046 U	0.0051 U	0.0055 U	0.005 U	0.0051 U	0.3 U	0.0042 U	0.0049 U	0.0051 U
Bromomethane	--	--	--	MG/KG	0.0023 U	0.0031 UJV	0.0023 UJV	0.0026 U	0.0028 U	0.0025 U	0.0026 U	0.15 UJV	0.0021 U	0.0024 U	0.0026 U
Carbon Disulfide	--	--	--	MG/KG	0.011 U	0.016 U	0.0014 J	0.013 U	0.014 U	0.012 U	0.013 U	0.74 U	0.011 U	0.012 U	0.013 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Chloroethane	--	--	--	MG/KG	0.0023 U	0.0031 UJV	0.0023 UJV	0.0026 U	0.0028 U	0.0025 U	0.0026 U	0.15 U	0.0021 U	0.0024 U	0.0026 U
Chloroform	0.37	49	0.37	MG/KG	0.0017 U	0.0023 U	0.0017 U	0.0019 U	0.0021 U	0.0019 U	0.0019 U	0.11 U	0.0016 U	0.0018 U	0.0019 U
Chloromethane	--	--	--	MG/KG	0.0057 U	0.0078 U	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Cymene	--	--	--	MG/KG	0.0011 U	0.0016 UJV	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Dibromochloromethane	--	--	--	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Dibromomethane	--	--	--	MG/KG	0.011 U	0.016 U	0.011 U	0.013 U	0.014 U	0.012 U	0.013 U	0.74 U	0.011 U	0.012 U	0.013 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.011 U	0.016 U	0.011 U	0.013 U	0.014 U	0.012 U	0.013 U	0.74 U	0.011 U	0.012 U	0.013 U
Dichloroethylenes	--	--	--	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0057 U	0.0078 U	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
Ethylbenzene	1	41	1	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Hexachlorobutadiene	--	--	--	MG/KG	0.0057 U	0.0078 U	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0011 U	0.0016 UJV	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
m,p-Xylene	--	--	--	MG/KG	0.0023 U	0.0031 U	0.0023 U	0.0026 U	0.0028 U	0.0025 U	0.0026 U	0.15 U	0.0021 U	0.0024 U	0.0026 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.011 U	0.016 U	0.01 J	0.013 U	0.014 U	0.012 U	0.013 U	0.74 U	0.011 U	0.012 U	0.013 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.011 U	0.016 U	0.011 U	0.013 U	0.014 U	0.012 U	0.013 U	0.74 U	0.011 U	0.012 U	0.013 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.011 U	0.016 U	0.011 U	0.013 U	0.014 U	0.012 U	0.013 U	0.74 U	0.011 U	0.012 U	0.013 U
Naphthalene	**12**	100	12	MG/KG	0.0057 U	0.0078 UJV	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	1.9	0.0053 U	0.0032 J	0.00031 J
N-Butylbenzene	12	100	12	MG/KG	0.0011 U	0.0016 UJV	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0011 U	0.0016 UJV	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0023 U	0.0031 U	0.0023 U	0.0026 U	0.0028 U	0.0025 U	0.0026 U	0.15 U	0.0021 U	0.0024 U	0.0026 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0011 U	0.0016 UJV	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Styrene	--	--	--	MG/KG	0.0023 U	0.0031 UJV	0.0023 UJV	0.0026 U	0.0028 U	0.0025 U	0.0026 U	0.15 U	0.0021 U	0.0024 U	0.0026 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0057 U	0.0078 UJV	0.0057 U	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0023 U	0.0031 U	0.0023 U	0.0026 U	0.0028 U	0.0025 U	0.0026 U	0.15 U	0.0021 U	0.0024 U	0.0026 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Toluene	0.7	100	0.7	MG/KG	0.0017 U	0.0023 U	0.0017 U	0.0019 U	0.0021 U	0.0019 U	0.0019 U	0.11 U	0.0016 U	0.00028 J	0.0019 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0017 U	0.0023 U	0.0017 U	0.0019 U	0.0021 U	0.0019 U	0.0019 U	0.11 U	0.0016 U	0.0018 U	0.0019 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0057 U	0.0078 UJV	0.0057 UJV	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 U	0.0053 U	0.0061 U	0.0064 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0011 U	0.0016 U	0.0011 U	0.0013 U	0.0014 U	0.0012 U	0.0013 U	0.074 U	0.0011 U	0.0012 U	0.0013 U
Trichlorofluoromethane	--	--	--	MG/KG	0.0057 U	0.0078 UJV	0.0057 UJV	0.0064 U	0.0069 U	0.0063 U	0.0064 U	0.37 UJV	0.0053 U	0.0061 U	0.0064 U
Vinyl Acetate	--	--	--	MG/KG	0.011 U	0.016 U	0.011 U	0.013 U	0.014 U	0.012 U	0.013 U	0.74 U	0.011 U	0.012 U	0.013 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0023 U	0.0031 UJV	0.0023 UJV	0.0026 U	0.0028 U	0.0025 U	0.0026 U	0.15 U	0.0021 U	0.0024 U	0.0026 U
Xylenes	0.26	100	1.6	MG/KG	0.0023 U	0.0031 U	0.0023 U	0.0026 U	0.0028 U	0.0025 U	0.0026 U	0.15 U	0.0021 U	0.0024 U	0.0026 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3	MW-3
				Sample Date:	09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017
				Sample Depth (ft bls):	3 - 5	9 - 11	0 - 2	5 - 7	10 - 12	15 - 17	0 - 2	5 - 7	12.5 - 14.5	15 - 17
				Normal or Field Duplicate:	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.18 U	0.2 U	0.19 URV	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.1 U	0.12 U	0.11 URV	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.13 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.16 U	0.18 U	0.17 URV	0.17 U	0.18 U	0.18 U	0.16 U	0.17 U	0.17 U	0.2 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.18 U	0.2 U	0.19 URV	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.84 U	0.96 U	0.92 URV	0.92 U	0.96 U	0.98 U	0.86 U	0.93 U	0.92 U	1 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
2-Chloronaphthalene	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
2-Chlorophenol	--	--	--	MG/KG	0.18 U	0.2 U	0.19 URV	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
2-Methylnaphthalene	--	--	--	MG/KG	0.14 J	0.24 U	0.23 U	0.23 U	0.24 U	0.25 U	0.038 J	0.23 U	0.23 U	0.26 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.18 U	0.2 U	0.19 URV	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
2-Nitroaniline	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
2-Nitrophenol	--	--	--	MG/KG	0.38 U	0.43 U	0.41 URV	0.42 U	0.43 U	0.44 U	0.39 U	0.42 U	0.42 U	0.47 U
3- And 4- Methylphenol (Total)	**0.33**	100	0.33	MG/KG	0.25 U	0.29 U	0.28 URV	0.28 U	0.29 U	0.3 U	0.26 U	0.28 U	0.28 U	0.32 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 UJV	0.2 UJV	0.18 U	0.19 U	0.19 U	0.22 U
3-Nitroaniline	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.46 U	0.52 U	0.5 URV	0.5 U	0.52 U	0.53 U	0.46 U	0.5 U	0.5 U	0.57 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.18 U	0.2 U	0.19 URV	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
4-Chloroaniline	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
4-Nitroaniline	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
4-Nitrophenol	--	--	--	MG/KG	0.24 U	0.28 U	0.27 URV	0.27 U	0.28 U	0.29 U	0.25 U	0.27 U	0.27 U	0.31 U
Acenaphthene	20	100	98	MG/KG	0.32	0.084 J	0.15 U	0.15 U	0.16 U	0.16 U	0.047 J	0.16 U	0.15 U	0.18 U
Acenaphthylene	100	100	107	MG/KG	0.097 J	0.16 U	0.15 U	0.15 U	0.16 U	0.16 U	0.23	0.16 U	0.15 U	0.18 U
Acetophenone	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
Anthracene	100	100	1000	MG/KG	0.54	0.15	0.11 U	0.12 U	0.12 U	0.12 U	0.24	0.12 U	0.12 U	0.13 U
Benzo(A)Anthracene	**1**	1	1	MG/KG	**1.3**	0.15	0.053 J	0.12 U	0.12 U	0.12 U	0.88	0.12 U	0.12 U	0.13 U
Benzo(A)Pyrene	**1**	1	22	MG/KG	**1.2**	0.1 J	0.15 U	0.15 U	0.16 U	0.16 U	0.89	0.16 U	0.15 U	0.18 U
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	**1.5**	0.12	0.052 J	0.12 U	0.12 U	0.12 U	**1.3**	0.12 U	0.12 U	0.13 U
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.68	0.038 J	0.027 J	0.15 U	0.16 U	0.16 U	0.63	0.16 U	0.15 U	0.18 U
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.42	0.058 J	0.11 U	0.12 U	0.12 U	0.12 U	0.3	0.12 U	0.12 U	0.13 U
Benzoic Acid	--	--	--	MG/KG	0.57 URV	0.65 URV	0.62 URV	0.62 U	0.65 UJV	0.66 UJV	0.58 U	0.63 U	0.62 U	0.71 U
Benzyl Alcohol	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3	MW-3
			Sample Date:		09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017
			Sample Depth (ft bls):		3 - 5	9 - 11	0 - 2	5 - 7	10 - 12	15 - 17	0 - 2	5 - 7	12.5 - 14.5	15 - 17
			Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.05 J	0.46 U	0.44 U	0.44 U	0.46 U	0.47 U	0.41 U	0.44 U	0.44 U	0.5 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.21 U	0.22 U	0.22 U	0.19 U	0.21 U	0.21 U	0.24 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.16 U	0.18 U	0.17 U	0.17 U	0.18 U	0.18 U	0.16 U	0.17 U	0.17 U	0.2 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.21 U	0.24 U	0.23 U	0.23 U	0.24 U	0.25 U	0.22 U	0.23 U	0.23 U	0.26 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.16 J	0.2 U	0.12 J	0.19 U	0.2 UV	0.2 UV	0.18 U	0.19 U	0.19 U	0.22 U
Carbazole	--	--	--	MG/KG	0.25 J-V	0.054 J-V	0.19 U	0.19 U	0.2 U	0.2 U	0.074 J	0.19 U	0.19 U	0.22 U
Chrysene	**1**	3.9	1	MG/KG	**1.3**	0.12	0.046 J	0.12 U	0.12 U	0.12 U	0.89	0.12 U	0.12 U	0.13 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.14	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12	0.12 U	0.12 U	0.13 U
Dibenzofuran	**7**	59	210	MG/KG	0.22	0.05 J	0.19 U	0.19 U	0.2 U	0.2 U	0.034 J	0.19 U	0.19 U	0.22 U
Diethyl Phthalate	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
Dimethyl Phthalate	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
Fluoranthene	100	100	1000	MG/KG	3	0.36	0.1 J	0.12 U	0.12 U	0.12 U	1.7	0.12 U	0.12 U	0.028 J
Fluorene	30	100	386	MG/KG	0.27	0.087 J	0.19 U	0.19 U	0.2 U	0.2 U	0.064 J	0.19 U	0.19 U	0.22 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.1 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.13 U
Hexachlorobutadiene	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.5 U	0.57 U	0.55 U	0.55 U	0.58 U	0.59 U	0.51 U	0.56 U	0.55 U	0.63 U
Hexachloroethane	--	--	--	MG/KG	0.14 U	0.16 U	0.15 U	0.15 U	0.16 U	0.16 U	0.14 U	0.16 U	0.15 U	0.18 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**0.72**	0.048 J	0.029 J	0.15 U	0.16 U	0.16 U	**0.67**	0.16 U	0.15 U	0.18 U
Isophorone	--	--	--	MG/KG	0.16 U	0.18 U	0.17 U	0.17 U	0.18 U	0.18 U	0.16 U	0.17 U	0.17 U	0.2 U
Naphthalene	**12**	100	12	MG/KG	0.34	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.077 J	0.19 U	0.19 U	0.22 U
Nitrobenzene	--	--	--	MG/KG	0.16 U	0.18 U	0.17 U	0.17 U	0.18 U	0.18 U	0.16 U	0.17 U	0.17 U	0.2 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.18 U	0.2 U	0.19 U	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.14 U	0.16 U	0.15 U	0.15 U	0.16 U	0.16 U	0.14 U	0.16 U	0.15 U	0.18 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.14 U	0.16 U	0.15 URV	0.15 U	0.16 U	0.16 U	0.14 U	0.16 U	0.15 U	0.18 U
Phenanthrene	**100**	100	1000	MG/KG	2.8	0.44	0.069 J	0.12 U	0.12 U	0.12 U	0.87	0.12 U	0.12 U	0.13 U
Phenol	0.33	100	0.33	MG/KG	0.18 U	0.2 U	0.19 URV	0.19 U	0.2 U	0.2 U	0.18 U	0.19 U	0.19 U	0.22 U
Pyrene	100	100	1000	MG/KG	2.6	0.28	0.092 J	0.12 U	0.12 U	0.12 U	1.8	0.12 U	0.12 U	0.028 J

Table 2. Summary of Semivolatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	MW-3	MW-4	MW-4	MW-5	MW-5	MW-5	MW-5	SB-1	SB-1	SB-10
				Sample Date:	09/20/2017	09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/27/2017	09/27/2017	09/18/2017
				Sample Depth (ft bls):	5 - 7	2.5 - 4.5	8 - 10	0 - 2	5 - 7	10 - 12	15 - 17	2.5 - 4.5	10 - 12	0 - 2
				Normal or Field Duplicate:	FD	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 URV	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.12 U	0.099 U	0.13 U	0.11 URV	0.12 U	0.12 U	0.12 U	0.11 U	0.13 U	1.1 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.18 U	0.15 U	0.19 U	0.17 URV	0.18 U	0.18 U	0.17 U	0.16 U	0.2 U	1.6 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 URV	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.95 U	0.8 U	1 U	0.89 URV	0.94 U	0.93 U	0.93 U	0.87 U	1.1 U	8.6 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
2-Chloronaphthalene	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
2-Chlorophenol	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 URV	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
2-Methylnaphthalene	--	--	--	MG/KG	0.24 U	0.046 J	0.11 J	0.22 U	0.24 U	0.23 U	0.23 U	0.086 J	0.034 J	8.4
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.2 U	0.16 U	0.22 U	0.18 URV	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
2-Nitroaniline	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
2-Nitrophenol	--	--	--	MG/KG	0.42 U	0.36 U	0.46 U	0.4 URV	0.42 U	0.42 U	0.42 U	0.39 U	0.48 U	3.9 U
3- And 4- Methylphenol (Total)	**0.33**	100	0.33	MG/KG	0.28 U	0.24 U	0.31 U	0.26 URV	0.28 U	0.28 U	0.28 U	0.26 U	**0.41**	**0.48 J**
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 UJV	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
3-Nitroaniline	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.51 U	0.43 U	0.56 U	0.48 URV	0.51 U	0.5 U	0.5 U	0.47 U	0.58 U	4.6 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 URV	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
4-Chloroaniline	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
4-Nitroaniline	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
4-Nitrophenol	--	--	--	MG/KG	0.28 U	0.23 U	0.3 U	0.26 URV	0.28 U	0.27 U	0.27 U	0.25 U	0.31 U	2.5 U
Acenaphthene	20	100	98	MG/KG	0.16 U	0.14	0.75	0.15 U	0.16 U	0.16 U	0.15 U	0.22	0.097 J	9.6
Acenaphthylene	100	100	107	MG/KG	0.16 U	0.21	0.17 U	0.15 U	0.16 U	0.16 U	0.15 U	0.25	0.071 J	4.4
Acetophenone	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
Anthracene	100	100	1000	MG/KG	0.12 U	0.44	1.8	0.11 U	0.12 U	0.12 U	0.12 U	0.5	0.44	26
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.12 U	**1.1**	**2.4**	0.039 J	0.12 U	0.12 U	0.12 U	**1.6**	**1.9**	**31**
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.16 U	**1.1**	**2**	0.15 U	0.16 U	0.16 U	0.15 U	**1.6**	**2.2**	**28**
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.12 U	**1.4**	**2.5**	0.042 J	0.12 U	0.12 U	0.12 U	**2.3**	**2.5**	**35**
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.16 U	0.62	0.8	0.15 U	0.16 U	0.16 U	0.15 U	1	1	15
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.12 U	0.34	0.67	0.11 U	0.12 U	0.12 U	0.12 U	0.48	0.66	**11**
Benzoic Acid	--	--	--	MG/KG	0.64 U	0.54 URV	0.7 URV	0.6 URV	0.64 UJV	0.63 U	0.63 U	0.58 URV	0.72 URV	5.8 URV
Benzyl Alcohol	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	MW-3	MW-4	MW-4	MW-5	MW-5	MW-5	MW-5	SB-1	SB-1	SB-10
				Sample Date:	09/20/2017	09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/27/2017	09/27/2017	09/18/2017
				Sample Depth (ft bls):	5 - 7	2.5 - 4.5	8 - 10	0 - 2	5 - 7	10 - 12	15 - 17	2.5 - 4.5	10 - 12	0 - 2
				Normal or Field Duplicate:	FD	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.45 U	0.38 U	0.49 U	0.42 U	0.45 U	0.44 U	0.44 U	0.41 U	0.51 U	2.3 J
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.21 U	0.18 U	0.23 U	0.2 U	0.21 U	0.21 U	0.21 U	0.2 U	0.24 U	1.9 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.18 U	0.15 U	0.19 U	0.17 U	0.18 U	0.18 U	0.17 U	0.16 U	0.2 U	1.6 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.24 U	0.2 U	0.26 U	0.22 U	0.24 U	0.23 U	0.23 U	0.22 U	0.27 U	2.1 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.4	0.2 UV	0.19 UV	0.19 U	0.096 J	0.22 U	1.8 U
Carbazole	--	--	--	MG/KG	0.2 U	0.14 J-V	0.4 J-V	0.18 U	0.2 U	0.19 U	0.19 U	0.21 J-V	0.18 J-V	10
Chrysene	**1**	3.9	1	MG/KG	0.12 U	0.98	**2**	0.034 J	0.12 U	0.12 U	0.12 U	**1.6**	**1.6**	**29**
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.12 U	0.13	0.22	0.11 U	0.12 U	0.12 U	0.12 U	0.2	0.28	**3.4**
Dibenzofuran	**7**	59	210	MG/KG	0.2 U	0.08 J	0.32	0.18 U	0.2 U	0.19 U	0.19 U	0.13 J	0.068 J	**11**
Diethyl Phthalate	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
Dimethyl Phthalate	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.039 J	0.22 U	1.8 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
Fluoranthene	100	100	1000	MG/KG	0.12 U	2.4	5	0.075 J	0.12 U	0.12 U	0.12 U	3.2	2.1	82
Fluorene	30	100	386	MG/KG	0.2 U	0.14 J	0.74	0.18 U	0.2 U	0.19 U	0.19 U	0.19	0.13 J	15
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.12 U	0.099 U	0.13 U	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.13 U	1.1 U
Hexachlorobutadiene	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.56 U	0.47 U	0.62 U	0.53 U	0.56 U	0.56 U	0.55 U	0.52 U	0.64 U	5.1 U
Hexachloroethane	--	--	--	MG/KG	0.16 U	0.13 U	0.17 U	0.15 U	0.16 U	0.16 U	0.15 U	0.14 U	0.18 U	1.4 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	0.16 U	**0.66**	**1**	0.15 U	0.16 U	0.16 U	0.15 U	**1.1**	**1.3**	**17**
Isophorone	--	--	--	MG/KG	0.18 U	0.15 U	0.19 U	0.17 U	0.18 U	0.18 U	0.17 U	0.16 U	0.2 U	1.6 U
Naphthalene	**12**	100	12	MG/KG	0.2 U	0.091 J	0.12 J	0.18 U	0.2 U	0.19 U	0.19 U	0.15 J	0.098 J	**23**
Nitrobenzene	--	--	--	MG/KG	0.18 U	0.15 U	0.19 U	0.17 U	0.18 U	0.18 U	0.17 U	0.16 U	0.2 U	1.6 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.2 U	0.16 U	0.22 U	0.18 U	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.16 U	0.13 U	0.17 U	0.15 U	0.16 U	0.16 U	0.15 U	0.14 U	0.18 U	1.4 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.16 U	0.13 U	0.17 U	0.15 URV	0.16 U	0.16 U	0.15 U	0.14 U	0.18 U	1.4 U
Phenanthrene	**100**	100	1000	MG/KG	0.12 U	1.7	5	0.05 J	0.12 U	0.12 U	0.12 U	2.2	1.2	93
Phenol	0.33	100	0.33	MG/KG	0.2 U	0.16 U	0.22 U	0.18 URV	0.2 U	0.19 U	0.19 U	0.18 U	0.22 U	1.8 U
Pyrene	100	100	1000	MG/KG	0.12 U	2.2	4	0.069 J	0.12 U	0.12 U	0.12 U	3	1.8	60

Table 2. Summary of Semivolatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	SB-10	SB-10	SB-10	SB-11	SB-11	SB-11
				Sample Date:	09/18/2017	09/18/2017	09/18/2017	09/29/2017	09/29/2017	09/29/2017
				Sample Depth (ft bls):	5 - 7	12 - 14	18 - 20	0 - 2	3 - 5	15 - 17
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.12 U	0.12 U	0.11 U	0.21 U	0.46 U	0.12 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.18 U	0.18 U	0.17 U	0.32 U	0.69 U	0.18 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.075 J	0.2 U	0.19 U	0.36 U	0.38 J	0.2 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.94 U	0.96 U	0.91 U	1.7 U	3.7 U	0.97 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
2-Chloronaphthalene	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
2-Chlorophenol	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
2-Methylnaphthalene	--	--	--	MG/KG	2.5	0.038 J	0.23 U	0.74	10	0.24 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.075 J	0.2 U	0.19 U	0.36 U	0.32 J	0.2 U
2-Nitroaniline	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
2-Nitrophenol	--	--	--	MG/KG	0.42 U	0.43 U	0.41 U	0.77 U	1.6 U	0.44 U
3- And 4- Methylphenol (Total)	**0.33**	100	0.33	MG/KG	0.2 J	0.29 U	0.27 U	0.081 J	**0.87 J**	0.29 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
3-Nitroaniline	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.51 U	0.52 U	0.49 U	0.93 U	2 U	0.53 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
4-Chloroaniline	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
4-Nitroaniline	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
4-Nitrophenol	--	--	--	MG/KG	0.27 U	0.28 U	0.26 U	0.5 U	1.1 U	0.28 U
Acenaphthene	20	100	98	MG/KG	2.4	0.048 J	0.15 U	2.6	17	0.16 U
Acenaphthylene	100	100	107	MG/KG	0.64	0.16 U	0.15 U	1.2	3.5	0.16 U
Acetophenone	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
Anthracene	100	100	1000	MG/KG	6.3	0.11 J	0.11 U	6.2	29	0.12 U
Benzo(A)Anthracene	**1**	1	1	MG/KG	**6.2**	0.14	0.11 U	**17**	**42**	0.12 U
Benzo(A)Pyrene	**1**	1	22	MG/KG	**5.4**	0.12 J	0.15 U	**13**	**30**	0.16 U
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	**6.5**	0.14	0.11 U	**22**	**49**	0.12 U
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	2.6	0.067 J	0.15 U	7.9	17	0.16 U
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	**1.9**	0.05 J	0.11 U	**4.1**	**10**	0.12 U
Benzoic Acid	--	--	--	MG/KG	0.63 URV	0.64 URV	0.61 URV	1.2 URV	2.5 URV	0.66 URV
Benzyl Alcohol	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:	SB-10	SB-10	SB-10	SB-11	SB-11	SB-11
			Sample Date:	09/18/2017	09/18/2017	09/18/2017	09/29/2017	09/29/2017	09/29/2017
			Sample Depth (ft bls):	5 - 7	12 - 14	18 - 20	0 - 2	3 - 5	15 - 17
			Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.66	0.45 U	0.43 U	0.3 J	3	0.46 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.21 U	0.22 U	0.2 U	0.39 U	0.83 U	0.22 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.18 U	0.18 U	0.17 U	0.32 U	0.69 U	0.18 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.24 U	0.24 U	0.23 U	0.43 U	0.92 U	0.24 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
Carbazole	--	--	--	MG/KG	2.5	0.05 J	0.19 U	2.2	13	0.2 U
Chrysene	**1**	3.9	1	MG/KG	**5.3**	0.13	0.11 U	**14**	**36**	0.12 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	**0.64**	0.12 U	0.11 U	**1.7**	**4**	0.12 U
Dibenzofuran	**7**	59	210	MG/KG	3.2	0.056 J	0.19 U	2	**15**	0.2 U
Diethyl Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
Dimethyl Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
Fluoranthene	100	100	1000	MG/KG	16	0.36	0.032 J	37	100	0.023 J
Fluorene	30	100	386	MG/KG	4.2	0.075 J	0.19 U	2.9	22	0.2 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.12 U	0.12 U	0.11 U	0.21 U	0.46 U	0.12 U
Hexachlorobutadiene	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.56 U	0.57 U	0.54 U	1 U	2.2 U	0.58 U
Hexachloroethane	--	--	--	MG/KG	0.16 U	0.16 U	0.15 U	0.29 U	0.61 U	0.16 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**2.9**	0.073 J	0.15 U	**8.6**	**19**	0.16 U
Isophorone	--	--	--	MG/KG	0.18 U	0.18 U	0.17 U	0.32 U	0.69 U	0.18 U
Naphthalene	**12**	100	12	MG/KG	6.8	0.11 J	0.19 U	0.95	**24**	0.2 U
Nitrobenzene	--	--	--	MG/KG	0.18 U	0.18 U	0.17 U	0.32 U	0.69 U	0.18 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.36 U	0.77 U	0.2 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.16 U	0.16 U	0.15 U	0.29 U	0.61 U	0.16 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.16 UJV	0.16 UJV	0.15 UJV	0.29 U	0.61 U	0.16 U
Phenanthrene	**100**	100	1000	MG/KG	21	0.43	0.043 J	29	**120**	0.12 U
Phenol	0.33	100	0.33	MG/KG	0.13 J	0.2 U	0.19 U	0.36 U	0.32 J	0.2 U
Pyrene	100	100	1000	MG/KG	12	0.3	0.027 J	34	88	0.02 J

Table 2. Summary of Semivolatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	SB-12	SB-12	SB-2	SB-2	SB-2	SB-2	SB-3	SB-3	SB-3	SB-3
				Sample Date:	09/29/2017	09/29/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017
				Sample Depth (ft bls):	0 - 2	15 - 17	0 - 2	5 - 7	10 - 12	15 - 17	0 - 2	5 - 7	10 - 12	15 - 17
				Normal or Field Duplicate:	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U	0.12 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.18 U	0.18 U	0.16 U	0.17 U	0.17 U	0.18 U	0.16 U	0.16 U	0.18 U	0.18 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.94 U	0.96 U	0.85 U	0.89 U	0.9 U	0.96 U	0.85 U	0.88 U	0.96 U	0.96 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
2-Chloronaphthalene	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
2-Chlorophenol	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
2-Methylnaphthalene	--	--	--	MG/KG	0.23 U	0.24 U	0.058 J	0.22 U	0.23 U	0.24 U	0.12 J	0.22 U	0.24 U	0.24 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
2-Nitroaniline	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
2-Nitrophenol	--	--	--	MG/KG	0.42 U	0.43 U	0.38 U	0.4 U	0.41 U	0.43 U	0.38 U	0.4 U	0.43 U	0.43 U
3- And 4- Methylphenol (Total)	**0.33**	100	0.33	MG/KG	0.28 U	0.29 U	0.26 U	0.27 U	0.27 U	0.29 U	0.26 U	0.26 U	0.29 U	0.29 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 UJV	0.2 UJV	0.2 UJV
3-Nitroaniline	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.51 U	0.52 U	0.46 U	0.48 U	0.49 U	0.52 U	0.46 U	0.48 U	0.52 U	0.52 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
4-Chloroaniline	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
4-Nitroaniline	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
4-Nitrophenol	--	--	--	MG/KG	0.27 U	0.28 U	0.25 U	0.26 U	0.26 U	0.28 U	0.25 U	0.26 U	0.28 U	0.28 U
Acenaphthene	20	100	98	MG/KG	0.16 U	0.16 U	0.079 J	0.15 U	0.15 U	0.16 U	0.21	0.15 U	0.16 U	0.16 U
Acenaphthylene	100	100	107	MG/KG	0.16 U	0.16 U	0.22	0.15 U	0.15 U	0.16 U	0.25	0.15 U	0.16 U	0.16 U
Acetophenone	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
Anthracene	100	100	1000	MG/KG	0.12 U	0.12 U	0.23	0.11 U	0.11 U	0.12 U	0.5	0.11 U	0.12 U	0.12 U
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.12 U	0.12 U	0.64	0.079 J	0.11 U	0.12 U	**1.1**	0.11 U	0.12 U	0.12 U
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.16 U	0.16 U	0.61	0.064 J	0.15 U	0.16 U	0.83	0.15 U	0.16 U	0.16 U
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.12 U	0.12 U	0.86	0.077 J	0.11 U	0.12 U	**1.3**	0.11 U	0.12 U	0.12 U
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.16 U	0.16 U	0.42	0.035 J	0.15 U	0.16 U	0.57	0.15 U	0.16 U	0.16 U
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.12 U	0.12 U	0.19	0.11 U	0.11 U	0.12 U	0.38	0.11 U	0.12 U	0.12 U
Benzoic Acid	--	--	--	MG/KG	0.63 URV	0.64 URV	0.57 U	0.6 U	0.61 U	0.65 URV	0.58 URV	0.6 UJV	0.65 UJV	0.65 UJV
Benzyl Alcohol	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	SB-12	SB-12	SB-2	SB-2	SB-2	SB-2	SB-3	SB-3	SB-3	SB-3
				Sample Date:	09/29/2017	09/29/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017
				Sample Depth (ft bls):	0 - 2	15 - 17	0 - 2	5 - 7	10 - 12	15 - 17	0 - 2	5 - 7	10 - 12	15 - 17
				Normal or Field Duplicate:	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.45 U	0.45 U	0.4 U	0.42 U	0.43 U	0.46 U	0.4 U	0.42 U	0.46 U	0.45 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.21 U	0.21 U	0.19 U	0.2 U	0.2 U	0.22 U	0.19 U	0.2 U	0.22 U	0.22 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.18 U	0.18 U	0.16 U	0.17 U	0.17 U	0.18 U	0.16 U	0.16 U	0.18 U	0.18 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.23 U	0.24 U	0.21 U	0.22 U	0.23 U	0.24 U	0.21 U	0.22 U	0.24 U	0.24 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.21 UV	0.2 UV	0.2 UV
Carbazole	--	--	--	MG/KG	0.2 U	0.2 U	0.069 J	0.18 U	0.19 U	0.2 U	0.18	0.18 U	0.2 U	0.2 U
Chrysene	**1**	3.9	1	MG/KG	0.12 U	0.12 U	0.63	0.07 J	0.11 U	0.12 U	**1.1**	0.11 U	0.12 U	0.12 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.12 U	0.12 U	0.086 J	0.11 U	0.11 U	0.12 U	0.13	0.11 U	0.12 U	0.12 U
Dibenzofuran	**7**	59	210	MG/KG	0.2 U	0.2 U	0.056 J	0.18 U	0.19 U	0.2 U	0.19	0.18 U	0.2 U	0.2 U
Diethyl Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
Dimethyl Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
Fluoranthene	100	100	1000	MG/KG	0.12 U	0.12 U	1.2	0.081 J	0.11 U	0.12 U	2.1	0.11 U	0.12 U	0.12 U
Fluorene	30	100	386	MG/KG	0.2 U	0.2 U	0.081 J	0.18 U	0.19 U	0.2 U	0.22	0.18 U	0.2 U	0.2 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U	0.12 U
Hexachlorobutadiene	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.56 U	0.57 U	0.51 U	0.53 U	0.54 U	0.57 U	0.51 U	0.53 U	0.58 U	0.57 U
Hexachloroethane	--	--	--	MG/KG	0.16 U	0.16 U	0.14 U	0.15 U	0.15 U	0.16 U	0.14 U	0.15 U	0.16 U	0.16 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	0.16 U	0.16 U	0.45	0.04 J	0.15 U	0.16 U	**0.61**	0.15 U	0.16 U	0.16 U
Isophorone	--	--	--	MG/KG	0.18 U	0.18 U	0.16 U	0.17 U	0.17 U	0.18 U	0.16 U	0.16 U	0.18 U	0.18 U
Naphthalene	**12**	100	12	MG/KG	0.2 U	0.2 U	0.14 J	0.18 U	0.19 U	0.2 U	0.21	0.18 U	0.2 U	0.2 U
Nitrobenzene	--	--	--	MG/KG	0.18 U	0.18 U	0.16 U	0.17 U	0.17 U	0.18 U	0.16 U	0.16 U	0.18 U	0.18 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.16 U	0.16 U	0.14 U	0.15 U	0.15 U	0.16 U	0.14 U	0.15 U	0.16 U	0.16 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.16 U	0.16 U	0.14 U	0.15 U	0.15 U	0.16 U	0.14 UJV	0.15 U	0.16 U	0.16 U
Phenanthrene	**100**	100	1000	MG/KG	0.12 U	0.12 U	0.87	0.051 J	0.11 U	0.12 U	2	0.11 U	0.12 U	0.12 U
Phenol	0.33	100	0.33	MG/KG	0.2 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U
Pyrene	100	100	1000	MG/KG	0.12 U	0.12 U	1.3	0.088 J	0.11 U	0.12 U	1.9	0.018 J	0.12 U	0.12 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

Sample Designation:					SB-4	SB-4	SB-5	SB-5	SB-6	SB-6	SB-6	SB-6
Sample Date:					09/27/2017	09/27/2017	09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017
Sample Depth (ft bls):					2.5 - 4.5	8 - 10	2.5 - 4.5	9 - 11	0 - 2	5 - 7	11.5 - 13.5	15 - 17
Normal or Field Duplicate:					N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.1 U	1.2 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U	0.12 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.16 U	1.7 U	0.17 U	0.17 U	0.16 U	0.17 U	0.17 U	0.18 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.83 U	9.3 U	0.89 U	0.93 U	0.86 U	0.91 U	0.93 U	0.94 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
2-Chloronaphthalene	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
2-Chlorophenol	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
2-Methylnaphthalene	--	--	--	MG/KG	0.19 J	1.2 J	0.069 J	0.23 U	0.21 U	0.23 U	0.23 U	0.24 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
2-Nitroaniline	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
2-Nitrophenol	--	--	--	MG/KG	0.37 U	4.2 U	0.4 U	0.42 U	0.38 U	0.41 U	0.42 U	0.42 U
3- And 4- Methylphenol (Total)	**0.33**	100	0.33	MG/KG	0.055 J	2.8 U	0.27 U	0.28 U	0.26 U	0.27 U	0.28 U	0.28 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 UJV	0.19 UJV	0.2 UJV
3-Nitroaniline	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.45 U	5 U	0.48 U	0.5 U	0.46 U	0.5 U	0.5 U	0.51 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
4-Chloroaniline	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
4-Nitroaniline	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
4-Nitrophenol	--	--	--	MG/KG	0.24 U	2.7 U	0.26 U	0.27 U	0.25 U	0.27 U	0.27 U	0.28 U
Acenaphthene	20	100	98	MG/KG	0.33	1.7	0.1 J	0.15 U	0.026 J	0.15 U	0.16 U	0.16 U
Acenaphthylene	100	100	107	MG/KG	0.16	1.2 J	0.14 J	0.15 U	0.14 U	0.15 U	0.16 U	0.16 U
Acetophenone	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
Anthracene	100	100	1000	MG/KG	0.54	15	0.33	0.12 U	0.06 J	0.11 U	0.12 U	0.12 U
Benzo(A)Anthracene	**1**	1	1	MG/KG	**1.3**	**42**	**1.2**	0.12 U	0.14	0.11 U	0.12 U	0.12 U
Benzo(A)Pyrene	**1**	1	22	MG/KG	**1.2**	**54**	**1.3**	0.15 U	0.12 J	0.15 U	0.16 U	0.16 U
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	**1.5**	**57**	**1.6**	0.12 U	0.16	0.11 U	0.12 U	0.12 U
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.7	28	0.82	0.15 U	0.081 J	0.15 U	0.16 U	0.16 U
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.46	**17**	0.54	0.12 U	0.052 J	0.11 U	0.12 U	0.12 U
Benzoic Acid	--	--	--	MG/KG	0.56 URV	6.3 URV	0.6 URV	0.63 URV	0.58 URV	0.62 UJV	0.63 UJV	0.64 UJV
Benzyl Alcohol	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	3.7	0.19 U	0.19 U	0.2 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-4	SB-4	SB-5	SB-5	SB-6	SB-6	SB-6	SB-6
			Sample Date:		09/27/2017	09/27/2017	09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017
			Sample Depth (ft bls):		2.5 - 4.5	8 - 10	2.5 - 4.5	9 - 11	0 - 2	5 - 7	11.5 - 13.5	15 - 17
			Normal or Field Duplicate:		N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.059 J	4.4 U	0.42 U	0.44 U	0.41 U	0.43 U	0.44 U	0.45 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.19 U	2.1 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U	0.21 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.16 U	1.7 U	0.17 U	0.17 U	0.16 U	0.17 U	0.17 U	0.18 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.21 U	2.3 U	0.22 U	0.23 U	0.21 U	0.23 U	0.23 U	0.24 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.11 J	1.9 U	0.08 J	0.19 U	1.5	0.19 UV	0.19 UV	0.2 UV
Carbazole	--	--	--	MG/KG	0.32 J-V	4.5 J-V	0.13 J-V	0.19 UJV	0.028 J	0.19 U	0.19 U	0.2 U
Chrysene	**1**	3.9	1	MG/KG	**1.2**	**35**	**1.2**	0.12 U	0.13	0.11 U	0.12 U	0.12 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.14	**8.3**	0.17	0.12 U	0.11 U	0.11 U	0.12 U	0.12 U
Dibenzofuran	**7**	59	210	MG/KG	0.27	3.2	0.064 J	0.19 U	0.021 J	0.19 U	0.19 U	0.2 U
Diethyl Phthalate	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
Dimethyl Phthalate	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.17 U	1.9 U	0.099 J	0.19 U	0.74	0.19 U	0.19 U	0.2 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
Fluoranthene	100	100	1000	MG/KG	3	46	2.3	0.12 U	0.3	0.11 U	0.12 U	0.12 U
Fluorene	30	100	386	MG/KG	0.28	5.6	0.1 J	0.19 U	0.032 J	0.19 U	0.19 U	0.2 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.1 U	1.2 U	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U	0.12 U
Hexachlorobutadiene	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.5 U	5.5 U	0.53 U	0.55 U	0.51 U	0.54 U	0.56 U	0.56 U
Hexachloroethane	--	--	--	MG/KG	0.14 U	1.5 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.16 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**0.75**	**36**	**0.9**	0.15 U	0.081 J	0.15 U	0.16 U	0.16 U
Isophorone	--	--	--	MG/KG	0.16 U	1.7 U	0.17 U	0.17 U	0.16 U	0.17 U	0.17 U	0.18 U
Naphthalene	**12**	100	12	MG/KG	0.47	1.7 J	0.083 J	0.19 U	0.051 J	0.19 U	0.19 U	0.2 U
Nitrobenzene	--	--	--	MG/KG	0.16 U	1.7 U	0.17 U	0.17 U	0.16 U	0.17 U	0.17 U	0.18 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.14 U	1.5 U	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.16 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.14 U	1.5 U	0.15 U	0.15 U	0.14 UJV	0.15 U	0.16 U	0.16 U
Phenanthrene	**100**	100	1000	MG/KG	2.8	38	1.3	0.12 U	0.28	0.11 U	0.12 U	0.12 U
Phenol	0.33	100	0.33	MG/KG	0.17 U	1.9 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U	0.2 U
Pyrene	100	100	1000	MG/KG	2.6	38	2	0.12 U	0.28	0.11 U	0.12 U	0.12 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	SB-7 09/27/2017 2.5 - 4.5 N	SB-7 09/27/2017 10 - 12 N	SB-8 09/20/2017 0 - 2 N	SB-8 09/20/2017 5 - 7 N	SB-8 09/20/2017 10 - 12 N	SB-8 09/20/2017 15 - 17 N	SB-9 09/18/2017 0 - 2 N	SB-9 09/19/2017 8 - 10 N	SB-9 09/19/2017 10 - 12 N	SB-9 09/19/2017 15 - 17 N
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U	0.12 U	0.1 U	0.12 U	0.11 U	0.12 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.17 U	0.17 U	0.16 U	0.17 U	0.18 U	0.19 U	0.16 U	0.17 U	0.17 U	0.18 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.89 U	0.92 U	0.86 U	0.9 U	0.97 U	0.99 U	0.84 U	0.92 U	0.91 U	0.98 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
2-Chloronaphthalene	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
2-Chlorophenol	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
2-Methylnaphthalene	--	--	--	MG/KG	0.14 J	0.23 U	0.035 J	0.22 U	0.24 U	0.25 U	1.5	0.23 U	0.028 J	0.24 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
2-Nitroaniline	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
2-Nitrophenol	--	--	--	MG/KG	0.4 U	0.42 U	0.38 U	0.41 U	0.44 U	0.45 U	0.38 U	0.42 U	0.41 U	0.44 U
3- And 4- Methylphenol (Total)	**0.33**	100	0.33	MG/KG	0.27 U	0.28 U	0.26 U	0.27 U	0.29 U	0.3 U	0.065 J	0.28 U	0.27 U	0.29 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 UJV	0.19 UJV	0.2 UJV
3-Nitroaniline	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.48 U	0.5 U	0.46 U	0.49 U	0.53 U	0.54 U	0.46 U	0.5 U	0.49 U	0.53 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
4-Chloroaniline	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
4-Nitroaniline	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
4-Nitrophenol	--	--	--	MG/KG	0.26 U	0.27 U	0.25 U	0.26 U	0.28 U	0.29 U	0.25 U	0.27 U	0.27 U	0.28 U
Acenaphthene	20	100	98	MG/KG	0.068 J	0.15 U	0.074 J	0.15 U	0.16 U	0.16 U	2.5	0.15 U	0.086 J	0.16 U
Acenaphthylene	100	100	107	MG/KG	0.22	0.15 U	0.14	0.15 U	0.16 U	0.16 U	1.7	0.15 U	0.15 U	0.16 U
Acetophenone	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
Anthracene	100	100	1000	MG/KG	0.28	0.12 U	0.22	0.11 U	0.12 U	0.12 U	6.5	0.12 U	0.27	0.12 U
Benzo(A)Anthracene	**1**	1	1	MG/KG	1	0.049 J	0.76	0.11 U	0.12 U	0.12 U	**10**	0.12 U	0.53	0.032 J
Benzo(A)Pyrene	**1**	1	22	MG/KG	1	0.15 U	0.77	0.15 U	0.16 U	0.16 U	**9.7**	0.15 U	0.44	0.16 U
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	**1.3**	0.055 J	0.97	0.11 U	0.12 U	0.12 U	**12**	0.12 U	0.51	0.12 U
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.6	0.15 U	0.59	0.15 U	0.16 U	0.16 U	5.6	0.15 U	0.24	0.16 U
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.35	0.12 U	0.31	0.11 U	0.12 U	0.12 U	**3.3**	0.12 U	0.17	0.12 U
Benzoic Acid	--	--	--	MG/KG	0.6 URV	0.62 URV	0.58 U	0.61 U	0.66 U	0.67 U	0.57 URV	0.62 UJV	0.62 UJV	0.66 UJV
Benzyl Alcohol	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-7	SB-7	SB-8	SB-8	SB-8	SB-8	SB-9	SB-9	SB-9	SB-9
			Sample Date:		09/27/2017	09/27/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017
			Sample Depth (ft bls):		2.5 - 4.5	10 - 12	0 - 2	5 - 7	10 - 12	15 - 17	0 - 2	8 - 10	10 - 12	15 - 17
			Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.42 U	0.44 U	0.41 U	0.43 U	0.46 U	0.47 U	0.51	0.44 U	0.43 U	0.46 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.2 U	0.21 U	0.19 U	0.2 U	0.22 U	0.22 U	0.19 U	0.21 U	0.2 U	0.22 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.17 U	0.17 U	0.16 U	0.17 U	0.18 U	0.19 U	0.16 U	0.17 U	0.17 U	0.18 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.22 U	0.23 U	0.21 U	0.22 U	0.24 U	0.25 U	0.21 U	0.23 U	0.23 U	0.24 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.31	0.19 UV	0.19 UV	0.2 UV
Carbazole	--	--	--	MG/KG	0.06 J-V	0.19 UJV	0.079 J	0.19 U	0.2 U	0.21 U	2.7	0.19 U	0.078 J	0.2 U
Chrysene	**1**	3.9	1	MG/KG	1	0.043 J	0.73	0.11 U	0.12 U	0.12 U	**9.2**	0.12 U	0.45	0.021 J
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.12	0.12 U	0.12	0.11 U	0.12 U	0.12 U	**1.2**	0.12 U	0.053 J	0.12 U
Dibenzofuran	**7**	59	210	MG/KG	0.058 J	0.19 U	0.053 J	0.19 U	0.2 U	0.21 U	2.8	0.19 U	0.065 J	0.2 U
Diethyl Phthalate	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
Dimethyl Phthalate	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.071 J	0.2 U
Fluoranthene	100	100	1000	MG/KG	1.9	0.062 J	1.5	0.038 J	0.12 U	0.12 U	23	0.12 U	1.1	0.048 J
Fluorene	30	100	386	MG/KG	0.07 J	0.19 U	0.079 J	0.19 U	0.2 U	0.21 U	3.8	0.19 U	0.12 J	0.2 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U	0.12 U	0.1 U	0.12 U	0.11 U	0.12 U
Hexachlorobutadiene	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.53 U	0.55 U	0.51 U	0.54 U	0.58 U	0.59 U	0.5 U	0.55 U	0.54 U	0.58 U
Hexachloroethane	--	--	--	MG/KG	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.16 U	0.14 U	0.15 U	0.15 U	0.16 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**0.64**	0.15 U	**0.62**	0.15 U	0.16 U	0.16 U	**6.2**	0.15 U	0.25	0.16 U
Isophorone	--	--	--	MG/KG	0.17 U	0.17 U	0.16 U	0.17 U	0.18 U	0.19 U	0.16 U	0.17 U	0.17 U	0.18 U
Naphthalene	**12**	100	12	MG/KG	0.15 J	0.19 U	0.068 J	0.19 U	0.2 U	0.21 U	2.7	0.19 U	0.049 J	0.2 U
Nitrobenzene	--	--	--	MG/KG	0.17 U	0.17 U	0.16 U	0.17 U	0.18 U	0.19 U	0.16 U	0.17 U	0.17 U	0.18 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.16 U	0.14 U	0.15 U	0.15 U	0.16 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.15 U	0.15 U	0.14 U	0.15 U	0.16 U	0.16 U	0.14 UJV	0.15 U	0.15 U	0.16 U
Phenanthrene	**100**	100	1000	MG/KG	1	0.12 U	0.89	0.036 J	0.12 U	0.12 U	24	0.12 U	1.2	0.042 J
Phenol	0.33	100	0.33	MG/KG	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U	0.21 U	0.18 U	0.19 U	0.19 U	0.2 U
Pyrene	100	100	1000	MG/KG	2.1	0.066 J	1.4	0.032 J	0.12 U	0.12 U	19	0.12 U	1.1	0.044 J

Table 3. Summary of Metals in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	MW-1	MW-1	MW-2	MW-2	MW-2	MW-2
				Sample Date:	09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017
				Sample Depth (ft bls):	3 - 5	9 - 11	0 - 2	5 - 7	10 - 12	15 - 17
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	4780	6480	7510	7220	3560	3660
Antimony	--	--	--	MG/KG	4.07 U	4.88 U	4.57 U	4.49 U	4.74 U	4.8 U
Arsenic	**13**	16	16	MG/KG	3.43	1.69	9.58	**26.7**	1.89	0.96 UV
Barium	350	400	820	MG/KG	85.2	57.2	20.8	21.4	16.6	13.9
Beryllium	7.2	72	47	MG/KG	0.179 J	0.146 J	0.338 J	0.261 J	0.057 J	0.077 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.903	0.497 J	0.621 J	0.593 J	0.256 J	0.269 J
Calcium	--	--	--	MG/KG	3100	1940	2410	7020	694	223
Chromium, Total	**30**	180	--	MG/KG	14.4	13.9	18.4	24.1	6.77	7.73
Cobalt	--	--	--	MG/KG	4.36	6.08	7.06	6.33	3.14	2.36
Copper	**50**	270	1720	MG/KG	22.2	16.6	34.5	16.8	8.48	8.16
Iron	--	--	--	MG/KG	16500	10900	13800	13600	6100	6550
Lead	**63**	400	450	MG/KG	**152**	37.2	6.87	7.01	3.44 J	3.34 J
Magnesium	--	--	--	MG/KG	1400	2390	2810	2450	1460	1320
Manganese	1600	2000	2000	MG/KG	291	134	444	211	57.5	51.9
Mercury	**0.18**	0.81	0.73	MG/KG	0.12	0.1	0.02 J	0.08 U	0.08 U	0.08 U
Nickel	**30**	310	130	MG/KG	9.48	13.2	19.2	13.6	6.44	6.64
Potassium	--	--	--	MG/KG	576	1650	415	466	323	335
Selenium	3.9	180	4	MG/KG	1.63 U	1.95 U	1.83 U	1.8 U	1.9 U	1.92 U
Silver	2	180	8.3	MG/KG	0.814 U	0.975 U	0.913 U	0.899 U	0.948 U	0.96 U
Sodium	--	--	--	MG/KG	196 J-V	302 J-V	67.1 J-V	124 J-V	37.2 J-V	19 J-V
Thallium	--	--	--	MG/KG	1.63 U	1.95 U	0.292 J	1.8 U	1.9 U	1.92 U
Vanadium	--	--	--	MG/KG	21.1	18	14.6	15.2	8.53	11
Zinc	**109**	10000	2480	MG/KG	87.8	29.5	36.6	37.7	18.2	19.3

Table 3. Summary of Metals in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4
				Sample Date:	09/20/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017	09/27/2017
				Sample Depth (ft bls):	0 - 2	5 - 7	12.5 - 14.5	15 - 17	5 - 7	2.5 - 4.5
				Normal or Field Duplicate:	N	N	N	N	FD	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	6540	2530	6770	6120	3970	3570
Antimony	--	--	--	MG/KG	4.17 U	4.63 U	4.44 U	5.26 U	4.63 U	3.96 U
Arsenic	**13**	16	16	MG/KG	5.64	0.49 J	1.68	1.15	0.981	6.48
Barium	350	400	820	MG/KG	45.1	26.3	31.7	38.6	26.3	65.1
Beryllium	7.2	72	47	MG/KG	0.225 J	0.12 J	0.213 J	0.2 J	0.176 J	0.158 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.667 J	0.342 J	0.613 J	0.526 J	0.389 J	0.696 J
Calcium	--	--	--	MG/KG	4050	1740	647	1460	2010	2070
Chromium, Total	**30**	180	--	MG/KG	14.2	6.5	17	11.4	7.34	15.5
Cobalt	--	--	--	MG/KG	4.74	3.05	5.24	5.74	3.73	4.3
Copper	**50**	270	1720	MG/KG	21.8	6.07	16.8	11.5	6.17	38.2
Iron	--	--	--	MG/KG	13100	7760	14400	12600	8880	10900
Lead	**63**	400	450	MG/KG	44.6	3.37 J	4.95	5.32	4.41 J	**137**
Magnesium	--	--	--	MG/KG	2510	1480	1830	2880	1680	1170
Manganese	1600	2000	2000	MG/KG	203	187	229	344	168	191
Mercury	**0.18**	0.81	0.73	MG/KG	**0.22**	0.03 J	0.08 U	0.08 U	0.02 J	**0.34**
Nickel	**30**	310	130	MG/KG	11.4	6.12	9.65	10.2	7.02	12.3
Potassium	--	--	--	MG/KG	787	511	861	903	474	504
Selenium	3.9	180	4	MG/KG	1.67 U	1.85 U	1.78 U	2.1 U	1.85 U	1.58 U
Silver	2	180	8.3	MG/KG	0.834 U	0.925 U	0.889 U	1.05 U	0.926 U	0.791 U
Sodium	--	--	--	MG/KG	316 J-V	69.9 J-V	85 J-V	102 J-V	61.7 J-V	364 J-V
Thallium	--	--	--	MG/KG	1.67 U	1.85 U	1.78 U	2.1 U	1.85 U	1.58 U
Vanadium	--	--	--	MG/KG	16.9	8.6	26.7	16.8	10.8	15
Zinc	**109**	10000	2480	MG/KG	57.2	11.9	20	24.3	14.3	**118**

Table 3. Summary of Metals in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	MW-4	MW-5	MW-5	MW-5	MW-5	SB-1
				Sample Date:	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/27/2017
				Sample Depth (ft bls):	8 - 10	0 - 2	5 - 7	10 - 12	15 - 17	2.5 - 4.5
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	4630	7650	7760	3140	3000	5420
Antimony	--	--	--	MG/KG	5.18 U	4.34 U	4.6 U	4.46 U	4.66 U	4.16 U
Arsenic	**13**	16	16	MG/KG	4.33	**31.2**	2.57	1.25 UV	1.3 UV	6.03
Barium	350	400	820	MG/KG	128	30	44	19.4	19.8	91.5
Beryllium	7.2	72	47	MG/KG	0.124 J	0.208 J	0.221 J	0.187 J	0.224 J	0.183 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.653 J	0.669 J	0.589 J	0.49 J	0.625 J	1.3
Calcium	--	--	--	MG/KG	2200	9360	132	537	555	5060
Chromium, Total	**30**	180	--	MG/KG	12.7	29	11.5	13.4	13.8	13.8
Cobalt	--	--	--	MG/KG	5.23	5.84	5.24	5.9	6.26	4.91
Copper	**50**	270	1720	MG/KG	36.7	20.5	16.7	12.2	14.8	**64**
Iron	--	--	--	MG/KG	13100	14700	14100	11500	14700	13400
Lead	**63**	400	450	MG/KG	**249**	10.5	6.64	6.51	6.9	**343**
Magnesium	--	--	--	MG/KG	1410	2590	2310	1080	1120	1750
Manganese	1600	2000	2000	MG/KG	196	214	99.1	153	196	222
Mercury	**0.18**	0.81	0.73	MG/KG	**0.19**	0.02 J	0.07 U	0.07 U	0.08 U	**0.47**
Nickel	**30**	310	130	MG/KG	11	13.5	11.2	6.82	7.9	12
Potassium	--	--	--	MG/KG	753	340	281	681	739	608
Selenium	3.9	180	4	MG/KG	2.07 U	1.74 U	1.84 U	1.78 U	1.86 U	1.66 U
Silver	2	180	8.3	MG/KG	1.04 U	0.869 U	0.921 U	0.892 U	0.932 U	0.831 U
Sodium	--	--	--	MG/KG	207 UV	70.7 J-V	18.6 J-V	107 J-V	125 J-V	378 J-V
Thallium	--	--	--	MG/KG	2.07 U	1.74 U	1.84 U	1.78 U	1.86 U	1.66 U
Vanadium	--	--	--	MG/KG	20.6	16.6	14.7	19.8	20.1	21.4
Zinc	**109**	10000	2480	MG/KG	85.5	38.1	31.4	20.4	22.1	**325**

Table 3. Summary of Metals in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	SB-1	SB-10	SB-10	SB-10	SB-10	SB-11
				Sample Date:	09/27/2017	09/18/2017	09/18/2017	09/18/2017	09/18/2017	09/29/2017
				Sample Depth (ft bls):	10 - 12	0 - 2	5 - 7	12 - 14	18 - 20	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	4040	4690	7620	3340	3920	7900
Antimony	--	--	--	MG/KG	5.22 U	4.29 U	4.59 U	4.75 U	4.55 U	4.25 U
Arsenic	**13**	16	16	MG/KG	**13.3**	**71.4**	4	**37.2**	1.03 UV	**34**
Barium	350	400	820	MG/KG	217	34.8	21.5	20.5	30.9	59.5
Beryllium	7.2	72	47	MG/KG	0.251 J	0.069 J	0.303 J	0.152 J	0.273 J	0.399 J
Cadmium	**2.5**	4.3	7.5	MG/KG	**4.15**	1.91	0.698 J	0.618 J	0.7 J	0.748 J
Calcium	--	--	--	MG/KG	16600	24500	723	10200	751	14300
Chromium, Total	**30**	180	--	MG/KG	8.74	**49.7**	10.9	**36.6**	14.8	**32.5**
Cobalt	--	--	--	MG/KG	4.18	4.39	5.69	4.29	7.88	6.14
Copper	**50**	270	1720	MG/KG	36.2	40.1	13.9	13.6	16.6	**50.3**
Iron	--	--	--	MG/KG	12400	33600	15000	13000	15300	19400
Lead	**63**	400	450	MG/KG	**2530**	**134**	11.2	8.64	6.16	**191**
Magnesium	--	--	--	MG/KG	1320	2130	2380	1500	1800	3250
Manganese	1600	2000	2000	MG/KG	246	160	156	138	141	308
Mercury	**0.18**	0.81	0.73	MG/KG	**2**	0.1	0.04 J	0.08 U	0.07 U	**0.48**
Nickel	**30**	310	130	MG/KG	9.9	11.8	11.4	9.01	12.9	15.3
Potassium	--	--	--	MG/KG	605	509	254	528	1420	577
Selenium	3.9	180	4	MG/KG	0.449 J	1.72 U	1.84 U	1.9 U	1.82 U	1.7 U
Silver	2	180	8.3	MG/KG	1.04 U	0.858 U	0.918 U	0.951 U	0.91 U	0.849 U
Sodium	--	--	--	MG/KG	247 J-V	322 J-V	32.8 J-V	137 J-V	63.1 J-V	238
Thallium	--	--	--	MG/KG	2.09 U	1.72 U	1.84 U	1.9 U	1.82 U	1.7 U
Vanadium	--	--	--	MG/KG	15.1	25.4	17.6	17	26.4	22
Zinc	**109**	10000	2480	MG/KG	**1610**	**162**	43.1	25.7	35	**117**

Table 3. Summary of Metals in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	SB-11	SB-11	SB-12	SB-12	SB-2	SB-2
				Sample Date:	09/29/2017	09/29/2017	09/29/2017	09/29/2017	09/20/2017	09/20/2017
				Sample Depth (ft bls):	3 - 5	15 - 17	0 - 2	15 - 17	0 - 2	5 - 7
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	7570	5380	10600	2940	6570	4770
Antimony	--	--	--	MG/KG	4.65 U	4.85 U	4.59 U	4.6 U	4.27 U	4.25 U
Arsenic	**13**	16	16	MG/KG	**32**	3.06	5.04	1.57	2.79	1.26
Barium	350	400	820	MG/KG	50.8	29.4	27.6	17.3	46.7	58.2
Beryllium	7.2	72	47	MG/KG	0.353 J	0.476 J	0.404 J	0.588	0.23 J	0.238 J
Cadmium	**2.5**	4.3	7.5	MG/KG	2.49	0.495 J	0.505 J	0.644 J	0.632 J	1.08
Calcium	--	--	--	MG/KG	34100	938	1260	964	3520	1970
Chromium, Total	**30**	180	--	MG/KG	**36.8**	17.2	17.8	17.3	13.8	15.3
Cobalt	--	--	--	MG/KG	8.44	6.92	8.56	6.9	4.71	6.11
Copper	**50**	270	1720	MG/KG	**107**	19.2	30.1	15.4	24.4	12.6
Iron	--	--	--	MG/KG	31900	19500	20100	25500	13000	24600
Lead	**63**	400	450	MG/KG	**187**	8.57	9.94	6.74	36.9	6.96
Magnesium	--	--	--	MG/KG	2290	2150	3210	1070	2930	2000
Manganese	1600	2000	2000	MG/KG	328	170	258	246	188	634
Mercury	**0.18**	0.81	0.73	MG/KG	**0.51**	0.04 J	0.03 J	0.02 J	0.13	0.07 U
Nickel	**30**	310	130	MG/KG	**33**	11.6	16.3	11.8	11	10.2
Potassium	--	--	--	MG/KG	809	1020	433	493	905	937
Selenium	3.9	180	4	MG/KG	1.86 U	1.94 U	1.84 U	1.84 U	1.71 U	1.7 U
Silver	2	180	8.3	MG/KG	0.93 U	0.971 U	0.918 U	0.92 U	0.853 U	0.849 U
Sodium	--	--	--	MG/KG	277	92.6 J	55.2 J	101 J	278 J-V	197 J-V
Thallium	--	--	--	MG/KG	1.86 U	1.94 U	1.84 U	1.84 U	1.71 U	0.433 J
Vanadium	--	--	--	MG/KG	26.7	24.2	20.9	28	17.3	24.6
Zinc	**109**	10000	2480	MG/KG	**504**	33.4	48.3	29.3	47	24.2

Table 3. Summary of Metals in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	SB-2	SB-2	SB-3	SB-3	SB-3	SB-3
				Sample Date:	09/20/2017	09/20/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017
				Sample Depth (ft bls):	10 - 12	15 - 17	0 - 2	5 - 7	10 - 12	15 - 17
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	3000	7120 JV	5340	5780	6340	3140
Antimony	--	--	--	MG/KG	4.44 U	4.87 UJV	4.3 U	4.5 U	4.76 U	4.68 U
Arsenic	**13**	16	16	MG/KG	0.311 J	1.77	**15**	2.86	3.41	3.13
Barium	350	400	820	MG/KG	11.5	36.3 JV	39.4	24.9	27.2	24.6
Beryllium	7.2	72	47	MG/KG	0.115 J	0.253 J	0.189 J	0.243 J	0.228 J	0.337 J
Cadmium	**2.5**	4.3	7.5	MG/KG	**8.61**	0.847 J	0.55 J	0.521 J	0.618 J	0.74 J
Calcium	--	--	--	MG/KG	700	1050 JV	13000	427	289	253
Chromium, Total	**30**	180	--	MG/KG	7.32	16.6 JV	**34.9**	7.87	9.83	10.4
Cobalt	--	--	--	MG/KG	6.54	6.83 JV	5.94	5.91	7.98	4.41
Copper	**50**	270	1720	MG/KG	12.3	15 JV	20.8	9.77	12	10.6
Iron	--	--	--	MG/KG	9260	19300 JV	10400	12100	14300	17300
Lead	**63**	400	450	MG/KG	8.35	4.9 JV	23.5	5.66	5.67	3.83 J
Magnesium	--	--	--	MG/KG	1420	2740 JV	3300	2040	2330	978
Manganese	1600	2000	2000	MG/KG	92	551 JV	254	422	434	317
Mercury	**0.18**	0.81	0.73	MG/KG	0.07 U	0.08 U	0.05 J	0.07 U	0.08 U	0.08 U
Nickel	**30**	310	130	MG/KG	10.8	13.7 JV	20.1	11.4	11.9	9.25
Potassium	--	--	--	MG/KG	520	1370 JV	629	370	390	367
Selenium	3.9	180	4	MG/KG	1.78 U	1.95 UJV	1.72 U	1.8 U	1.9 U	1.87 U
Silver	2	180	8.3	MG/KG	0.888 U	0.973 UJV	0.859 U	0.899 U	0.952 U	0.936 U
Sodium	--	--	--	MG/KG	65.6 J-V	103 J-V	115 J-V	37.6 J-V	25.3 J-V	44.6 J-V
Thallium	--	--	--	MG/KG	1.78 U	1.95 UJV	1.72 U	1.8 U	1.9 U	1.87 U
Vanadium	--	--	--	MG/KG	13.2	25.7 JV	14	11.3	12.6	15.7
Zinc	**109**	10000	2480	MG/KG	89.5	27.4 JV	41	38.9	40.3	22

Table 3. Summary of Metals in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6
				Sample Date:	09/27/2017	09/27/2017	09/27/2017	09/27/2017	09/18/2017	09/19/2017
				Sample Depth (ft bls):	2.5 - 4.5	8 - 10	2.5 - 4.5	9 - 11	0 - 2	5 - 7
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	5120	7880	5260	10300	6460	8050
Antimony	--	--	--	MG/KG	4.22 U	4.6 U	0.774 J	4.55 U	4.25 U	4.51 U
Arsenic	**13**	16	16	MG/KG	2.51	1.31	9.76	1.64	11.6	3.59
Barium	350	400	820	MG/KG	63.6	77.3	145	102	41.6	20.3
Beryllium	7.2	72	47	MG/KG	0.135 J	0.046 J	0.189 J	0.455 U	0.238 J	0.252 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.625 J	0.772 J	2.24	0.974	0.587 J	0.676 J
Calcium	--	--	--	MG/KG	4440	2870	8290	1230	10000	178
Chromium, Total	**30**	180	--	MG/KG	11.9	15.9	25.2	28.4	19.1	11.4
Cobalt	--	--	--	MG/KG	4.62	9.38	5.7	11.5	8.03	7.17
Copper	**50**	270	1720	MG/KG	24.2	19.7	**108**	22.2	17.1	20.7
Iron	--	--	--	MG/KG	11100	16400	22600	16400	12000	16100
Lead	**63**	400	450	MG/KG	**186**	23.8	**1090**	24.4	23.3	7.16
Magnesium	--	--	--	MG/KG	1850	3230	1780	5290	2730	2600
Manganese	1600	2000	2000	MG/KG	205	261	361	292	390	264
Mercury	**0.18**	0.81	0.73	MG/KG	**0.41**	0.05 J	**0.76**	0.1	0.05 J	0.08 U
Nickel	**30**	310	130	MG/KG	9.99	15.3	17.2	20	15.1	11.4
Potassium	--	--	--	MG/KG	719	3620	662	6000	656	332
Selenium	3.9	180	4	MG/KG	1.69 U	1.84 U	1.72 U	1.82 U	1.7 U	1.8 U
Silver	2	180	8.3	MG/KG	0.844 U	0.919 U	0.86 U	0.91 U	0.298 J	0.901 U
Sodium	--	--	--	MG/KG	251 J-V	184 UV	362 J-V	182 UV	223 J-V	45.4 J-V
Thallium	--	--	--	MG/KG	1.69 U	1.84 U	1.72 U	1.82 U	1.7 U	1.8 U
Vanadium	--	--	--	MG/KG	14.7	25.7	22.1	41.9	16	15.1
Zinc	**109**	10000	2480	MG/KG	69	40.8	**358**	51.1	37.6	36

Table 3. Summary of Metals in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	SB-6	SB-6	SB-7	SB-7	SB-8	SB-8
				Sample Date:	09/19/2017	09/19/2017	09/27/2017	09/27/2017	09/20/2017	09/20/2017
				Sample Depth (ft bls):	11.5 - 13.5	15 - 17	2.5 - 4.5	10 - 12	0 - 2	5 - 7
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	8800	4590	3450	6720	6170	7380
Antimony	--	--	--	MG/KG	4.68 U	4.64 U	0.852 J	4.68 U	4.16 U	4.48 U
Arsenic	**13**	16	16	MG/KG	1.71	1.02 UV	10.5	7.31	**23.3**	2.18
Barium	350	400	820	MG/KG	103	41.1	61.5	64.1	61	39.4
Beryllium	7.2	72	47	MG/KG	0.468 U	0.037 J	0.148 J	0.178 J	0.258 J	0.26 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.59 J	0.334 J	2.13	0.618 J	1.22	0.708 J
Calcium	--	--	--	MG/KG	506	303	3650	1680	3890	23400
Chromium, Total	**30**	180	--	MG/KG	14.9	9.2	**42.4**	14.2	13	19.1
Cobalt	--	--	--	MG/KG	8.65	4.79	6.21	6.67	4.91	4.49
Copper	**50**	270	1720	MG/KG	20.8	12	**1590**	17	**72**	16.1
Iron	--	--	--	MG/KG	14400	8060	26200	13300	12900	15800
Lead	**63**	400	450	MG/KG	4.2 J	2.97 J	**300**	47.2	**136**	16.3
Magnesium	--	--	--	MG/KG	3300	1770	842	2290	2230	5010
Manganese	1600	2000	2000	MG/KG	240	117	225	327	210	262
Mercury	**0.18**	0.81	0.73	MG/KG	0.08 U	0.08 U	**1.4**	**0.26**	**1**	0.09
Nickel	**30**	310	130	MG/KG	11.6	7.27	**40.2**	13.8	11.3	9.03
Potassium	--	--	--	MG/KG	4210	1560	474	1950	694	794
Selenium	3.9	180	4	MG/KG	1.87 U	1.86 U	1.74 U	1.87 U	1.66 U	1.79 U
Silver	2	180	8.3	MG/KG	0.937 U	0.928 U	0.869 U	0.936 U	0.832 U	0.897 U
Sodium	--	--	--	MG/KG	58 J-V	40.2 J-V	449 J-V	299 J-V	257 J-V	234 J-V
Thallium	--	--	--	MG/KG	1.87 U	1.86 U	1.74 U	1.87 U	0.333 J	1.79 U
Vanadium	--	--	--	MG/KG	23.8	12.8	15.2	20.1	21.3	25.2
Zinc	**109**	10000	2480	MG/KG	43.2	23.5	**645**	32.6	**130**	33.1

Table 3. Summary of Metals in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-8	SB-8	SB-9	SB-9	SB-9	SB-9
			Sample Date:		09/20/2017	09/20/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017
			Sample Depth (ft bls):		10 - 12	15 - 17	0 - 2	8 - 10	10 - 12	15 - 17
			Normal or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	--	MG/KG	11800	5110	5000	7020	5730	2380
Antimony	--	--	--	MG/KG	4.97 U	5 U	4.07 U	4.64 U	4.58 U	4.82 U
Arsenic	**13**	16	16	MG/KG	2.08	0.96 J	**24.6**	3.16	**16.1**	2.49
Barium	350	400	820	MG/KG	35.2	15.2	59.5	47.8	35.6	20.1
Beryllium	7.2	72	47	MG/KG	0.348 J	0.16 J	0.196 J	0.408 J	0.146 J	0.164 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.726 J	0.48 J	0.831	0.946	0.449 J	0.53 J
Calcium	--	--	--	MG/KG	788	386	20200	603	6960	4930
Chromium, Total	**30**	180	--	MG/KG	16.3	8.33	23.1	22.6	22.3	11.2
Cobalt	--	--	--	MG/KG	7.05	5.37	5.52	9.16	4.41	5.12
Copper	**50**	270	1720	MG/KG	12.9	7.2	33.8	22.5	13.4	12.5
Iron	--	--	--	MG/KG	17900	11100	11800	21800	9970	12700
Lead	**63**	400	450	MG/KG	12.5	6.64	**151**	7.52	9.03	5.29
Magnesium	--	--	--	MG/KG	2550	1870	2490	1950	2090	922
Manganese	1600	2000	2000	MG/KG	484	113	219	222	399	189
Mercury	**0.18**	0.81	0.73	MG/KG	0.04 J	0.08 U	**0.29**	0.07 U	0.04 J	0.08 U
Nickel	**30**	310	130	MG/KG	12.3	9.58	13.3	12.5	11.2	6.48
Potassium	--	--	--	MG/KG	523	347	652	1180	502	392
Selenium	3.9	180	4	MG/KG	1.99 U	2 U	1.63 U	1.86 U	1.83 U	1.93 U
Silver	2	180	8.3	MG/KG	0.994 U	1 U	0.815 U	0.928 U	0.916 U	0.963 U
Sodium	--	--	--	MG/KG	89.5 J-V	49.8 J-V	250 J-V	47.3 J-V	112 J-V	57.5 J-V
Thallium	--	--	--	MG/KG	0.378 J	2 U	1.63 U	1.86 U	1.83 U	1.93 U
Vanadium	--	--	--	MG/KG	20.8	12.3	17.1	33.8	14.3	15.5
Zinc	**109**	10000	2480	MG/KG	32.1	21	81	36.6	27.2	15.7

Table 4. Summary of Polychlorinated Biphenyls in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3	MW-3
			Sample Date:		09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017
			Sample Depth (ft bls):		3 - 5	9 - 11	0 - 2	5 - 7	10 - 12	15 - 17	0 - 2	5 - 7	12.5 - 14.5	15 - 17
			Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.0352 U	0.0388 U	0.037 U	0.0376 U	0.0392 U	0.0396 U	0.0355 U	0.0388 U	0.0383 U	0.0438 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.0352 U	0.0388 U	0.037 U	0.0376 U	0.0392 U	0.0396 U	0.0355 U	0.0388 U	0.0383 U	0.0438 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.0352 U	0.0388 U	0.037 U	0.0376 U	0.0392 U	0.0396 U	0.0355 U	0.0388 U	0.0383 U	0.0438 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.0352 U	0.0388 U	0.037 U	0.0376 U	0.0392 U	0.0396 U	0.0355 U	0.0388 U	0.0383 U	0.0438 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.0352 U	0.0388 U	0.037 U	0.0376 U	0.0392 U	0.0396 U	0.0355 U	0.0388 U	0.0383 U	0.0438 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.0352 U	0.0388 U	0.037 U	0.0376 U	0.0392 U	0.0396 U	0.0355 U	0.0388 U	0.0383 U	0.0438 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.0352 U	0.0388 U	0.037 U	0.0376 U	0.0392 U	0.0396 U	0.0039 J	0.0388 U	0.0383 U	0.0438 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.0352 U	0.0388 U	0.037 U	0.0376 U	0.0392 U	0.0396 U	0.0355 U	0.0388 U	0.0383 U	0.0438 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.0352 U	0.0388 U	0.037 U	0.0376 U	0.0392 U	0.0396 U	0.0355 U	0.0388 U	0.0383 U	0.0438 U
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.0352 U	0.0388 U	0.037 U	0.0376 U	0.0392 U	0.0396 U	0.0039 J	0.0388 U	0.0383 U	0.0438 U

Table 4. Summary of Polychlorinated Biphenyls in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		MW-3	MW-4	MW-4	MW-5	MW-5	MW-5	MW-5	SB-1	SB-1	SB-10
			Sample Date:		09/20/2017	09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/27/2017	09/27/2017	09/18/2017
			Sample Depth (ft bls):		5 - 7	2.5 - 4.5	8 - 10	0 - 2	5 - 7	10 - 12	15 - 17	2.5 - 4.5	10 - 12	0 - 2
			Normal or Field Duplicate:		FD	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.0397 U	0.0331 U	0.0431 U	0.0352 U	0.0382 U	0.0376 U	0.0398 U	0.0352 U	0.0442 U	0.0344 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.0397 U	0.0331 U	0.0431 U	0.0352 U	0.0382 U	0.0376 U	0.0398 U	0.0352 U	0.0442 U	0.0344 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.0397 U	0.0331 U	0.0431 U	0.0352 U	0.0382 U	0.0376 U	0.0398 U	0.0352 U	0.0442 U	0.0344 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.0397 U	0.0331 U	0.0431 U	0.0352 U	0.0382 U	0.0376 U	0.0398 U	0.0352 U	0.0442 U	0.0344 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.0397 U	0.0331 U	0.0431 U	0.0352 U	0.0382 U	0.0376 U	0.0398 U	0.0352 U	0.0442 U	0.0344 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.0397 U	0.0331 U	0.0431 U	0.0352 U	0.0382 U	0.0376 U	0.0398 U	0.0352 U	0.0442 U	0.0344 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.0397 U	0.0331 U	0.0431 U	0.0352 U	0.0382 U	0.0376 U	0.0398 U	0.0161 JV	0.0442 U	0.0344 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.0397 U	0.0331 U	0.0431 U	0.0352 U	0.0382 U	0.0376 U	0.0398 U	0.0352 U	0.0442 U	0.0344 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.0397 U	0.0331 U	0.0431 U	0.0352 U	0.0382 U	0.0376 U	0.0398 U	0.0352 U	0.0442 U	0.0344 U
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.0397 U	0.0331 U	0.0431 U	0.0352 U	0.0382 U	0.0376 U	0.0398 U	0.0161 JV	0.0442 U	0.0344 U

Table 4. Summary of Polychlorinated Biphenyls in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-10	SB-10	SB-10	SB-11	SB-11	SB-11	SB-12	SB-12	SB-2	SB-2
			Sample Date:		09/18/2017	09/18/2017	09/18/2017	09/29/2017	09/29/2017	09/29/2017	09/29/2017	09/29/2017	09/20/2017	09/20/2017
			Sample Depth (ft bls):		5 - 7	12 - 14	18 - 20	0 - 2	3 - 5	15 - 17	0 - 2	15 - 17	0 - 2	5 - 7
			Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.0384 U	0.038 U	0.0386 U	0.0351 U	0.0375 UJV	0.04 U	0.0383 U	0.0393 U	0.0363 U	0.0369 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.0384 U	0.038 U	0.0386 U	0.0351 U	0.0375 UJV	0.04 U	0.0383 U	0.0393 U	0.0363 U	0.0369 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.0384 U	0.038 U	0.0386 U	0.0351 U	0.0375 UJV	0.04 U	0.0383 U	0.0393 U	0.0363 U	0.0369 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.0384 U	0.038 U	0.0386 U	0.0351 U	0.0375 UJV	0.04 U	0.0383 U	0.0393 U	0.0363 U	0.0369 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.0384 U	0.038 U	0.0386 U	0.0351 U	0.0375 UJV	0.04 U	0.0383 U	0.0393 U	0.0363 U	0.0369 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.0384 U	0.038 U	0.0386 U	0.0351 U	0.0375 UJV	0.04 U	0.0383 U	0.0393 U	0.0363 U	0.0369 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.0384 U	0.038 U	0.0386 U	0.0351 U	0.0375 UJV	0.04 U	0.0383 U	0.0393 U	0.0363 U	0.0369 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.0384 U	0.038 U	0.0386 U	0.0351 U	0.0375 UJV	0.04 U	0.0383 U	0.0393 U	0.0363 U	0.0369 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.0384 U	0.038 U	0.0386 U	0.0351 U	0.0375 UJV	0.04 U	0.0383 U	0.0393 U	0.0363 U	0.0369 U
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.0384 U	0.038 U	0.0386 U	0.0351 U	0.0375 UJV	0.04 U	0.0383 U	0.0393 U	0.0363 U	0.0369 U

Table 4. Summary of Polychlorinated Biphenyls in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-2	SB-2	SB-3	SB-3	SB-3	SB-3	SB-4	SB-4	SB-5	SB-5
			Sample Date:		09/20/2017	09/20/2017	09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/27/2017	09/27/2017	09/27/2017	09/27/2017
			Sample Depth (ft bls):		10 - 12	15 - 17	0 - 2	5 - 7	10 - 12	15 - 17	2.5 - 4.5	8 - 10	2.5 - 4.5	9 - 11
			Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.037 U	0.0389 U	0.0357 U	0.037 U	0.0397 U	0.0388 U	0.0335 U	0.039 U	0.0367 U	0.0376 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.037 U	0.0389 U	0.0357 U	0.037 U	0.0397 U	0.0388 U	0.0335 U	0.039 U	0.0367 U	0.0376 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.037 U	0.0389 U	0.0357 U	0.037 U	0.0397 U	0.0388 U	0.0335 U	0.039 U	0.0367 U	0.0376 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.037 U	0.0389 U	0.0357 U	0.037 U	0.0397 U	0.0388 U	0.0335 U	0.039 U	0.0216 J	0.0376 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.037 U	0.0389 U	0.0357 U	0.037 U	0.0397 U	0.0388 U	0.0335 U	0.039 U	0.0367 U	0.0376 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.037 U	0.0389 U	0.0357 U	0.037 U	0.0397 U	0.0388 U	0.0335 U	0.039 U	0.0367 U	0.0376 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.037 U	0.0389 U	0.0357 U	0.037 U	0.0397 U	0.0388 U	0.00568 JV	0.039 U	0.0422	0.0376 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.037 U	0.0389 U	0.0357 U	0.037 U	0.0397 U	0.0388 U	0.0335 U	0.039 U	0.0367 U	0.0376 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.037 U	0.0389 U	0.0357 U	0.037 U	0.0397 U	0.0388 U	0.0335 U	0.039 U	0.0367 U	0.0376 U
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.037 U	0.0389 U	0.0357 U	0.037 U	0.0397 U	0.0388 U	0.00568 JV	0.039 U	0.0638 J	0.0376 U

Table 4. Summary of Polychlorinated Biphenyls in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-6	SB-6	SB-6	SB-6	SB-7	SB-7	SB-8	SB-8	SB-8	SB-8
			Sample Date:		09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/27/2017	09/27/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017
			Sample Depth (ft bls):		0 - 2	5 - 7	11.5 - 13.5	15 - 17	2.5 - 4.5	10 - 12	0 - 2	5 - 7	10 - 12	15 - 17
			Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit										
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.0341 U	0.0378 U	0.0382 U	0.0384 U	0.0374 U	0.0387 U	0.036 U	0.0378 U	0.0398 U	0.0399 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.0341 U	0.0378 U	0.0382 U	0.0384 U	0.0374 U	0.0387 U	0.036 U	0.0378 U	0.0398 U	0.0399 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.0341 U	0.0378 U	0.0382 U	0.0384 U	0.0374 U	0.0387 U	0.036 U	0.0378 U	0.0398 U	0.0399 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.0341 U	0.0378 U	0.0382 U	0.0384 U	0.0374 U	0.0387 U	0.036 U	0.0378 U	0.0398 U	0.0399 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.0341 U	0.0378 U	0.0382 U	0.0384 U	0.0374 U	0.0387 U	0.036 U	0.0378 U	0.0398 U	0.0399 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.0341 U	0.0378 U	0.0382 U	0.0384 U	0.0374 U	0.0387 U	0.036 U	0.0378 U	0.0398 U	0.0399 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.0341 U	0.0378 U	0.0382 U	0.0384 U	0.0374 U	0.0387 U	0.036 U	0.0378 U	0.0398 U	0.0399 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.0341 U	0.0378 U	0.0382 U	0.0384 U	0.0374 U	0.0387 U	0.036 U	0.0378 U	0.0398 U	0.0399 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.0341 U	0.0378 U	0.0382 U	0.0384 U	0.0374 U	0.0387 U	0.036 U	0.0378 U	0.0398 U	0.0399 U
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.0341 U	0.0378 U	0.0382 U	0.0384 U	0.0374 U	0.0387 U	0.036 U	0.0378 U	0.0398 U	0.0399 U

Table 4. Summary of Polychlorinated Biphenyls in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	SB-9	SB-9	SB-9	SB-9
				Sample Date:	09/18/2017	09/19/2017	09/19/2017	09/19/2017
				Sample Depth (ft bls):	0 - 2	8 - 10	10 - 12	15 - 17
				Normal or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.0349 U	0.0382 U	0.0381 U	0.0399 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.0349 U	0.0382 U	0.0381 U	0.0399 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.0349 U	0.0382 U	0.0381 U	0.0399 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.0349 U	0.0382 U	0.0381 U	0.0399 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.0349 U	0.0382 U	0.0381 U	0.0399 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.0349 U	0.0382 U	0.0381 U	0.0399 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.00401 JV	0.0382 U	0.0381 U	0.0399 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.0349 U	0.0382 U	0.0381 U	0.0399 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.0349 U	0.0382 U	0.0381 U	0.0399 U
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.00401 J	0.0382 U	0.0381 U	0.0399 U

Table 5. Summary of Pesticides in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		MW-1	MW-1	MW-2	MW-2	MW-2
			Sample Date:		09/27/2017	09/27/2017	09/18/2017	09/19/2017	09/19/2017
			Sample Depth (ft bls):		3 - 5	9 - 11	0 - 2	5 - 7	10 - 12
			Normal or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	0.005	0.097	0.19	MG/KG	0.00166 U	0.0019 U	0.00179 U	0.00179 U	0.00189 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000691 U	0.000791 U	0.000745 U	0.000746 U	0.000788 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00166 U	0.0019 U	0.00179 U	0.00179 U	0.00189 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00166 U	0.0019 U	0.00179 U	0.00179 U	0.00189 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0019 UV	0.0019 U	0.00179 U	0.00179 U	0.00189 U
Chlordane	--	--	--	MG/KG	0.0135 U	0.0154 U	0.0145 U	0.0145 U	0.0154 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00207 U	0.00237 U	0.00224 U	0.00224 U	0.00236 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00166 U	0.0019 U	0.00179 U	0.00179 U	0.00189 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.00104 U	0.00119 U	0.00112 U	0.00112 U	0.00118 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000691 U	0.000791 U	0.000745 U	0.000746 U	0.000788 U
Endrin	0.014	11	0.06	MG/KG	0.000691 U	0.000791 U	0.000745 U	0.000746 U	0.000788 U
Endrin Aldehyde	--	--	--	MG/KG	0.00207 U	0.00237 U	0.00224 U	0.00224 U	0.00236 U
Endrin Ketone	--	--	--	MG/KG	0.00166 U	0.0019 U	0.00179 U	0.00179 U	0.00189 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000691 U	0.000791 U	0.000745 U	0.000746 U	0.000788 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000829 U	0.000949 U	0.000894 U	0.000895 U	0.000946 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00311 U	0.00356 U	0.00335 U	0.00336 U	0.00355 U
Methoxychlor	--	--	--	MG/KG	0.00311 U	0.00356 U	0.00335 U	0.00336 U	0.00355 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.00166 U	0.0019 U	0.00179 U	0.00179 U	0.00189 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00166 U	0.0019 U	0.00179 U	0.00179 U	0.00189 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00311 U	0.00356 U	0.00335 U	0.00336 U	0.00355 U
Toxaphene	--	--	--	MG/KG	0.0311 U	0.0356 U	0.0335 U	0.0336 U	0.0355 U
trans-Chlordane	--	--	--	MG/KG	0.00207 UV	0.00237 U	0.00224 U	0.00224 U	0.00236 U

Table 5. Summary of Pesticides in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		MW-2	MW-3	MW-3	MW-3	MW-3
			Sample Date:		09/19/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017
			Sample Depth (ft bls):		15 - 17	0 - 2	5 - 7	12.5 - 14.5	15 - 17
			Normal or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	0.005	0.097	0.19	MG/KG	0.00194 U	0.0017 U	0.00184 U	0.00183 U	0.00209 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.00081 U	0.00071 U	0.000765 U	0.000761 U	0.000872 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00194 U	0.0017 U	0.00184 U	0.00183 U	0.00209 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00194 U	0.0017 U	0.00184 U	0.00183 U	0.00209 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00194 U	0.0017 U	0.00184 U	0.00183 U	0.00209 U
Chlordane	--	--	--	MG/KG	0.0158 U	0.0138 U	0.0149 U	0.0148 U	0.017 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00243 U	0.00213 U	0.00229 U	0.00228 U	0.00262 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00194 U	0.0017 U	0.00184 U	0.00183 U	0.00209 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.00121 U	0.00156 UV	0.00115 U	0.00114 U	0.00131 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.00081 U	0.00071 U	0.000765 U	0.000761 U	0.000872 U
Endrin	0.014	11	0.06	MG/KG	0.00081 U	0.00071 U	0.000765 U	0.000761 U	0.000872 U
Endrin Aldehyde	--	--	--	MG/KG	0.00243 U	0.00213 U	0.00229 U	0.00228 U	0.00262 U
Endrin Ketone	--	--	--	MG/KG	0.00194 U	0.0017 U	0.00184 U	0.00183 U	0.00209 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.00081 U	0.00071 U	0.000765 U	0.000761 U	0.000872 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000972 U	0.000852 U	0.000918 U	0.000914 U	0.00105 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00364 U	0.0032 U	0.00344 U	0.00343 U	0.00393 U
Methoxychlor	--	--	--	MG/KG	0.00364 U	0.0032 U	0.00344 U	0.00343 U	0.00393 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.00194 U	0.0017 U	0.00184 U	0.00183 U	0.00209 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00194 U	0.00163 JV	0.00184 U	0.00183 U	0.00209 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00364 U	0.0032 U	0.00344 U	0.00343 U	0.00393 U
Toxaphene	--	--	--	MG/KG	0.0364 U	0.032 U	0.0344 U	0.0343 U	0.0393 U
trans-Chlordane	--	--	--	MG/KG	0.00243 U	0.00213 UV	0.00229 U	0.00228 U	0.00262 U

Table 5. Summary of Pesticides in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		MW-3	MW-4	MW-4	MW-5	MW-5
			Sample Date:		09/20/2017	09/27/2017	09/27/2017	09/18/2017	09/19/2017
			Sample Depth (ft bls):		5 - 7	2.5 - 4.5	8 - 10	0 - 2	5 - 7
			Normal or Field Duplicate:		FD	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	0.005	0.097	0.19	MG/KG	0.00189 U	0.0016 U	0.00207 U	0.00175 U	0.00185 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000788 U	0.000667 U	0.000863 U	0.00073 U	0.000772 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00189 U	0.0016 U	0.00207 U	0.00175 U	0.00185 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00189 U	0.0016 U	0.00207 U	0.00175 U	0.00185 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00189 U	0.0016 U	0.00207 U	0.00175 U	0.00185 U
Chlordane	--	--	--	MG/KG	0.0154 U	0.013 U	0.0168 U	0.0142 U	0.015 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00236 U	0.002 U	0.00259 U	0.00219 U	0.00232 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00189 U	0.0016 U	0.0015 JV	0.00175 UV	0.00185 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.00118 U	0.001 U	0.0013 U	0.00109 U	0.00116 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000788 U	0.000667 U	0.000863 U	0.00073 U	0.000772 U
Endrin	0.014	11	0.06	MG/KG	0.000788 U	0.000667 U	0.000863 U	0.000541 J	0.000772 U
Endrin Aldehyde	--	--	--	MG/KG	0.00236 U	0.002 U	0.00259 U	0.00219 U	0.00232 U
Endrin Ketone	--	--	--	MG/KG	0.00189 U	0.0016 U	0.00207 U	0.00175 U	0.00185 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000788 U	0.000667 U	0.000863 U	0.00073 U	0.000772 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000946 U	0.0008 U	0.00104 U	0.000876 U	0.000926 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00355 U	0.003 U	0.00388 U	0.00328 UV	0.00347 U
Methoxychlor	--	--	--	MG/KG	0.00355 U	0.003 U	0.00388 U	0.00328 U	0.00347 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.00189 U	0.0016 U	0.00207 U	0.000879 J	0.00185 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00189 U	0.0016 UV	0.00207 U	0.00175 UV	0.00185 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00355 U	0.00585 UV	0.00388 U	0.00333 UV	0.00347 U
Toxaphene	--	--	--	MG/KG	0.0355 U	0.03 U	0.0388 U	0.0328 U	0.0347 U
trans-Chlordane	--	--	--	MG/KG	0.00236 U	0.002 UV	0.00259 U	0.00219 U	0.00232 U

Table 5. Summary of Pesticides in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		MW-5	MW-5	SB-1	SB-1	SB-10
			Sample Date:		09/19/2017	09/19/2017	09/27/2017	09/27/2017	09/18/2017
			Sample Depth (ft bls):		10 - 12	15 - 17	2.5 - 4.5	10 - 12	0 - 2
			Normal or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	0.005	0.097	0.19	MG/KG	0.00184 U	0.00186 U	0.00174 U	0.00207 U	0.00173 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000769 U	0.000777 U	0.000724 U	0.000862 U	0.000721 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00184 U	0.00186 U	0.00174 U	0.00207 U	0.00173 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00184 U	0.00186 U	0.00174 U	0.00207 U	0.00173 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00184 U	0.00186 U	0.00174 U	0.00207 U	0.00173 U
Chlordane	--	--	--	MG/KG	0.015 U	0.0151 U	0.0141 U	0.0168 U	0.0141 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.0023 U	0.00233 U	0.000899 JV	0.00258 U	0.00216 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00184 U	0.00186 U	0.00174 U	0.000809 J	0.00173 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.00115 U	0.00116 U	0.00109 UV	0.00129 U	0.00108 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000769 U	0.000777 U	0.00328 JV	0.000862 U	0.000721 U
Endrin	0.014	11	0.06	MG/KG	0.000769 U	0.000777 U	0.000724 U	0.000862 U	0.000721 U
Endrin Aldehyde	--	--	--	MG/KG	0.0023 U	0.00233 U	0.00217 U	0.00258 U	0.00216 U
Endrin Ketone	--	--	--	MG/KG	0.00184 U	0.00186 U	0.00174 U	0.00207 U	0.00173 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000769 U	0.000777 U	0.000724 U	0.000862 U	0.000721 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000922 U	0.000932 U	0.000869 U	0.00103 U	0.000866 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00346 U	0.0035 U	0.00326 U	0.00388 U	0.00325 U
Methoxychlor	--	--	--	MG/KG	0.00346 U	0.0035 U	0.00326 U	0.00388 U	0.00325 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.00184 U	0.00186 U	**0.00732**	0.00207 U	0.00173 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00184 U	0.00186 U	**0.021**	0.00207 U	0.00173 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00346 U	0.0035 U	**0.0423 JV**	0.00388 U	0.00325 U
Toxaphene	--	--	--	MG/KG	0.0346 U	0.035 U	0.0326 U	0.0388 U	0.0325 U
trans-Chlordane	--	--	--	MG/KG	0.0023 U	0.00233 U	0.00217 UV	0.00258 U	0.00216 U

Table 5. Summary of Pesticides in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-10	SB-10	SB-10	SB-11	SB-11
			Sample Date:		09/18/2017	09/18/2017	09/18/2017	09/29/2017	09/29/2017
			Sample Depth (ft bls):		5 - 7	12 - 14	18 - 20	0 - 2	3 - 5
			Normal or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	0.005	0.097	0.19	MG/KG	0.00185 U	0.00186 U	0.00177 U	0.00173 U	0.00937 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000771 U	0.000776 U	0.000736 U	0.00072 U	0.0039 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00185 U	0.00186 U	0.00177 U	0.00173 U	0.00937 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00185 U	0.00186 U	0.00177 U	0.00173 U	0.00937 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00156 JPI	0.00186 U	0.00177 U	0.00173 U	0.00937 U
Chlordane	--	--	--	MG/KG	0.015 U	0.0151 U	0.0144 U	0.014 U	0.0761 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00231 U	0.00233 U	0.00221 U	0.00216 U	0.0117 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00185 U	0.00186 U	0.00177 U	0.00173 U	0.00937 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.00116 U	0.00116 U	0.0011 U	0.00108 U	0.00586 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000771 U	0.000776 U	0.000736 U	0.00072 U	0.0039 U
Endrin	0.014	11	0.06	MG/KG	0.000771 U	0.000776 U	0.000736 U	0.00072 U	0.0039 U
Endrin Aldehyde	--	--	--	MG/KG	0.00231 U	0.00233 U	0.00221 U	0.00216 U	0.0117 U
Endrin Ketone	--	--	--	MG/KG	0.00185 U	0.00186 U	0.00177 U	0.00173 U	0.00937 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000771 U	0.000776 U	0.000736 U	0.00072 U	0.0039 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000925 U	0.000931 U	0.000883 U	0.000864 U	0.00468 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00347 U	0.00349 U	0.00331 U	0.00324 U	0.0176 U
Methoxychlor	--	--	--	MG/KG	0.00347 U	0.00349 U	0.00331 U	0.00324 U	0.0176 U
P,P'-DDD	**0.0033**	13	14	MG/KG	**0.00425**	0.00186 U	0.00177 U	0.00173 U	0.00937 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00185 U	0.00186 U	0.00177 U	0.00173 UV	0.00937 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00347 U	0.00349 U	0.00331 U	0.00324 U	0.0176 U
Toxaphene	--	--	--	MG/KG	0.0347 U	0.0349 U	0.0331 U	0.0324 U	0.176 U
trans-Chlordane	--	--	--	MG/KG	0.00231 U	0.00233 U	0.00221 U	0.00216 U	0.0117 U

Table 5. Summary of Pesticides in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-11	SB-12	SB-12	SB-2	SB-2
			Sample Date:		09/29/2017	09/29/2017	09/29/2017	09/20/2017	09/20/2017
			Sample Depth (ft bls):		15 - 17	0 - 2	15 - 17	0 - 2	5 - 7
			Normal or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	0.005	0.097	0.19	MG/KG	0.00193 U	0.00183 U	0.00183 U	0.00171 U	0.0017 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000804 U	0.000761 U	0.000764 U	0.000714 U	0.000708 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00193 U	0.00183 U	0.00183 U	0.00171 U	0.0017 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00193 U	0.00183 U	0.00183 U	0.00171 U	0.0017 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00193 U	0.00183 U	0.00183 U	0.00171 U	0.0017 U
Chlordane	--	--	--	MG/KG	0.0157 U	0.0148 U	0.0149 U	0.0139 U	0.0138 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00241 U	0.00228 U	0.00229 U	0.00113 JV	0.00212 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00193 U	0.00183 U	0.00183 U	0.00171 U	0.0017 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.0012 U	0.00114 U	0.00115 U	0.00107 U	0.00106 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000804 U	0.000761 U	0.000764 U	0.000714 U	0.000708 U
Endrin	0.014	11	0.06	MG/KG	0.000804 U	0.000761 U	0.000764 U	0.000714 U	0.000708 U
Endrin Aldehyde	--	--	--	MG/KG	0.00241 U	0.00228 U	0.00229 U	0.00214 U	0.00212 U
Endrin Ketone	--	--	--	MG/KG	0.00193 U	0.00183 U	0.00183 U	0.00171 U	0.0017 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000804 U	0.000761 U	0.000764 U	0.000714 U	0.000708 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000964 U	0.000913 U	0.000917 U	0.000857 U	0.00085 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00362 U	0.00342 U	0.00344 U	0.00321 U	0.00318 U
Methoxychlor	--	--	--	MG/KG	0.00362 U	0.00342 U	0.00344 U	0.00321 U	0.00318 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.00193 U	0.00183 U	0.00183 U	0.00171 U	0.0017 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00193 U	0.00183 U	0.00183 U	0.00171 U	0.0017 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00362 U	0.00342 U	0.00344 U	0.00321 UV	0.00318 U
Toxaphene	--	--	--	MG/KG	0.0362 U	0.0342 U	0.0344 U	0.0321 U	0.0318 U
trans-Chlordane	--	--	--	MG/KG	0.00241 U	0.00228 U	0.00229 U	0.00214 UV	0.00212 U

Table 5. Summary of Pesticides in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-2	SB-2	SB-3	SB-3	SB-3
			Sample Date:		09/20/2017	09/20/2017	09/18/2017	09/19/2017	09/19/2017
			Sample Depth (ft bls):		10 - 12	15 - 17	0 - 2	5 - 7	10 - 12
			Normal or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	0.005	0.097	0.19	MG/KG	0.00177 U	0.00195 U	0.00164 U	0.00171 U	0.00194 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000738 U	0.000383 J	0.000683 U	0.000713 U	0.00081 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00177 U	0.00195 U	0.00164 U	0.00171 U	0.00194 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00177 U	0.00195 U	0.00164 U	0.00171 U	0.00194 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00177 U	0.00195 U	0.00164 U	0.00171 U	0.00194 U
Chlordane	--	--	--	MG/KG	0.0144 U	0.0158 U	0.0133 U	0.0139 U	0.0158 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00221 U	0.00244 U	0.00205 U	0.00214 U	0.00243 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00177 U	0.00195 U	0.00164 U	0.00171 U	0.00194 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.00111 U	0.00122 U	0.00102 U	0.00107 U	0.00121 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000738 U	0.000812 U	0.000683 U	0.000713 U	0.00081 U
Endrin	0.014	11	0.06	MG/KG	0.000738 U	0.000812 U	0.000683 U	0.000713 U	0.00081 U
Endrin Aldehyde	--	--	--	MG/KG	0.00221 U	0.00244 U	0.00205 U	0.00214 U	0.00243 U
Endrin Ketone	--	--	--	MG/KG	0.00177 U	0.00195 U	0.00164 U	0.00171 U	0.00194 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000738 U	0.000812 U	0.000683 U	0.000713 U	0.00081 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000886 U	0.000974 U	0.00082 U	0.000856 U	0.000971 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00332 U	0.00365 U	0.00307 U	0.00321 U	0.00364 U
Methoxychlor	--	--	--	MG/KG	0.00332 U	0.00365 U	0.00307 U	0.00321 U	0.00364 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.00177 U	0.00195 U	0.00164 U	0.00171 U	0.00194 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00177 U	0.00195 U	0.00164 U	0.00171 U	0.00194 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00332 U	0.00365 U	0.00307 U	0.00321 U	0.00364 U
Toxaphene	--	--	--	MG/KG	0.0332 U	0.0365 U	0.0307 U	0.0321 U	0.0364 U
trans-Chlordane	--	--	--	MG/KG	0.00221 U	0.00244 U	0.00205 U	0.00214 U	0.00243 U

Table 5. Summary of Pesticides in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-3	SB-4	SB-4	SB-5	SB-5
			Sample Date:		09/19/2017	09/27/2017	09/27/2017	09/27/2017	09/27/2017
			Sample Depth (ft bls):		15 - 17	2.5 - 4.5	8 - 10	2.5 - 4.5	9 - 11
			Normal or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	0.005	0.097	0.19	MG/KG	0.00186 U	0.00163 U	0.00187 U	0.00177 U	0.00188 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000774 U	0.000679 U	0.00078 U	0.000739 U	0.000785 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00186 U	0.00163 U	0.00187 U	0.00177 U	0.00188 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00186 U	0.00163 U	0.00187 U	0.00177 U	0.00188 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00186 U	0.00163 U	0.00187 U	0.00177 U	0.00188 U
Chlordane	--	--	--	MG/KG	0.0151 U	0.0132 U	0.0152 U	0.0144 U	0.0153 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00232 U	0.00219	0.00234 U	0.00222 U	0.00235 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00186 U	0.00163 U	0.0012 J	0.00177 U	0.00122 NJV
Dieldrin	0.005	0.2	0.1	MG/KG	0.00116 U	0.00189	0.00117 U	0.00204	0.00118 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000774 U	0.000679 U	0.00078 U	0.000739 U	0.000785 U
Endrin	0.014	11	0.06	MG/KG	0.000774 U	0.000679 U	0.00078 U	0.000739 U	0.000785 U
Endrin Aldehyde	--	--	--	MG/KG	0.00232 U	0.00204 U	0.00234 U	0.00222 U	0.00235 U
Endrin Ketone	--	--	--	MG/KG	0.00186 U	0.00163 U	0.00187 U	0.00177 U	0.00188 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000774 U	0.000679 U	0.00078 U	0.000739 U	0.000785 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000929 U	0.000815 U	0.000936 U	0.000886 U	0.000942 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00348 U	0.00306 U	0.00351 U	0.00332 U	0.00353 U
Methoxychlor	--	--	--	MG/KG	0.00348 U	0.00306 U	0.00351 U	0.00332 U	0.00353 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.00186 U	**0.00403**	0.00187 U	0.00128 J	0.00188 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00186 U	**0.0424**	0.00187 U	**0.0271**	0.00188 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00348 U	**0.187**	0.00351 U	**0.0459**	0.00353 U
Toxaphene	--	--	--	MG/KG	0.0348 U	0.0306 U	0.0351 U	0.0332 U	0.0353 U
trans-Chlordane	--	--	--	MG/KG	0.00232 U	0.00212 UV	0.00234 U	0.00222 UV	0.00235 U

Table 5. Summary of Pesticides in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-6	SB-6	SB-6	SB-6	SB-7
			Sample Date:		09/18/2017	09/19/2017	09/19/2017	09/19/2017	09/27/2017
			Sample Depth (ft bls):		0 - 2	5 - 7	11.5 - 13.5	15 - 17	2.5 - 4.5
			Normal or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	0.005	0.097	0.19	MG/KG	0.00171 U	0.0018 U	0.0019 U	0.0019 U	0.00176 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000712 U	0.000749 U	0.00079 U	0.00079 U	0.000731 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00171 U	0.0018 U	0.0019 U	0.0019 U	0.00176 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00171 U	0.0018 U	0.0019 U	0.0019 U	0.00176 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00171 U	0.0018 U	0.0019 U	0.0019 U	0.00176 U
Chlordane	--	--	--	MG/KG	0.0139 U	0.0146 U	0.0154 U	0.0154 U	0.0142 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.0009 J	0.00225 U	0.00237 U	0.00237 U	0.00219 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00171 U	0.0018 U	0.0019 U	0.0019 U	0.00176 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.00107 U	0.00112 U	0.00118 U	0.00118 U	0.0011 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000712 U	0.000749 U	0.00079 U	0.00079 U	0.000731 U
Endrin	0.014	11	0.06	MG/KG	0.000712 U	0.000749 U	0.00079 U	0.00079 U	0.000731 U
Endrin Aldehyde	--	--	--	MG/KG	0.00213 U	0.00225 U	0.00237 U	0.00237 U	0.00219 U
Endrin Ketone	--	--	--	MG/KG	0.00171 U	0.0018 U	0.0019 U	0.0019 U	0.00176 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000712 U	0.000749 U	0.00079 U	0.00079 U	0.000731 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000854 U	0.000899 U	0.000948 U	0.000948 U	0.000878 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0032 U	0.00337 U	0.00356 U	0.00355 U	0.00329 U
Methoxychlor	--	--	--	MG/KG	0.0032 U	0.00337 U	0.00356 U	0.00355 U	0.00329 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.00171 U	0.0018 U	0.0019 U	0.0019 U	0.00131 J
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00133 J	0.0018 U	0.0019 U	0.0019 U	**0.0199**
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00184 J	0.00337 U	0.00356 U	0.00355 U	**0.0455 JV**
Toxaphene	--	--	--	MG/KG	0.032 U	0.0337 U	0.0356 U	0.0355 U	0.0329 U
trans-Chlordane	--	--	--	MG/KG	0.00213 U	0.00225 U	0.00237 U	0.00237 U	0.00219 UV

Table 5. Summary of Pesticides in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-7	SB-8	SB-8	SB-8	SB-8
			Sample Date:		09/27/2017	09/20/2017	09/20/2017	09/20/2017	09/20/2017
			Sample Depth (ft bls):		10 - 12	0 - 2	5 - 7	10 - 12	15 - 17
			Normal or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	0.005	0.097	0.19	MG/KG	0.00186 U	0.00168 U	0.00178 U	0.00191 U	0.00194 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000774 U	0.000702 U	0.000743 U	0.000797 U	0.00081 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00186 U	0.00168 U	0.00178 U	0.00191 U	0.00194 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00186 U	0.00168 U	0.00178 U	0.00191 U	0.00194 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00186 U	0.00214	0.00178 U	0.00191 U	0.00194 U
Chlordane	--	--	--	MG/KG	0.0151 U	0.0137 U	0.0145 U	0.0155 U	0.0158 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00232 U	0.00211 U	0.00223 U	0.00239 U	0.00243 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00122 NJV	0.00168 U	0.00178 U	0.00191 U	0.00194 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.00116 U	0.00131 UV	0.00111 U	0.0012 U	0.00121 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000774 U	0.000702 U	0.000743 U	0.000797 U	0.00081 U
Endrin	0.014	11	0.06	MG/KG	0.000774 U	0.000702 U	0.000743 U	0.000797 U	0.00081 U
Endrin Aldehyde	--	--	--	MG/KG	0.00232 U	0.00211 U	0.00223 U	0.00239 U	0.00243 U
Endrin Ketone	--	--	--	MG/KG	0.00186 U	0.00168 U	0.00178 U	0.00191 U	0.00194 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000774 U	0.000702 U	0.000743 U	0.000797 U	0.00081 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000929 U	0.000843 U	0.000892 U	0.000956 U	0.000972 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00348 U	0.00316 U	0.00334 U	0.00359 U	0.00364 U
Methoxychlor	--	--	--	MG/KG	0.00348 U	0.00316 U	0.00334 U	0.00359 U	0.00364 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.00186 U	0.00168 U	0.00178 U	0.00191 U	0.00194 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00186 U	0.00168 U	0.00178 U	0.00191 U	0.00194 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00348 U	0.00316 U	0.00334 U	0.00359 U	0.00364 U
Toxaphene	--	--	--	MG/KG	0.0348 U	0.0316 U	0.0334 U	0.0359 U	0.0364 U
trans-Chlordane	--	--	--	MG/KG	0.00232 U	0.00211 U	0.00223 U	0.00239 U	0.00243 U

Table 5. Summary of Pesticides in Soil,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:		SB-9	SB-9	SB-9	SB-9
			Sample Date:		09/18/2017	09/19/2017	09/19/2017	09/19/2017
			Sample Depth (ft bls):		0 - 2	8 - 10	10 - 12	15 - 17
			Normal or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit				
Aldrin	0.005	0.097	0.19	MG/KG	0.00164 U	0.00177 U	0.00173 U	0.00192 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000683 U	0.000739 U	0.000722 U	0.000799 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00164 U	0.00177 U	0.00173 U	0.00192 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00164 U	0.00177 U	0.00173 U	0.00192 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00164 U	0.00177 U	0.00173 U	0.00192 U
Chlordane	--	--	--	MG/KG	0.0133 U	0.0144 U	0.0141 U	0.0156 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00205 U	0.00222 U	0.00216 U	0.0024 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00164 U	0.00177 U	0.00173 U	0.00192 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.00102 U	0.00111 U	0.00108 U	0.0012 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000683 U	0.000739 U	0.000722 U	0.000799 U
Endrin	0.014	11	0.06	MG/KG	0.000683 U	0.000739 U	0.000722 U	0.000799 U
Endrin Aldehyde	--	--	--	MG/KG	0.00205 U	0.00222 U	0.00216 U	0.0024 U
Endrin Ketone	--	--	--	MG/KG	0.00164 U	0.00177 U	0.00173 U	0.00192 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000683 U	0.000739 U	0.000722 U	0.000799 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.00082 U	0.000887 U	0.000866 U	0.000958 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00307 U	0.00333 U	0.00325 U	0.00359 U
Methoxychlor	--	--	--	MG/KG	0.00307 U	0.00333 U	0.00325 U	0.00359 U
P,P'-DDD	**0.0033**	13	14	MG/KG	**0.00883**	0.00177 U	0.00173 U	0.00192 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00117 JPI	0.00177 U	0.00173 U	0.00192 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00307 U	0.00333 U	0.00325 U	0.00359 U
Toxaphene	--	--	--	MG/KG	0.0307 U	0.0333 U	0.0325 U	0.0359 U
trans-Chlordane	--	--	--	MG/KG	0.00205 U	0.00222 U	0.00216 U	0.0024 U

Table 6. Summary of Volatile Organic Compounds in Groundwater, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:	MW-1	MW-2	MW-3	MW-3	MW-4	MW-5
			Sample Date:	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017
			Normal or Field Duplicate:	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit						
1,1,1,2-Tetrachloroethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	--	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	--	UG/L	250 URV	250 URV	250 URV	250 URV	250 URV	250 URV
2,2-Dichloropropane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	--	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	--	50	UG/L	5 UV	5 U	5 U	5 UV	5 UV	5 U
Acrylonitrile	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 6. Summary of Volatile Organic Compounds in Groundwater, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:	MW-1	MW-2	MW-3	MW-3	MW-4	MW-5
			Sample Date:	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017
			Normal or Field Duplicate:	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit						
Bromobenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	--	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	--	50	UG/L	2 UJV	2 UJV	2 UJV	2 UJV	2 UJV	2 UJV
Bromomethane	5	--	UG/L	2.5 UJV	2.5 UJV	2.5 UJV	2.5 UJV	2.5 UJV	2.5 UJV
Carbon Disulfide	--	60	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	--	UG/L	2.5 U	5.6	1 J	0.76 J	2.5 U	2.5 U
Chloromethane	--	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	--	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	--	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	--	10	UG/L	2.5 UJV	2.5 UJV	2.5 UJV	2.5 UJV	2.5 UJV	2.5 UJV
N-Butylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 6. Summary of Volatile Organic Compounds in Groundwater, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:	MW-1	MW-2	MW-3	MW-3	MW-4	MW-5
			Sample Date:	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017
			Normal or Field Duplicate:	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit						
Styrene	5	--	UG/L	2.5 UJV	2.5 UJV	2.5 UJV	2.5 UJV	2.5 UJV	2.5 UJV
T-Butylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	--	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/L	2.5 UJV	2.5 UJV	2.5 UJV	2.5 UJV	2.5 UJV	2.5 UJV
Trichloroethylene (TCE)	5	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:	MW-1	MW-2	MW-3	MW-3	MW-4	MW-5
			Sample Date:	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017
			Normal or Field Duplicate:	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit						
1,2,4,5-Tetrachlorobenzene	--	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	--	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	--	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	--	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	--	10	UG/L	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	--	10	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	--	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Methylphenol (O-Cresol)	--	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitroaniline	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	--	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
3- And 4- Methylphenol (Total)	--	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	--	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	--	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	--	20	UG/L	0.07 J	0.1 U	0.1 U	0.1 U	0.12	0.1 U
Acenaphthylene	--	20	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acetophenone	--	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	--	50	UG/L	0.04 J	0.1 U	0.1 U	0.1 U	0.04 J	0.1 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

				Sample Designation:	MW-1	MW-2	MW-3	MW-3	MW-4	MW-5
				Sample Date:	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017
				Normal or Field Duplicate:	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit							
Benzo(A)Anthracene	--	**0.002**	UG/L	**0.02 J**	0.1 U	0.1 U	0.1 U	**0.04 J**	**0.02 J**
Benzo(A)Pyrene	**0**	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	**0.06 J**	0.1 U
Benzo(B)Fluoranthene	--	**0.002**	UG/L	**0.02 J**	0.1 U	0.1 U	0.1 U	**0.03 J**	0.1 U
Benzo(G,H,I)Perylene	--	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(K)Fluoranthene	--	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzoic Acid	--	--	UG/L	50 U	50 U	50 U	50 U	50 U	50 U
Benzyl Alcohol	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Benzyl Butyl Phthalate	--	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	--	UG/L	3 U	3 U	3 U	3 U	3 U	3 U
Carbazole	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Chrysene	--	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenz(A,H)Anthracene	--	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzofuran	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Diethyl Phthalate	--	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Dimethyl Phthalate	--	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Octylphthalate	--	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	--	50	UG/L	0.09 J	0.1 U	0.1 U	0.1 U	0.08 J	0.1 U
Fluorene	--	50	UG/L	0.06 J	0.1 U	0.1 U	0.1 U	0.05 J	0.1 U
Hexachlorobenzene	0.04	--	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	--	UG/L	20 U	20 U	20 U	20 U	20 U	20 U
Hexachloroethane	5	--	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	--	**0.002**	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	**0.06 J**	0.1 U
Isophorone	--	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	--	10	UG/L	0.1 UV	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Nitrobenzene	0.4	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	--	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:	MW-1	MW-2	MW-3	MW-3	MW-4	MW-5
			Sample Date:	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017
			Normal or Field Duplicate:	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit						
N-Nitrosodiphenylamine	--	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	1	--	UG/L	0.8 UJV	0.8 UJV	0.8 UJV	0.8 UJV	0.8 UJV	0.8 UJV
Phenanthrene	--	50	UG/L	0.16	0.02 J	0.03 J	0.03 J	0.14	0.04 J
Phenol	1	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Pyrene	--	50	UG/L	0.08 J	0.1 U	0.1 U	0.1 U	0.07 J	0.15

Table 8. Summary of Metals in Groundwater,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:	MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	MW-3
			Sample Date:	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017
			Normal or Field Duplicate:	N	N	N	N	N	N	FD
				Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit							
Aluminum	--	--	UG/L	3.86 J	128	11.3	1070	7.32 J	55.6	7.94 J
Antimony	**3**	--	UG/L	4 U	4 U	0.51 J	4 U	4 U	4 U	4 U
Arsenic	25	--	UG/L	5	5.58	0.61	0.94	0.52	0.59	0.5
Barium	1000	--	UG/L	577	577.4	126.1	135.4	100.8	96.39	101.4
Beryllium	--	3	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	5	--	UG/L	0.2 U	0.2 U	0.18 J	0.23	0.2 U	0.2 U	0.2 U
Calcium	--	--	UG/L	283000	277000	32400	30400	67000	61300	66600
Chromium, Total	50	--	UG/L	0.74 J	1 UV	0.26 J	3.78	0.31 J	1 UV	0.32 J
Cobalt	--	--	UG/L	1.3	1.14	9.21	10.52	3.7	3.66	3.69
Copper	200	--	UG/L	1 U	0.85 J	1.88	4.83	0.89 J	0.82 J	0.7 J
Iron	**300**	--	UG/L	**35400**	**34800**	126	**1850**	**332**	**421**	**365**
Lead	25	--	UG/L	1 U	2.18	1 U	1.42	1 U	1 U	1 U
Magnesium	--	**35000**	UG/L	**103000**	**104000**	7660	7440	**36800**	34200	**36100**
Manganese	**300**	--	UG/L	**2153**	**1992**	**3039**	**2848**	**4574**	**4220**	**4555**
Mercury	0.7	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 UV	0.2 U	0.2 U	0.2 U
Nickel	100	--	UG/L	4.89	5.08	8.93	10.18	2.81	2.53	2.5
Potassium	--	--	UG/L	62900	63700	10700	10500	8560	7640	8240
Selenium	10	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Silver	50	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Sodium	**20000**	--	UG/L	**986000**	**978000**	**47300**	**50000**	**79300**	**72800**	**76900**
Thallium	--	0.5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vanadium	--	--	UG/L	1.83 J	2.27 J	5 U	3.72 J	5 U	5 U	5 U
Zinc	--	2000	UG/L	4.22 J	3.72 J	10.64	20.67	10 U	10 U	10 U

Table 8. Summary of Metals in Groundwater,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:	MW-3	MW-4	MW-4	MW-5	MW-5
			Sample Date:	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017
			Normal or Field Duplicate:	FD	N	N	N	N
				Total	Dissolved	Total	Dissolved	Total
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit					
Aluminum	--	--	UG/L	57.2	6.86 J	1450	21.7	300
Antimony	**3**	--	UG/L	4 U	4 U	4 U	2.14 J	**4.11**
Arsenic	25	--	UG/L	0.62	7.38	9.63	0.38 J	0.55
Barium	1000	--	UG/L	101.2	391.9	400.9	103.2	110.7
Beryllium	--	3	UG/L	0.5 U	0.5 U	0.14 J	0.5 U	0.5 U
Cadmium	5	--	UG/L	0.2 U	0.2 U	0.2 U	0.06 J	0.2 U
Calcium	--	--	UG/L	64000	184000	172000	53100	53900
Chromium, Total	50	--	UG/L	1 UV	0.33 J	4.11	0.29 J	1.22
Cobalt	--	--	UG/L	3.86	1.56	3.19	1.13	1.44
Copper	200	--	UG/L	0.7 J	1 U	9.47	1.46	1.79
Iron	**300**	--	UG/L	**435**	**12600**	**14700**	34.5 J	**690**
Lead	25	--	UG/L	1 U	1 U	20.24	1 U	0.95 J
Magnesium	--	**35000**	UG/L	**35700**	**86800**	**83300**	12200	13000
Manganese	**300**	--	UG/L	**4270**	**1158**	**1077**	**1297**	**1383**
Mercury	0.7	--	UG/L	0.2 U	0.2 U	0.2 UV	0.2 U	0.2 UV
Nickel	100	--	UG/L	2.35	4.6	7.4	1.44 J	1.62 J
Potassium	--	--	UG/L	8150	33900	32500	3810	3870
Selenium	10	--	UG/L	5 U	5 U	5 U	5 U	5 U
Silver	50	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Sodium	**20000**	--	UG/L	**74900**	**642000**	**604000**	**140000**	**146000**
Thallium	--	0.5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vanadium	--	--	UG/L	5 U	5 U	6.75	5 U	2.26 J
Zinc	--	2000	UG/L	10 U	18.49	42.64	10 U	10 U

Table 9. Summary of Polychlorinated Biphenyls in Groundwater, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:	MW-1	MW-2	MW-3	MW-3	MW-4	MW-5
			Sample Date:	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017
			Normal or Field Duplicate:	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1221 (Aroclor 1221)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1232 (Aroclor 1232)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1242 (Aroclor 1242)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1248 (Aroclor 1248)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1254 (Aroclor 1254)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1260 (Aroclor 1260)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1262 (Aroclor 1262)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1268 (Aroclor 1268)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Polychlorinated Biphenyl (PCBs)	0.09	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U

Table 10. Summary of Pesticides in Groundwater,
Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

			Sample Designation:	MW-1	MW-2	MW-3	MW-3	MW-4	MW-5
			Sample Date:	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017	10/05/2017
			Normal or Field Duplicate:	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit						
Aldrin	0	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	--	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Endosulfan	--	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	--	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta Endosulfan	--	--	UG/L	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Chlordane	0.05	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-Chlordane	--	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	--	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	--	UG/L	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endosulfan Sulfate	--	--	UG/L	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin	0	--	UG/L	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin Aldehyde	5	--	UG/L	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin Ketone	--	--	UG/L	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Gamma Bhc (Lindane)	--	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	0.03	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Methoxychlor	35	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
P,P'-DDD	0.3	--	UG/L	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
P,P'-DDE	0.2	--	UG/L	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
P,P'-DDT	0.2	--	UG/L	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Toxaphene	0.06	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-Chlordane	--	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

Table 11. Summary of Volatile Organic Compounds in Soil Vapor, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

Sample Designation:		SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8
Sample Date:		09/28/2017	09/28/2017	09/28/2017	09/28/2017	09/28/2017	09/28/2017	09/28/2017	09/28/2017
Normal or Field Duplicate:		N	N	N	N	N	N	N	N
Parameter	Units								
1,1,1-Trichloroethane (TCA)	UG/M3	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	**1.36**
1,1,2,2-Tetrachloroethane	UG/M3	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
1,1,2-Trichloroethane	UG/M3	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	UG/M3	0.809 U	0.809 U	**2.24**	0.809 U	**4.53**	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	UG/M3	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
1,2,4-Trichlorobenzene	UG/M3	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	**2**	1.48 U	1.48 U
1,2,4-Trimethylbenzene	UG/M3	**1.1**	**1.12**	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	**1.25**
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	UG/M3	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	UG/M3	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/M3	**2.54**	**2.53**	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**1.7**
1,4-Dioxane (P-Dioxane)	UG/M3	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	UG/M3	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
2-Hexanone	UG/M3	0.82 U	0.82 U	**5.61**	**3.03**	**3.37**	**1.84**	**1.95**	0.82 U
4-Ethyltoluene	UG/M3	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
Acetone	UG/M3	**17.9**	**22**	**5.96**	**4.85**	2.38 U	**3.71**	**3.37**	2.38 U
Allyl Chloride (3-Chloropropene)	UG/M3	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
Benzene	UG/M3	0.639 U	**0.952**	0.639 U	0.639 U	0.639 U	0.639 U	0.639 U	**1.76**
Benzyl Chloride	UG/M3	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	UG/M3	1.34 U	**15.3**	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	UG/M3	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	UG/M3	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon Disulfide	UG/M3	0.623 U	**4.33**	**1.49**	**0.657**	**1.11**	0.623 U	**1.15**	**6.63**
Carbon Tetrachloride	UG/M3	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U
Chlorobenzene	UG/M3	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	UG/M3	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	UG/M3	**40**	**237**	**27.9**	**5.13**	**8.79**	**1.41**	0.977 U	**16**
Chloromethane	UG/M3	0.413 U	**1.2**	**2.13**	0.413 U	**0.956**	0.413 U	0.413 U	**0.475**
Cis-1,2-Dichloroethylene	UG/M3	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U

Table 11. Summary of Volatile Organic Compounds in Soil Vapor, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

Sample Designation:		SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8
Sample Date:		09/28/2017	09/28/2017	09/28/2017	09/28/2017	09/28/2017	09/28/2017	09/28/2017	09/28/2017
Normal or Field Duplicate:		N	N	N	N	N	N	N	N
Parameter	Units								
Cis-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	UG/M3	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	**0.826**
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	0.989 U	**1.08**	**1.13**	**1.35**	0.989 U	**2.56**	**1.77**	**1.63**
Ethanol	UG/M3	9.42 U	**10.6**	9.42 U	9.42 U	9.42 U	9.42 U	9.42 U	9.42 U
Ethyl Acetate	UG/M3	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethylbenzene	UG/M3	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	**2.34**	0.869 U
Hexachlorobutadiene	UG/M3	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U
Isopropanol	UG/M3	**20.3**	**14**	1.23 U	1.23 U	1.23 U	1.23 U	1.23 U	**7.87**
m,p-Xylene	UG/M3	1.74 U	1.74 U	1.74 U	**1.82**	1.74 U	**2.82**	**10**	**2.2**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**2.26**	**3.24**	**7.08**	**3.27**	**4.63**	**3.92**	**3.04**	**2.16**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Methylene Chloride	UG/M3	1.74 U	**2.2**	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
N-Heptane	UG/M3	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
N-Hexane	UG/M3	**0.952**	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	**2.05**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	0.869 U	**1.02**	**0.916**	**1.01**	0.869 U	**1.46**	**4.25**	**1.18**
Styrene	UG/M3	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
Tert-Butyl Alcohol	UG/M3	**13.2**	**19.1**	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U	**5.82**
Tert-Butyl Methyl Ether	UG/M3	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
Tetrachloroethylene (PCE)	UG/M3	**2.79**	**195**	**26.5**	**69.2**	**22.8**	**52.4**	**99**	**11.3**
Tetrahydrofuran	UG/M3	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U
Toluene	UG/M3	**2.53**	**2.2**	**1.79**	**3.35**	**0.984**	**2.58**	**1.12**	**2.53**
Trans-1,2-Dichloroethene	UG/M3	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
Trans-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethylene (TCE)	UG/M3	**13.6**	**9.83**	1.07 U	1.07 U	1.07 U	1.07 U	1.07 U	**1.35**
Trichlorofluoromethane	UG/M3	**52.7**	**30.6**	**26.9**	**17.8**	**23.8**	**16.6**	**20.3**	**41.8**
Vinyl Bromide	UG/M3	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl Chloride	UG/M3	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U

Table 11. Summary of Volatile Organic Compounds in Soil Vapor, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

Sample Designation:		SV-9	SV-10	SV-10
Sample Date:		09/28/2017	09/28/2017	09/28/2017
Normal or Field Duplicate:		N	N	FD
Parameter	Units			
1,1,1-Trichloroethane (TCA)	UG/M3	**12.7**	1.09 UJV	**47.6 JV**
1,1,2,2-Tetrachloroethane	UG/M3	1.37 U	1.37 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	1.53 U	1.53 U	1.53 U
1,1,2-Trichloroethane	UG/M3	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	UG/M3	0.809 U	0.809 UJV	**13.4 JV**
1,1-Dichloroethene	UG/M3	0.793 U	0.793 U	**2.87**
1,2,4-Trichlorobenzene	UG/M3	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	UG/M3	0.983 U	0.983 U	0.983 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	UG/M3	0.924 U	0.924 U	0.924 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.983 U	0.983 U	0.983 U
1,3-Butadiene	UG/M3	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	0.721 U	0.721 U	**1.12**
2,2,4-Trimethylpentane	UG/M3	0.934 U	0.934 U	0.934 U
2-Hexanone	UG/M3	**14.4**	**10.7 JV**	**6.02 JV**
4-Ethyltoluene	UG/M3	0.983 U	0.983 U	0.983 U
Acetone	UG/M3	**5.06**	**4.8**	**5.49**
Allyl Chloride (3-Chloropropene)	UG/M3	0.626 U	0.626 U	0.626 U
Benzene	UG/M3	0.639 U	0.639 U	0.639 U
Benzyl Chloride	UG/M3	1.04 U	1.04 U	1.04 U
Bromodichloromethane	UG/M3	1.34 U	1.34 U	1.34 U
Bromoform	UG/M3	2.07 U	2.07 U	2.07 U
Bromomethane	UG/M3	0.777 U	0.777 U	0.777 U
Carbon Disulfide	UG/M3	0.623 U	**1.68**	**1.27**
Carbon Tetrachloride	UG/M3	1.26 U	1.26 U	1.26 U
Chlorobenzene	UG/M3	0.921 U	0.921 U	0.921 U
Chloroethane	UG/M3	0.528 U	0.528 UJV	**1.24 JV**
Chloroform	UG/M3	**10**	**1.38**	0.977 U
Chloromethane	UG/M3	0.413 U	0.413 U	0.413 U
Cis-1,2-Dichloroethylene	UG/M3	0.793 U	0.793 UJV	**116 JV**

Table 11. Summary of Volatile Organic Compounds in Soil Vapor, Greenpoint Ferry Site, Greenpoint, Brooklyn, New York

Sample Designation:		SV-9	SV-10	SV-10
Sample Date:		09/28/2017	09/28/2017	09/28/2017
Normal or Field Duplicate:		N	N	FD
Parameter	Units			
Cis-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U
Cyclohexane	UG/M3	0.688 U	0.688 U	0.688 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	**1.48**	**1.74 JV**	**3.52 JV**
Ethanol	UG/M3	9.42 U	9.42 U	9.42 U
Ethyl Acetate	UG/M3	1.8 U	1.8 U	1.8 U
Ethylbenzene	UG/M3	0.869 U	0.869 U	**0.947**
Hexachlorobutadiene	UG/M3	2.13 U	2.13 U	2.13 U
Isopropanol	UG/M3	1.23 U	1.23 UJV	**2.51 JV**
m,p-Xylene	UG/M3	**1.8**	**2.13**	**3.76**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**24.9**	**19.5**	**11.7**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	2.05 U	2.05 U	2.05 U
Methylene Chloride	UG/M3	1.74 U	1.74 U	1.74 U
N-Heptane	UG/M3	0.82 U	0.82 U	0.82 U
N-Hexane	UG/M3	0.705 U	0.705 U	0.705 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**0.964**	**1.12**	**1.74**
Styrene	UG/M3	0.852 U	0.852 U	0.852 U
Tert-Butyl Alcohol	UG/M3	1.52 U	1.52 U	1.52 U
Tert-Butyl Methyl Ether	UG/M3	0.721 U	0.721 U	0.721 U
Tetrachloroethylene (PCE)	UG/M3	**90.2**	**2.9 JV**	**304 JV**
Tetrahydrofuran	UG/M3	1.47 U	1.47 U	1.47 U
Toluene	UG/M3	**1.78**	**2.89**	**2.58**
Trans-1,2-Dichloroethene	UG/M3	0.793 U	0.793 U	0.793 U
Trans-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U
Trichloroethylene (TCE)	UG/M3	**3.96**	1.07 UJV	**14.1 JV**
Trichlorofluoromethane	UG/M3	**14.2**	**19.4**	**18.2**
Vinyl Bromide	UG/M3	0.874 U	0.874 U	0.874 U
Vinyl Chloride	UG/M3	0.511 U	0.511 UJV	**1.55 JV**

FIGURES

1. Site Location Map
2. Site Plan Showing Proposed Location of Geotechnical Test Pits
3. Site Plan with Remedial Investigation Sampling Locations
4. Soil Exceedances of Unrestricted Use Soil Cleanup Objectives
5. Soil Exceedances of Protection of Groundwater and Restricted Residential Soil Cleanup Objectives
6. Groundwater Sample Exceedances of AWQSGVs
7. Soil Vapor Detections



QUADRANGLE LOCATION



SOURCE:
USGS; 2016, Brooklyn, NY
7.5 Minute Topographic Quadrangle

N

0 2000'

Title:

SITE LOCATION MAP

1 JAVA STREET/GREENPOINT FERRY SITE

Prepared for:

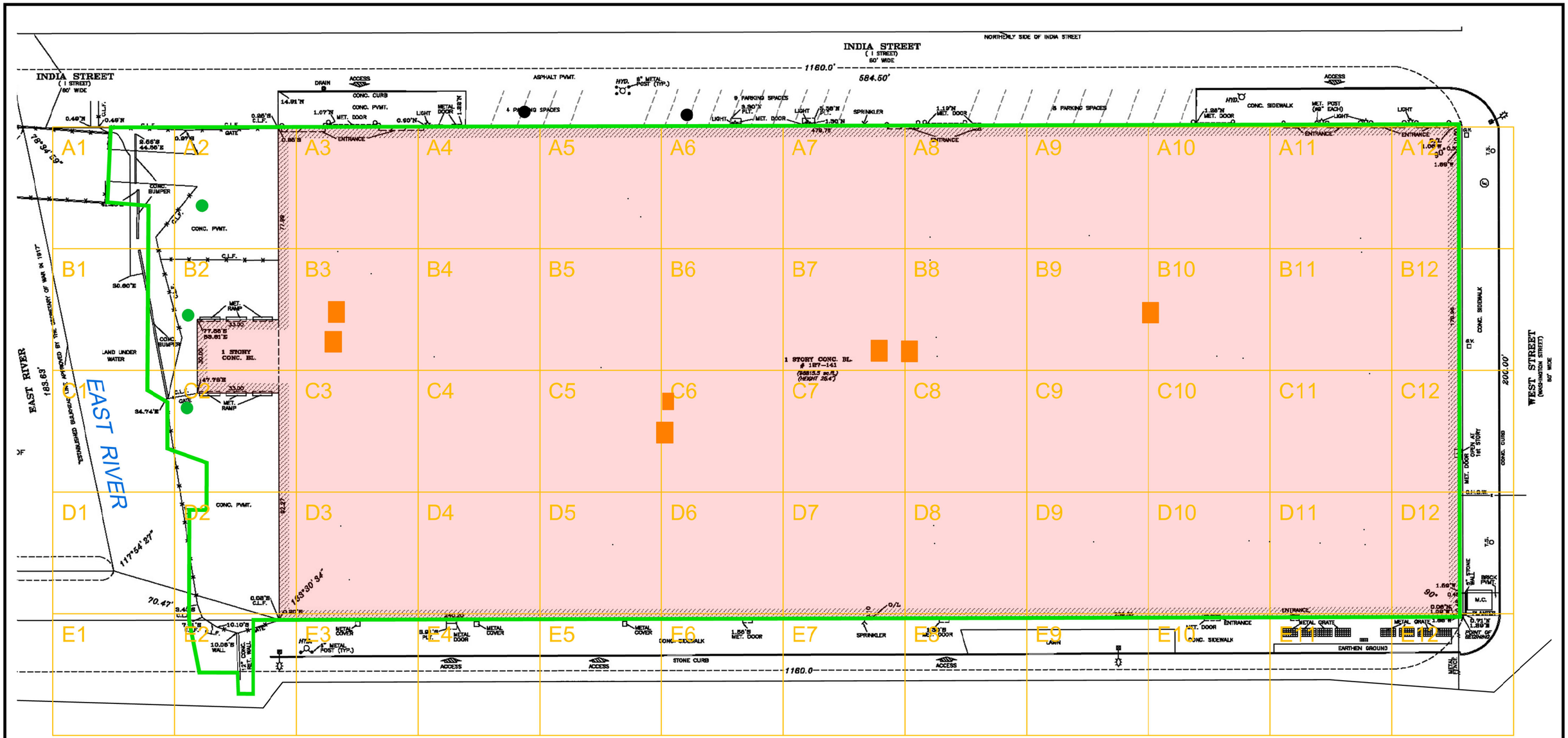
1 JAVA OWNER LLC

ROUX

Compiled by: E.B.	Date: 15MAR21
Prepared by: B.H.C.	Scale: AS SHOWN
Project Mgr: J.W.	Project: 3583.0001Y000
File: 3583.0001Y110.01.CDR	

FIGURE 1

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LEGEND

- BCP SITE BOUNDARY
- PROPOSED TEST PIT
- PROPOSED GEOTECHNICAL BORING
- STRUCTURE UNDERGOING DEMOLITION
- 50 FT ALPHANUMERIC GRID

NOTE

1. BCP – BROWNFIELD CLEANUP PROGRAM

40' 0 40'

Title:

SITE PLAN SHOWING LOCATION OF GEOTECHNICAL TEST PITS AND BORINGS

1 JAVA STREET/GREENPOINT FERRY SITE

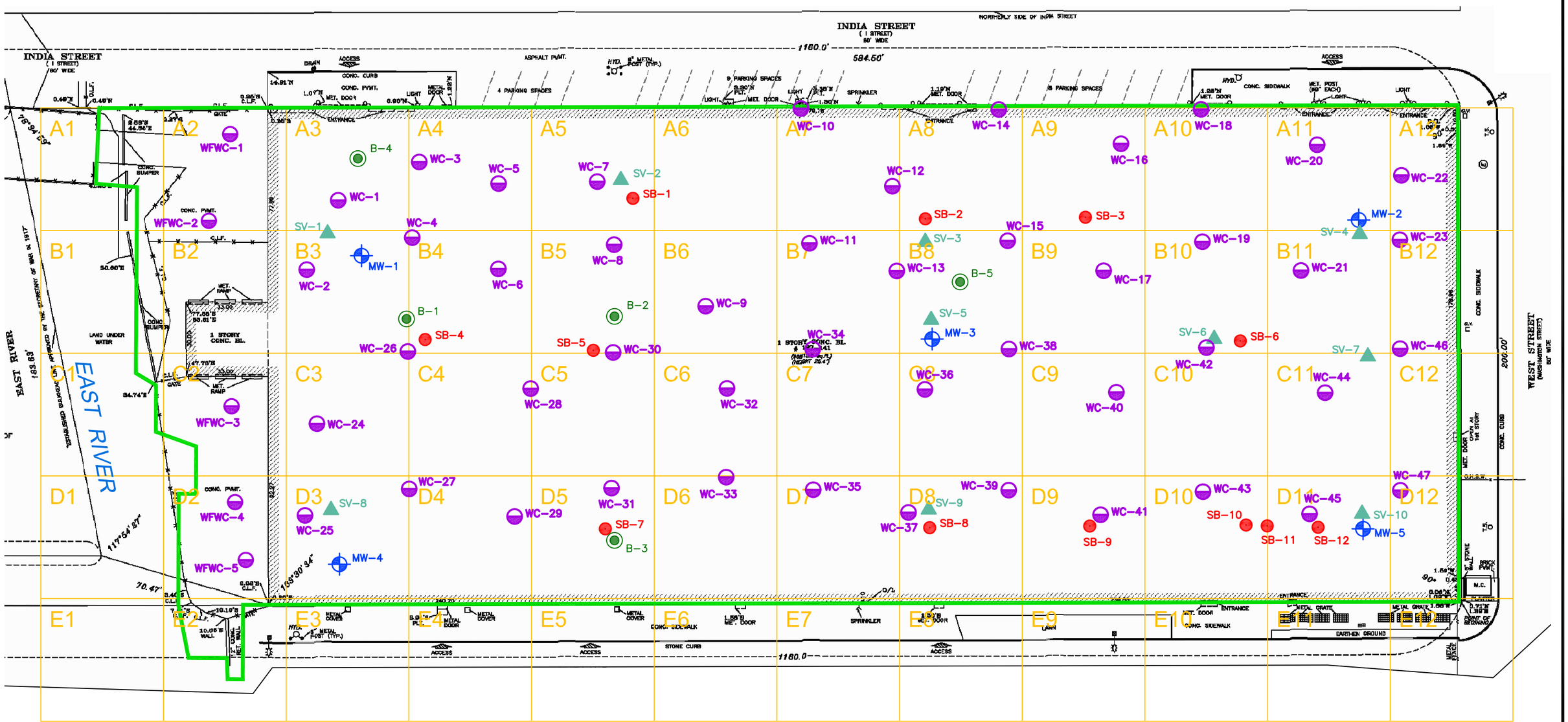
Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: E.B.	Date: 07SEPT21	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	2
Project Mgr: J.W.	Project: 3583.0001Y000	
File: 3583.0001Y110.02.DWG		

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LEGEND

- BCP SITE BOUNDARY
- SB-1 — LOCATION AND DESIGNATION OF SOIL BORING
- MW-1 — LOCATION AND DESIGNATION OF MONITORING WELL
- SV-1 — LOCATION AND DESIGNATION OF SOIL VAPOR MONITORING POINT
- WC-1 — LOCATION AND DESIGNATION OF WASTE CHARACTERIZATION SOIL BORING
- B-1 — LOCATION AND DESIGNATION OF HISTORIC SOIL BORING COMPLETED BY ENVIRONMENTAL WASTE MANAGEMENT ASSOCIATES (EWMA)
- 50 FT ALPHANUMERIC GRID

NOTE

1. SEE APPENDIX C OF RI/RAWP FOR COMPLETE WASTE CHARACTERIZATION REPORT
2. BCP – BROWNFIELD CLEANUP PROGRAM
3. RI/RAWP – REMEDIAL INVESTIGATION/REMEDIAL ACTION WORK PLAN

40' 0 40'

Title:

SITE PLAN WITH REMEDIAL INVESTIGATION SAMPLE LOCATIONS

1 JAVA STREET/GREENPOINT FERRY SITE

Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: E.B.	Date: 15MAR21	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	3
Project Mgr: J.W.	Project: 3583.0001Y000	
File: 3583.0001Y110.03.DWG		

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MW-1	9/27/17	9/27/17
Depth (ft bls)	3 - 5	9 - 11
VOCs	NE	NE
SVOCs		
Benzo(A)Anthracene	**1.3**	NE
Benzo(A)Pyrene	**1.2**	NE
Benzo(B)Fluoranthene	**1.5**	NE
Chrysene	**1.3**	NE
Indeno(1,2,3-C,D)Pyrene	**0.72**	NE
Metals		
Lead	**152**	NE

SB-5	9/27/17	9/27/17
Depth (ft bls)	2.5 - 4.5	9-11
VOCs	NE	NE
SVOCs		
Benzo(A)Anthracene	**1.2**	ND
Benzo(A)Pyrene	**1.3**	ND
Benzo(B)Fluoranthene	**1.6**	ND
Chrysene	**1.2**	ND
Indeno(1,2,3-C,D)Pyrene	**0.9**	ND
Metals		
Copper	**108**	NE
Lead	**1090**	NE
Mercury	**0.76**	NE
Zinc	**358**	NE

SB-1	9/27/17	9/27/17
Depth (ft bls)	2.5 - 4.5	10-12
VOCs		
Acetone	NE	**0.064**
SVOCs		
3- And 4- Methylphenol (Total)	ND	**0.41**
Benzo(A)Anthracene	**1.6**	**1.9**
Benzo(A)Pyrene	**1.6**	**2.2**
Benzo(B)Fluoranthene	**2.3**	**2.5**
Chrysene	**1.6**	**1.6**
Indeno(1,2,3-C,D)Pyrene	**1.1**	**1.3**
Metals		
Cadmium	NE	**4.15**
Copper	**64**	NE
Lead	**343**	**2530**
Mercury	**0.47**	**2**
Zinc	NE	**1610**

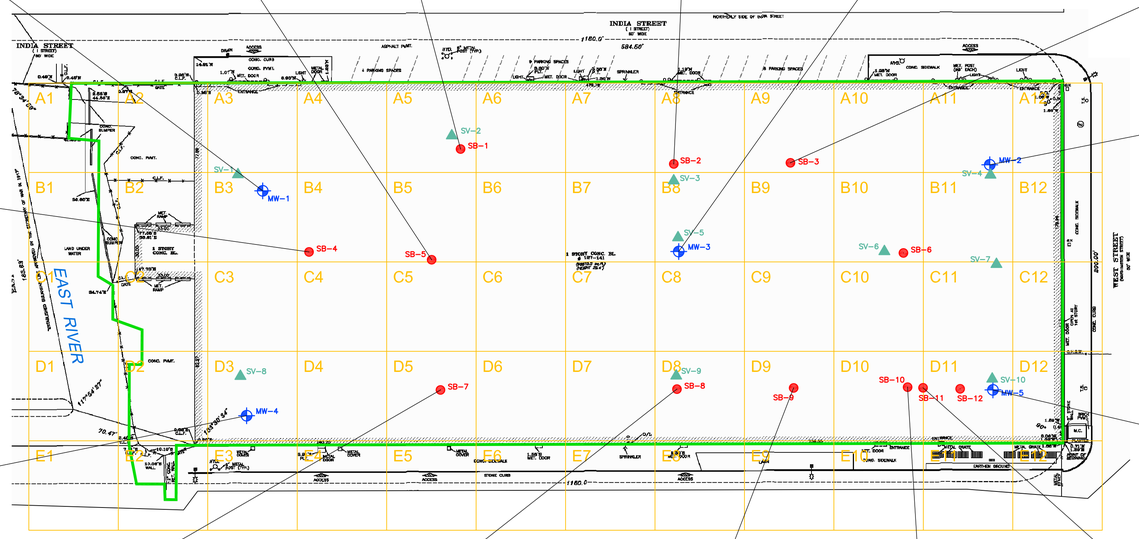
SB-2	9/20/17	9/20/17	9/20/17	9/20/17
Depth (ft bls)	0-2	5-7	10-12	15-17
VOCs	ND	ND	NE	NE
SVOCs	NE	NE	ND	ND
Metals				
Cadmium	NE	NE	**8.61**	NE

MW-3	9/20/17	9/20/17	9/20/17	9/20/17	9/20/17
Depth (ft bls)	0 - 2	5 - 7	5 - 7 DUP	12.5 - 14.5	15 - 17
VOCs	ND	ND	ND	NE	ND
SVOCs					
Benzo(B)Fluoranthene	**1.3**	ND	ND	ND	ND
Indeno(1,2,3-C,D)Pyrene	**0.67**	ND	ND	ND	ND
Metals					
Mercury	**0.22**	NE	NE	ND	ND

SB-3	9/18/17	9/19/17	9/19/17	9/19/17
Depth (ft bls)	0 - 2	5-7	10-12	15-17
VOCs	NE	NE	NE	NE
SVOCs				
Benzo(A)Anthracene	**1.1**	NE	NE	NE
Benzo(B)Fluoranthene	**1.3**	NE	NE	NE
Chrysene	**1.1**	NE	NE	NE
Indeno(1,2,3-C,D)Pyrene	**0.61**	NE	NE	NE
Metals				
Chromium	**34.9**	NE	NE	NE

MW-2	9/19/17	9/19/17	9/19/17	9/19/17
Depth (ft bls)	0 - 2	5 - 7	10 - 12	15 - 17
VOCs	NE	ND	ND	ND
SVOCs	NE	ND	NE	NE
Metals				
Arsenic	NE	**26.7**	NE	NE

SB-4	9/27/17	9/27/17
Depth (ft bls)	2.5 - 4.5	8-10
VOCs		
Acetone	NE	**0.06**
SVOCs		
Benzo(A)Anthracene	**1.3**	**42**
Benzo(A)Pyrene	**1.2**	**54**
Benzo(B)Fluoranthene	**1.5**	**57**
Benzo(K)Fluoranthene	NE	**17**
Chrysene	**1.2**	**35**
Dibenz(A,H)Anthracene	NE	**8.3**
Indeno(1,2,3-C,D)Pyrene	**0.75**	**36**
Metals		
Lead	**186**	NE
Mercury	**0.41**	NE



MW-4	9/27/17	9/27/17
Depth (ft bls)	2.5 - 4.5	8-10
VOCs		
Acetone	ND	**0.12**
SVOCs		
Benzo(A)Anthracene	**1.1**	**2.4**
Benzo(A)Pyrene	**1.1**	**2**
Benzo(B)Fluoranthene	**1.4**	**2.5**
Chrysene	NE	**2**
Indeno(1,2,3-C,D)Pyrene	**0.66**	**1**
Metals		
Lead	**137**	**249**
Mercury	**0.34**	**0.19**

MW-5	9/18/17	9/19/17	9/19/17	9/19/17
Depth (ft bls)	0-2	5 - 7	10 - 12	15 - 17
VOCs	NE	ND	NE	NE
SVOCs	NE	NE	NE	ND
Metals				
Arsenic	**31.2**	NE	NE	NE

SB-7	9/27/17	9/27/17
Depth (ft bls)	2.5 - 4.5	10-12
VOCs		
Acetone	NE	**0.055**
SVOCs		
Benzo(B)Fluoranthene	**1.3**	NE
Indeno(1,2,3-C,D)Pyrene	**0.64**	ND
Metals		
Chromium	**42.4**	NE
Copper	**1590**	NE
Lead	**300**	NE
Mercury	**1.4**	**0.26**
Nickel	**40.2**	NE

SB-8	9/20/17	9/20/17	9/20/17	9/20/17
Depth (ft bls)	0-2	5-7	10-12	15-17
VOCs	NE	ND	NE	NE
SVOCs				
Indeno(1,2,3-C,D)Pyrene	**0.62**	NE	ND	ND
Metals				
Arsenic	**23.3**	NE	NE	NE
Copper	**72**	NE	NE	NE
Lead	**136**	NE	NE	NE
Mercury	**1**	NE	NE	ND
Zinc	**130**	NE	NE	NE

SB-9	9/18/17	9/19/17	9/19/17	9/19/17
Depth (ft bls)	0-2	8-10	10-12	15-17
VOCs	NE	NE	NE	NE
SVOCs				
Benzo(A)Anthracene	**10**	ND	NE	NE
Benzo(A)Pyrene	**9.7**	ND	NE	ND
Benzo(B)Fluoranthene	**12**	ND	NE	ND
Benzo(K)Fluoranthene	**3.3**	ND	NE	ND
Chrysene	**9.2**	ND	NE	NE
Dibenz(A,H)Anthracene	**1.2**	ND	NE	ND
Indeno(1,2,3-C,D)Pyrene	**6.2**	ND	NE	ND
Metals				
Arsenic	**24.6**	NE	**16.1**	NE
Lead	**151**	NE	NE	NE
Mercury	**0.29**	ND	NE	ND

SB-10	9/18/17	9/18/17	9/18/17	9/18/17
Depth (ft bls)	0-2	5-7	12-14	18-20
VOCs	NE	NE	NE	NE
SVOCs				
3- And 4- Methylphenol (Total)	**.480 J**	NE	ND	ND
Benzo(A)Anthracene	**31**	**6.2**	NE	ND
Benzo(A)Pyrene	**28**	**5.4**	NE	ND
Benzo(B)Fluoranthene	**35**	**6.5**	NE	ND
Benzo(K)Fluoranthene	**11**	**1.9**	NE	ND
Chrysene	**29**	**5.3**	NE	ND
Dibenz(A,H)Anthracene	**3.4**	**0.64**	ND	ND
Dibenzofuran	**11**	NE	NE	ND
Indeno(1,2,3-C,D)Pyrene	**17**	**2.9**	NE	ND
Naphthalene	**23**	NE	NE	ND
Metals				
Arsenic	**71.4**	NE	**37.2**	NE
Chromium	**49.7**	NE	**36.6**	NE
Lead	**134**	NE	NE	NE
Zinc	**162**	NE	NE	NE

SB-11	9/29/17	9/29/17	9/29/17
Depth (ft bls)	0-2	3-5	15-17
VOCs	NE	NE	NE
SVOCs			
3- And 4- Methylphenol (Total)	NE	**.870 J**	ND
Benzo(A)Anthracene	**17**	**42**	ND
Benzo(A)Pyrene	**13**	**30**	ND
Benzo(B)Fluoranthene	**22**	**49**	ND
Benzo(K)Fluoranthene	**4.1**	**10**	ND
Chrysene	**14**	**36**	ND
Dibenz(A,H)Anthracene	**1.7**	**4**	ND
Dibenzofuran	NE	**15**	ND
Indeno(1,2,3-C,D)Pyrene	**8.6**	**19**	ND
Naphthalene	NE	**24**	ND
Phenanthrene	NE	**120**	ND
Metals			
Arsenic	**34**	**32**	NE
Chromium	**32.5**	**36.8**	NE
Copper	**50.3**	**107**	NE
Lead	**191**	**187**	NE
Mercury	**0.48**	**0.51**	NE
Nickel	NE	**33**	NE
Zinc	**117**	**504**	NE

LEGEND

- BCP SITE BOUNDARY
- SB-1 — LOCATION AND DESIGNATION OF SOIL BORING
- MW-1 — LOCATION AND DESIGNATION OF MONITORING WELL
- SV-1 — LOCATION AND DESIGNATION OF SOIL VAPOR MONITORING POINT
- 50 FT ALPHANUMERIC GRID
- BCP BROWNFIELD CLEANUP PROGRAM

TYPICAL DATA BOX INFORMATION

SAMPLE ID# → MW-1	9/27/17	9/27/17	← SAMPLE DATE
Depth (ft bls)	3 - 5	9 - 11	← SAMPLE DEPTH (FT BLS)
VOCs	NE	NE	
SVOCs			
ANALYTES → Benzo(A)Anthracene	**1.3**	NE	← CONCENTRATION (mg/kg)
Benzo(A)Pyrene	**1.2**	NE	
Benzo(B)Fluoranthene	**1.5**	NE	
Chrysene	**1.3**	NE	
Indeno(1,2,3-C,D)Pyrene	**0.72**	NE	
Metals			
Lead	**152**	NE	

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use SCO
VOCs	
Acetone	**0.05**
SVOCs	
3- And 4- Methylphenol (Total)	**0.33**
Benzo(A)Anthracene	**1**
Benzo(A)Pyrene	**1**
Benzo(B)Fluoranthene	**1**
Benzo(K)Fluoranthene	**0.8**
Chrysene	**1**
Dibenz(A,H)Anthracene	**0.33**
Dibenzofuran	**7**
Indeno(1,2,3-C,D)Pyrene	**0.5**
Naphthalene	**12**
Phenanthrene	**100**
Metals	
Arsenic	**13**
Cadmium	**2.5**
Chromium	**30**
Copper	**50**
Lead	**63**
Mercury	**0.18**
Nickel	**30**
Zinc	**109**

J - Estimated value
V - Value altered or qualifier added during data validation
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- - No SCO available
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
NE - No exceedance
ND - No detection

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

NOTE

THERE WERE NO EXCEEDANCES OF THE UNRESTRICTED USE SCO IDENTIFIED IN BORINGS SB-6 AND SB-12.

N

40' 0 40'

Title:

SOIL SAMPLE EXCEEDANCES OF UNRESTRICTED USE SOIL CLEANUP OBJECTIVES

1 JAVA STREET/GREENPOINT FERRY SITE

Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: E.B.	Date: 03MAR21	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	4
Project Mgr: J.W.	Project: 3583.0001Y000	
File: 3583.0001Y110.06.DWG		

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LEGEND

- BCP SITE BOUNDARY
- SB-1 — LOCATION AND DESIGNATION OF SOIL BORING
- MW-1 — LOCATION AND DESIGNATION OF MONITORING WELL
- SV-1 — LOCATION AND DESIGNATION OF SOIL VAPOR MONITORING POINT
- 50 FT ALPHANUMERIC GRID
- BCP BROWNFIELD CLEANUP PROGRAM

TYPICAL DATA BOX INFORMATION

SAMPLE ID# → MW-4	9/27/17	9/27/17	← SAMPLE DATE
Depth (ft bls)	2.5 - 4.5	8-10	← SAMPLE DEPTH (FT BLS)
VOCs			
Acetone	ND	0.12	
SVOCs			
ANALYTES → Benzo(A)Anthracene	**1.1**	**2.4**	← CONCENTRATION (mg/kg)
Benzo(A)Pyrene	**1.1**	**2**	
Benzo(B)Fluoranthene	**1.4**	**2.5**	
Chrysene	NE	2	
Indeno(1,2,3-C,D)Pyrene	**0.66**	**1**	
Metals	NE	NE	

MW-1	9/27/17	9/27/17
Depth (ft bls)	3 - 5	9 -11
VOCs	NE	NE
SVOCs		
Benzo(A)Anthracene	**1.3**	NE
Benzo(A)Pyrene	**1.2**	NE
Benzo(B)Fluoranthene	**1.5**	NE
Chrysene	1.3	NE
Indeno(1,2,3-C,D)Pyrene	**0.72**	NE
Metals	NE	NE

SB-5	9/27/17	9/27/17
Depth (ft bls)	2.5 - 4.5	9-11
VOCs	NE	NE
SVOCs		
Benzo(A)Anthracene	**1.2**	ND
Benzo(A)Pyrene	**1.3**	ND
Benzo(B)Fluoranthene	**1.6**	ND
Chrysene	1.2	ND
Indeno(1,2,3-C,D)Pyrene	**0.9**	ND
Metals		
Lead	**1090**	NE
Mercury	0.76	NE

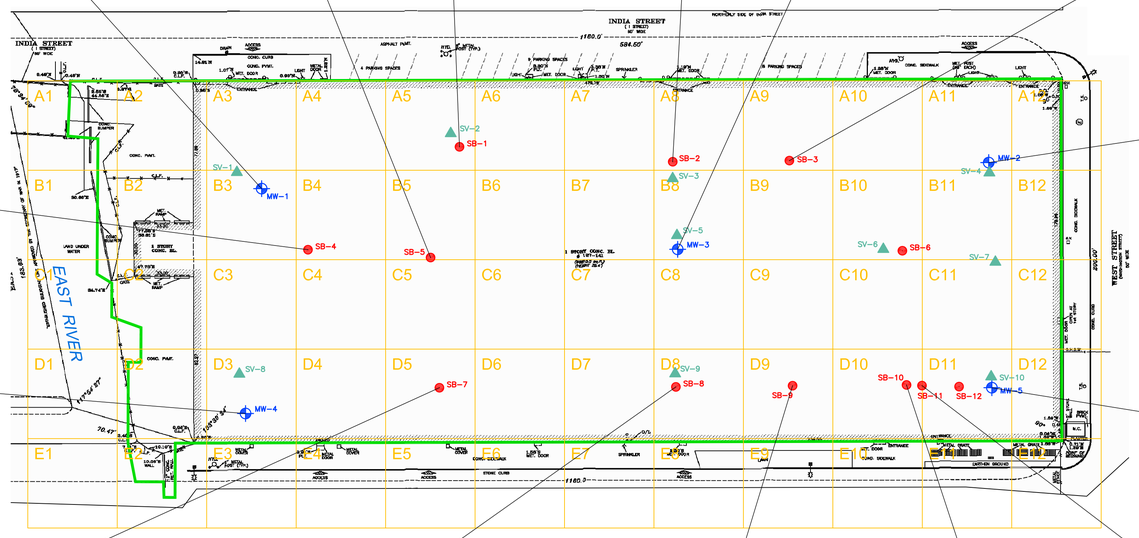
SB-1	9/27/17	9/27/17
Depth (ft bls)	2.5 - 4.5	10-12
VOCs		
Acetone	NE	0.064
SVOCs		
3- And 4- Methylphenol (Total)	ND	0.41
Benzo(A)Anthracene	**1.6**	**1.9**
Benzo(A)Pyrene	**1.6**	**2.2**
Benzo(B)Fluoranthene	**2.3**	**2.5**
Chrysene	1.6	1.6
Indeno(1,2,3-C,D)Pyrene	**1.1**	**1.3**
Metals		
Lead	343	**2530**
Mercury	0.47	**2**

SB-2	9/20/17	9/20/17	9/20/17	9/20/17
Depth (ft bls)	0-2	5-7	10-12	15-17
VOCs	ND	ND	NE	NE
SVOCs	NE	NE	ND	ND
Metals				
Cadmium	NE	NE	**8.61**	NE

MW-3	9/20/17	9/20/17	9/20/17	9/20/17	9/20/17
Depth (ft bls)	0 - 2	5 - 7	5 - 7 DUP	12.5 - 14.5	15 - 17
VOCs	ND	ND	ND	NE	ND
SVOCs					
Benzo(B)Fluoranthene	**1.3**	ND	ND	ND	ND
Indeno(1,2,3-C,D)Pyrene	**0.67**	ND	ND	ND	ND
Metals	NE	NE	NE	ND	ND

SB-3	9/18/17	9/19/17	9/19/17	9/19/17
Depth (ft bls)	0 - 2	5-7	10-12	15-17
VOCs	NE	NE	NE	NE
SVOCs				
Benzo(A)Anthracene	**1.1**	NE	NE	NE
Benzo(B)Fluoranthene	**1.3**	NE	NE	NE
Chrysene	1.1	NE	NE	NE
Indeno(1,2,3-C,D)Pyrene	**0.61**	NE	NE	NE
Metals	NE	NE	NE	NE

MW-2	9/19/17	9/19/17	9/19/17	9/19/17
Depth (ft bls)	0 - 2	5 - 7	10 - 12	15 - 17
VOCs	NE	ND	ND	ND
SVOCs	NE	ND	NE	NE
Metals				
Arsenic	NE	**26.7**	NE	NE



SB-4	9/27/17	9/27/17
Depth (ft bls)	2.5 - 4.5	8-10
VOCs		
Acetone	NE	0.06
SVOCs		
Benzo(A)Anthracene	**1.3**	**42**
Benzo(A)Pyrene	**1.2**	**54**
Benzo(B)Fluoranthene	**1.5**	**57**
Benzo(K)Fluoranthene	NE	**17**
Chrysene	1.2	**35**
Dibenz(A,H)Anthracene	NE	**8.3**
Indeno(1,2,3-C,D)Pyrene	**0.75**	**36**
Metals	NE	NE

MW-4	9/27/17	9/27/17
Depth (ft bls)	2.5 - 4.5	8-10
VOCs		
Acetone	ND	0.12
SVOCs		
Benzo(A)Anthracene	**1.1**	**2.4**
Benzo(A)Pyrene	**1.1**	**2**
Benzo(B)Fluoranthene	**1.4**	**2.5**
Chrysene	NE	2
Indeno(1,2,3-C,D)Pyrene	**0.66**	**1**
Metals	NE	NE

SB-7	9/27/17	9/27/17
Depth (ft bls)	2.5 - 4.5	10-12
VOCs		
Acetone	NE	0.055
SVOCs		
Benzo(B)Fluoranthene	**1.3**	NE
Indeno(1,2,3-C,D)Pyrene	**0.64**	ND
Metals		
Copper	**1590**	NE
Mercury	**1.4**	0.26

SB-8	9/20/17	9/20/17	9/20/17	9/20/17
Depth (ft bls)	0-2	5-7	10-12	15-17
VOCs	NE	ND	NE	NE
SVOCs				
Indeno(1,2,3-C,D)Pyrene	**0.62**	NE	ND	ND
Metals				
Arsenic	**23.3**	NE	NE	NE
Mercury	**1**	NE	NE	ND

SB-9	9/18/17	9/19/17	9/19/17	9/19/17
Depth (ft bls)	0-2	8-10	10-12	15-17
VOCs	NE	NE	NE	NE
SVOCs				
Benzo(A)Anthracene	**10**	ND	NE	NE
Benzo(A)Pyrene	**9.7**	ND	NE	ND
Benzo(B)Fluoranthene	**12**	ND	NE	ND
Benzo(K)Fluoranthene	3.3	ND	NE	ND
Chrysene	**9.2**	ND	NE	NE
Dibenz(A,H)Anthracene	**1.2**	ND	NE	ND
Indeno(1,2,3-C,D)Pyrene	**6.2**	ND	NE	ND
Metals				
Arsenic	**24.6**	NE	**16.1**	NE

SB-10	9/18/17	9/18/17	9/18/17	9/18/17
Depth (ft bls)	0-2	5-7	12-14	18-20
VOCs				
Naphthalene	23	**120**	NE	NE
SVOCs				
3- And 4- Methylphenol (Total)	.480 J	NE	ND	ND
Benzo(A)Anthracene	**31**	**6.2**	NE	ND
Benzo(A)Pyrene	**28**	**5.4**	NE	ND
Benzo(B)Fluoranthene	**35**	**6.5**	NE	ND
Benzo(K)Fluoranthene	**11**	1.9	NE	ND
Chrysene	**29**	**5.3**	NE	ND
Dibenz(A,H)Anthracene	**3.4**	**0.64**	ND	ND
Indeno(1,2,3-C,D)Pyrene	**17**	**2.9**	NE	ND
Naphthalene	23	NE	NE	ND
Metals				
Arsenic	**71.4**	NE	**37.2**	NE

SB-11	9/29/17	9/29/17	9/29/17
Depth (ft bls)	0-2	3-5	15-17
VOCs			
Naphthalene	NE	**140 JV**	NE
SVOCs			
3- And 4- Methylphenol (Total)	NE	0.870 J	ND
Benzo(A)Anthracene	**17**	**42**	ND
Benzo(A)Pyrene	**13**	**30**	ND
Benzo(B)Fluoranthene	**22**	**49**	ND
Benzo(K)Fluoranthene	**4.1**	**10**	ND
Chrysene	**14**	**36**	ND
Dibenz(A,H)Anthracene	**1.7**	**4**	ND
Indeno(1,2,3-C,D)Pyrene	**8.6**	**19**	ND
Naphthalene	NE	24	ND
Phenanthrene	NE	**120**	ND
Metals			
Arsenic	**34**	**32**	NE

MW-5	9/18/17	9/19/17	9/19/17	9/19/17
Depth (ft bls)	0-2	5 - 7	10 - 12	15 - 17
VOCs	NE	ND	NE	NE
SVOCs	NE	NE	NE	ND
Metals				
Arsenic	**31.2**	NE	NE	NE

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO
VOCs		
Acetone	**100**	0.05
Naphthalene	**100**	12
SVOCs		
3- And 4- Methylphenol (Total)	**100**	0.33
Benzo(A)Anthracene	**1**	1
Benzo(A)Pyrene	**1**	22
Benzo(B)Fluoranthene	**1**	1.7
Benzo(K)Fluoranthene	**3.9**	1.7
Chrysene	**3.9**	1
Dibenz(A,H)Anthracene	**0.33**	1000
Dibenzofuran	**59**	210
Indeno(1,2,3-C,D)Pyrene	**0.5**	8.2
Naphthalene	**100**	12
Phenanthrene	**100**	1000
Metals		
Arsenic	**16**	16
Cadmium	**4.3**	7.5
Chromium	**180**	-
Copper	**270**	1720
Lead	**400**	450
Mercury	**0.81**	0.73
Nickel	**310**	130
Zinc	**10000**	2480

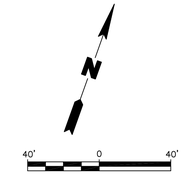
- J - Estimated value
- V - Value altered or qualifier added during data validation
- mg/kg - Milligrams per kilogram
- ft bls - Feet below land surface
- NYSDEC - New York State Department of Environmental Conservation
- SCO - Soil Cleanup Objectives
- -- - No SCO available
- VOCs - Volatile Organic Compounds
- SVOCs - Semivolatile Organic Compounds
- NE - No exceedance
- ND - No detection

Bold data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

NOTE

THERE WERE NO EXCEEDANCES OF THE RESTRICTED RESIDENTIAL SCO OR PROTECTION OF GROUNDWATER SCO IDENTIFIED IN BORINGS SB-6 AND SB-12.



Title:

SOIL SAMPLE EXCEEDANCES OF PROTECTION OF GROUNDWATER AND RESTRICTED RESIDENTIAL USE SOIL CLEANUP OBJECTIVES

1 JAVA STREET/GREENPOINT FERRY SITE

Prepared for:

1 JAVA STREET OWNER LLC

ROUX

Compiled by: E.B.	Date: 15MAR21	FIGURE 5
Prepared by: B.H.C.	Scale: AS SHOWN	
Project Mgr: J.W.	Project: 3583.0001Y000	
File: 3583,0001Y110,05.DWG		

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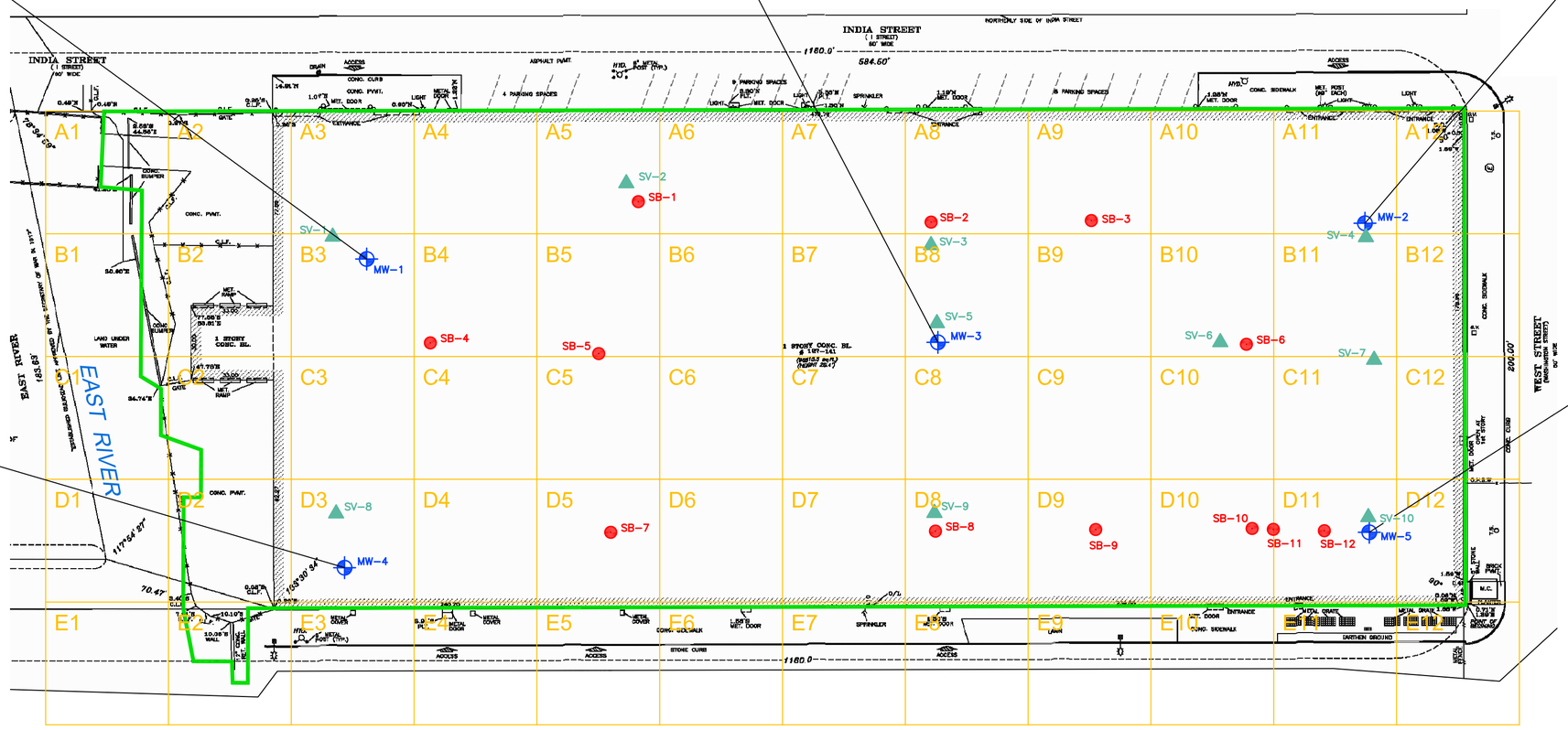
MW-3	10/5/17	DUP100517
Analyte		
VOCs	NE	NE
SVOCs	NE	NE
Metals (Total)		
Iron	**421**	**435**
Magnesium	NE	**35700**
Manganese	**4220**	**4270**
Sodium	**72800**	**74900**
Metals (Dissolved)		
Iron	**332**	**365**
Magnesium	**36800**	**36100**
Manganese	**4574**	**4555**
Sodium	**79300**	**76900**

MW-1	10/5/17
Analyte	
VOCs	NE
SVOCs	
Benzo(A)Anthracene	**0.02 J**
Benzo(B)Fluoranthene	**0.02 J**
Metals (Total)	
Iron	**34800**
Magnesium	**104000**
Manganese	**1992**
Sodium	**978000**
Metals (Dissolved)	
Iron	**35400**
Magnesium	**103000**
Manganese	**2153**
Sodium	**986000**

MW-2	10/5/17
Analyte	
VOCs	NE
SVOCs	NE
Metals (Total)	
Iron	**1850**
Manganese	**2848**
Sodium	**50000**
Metals (Dissolved)	
Iron	**3039**
Sodium	**47300**

MW-4	10/5/17
Analyte	
VOCs	NE
SVOCs	
Benzo(A)Anthracene	**0.04 J**
Benzo(A)Pyrene	**0.06 J**
Benzo(B)Fluoranthene	**0.03 J**
Indeno(1,2,3-C,D)Pyrene	**0.06 J**
Metals (Total)	
Iron	**14700**
Magnesium	**83300**
Manganese	**1077**
Sodium	**604000**
Metals (Dissolved)	
Iron	**12600**
Magnesium	**86800**
Manganese	**1158**
Sodium	**642000**

MW-5	10/5/17
Analyte	
VOCs	NE
SVOCs	
Benzo(A)Anthracene	**0.02 J**
Metals (Total)	
Antimony	**4.11**
Iron	**690**
Manganese	**1383**
Sodium	**146000**
Metals (Dissolved)	
Manganese	**1297**
Sodium	**140000**



TYPICAL DATA BOX INFORMATION

SAMPLE DESIGNATION → SAMPLE DATE

MW-5	10/5/17
Analyte	
VOCs	NE
SVOCs	
Benzo(A)Anthracene	**0.02 J**

ANALYTE → CONCENTRATION IN (µg/L)

LEGEND

- SB-1 — LOCATION AND DESIGNATION OF SOIL BORING
- MW-1 — LOCATION AND DESIGNATION OF MONITORING WELL
- SV-1 — LOCATION AND DESIGNATION OF SOIL VAPOR MONITORING POINT
- BCP SITE BOUNDARY
- 50 FT ALPHANUMERIC GRID
- BCP BROWNFIELD CLEANUP PROGRAM

Parameter (Concentrations in µg/L)	NYSDEC Ambient Water-Quality Standards (ug/L)	NYSDEC Ambient Water-Quality Guidance Values (ug/L)
VOCs		
SVOCs		
Benzo(A)Anthracene	--	**0.002**
Benzo(A)Pyrene	**0**	--
Benzo(B)Fluoranthene	--	**0.002**
Indeno(1,2,3-C,D)Pyrene	--	**0.002**
Metals		
Antimony	**3**	--
Iron	**300**	--
Magnesium	--	**35000**
Manganese	**300**	--
Sodium	**20000**	--

µg/L – MICROGRAMS PER LITER

NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

AWQSGVs – AMBIENT WATER-QUALITY STANDARDS AND GUIDANCE VALUES

VOCS – VOLATILE ORGANIC COMPOUNDS

SVOCS – SEMIVOLATILE ORGANIC COMPOUNDS

DUP – DUPLICATE SAMPLE

– – NO AVAILABLE STANDARD

NE – NO EXCEEDANCE

ND – NO DETECTION

40' 0 40'

Title:

GROUNDWATER SAMPLE EXCEEDANCES OF AWQSGVs

1 JAVA STREET/GREENPOINT FERRY SITE

Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: E.B.	Date: 15MAR21	FIGURE 6
Prepared by: B.H.C.	Scale: AS SHOWN	
Project Mgr: J.W.	Project: 3583.0001Y000	
File: 3583.0001Y110.03.DWG		

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SV-1	9/28/17
VOCs	
1,2,4-Trimethylbenzene	**1.1**
1,4-Dichlorobenzene	**2.54**
Acetone	**17.9**
Chloroform	**40**
Isopropanol	**20.3**
Methyl Ethyl Ketone (2-Butanone)	**2.26**
N-Hexane	**0.952**
Tert-Butyl Alcohol	**13.2**
Tetrachloroethylene (PCE)	**2.79**
Toluene	**2.53**
Trichloroethylene (TCE)	**13.6**
Trichlorofluoromethane	**52.7**

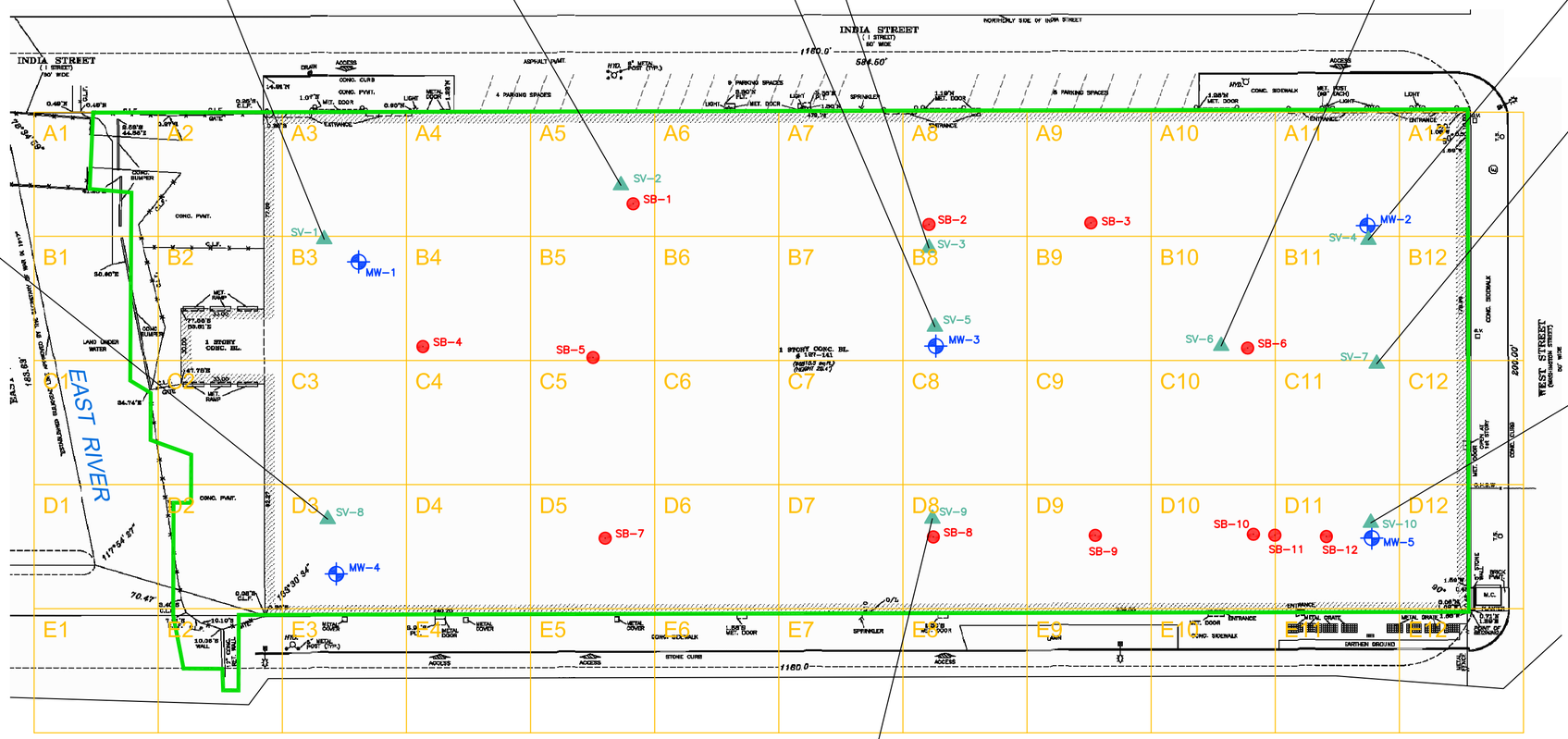
SV-2	9/28/17
VOCs	
1,2,4-Trimethylbenzene	**1.12**
1,4-Dichlorobenzene	**2.53**
Acetone	**22**
Benzene	**0.952**
Bromodichloromethane	**15.3**
Carbon Disulfide	**4.33**
Chloroform	**237**
Chloromethane	**1.2**
Dichlorodifluoromethane	**1.08**
Ethanol	**10.6**
Isopropanol	**14**
Methyl Ethyl Ketone (2-Butanone)	**3.24**
Methylene Chloride	**2.2**
O-Xylene (1,2-Dimethylbenzene)	**1.02**
Tert-Butyl Alcohol	**19.1**
Tetrachloroethylene (PCE)	**195**
Toluene	**2.2**
Trichloroethylene (TCE)	**9.83**
Trichlorofluoromethane	**30.6**

SV-5	9/28/17
VOCs	
1,1-Dichloroethane	**4.53**
2-Hexanone	**3.37**
Carbon Disulfide	**1.11**
Chloroform	**8.79**
Chloromethane	**0.956**
Methyl Ethyl Ketone (2-Butanone)	**4.63**
Tetrachloroethylene (PCE)	**22.8**
Toluene	**0.984**
Trichlorofluoromethane	**23.8**

SV-3	9/28/17
VOCs	
1,1-Dichloroethane	**2.24**
2-Hexanone	**5.61**
Acetone	**5.96**
Carbon Disulfide	**1.49**
Chloroform	**27.9**
Chloromethane	**2.13**
Dichlorodifluoromethane	**1.13**
Methyl Ethyl Ketone (2-Butanone)	**7.08**
O-Xylene (1,2-Dimethylbenzene)	**0.916**
Tetrachloroethylene (PCE)	**26.5**
Toluene	**1.79**
Trichlorofluoromethane	**26.9**

SV-6	9/28/17
VOCs	
1,2,4-Trichlorobenzene	**2**
2-Hexanone	**1.84**
Acetone	**3.71**
Chloroform	**1.41**
Dichlorodifluoromethane	**2.56**
m,p-Xylene	**2.82**
Methyl Ethyl Ketone (2-Butanone)	**3.92**
O-Xylene (1,2-Dimethylbenzene)	**1.46**
Tetrachloroethylene (PCE)	**52.4**
Toluene	**2.58**
Trichlorofluoromethane	**16.6**

SV-4	9/28/17
VOCs	
2-Hexanone	**3.03**
Acetone	**4.85**
Carbon Disulfide	**0.657**
Chloroform	**5.13**
Dichlorodifluoromethane	**1.35**
m,p-Xylene	**1.82**
Methyl Ethyl Ketone (2-Butanone)	**3.27**
O-Xylene (1,2-Dimethylbenzene)	**1.01**
Tetrachloroethylene (PCE)	**69.2**
Toluene	**3.35**
Trichlorofluoromethane	**17.8**



SV-8	9/28/17
VOCs	
1,1,1-Trichloroethane	**1.36**
1,2,4-Trimethylbenzene	**1.25**
1,4-Dichlorobenzene	**1.7**
Benzene	**1.76**
Carbon Disulfide	**6.63**
Chloroform	**16**
Chloromethane	**0.475**
Cyclohexane	**0.826**
Dichlorodifluoromethane	**1.63**
Isopropanol	**7.87**
m,p-Xylene	**2.2**
Methyl Ethyl Ketone (2-Butanone)	**2.16**
N-Hexane	**2.05**
O-Xylene (1,2-Dimethylbenzene)	**1.18**
Tert-Butyl Alcohol	**5.82**
Tetrachloroethylene (PCE)	**11.3**
Toluene	**2.53**
Trichloroethylene (TCE)	**1.35**
Trichlorofluoromethane	**41.8**

SV-7	9/28/17
VOCs	
2-Hexanone	**1.95**
Acetone	**3.37**
Carbon Disulfide	**1.15**
Dichlorodifluoromethane	**1.77**
Ethylbenzene	**2.34**
m,p-Xylene	**10**
Methyl Ethyl Ketone (2-Butanone)	**3.04**
O-Xylene (1,2-Dimethylbenzene)	**4.25**
Tetrachloroethylene (PCE)	**99**
Toluene	**1.12**
Trichlorofluoromethane	**20.3**

SV-10	9/28/17	DUP092817
VOCs		
1,1,1-Trichloroethane	ND	**47.6**
1,1-Dichloroethane	ND	**13.4 JV**
1,1-Dichloroethene	ND	**2.87**
1,4-Dioxane (P-Dioxane)	ND	**1.12**
2-Hexanone	**10.7**	**6.02 JV**
Acetone	**4.8**	**5.49**
Carbon Disulfide	**1.68**	**1.27**
Chloroethane	ND	**1.24 JV**
Chloroform	**1.38**	ND
Cis-1,2-Dichloroethylene	ND	**116 JV**
Dichlorodifluoromethane	**1.74 JV**	**3.52 JV**
Ethylbenzene	ND	**0.947**
Isopropanol	ND	**2.51 JV**
m,p-Xylene	**2.13**	**3.76**
Methyl Ethyl Ketone (2-Butanone)	**19.5**	**11.7**
O-Xylene (1,2-Dimethylbenzene)	**1.12**	**1.74**
Tetrachloroethylene (PCE)	**2.9 JV**	**304 JV**
Toluene	**2.89**	**2.58**
Trichloroethylene (TCE)	ND	**14.1 JV**
Trichlorofluoromethane	**19.4**	**18.2**
Vinyl Chloride	ND	**1.55 JV**

SV-9	9/28/17
VOCs	
1,1,1-Trichloroethane	**12.7**
2-Hexanone	**14.4**
Acetone	**5.06**
Chloroform	**10**
Dichlorodifluoromethane	**1.48**
m,p-Xylene	**1.8**
Methyl Ethyl Ketone (2-Butanone)	**24.9**
O-Xylene (1,2-Dimethylbenzene)	**0.964**
Tetrachloroethylene (PCE)	**90.2**
Toluene	**1.78**
Trichloroethylene (TCE)	**3.96**
Trichlorofluoromethane	**14.2**

40' 0 40'

LEGEND

- BCP SITE BOUNDARY
- SB–1 LOCATION AND DESIGNATION OF SOIL BORING
- MW–1 LOCATION AND DESIGNATION OF MONITORING WELL
- SV–1 LOCATION AND DESIGNATION OF SOIL VAPOR MONITORING POINT
- 50 FT ALPHANUMERIC GRID
- BCP BROWNFIELD CLEANUP PROGRAM

TYPICAL DATA BOX INFORMATION

SAMPLE DESIGNATION — SAMPLE DATE

SV-5	9/28/17
VOCs	
1,1-Dichloroethane	**4.53**
2-Hexanone	**3.37**
Carbon Disulfide	**1.11**
Chloroform	**8.79**
Chloromethane	**0.956**
Methyl Ethyl Ketone (2-Butanone)	**4.63**
Tetrachloroethylene (PCE)	**22.8**
Toluene	**0.984**
Trichlorofluoromethane	**23.8**

ANALYTE — CONCENTRATION IN ($\mu g/m^3$)

ug/m^3 - Micrograms per cubic meter
DUP - Duplicate Sample
Bold data indicates that parameter was detected

N

Title:

SOIL VAPOR SAMPLE DETECTIONS

1 JAVA STREET/GREENPOINT FERRY SITE

Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: E.B.	Date: 15MAR21	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	7
Project Mgr: J.W.	Project: 3583.0001Y000	
File: 3583.0001Y110.03.DWG		

V:\CAD\PROJECTS\3583Y\0001Y110\3583.0001Y110.03.DWG

APPENDICES

A. Site-Specific Health and Safety Plan

B. Community Air Monitoring Plan

APPENDIX A

Site-Specific Health and Safety Plan

Site-Specific Health and Safety Plan

1 Java Street
(aka 127-141 West Street and
14-28 India Street)
Brooklyn, New York

March 23, 2021

Prepared for:

Lendlease Development Inc.
200 Park Avenue, 9th Floor
New York, New York 10166

Prepared by:

Roux Environmental Engineering and Geology, D.P.C..
209 Shafter Street
Islandia, New York 11749

3583.0001Y104/CV

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G. Heavy Equipment Exclusion Zone Policy

Site-Specific Emergency Information

Emergency Phone Numbers

Most emergency services can be obtained by calling **911**. Where 911 service is not available, use the telephone numbers provided in the below table. The following is a master emergency phone list for use by the project management personnel. A more condensed version of the emergency numbers listed below will be posted throughout project work areas. Emergencies encountered on the site will be responded to by a combination of off-site emergency services and on-Site personnel.

Emergency Contact Information			
Site Personnel			
Title	**Contact**		**Telephone**
Office Manager (OM)	Michael Ritorto, P.G.		(631) 445-4576
Project Principal (PP)	Robert Kovacs		(516) 250-0359
Project Manager (PM)	Emily Butler		(719) 494-6722
Project Manager (PM)	Jeffrey Wills		(516) 637-0213
Site Supervisor (SS)	Vanessa Ricigliano		(516) 633-9317
Site Health and Site Safety Officer (SHSO)	Vanessa Ricigliano		(516) 633-9317
Office Health and Safety Manager (OHSM)	Kristina DeLuca		(516) 830-1189
Corporate Health and Safety Manager (CHSM)	Brian Hobbs, CIH, CSP		(631) 807-0193
AllOne Health	Occupational Health Care Management Provider		(800) 350-4511
Client Emergency Contact	Erik Tinkhauser		(646) 532-9619
Construction Superintendent	Nicholas Mach		(347) 860-0922
Outside Assistance			
Agency	**Contact**	**Telephone**	**Address/Location**
Ambulance/emergency medical services (EMS)	CityMD Greenpoint Urgent Care	(718) 489-3549	795 Manhattan Avenue Brooklyn, NY 11222
Hospital	NYU Langone Medical Center	(212) 263-7300	550 1st Avenue New York, NY 10016
Police	New York City Police Department – 94th Precinct	(718) 383-3879	100 Meserole Avenue Brooklyn, NY 11222
Fire	FDNY Engine 238 & Ladder 106	(718) 999-2000	205 Greenpoint Avenue Brooklyn, NY 11222
Site Address	1 Java Street (aka 127-141 West Street and 14-28 India Street), Brooklyn, NY 11222		

CityMD Greenpoint Urgent Care:

- Head east on Java Street toward West Street
- Turn left at the 1st cross street onto West Street
- Turn right at the first cross street onto India Street
- Turn right onto Manhattan Avenue/Sgt. Nicholas Aleman Way
- Destination will be on the right

NYU Langone Medical Center:

- Head east on Java Street toward West Street
- Turn left at the 1st cross street onto West Street
- Turn right at the 3rd cross street onto Green Street
- Turn left onto McGuinness Boulevard
- Keep left to continue on Pulaski Bridge
- Slight right toward 49th Avenue
- Turn right onto 49th Avenue
- Turn right onto 11th Place
- Turn right onto 50th Avenue
- Turn left onto the I-495 W ramp
- Continue onto Queens Midtown Tunnel
- Use the left 2 lanes to turn left onto E 35th Street
- Turn right at the 1st cross street onto 2nd Avenue
- Turn left onto E 30th Street
- Turn left onto 1st Avenue
- Destination will be on the right

1. Introduction

This Site-specific Health and Safety Plan (HASP) has been prepared by Roux Environmental Engineering and Geology, D.P.C. (Roux) for use during the soil sampling and well abandonment activities at the 1 Java Street Site on behalf of Lendlease Development, Inc. (Lendlease) located in Brooklyn, NY (**Figure 1**). These activities fall within the scope of operations covered by the Occupational Safety and Health Administration (OSHA) standards promulgated at 29 CFR 1910.120 and 29 CFR 1926.65, both commonly referred to as the Hazardous Waste Operations and Emergency Response (HAZWOPER) Standard. In accordance with the HAZWOPER Standard, this Site-specific HASP was prepared to address the safety and health hazards associated with the soil sampling activities being performed at the Site by Roux and to provide requirements and procedures for the protection of Roux employees, subcontractor personnel, government oversight personnel, Site personnel, and the general public. It also addresses client- and Site-specific requirements for health and safety. Additionally, subcontractors may be required to submit their own HASP as it relates to their specific work activities and will be kept onsite during such work.

Implementation of this HASP is the joint responsibility of the Project Manager (PM), the Site Health and Safety Officer (SHSO), and all field staff, with assistance from the Project Principal (PP), Office Health and Safety Manager (OHSM), and Corporate Health and Safety Manager (CHSM). The PMs for this project are Jeffrey Wills and Emily Butler. The Site Supervisor (SS) and Site Health and Safety Officer (SHSO) is Vanessa Ricigliano.

This HASP will be introduced to, reviewed, and signed off on by all Roux personnel through a formal training session prior to commencing work. A copy of the HASP will be kept at the Site at all times. The Roux SHSO or PM will be responsible for posting any changes, amendments, memos, etc. to the HASP. Any revisions to this HASP will be signed by appropriate personnel, which can include Roux's PP, CHSM, and SS. Any changes will be announced to all workers at the next safety meeting.

1.1 Roles and Responsibilities

Overall Roles and Responsibilities (R&Rs) of Roux personnel are provided in Roux's Policies and Procedures Manual. Only those R&Rs specific to HASP requirements are listed below.

Project Manager (PM)

The PM has responsibility and authority to direct all work operations. The PM coordinates safety and health functions with the Site Health and Safety Officer (SHSO), has the authority to oversee and monitor the performance of the SHSO, and bears ultimate responsibility for the proper implementation of this HASP. The specific duties of the PM are:

- Preparing and coordinating the Site work plan;
- Providing Site supervisor(s) with work assignments and overseeing their performance; Coordinating safety and health efforts with the SSHO;
- Ensuring effective emergency response through coordination with the Emergency Response Coordinator (ERC); and
- Serving as primary Site liaison with public agencies and officials and Site contractors.

Site Health and Safety Officer (SHSO)

The SHSO has the full responsibility and authority to develop and implement this HASP and to verify compliance. The SHSO reports to the Project Manager. The SHSO is on Site or readily accessible to the Site during all work operations and has the authority to halt Site work if unsafe conditions are detected. The specific responsibilities of the SHSO include:

- Managing the safety and health functions on this Site;
- Serving as the Site's point of contact for safety and health matters;
- Ensuring Site monitoring, worker training, and effective selection and use of PPE;
- Assessing Site conditions for unsafe acts and conditions and providing corrective action;
- Assisting the preparation and review of this HASP;
- Maintaining effective safety and health records as described in this HASP; and
- Coordinating with the Site Supervisor(s) and others as necessary for safety and health efforts.

Site Supervisor

The Site Supervisor is responsible for field operations and reports to the Project Manager (PM). The Site Supervisor ensures the implementation of the HASP requirements and procedures in the field. The specific responsibilities of the Site Supervisor include:

- Executing the work plan and schedule as detailed by the PM;
- Coordination with the SHSO on safety and health; and
- Ensuring Site work compliance with the requirements of this HASP.

Employees

All Roux employees are responsible for reading and following all provisions of the Corporate Health and Safety Manual, including this HASP. Employees report to the SS at the project Site. Each employee is also responsible for the following:

- Wearing all appropriate PPE as outlined within this HASP;
- Attending all safety meetings;
- Inspecting tools and equipment prior to use, and taking any defective tools or equipment out of service;
- Appropriately documenting field events as they occur within a logbook or equivalent;
- Properly operating machinery and/or equipment only if trained to do so;
- Stopping work operations if unsafe conditions exist;
- Identifying and mitigating hazards when observed;
- Reporting all incidents and near misses to the Roux SHSO and SS immediately; and
- Knowing where emergency equipment is located (e.g., first aid kit, fire extinguisher).

Subcontractors and Visitors

Subcontractors and visitors are responsible for complying with the same health and safety requirements. It is the responsibility of all to make sure subcontractors and visitors comply and uphold the HASP. Subcontractors and visitors have the following additional responsibilities:

- Designating a qualified safety representative for the project that can make the necessary changes in work practices, as necessary;

- Attending all safety meetings while participating in Roux Site work activities;
- Reporting all incidents and near misses to Roux SHSO and SS immediately;
- Conducting initial and periodic equipment inspections in accordance with manufacturer and regulatory guidelines; and
- Providing copies of all Safety Data Sheets (SDS) to Roux SHSO for materials brought to the Site.

2. Background

Relevant background information is provided below, including a general description of the Site; a brief review of the Site's history with respect to hazardous material use, handling, and/or storage; and a review of known and potential releases of hazardous substances at the Site.

2.1 Site Description

The Site consists of two vacant warehouse-style buildings which do not have any active tenants. There is also an active New York City East River ferry terminal on the western portion of the property that will remain as part of the proposed Site development. The planned redevelopment of the Sites entails the construction of two towers for residential use. The Site is currently enrolled into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (Site #C224272). Data from previous investigations completed by Roux indicate that there is a layer of fill across the Site with elevated levels of polycyclic aromatic hydrocarbons (PAHs) and metals in exceedance of the NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives (RRSCOs), which is the applicable SCOs for the anticipated future use of the Site.

2.2 Site History

This section of Brooklyn has an industrial past that has caused subsurface impacts in the surrounding area. The Site was developed sometime prior to 1887, with the current Site buildings constructed by circa 1942. Historical Site uses include lumber storage (including the presence of a drying kiln) and planning mill between 1887 until the 1940s (western portion of the Site) and 1952 (eastern portion of the Site); an Independent Energy Plant (IEP); a sash, door and blind factory; sheet metal works; truck repair; gasoline tank and pumps for fueling; bottling plant warehouse; plastics manufacturer; cargo storage; and parking. A machine shop and sawmill are noted south and east of the property in the late 1800s, a brass foundry is noted to the southeast from 1905 to at least 1928, and a garage utilizing gasoline tanks is noted from 1942 to 2007.

2.3 Known and Potential Releases of Hazardous Substances at the Site

The results of previous investigations show the presence of a fill layer across the Site containing elevated levels of PAHs and metals in exceedance of the NYSDEC Part 375 RRSCOs. Groundwater data indicates metals were identified in concentrations above the applicable standards however, groundwater is not anticipated on being encountered during soil characterization work or redevelopment of the Site.

3. Scope of Work

The proposed SOW will include the installation of soil borings to be completed using hand tools (e.g., post hole digger, shovel, hand-auger, air knife, etc.) and Geoprobe direct push drill rig to depths ranging between two and eight feet below land surface (ft bls) for the collection of soil characterization samples. The majority of the soil boring will be completed within the existing onsite building. Utility clearance activities will be completed to two ft bls (at locations only being advanced to two ft bls) and five ft bls at all other locations using soft-digging methods (hand tools, vacuum assisted technology, etc.). Following utility clearance activities at soil borings being advanced to eight ft bls, soil sampling will be completed to eight ft bls using a Geoprobe. If utilities or underground storage tanks (USTs) are encountered during utility clearance activities, the location will be moved, as appropriate, and cleared using the above procedure. Once each boring has been completed, each borehole will be backfilled to grade and cold-patched with asphalt or restored to surrounding conditions.

Soil from each of the borings will be visually inspected for evidence of impacts and screened for organic vapors in the field using a PID. Soil lithology will be recorded according to the Unified Soils Classification System (USCS). For soil samples collected from the shallow 0-2 ft bls interval, one composite sample will be collected per three borings for full total and waste characterization analysis. All other samples will be collected for both totals and full waste characterization however, the full waste characterization analyses will be placed on hold, pending the results of the totals. Grab samples for VOCs and EPH will be collected at a frequency of one sample per soil characterization sample, unless impacts are observed during field work, in which case additional VOC grab samples may be collected.

Excess soil cuttings from the soil borings, if generated, will be containerized onsite in 55-gallon Department of Transportation (DOT)-approved drums pending characterization and proper offsite disposal.

Additionally, the five monitoring wells (MW-1 through MW-5) at the Site will be decommissioned. The wells will be abandoned using the grout-in-place method in accordance with NYSDEC CP-43 guidance. During well decommissioning activities, all surface features (well boxes and pads) will be removed and a standard grout mix will be tremie piped into each well. The surfaces will be completed with cold patch asphalt at grade. Grout will be mixed onsite in 55-gallon drums.

Roux will also provide oversight during Site redevelopment activities, which will include the excavation of soil for offsite disposal and onsite reuse. Roux will implement a community air monitoring plan (CAMP) during all construction ground intrusive activities (see Appendix B of IRM Work Plan).

Non-routine activities that may be performed by Roux personnel include the following:

- Limited site inspections;
- Oversight of Roux subcontractor personnel during horizontal/vertical datum and geophysical surveying activities; and
- Oversight of Roux subcontractor personnel during disposal of investigation-derived waste.

If there are any changes with the scope or work a revision of the HASP will be required to address any new hazards.

4. Site Control

This Site control program is designed to reduce the spread of hazardous substances from contaminated areas to clean areas, to identify and isolate contaminated areas of the Site, to facilitate emergency evacuation and medical care, to prevent unauthorized entry to the Site, and to deter vandalism and theft.

4.1 Site Map

A map of this Site, showing Site boundaries, designated work zones, and points of entry and exit is provided in **Figure 2**.

4.2 Site Access

Access to the work areas at the Site is restricted to reduce the potential for exposure to its safety and health hazards. The properties are vacant, and it is Roux's understanding that Site entry and exit is authorized/controlled by locked rollup doors on India Street when no activity is occurring onsite.

4.3 Buddy System

This section may not applicable for all components of the SOW described in Section 3. Some limited Site activities as described in Section 3, if required, may be completed by a single Roux employee alone, accompanied by Roux subcontractor personnel, or accompanied by the Site caretaker/other representatives from the Client. Any time Roux is on-Site, the Client will be made aware and communications with the Client and the Roux PM will be maintained via cellular phone.

While working in the Exclusion Zone, Site workers use the buddy system. The buddy system means that personnel work in pairs and stay in close visual contact to be able to observe one another and summon rapid assistance in case of an emergency. The responsibilities of workers using the buddy system include:

- Remaining in close visual contact with partner;
- Providing partner with assistance as needed or requested;
- Observing partner for signs of heat stress or other difficulties;
- Periodically checking the integrity of partner's PPE; and
- Notifying the Site manager or other Site personnel if emergency assistance is needed.

4.4 Site Communications

The following communication equipment is used to support on-Site communication: Roux and subcontractor personnel cellular phones and visual hand signals.

As applicable, hand signals will be used according to the following:

Hand Signals

SIGNAL	MEANING
Hand gripping throat	Out of air, can't breathe
Grip partner's wrist	Leave area immediately

Hand Signals

SIGNAL	MEANING
Hands on top of head	Need assistance
Thumbs up	I'm all right, okay
Thumbs down	No, negative

A current list of emergency contact numbers is included in the Site-Specific Emergency Information at the beginning of this HASP.

4.5 Site Work Zones

The SOW does not require the implementation of work zones aside from temporary Exclusion Zones in the immediate vicinity of each soil boring; however, should the need arise, this section provides details for the proper execution of work zones at this Site.

This Site is divided into three (3) major zones, described below. These zones are characterized by the likely presence or absence of biological, chemical, or physical hazards and the activities performed within them. Zone boundaries are clearly marked at all times and the flow of personnel among the zones is controlled. The Site is monitored for changing conditions that may warrant adjustment of zone boundaries. Zone boundaries are adjusted as necessary to protect personnel and clean areas. Whenever boundaries are adjusted, zone markings are also changed and workers are immediately notified of the change.

Exclusion Zone

The area where contamination exists is the Exclusion Zone (EZ). All areas where excavation and handling of contaminated materials take place are considered part of the EZ. This zone will be clearly delineated by chain link fencing, caution tape, cones or other effective barriers, as necessary. Safety tape may be used as a secondary delineation within the EZ. The zone delineation markings may be opened in areas for varying lengths of time to accommodate equipment operation or specific construction activities. The SHSO may establish more than one EZ where different levels of protection may be employed or where different hazards exist. Personnel are not allowed in the EZ without:

- A buddy (co-worker);
- Required minimum level PPE;
- Medical authorization;
- Training certification; and
- Requirement to be in the zone.

Contamination Reduction Zone

A Contamination Reduction Zone (CRZ) is established between the exclusion zone and the support zone. The CRZ contains the Contamination Reduction Corridor (CRC) and provides an area for decontamination of personnel and equipment. The CRZ will be used for general Site entry and egress in addition to access for heavy equipment and emergency support services. Personnel are not allowed in the CRZ without:

- A buddy (co-worker)

- Appropriate PPE
- Medical authorization
- Training certification
- Requirement to be in the zone

Support Zone

The Support Zone (SZ) is an uncontaminated area that will be the field support area for the Site operations. The SZ will contain, if required, temporary project trailers and provisions for field team communications and staging for emergency response. Appropriate sanitary facilities and safety equipment will be located in this zone. Potentially contaminated personnel or materials are not allowed in this zone. The only exception will be appropriately packaged/decontaminated and labeled samples.

5. Job Hazard Evaluation

Roux's work at the Site is expected to entail a variety of physical, chemical, and biological hazards, all of which must be sufficiently managed to allow the work to be performed safely. Some of the hazards are Site-specific (i.e., they are associated with the nature, physical characteristics, and/or routine operation of the Site itself), while others are activity-specific (i.e., they are associated with [or arise from] the particular activity being performed). The various hazards can be grouped into the following categories:

- **Caught/Crushed** – the potential to become caught in, under, between, or by an object or parts of an object, such as equipment with parts that open and close or move up and down ("pinch points") or equipment that rotates, and the accompanying potential to have body parts cut, mangled, or crushed thereby.
- **Contact** – the potential to be struck by or against moving or stationary objects that can cause physical injury, such as heavy machinery, overhead piping, moving vehicles, falling objects, and equipment (including tools and hand-held equipment) or infrastructure with the ability to cut or impale.
- **Energy Sources** – the potential for bodily harm associated with energy sources, most notably electricity, but also including latent energy sources such as compressed air and equipment under tension (which when released could cause injurious contact or a fall).
- **Ergonomics** – the potential for musculoskeletal injury associated with lifting/carrying, pushing/pulling, bending, reaching, and other physical activity attributable to poor body position/mechanics, repetitive motion, and/or vibration.
- **Exposure** – the potential for injury/illness due to physical, chemical, or biological exposures in the work environment, including but not limited to temperature extremes, solar radiation, and noise (physical), chemical splashes and hazardous atmospheres (chemical), and animal/insect bites and poisonous plants (biological).
- **Falls** – the potential to slip or trip and thus fall or drop a load, resulting in bodily injury to oneself or others.

The foregoing is intended to provide Roux employees with a general awareness of the hazards involved with Site work. A more detailed review of the potential hazards associated with each specific activity planned for the Site (or on-going activity, as the case may be) is provided in the activity-specific Job Safety Analysis (JSA) forms in **Appendix A**. As can be seen in the JSA forms, the hazards are identified by category per the above, and specific measures designed to mitigate/manage those hazards are also identified. In preparing the JSA forms, all categories of hazards were considered, and all anticipated potential hazards were identified to the extent possible based on the experience of the personnel preparing and reviewing the JSA forms. However, there is always the possibility for an unanticipated hazard to arise, potentially as condition change over the course of the workday. Roux personnel must maintain a continual awareness of potential hazards in the work zone, regardless of whether the hazard is identified in the JSA form. Particular attention should be paid to hazards associated with exposure to hazardous substances (see **Table 1** for a listing of the hazardous substances most likely to be encountered in environmental media at the Site) and to Site personnel being located "in the line of fire" with respect to moving equipment, pinch points, and latent energy (e.g., being located or having body parts located within the swing radius of an excavator, between two sections of pipe being connected, below a piece of suspended equipment, or adjacent to a compressed air line). Job hazards will be reviewed before activities take place during the day during the safety tailgate meeting and attendance and key points of the tailgate will be logged using the tailgate form in **Appendix B**.

5.1 Hazard Communication and Overall Site Information Program

The information in the JSAs and safety data sheets is made available to all employees and subcontractors who could be affected by it prior to the time they begin their work activities. Modifications to JSAs are communicated during routine pre-work briefings.

The information in the JSAs and Safety Data Sheets (SDSs) is made available to all employees and subcontractors who could be affected by an exposure to the hazards covered in them prior to the time they begin their work activities. Modifications to JSAs are communicated during routine pre-work briefings, and periodically updated as needed in the HASP. SDSs will be maintained by the SHSO/SS for new chemicals brought on-Site as needed. Copies of SDSs can be found in **Appendix C**.

5.2 Noise

Noise is associated with the operation of heavy equipment, power tools, pumps, and generators. Noise is also a potential hazard when working near operating equipment such as excavators, drill rigs or pole drivers. High noise (i.e., < 85 dBA) operations may be evaluated by the SHSO utilizing a type 2 handheld sound level meter (SLM) operating on the "A"-weighted scale with slow response because this scale most closely resembles human response to noise and complies with OSHA 29 CFR 1910.95. Hearing protection is required in areas with noise exposure greater than 85 dBA. Double hearing protection (ear plugs and earmuffs) are required in areas where the noise exposure is more than 95 dBA. Noise exposure will be controlled by hearing protection as described above or by maintaining set-backs from high-noise equipment, as warranted. Personnel handling heavy equipment and using power tools that produce noise levels exceeding those described levels above are required by OSHA 29 CFR 1910.95 to wear the appropriate Noise Reduction Rating (NRR) level of hearing protection. Appropriate hearing protection will be evaluated by the SHSO as necessary in consultation with the OHSM and CHSM.

5.3 Biological Hazards

Biological hazards that may potentially be present at a Site, include poisonous plants, insects (ticks, spiders, bees), animals (snakes, dogs), etc. Information on biological hazards can be found within Roux's Biological Hazard Awareness Management Program located within Roux's Corporate Health and Safety Manual. There is also potential for transmission and/or exposure to SARS-CoV-2, the virus that causes COVID-19. Prior to beginning work, on-Site protocols shall be established by the project team, including subcontractors, in accordance with federal, state, county, city, and/or other guidance, as applicable and consistent with **Appendix D**. Government guidance/orders generally consist of implementation of the following protocols/procedures (or some variation thereof):

- Self-monitoring for symptoms;
- Fitness check for work each day;
- Limiting businesses to "essential" operations;
- Social distancing (generally 6 feet);
- Cloth face masks/ coverings;
- Hand washing/ disinfectant use; and
- Care/ awareness of surroundings (public spaces, equipment, hotel rooms, rental cars).

Additional guidance on minimizing potential exposure to SARS-CoV-2, including a JSA, are included in **Appendix D**.

6. Emergency Response Plan

This emergency response plan details actions to be taken in the event of Site emergencies. The PM and SHSO is responsible for the implementation of emergency response procedures onsite. The SHSO/PM provides specific direction for emergency action based upon information available regarding the incident and response capabilities and initiates emergency procedures and notification of appropriate authorities. In the event of an emergency, Site personnel are evacuated and do not participate in emergency response activities, response is facilitated through external emergency services.

6.1 Emergency Response

The SHSO, after investigating the incident and relevant information, shall determine the level of response required for containment, rescue and medical care. Limited on-Site emergency response activities could occur therefore the SHSO is responsible for notifying external emergency response agencies. The SHSO provides relevant information to the responding organizations, including but not limited to the hazards associated with the emergency incident, potential containment problems, and missing Site personnel.

6.2 Emergency Alerting and Evacuation

If evacuation notice is given, Site workers leave the worksite, if possible, by way of the nearest exit. Appropriate primary and alternate evacuation routes and assembly areas have been identified and are shown on the Site Plan with Emergency Muster Area (**Figure 2**). The routes and assembly area will be determined by conditions at the time of the evacuation based on wind direction, the location of the hazard source, and other factors as determined by SHSO/PM.

Personnel exiting the Site gather at a designated assembly point. To determine that everyone has successfully exited the Site, personnel will be accounted for at the assembly point. If any worker cannot be accounted for, notification is given to the SHSO, PM, and any arriving response authorities so that appropriate action can be initiated. Subcontractors on this Site have coordinated their emergency response plans to ensure that these plans are compatible and potential emergencies are recognized, alarm systems are clearly understood, and evacuation routes are accessible to all personnel relying upon them.

6.3 Emergency Medical Treatment and First Aid

In the event of a work-related injury or illness, employees are required to follow the procedures outlined below. All work-place injury and illness situations require Roux's Project and Corporate Management Team to be notified when an injury/illness incident occurs, and communication with the contracted Occupational Health Care Management Provider, AllOne Health (AOH), is initiated. The Injury/Illness Notification Flowchart is provided below and within Roux's Incident Investigation and Reporting program included within Roux's Corporate Health and Safety Manual.

If on-Site personnel require any medical treatment, the following steps will be taken:

a. Notify Roux's Project and Corporate Management Team for any work-related injury and/or illness occurrence, and communicate with the contracted Occupational Health Care Management Provider, AOH, immediately following the notifications provided above.

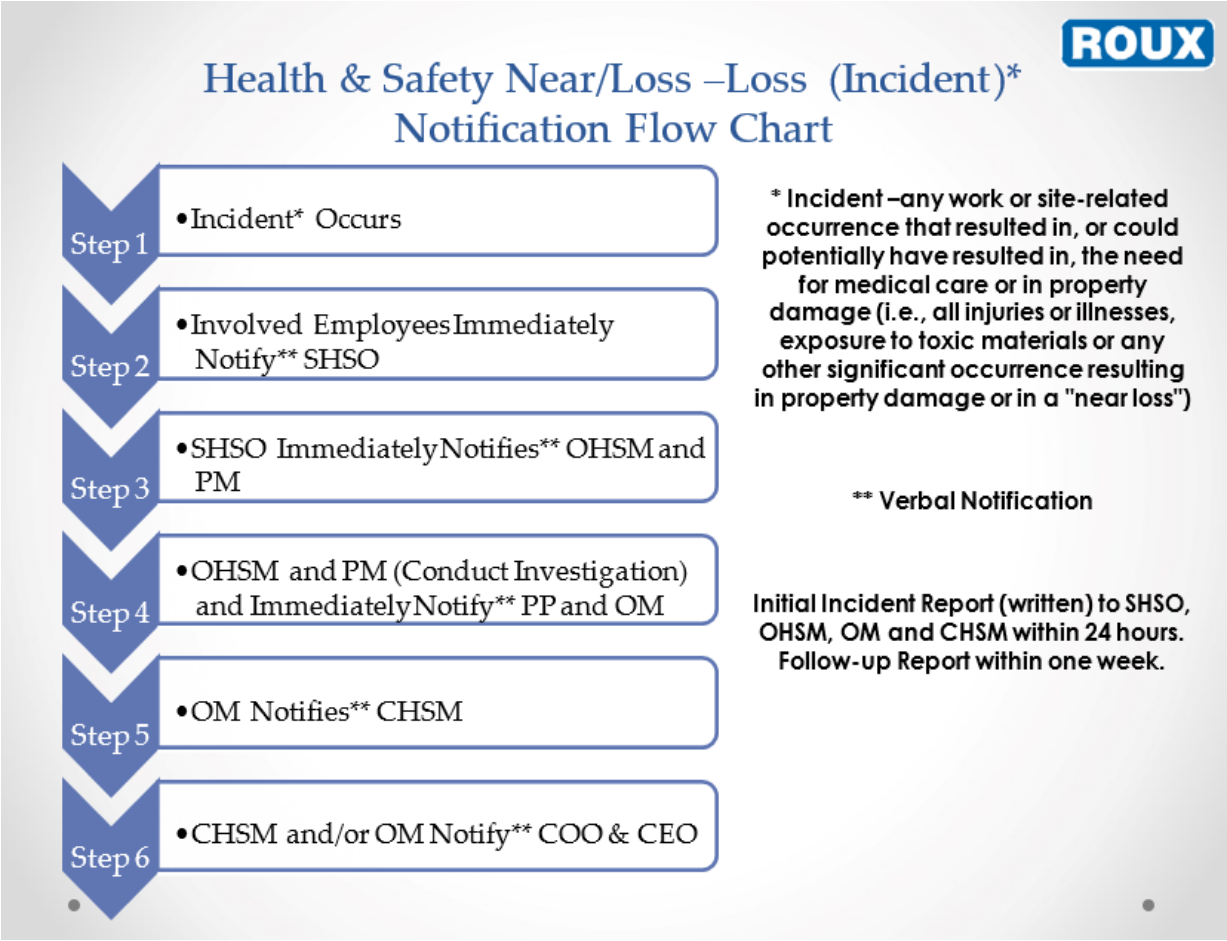
b. Based on discussions with the Project Team, Corporate Management and the AOH evaluation, if medical attention beyond onsite First Aid is warranted, transport the injured / ill person (IP) to the Urgent Care Center, or notify the Fire Department or Ambulance Emergency service and request an

ambulance or transport the victim to the hospital, and continue communications with Corporate Management Team. An Urgent Care/Hospital Route map with location to CityMD Greenpoint Urgent Care and NYC Health + Hospitals/Gotham Health is included as **Figure 3**.

c. Decontaminate to the extent possible prior to administration of first aid or movement to medical or emergency facilities.

d. First aid medical support will be provided by onsite personnel trained and certified in First Aid, Cardio Pulmonary Resuscitation (CPR), Automatic External Defibrillation (AED), and Blood-Borne Pathogens (BBP) Awareness, until relieved by emergency medical services (EMS).

e. The SHSO and Project Manager will perform a Loss Investigation (LI) and the Project Team will complete the final Loss Report. If a Roux employee is involved in a vehicular incident, the employee must also complete the Acord Automobile Loss Notice.



6.4 Adverse Weather Conditions

In the event of adverse weather conditions, the SHSO or project principal will determine if work can continue without sacrificing the health and safety of all field workers. Some of the items to be considered prior to determining if work should continue are:

- Potential for heat stress and heat-related injuries;
- Potential for cold stress and cold-related injuries;
- Treacherous weather-related conditions;

- Limited visibility; and
- Electrical storm potential.

Site activities will be limited to daylight hours and acceptable weather conditions. Inclement working conditions include heavy rain, fog, high winds, and lightning. Observe daily weather reports and evacuate if necessary in case of inclement weather conditions.

6.5 Electrical Storm Guidelines

In the event that lightning and/or thunder are observed while working onsite, all onsite activities shall stop and personnel shall seek proper shelter (e.g., substantial building, enclosed vehicle, etc.). Work shall not resume until the threat of lighting has subsided and no lightning or thunder has been observed for 30 minutes. If the possibility of lightning is forecast for the day, advise the onsite personnel on the risks and proper procedure at the pre-work safety briefing. Continuously monitor for changing weather conditions and allow enough time to properly stop work if lightning is forecast.

7. Safety Procedures

This section of the HASP presents the specific safety procedures to be implemented during Roux's activities at the Site in order to protect the health and safety of various on-Site personnel. Minimum OSHA-mandated procedures are presented first, followed by client- and Site-specific procedures. Lastly, activity-specific procedures are discussed. These Site and activity-specific procedures supplement the general safety procedures included in Roux's Corporate Health and Safety Manual, which also must be followed in their entirely.

7.1 Training

At a minimum, Site personnel who will perform work in areas where there exists the potential for toxic exposure will be health and safety-trained prior to performing work onsite per OSHA 29 CFR 1910.120(e) and 29 CFR 1926.65(e). More specifically, all Roux, subcontractor, and other personnel engaged in sampling and remedial activities at the Site and who are exposed or potentially exposed to hazardous substances, health hazards, or safety hazards must have received at a minimum the 40 hour initial HAZWOPER training consistent with the requirements of 29CFR 1910.120(e)(3)(i) training and a minimum of 3 days' actual field experience under the direct supervision of a trained experienced supervisor, plus 8 hours of refresher training on an annual basis. Depending on tasks performed, less training may be permitted. Evidence of such training must be maintained at the Site at all times. Furthermore, all on-Site management and supervisory personnel directly responsible for or who supervise the employees engaged in Site remedial operations, must have received an additional 8 hours of specialized training at the time of job assignment on topics including, but not limited to, the employer's safety and health program and the associated employee training program, personal protective equipment program, spill containment program, and health hazard monitoring procedure and techniques, plus 8 hours of refresher training on an annual basis.

Roux personnel training records are maintained in a corporate database with records available upon request from either the OHSM/SHSO/CHSM or Human Resources Department.

7.2 Site-Specific Safety Briefings for Visitors

A Site-specific briefing is provided to all site visitors who enter this site beyond the site entry point. For visitors, the site-specific briefing provides information about site hazards, the site lay-out including work zones and places of refuge, the emergency alarm system and emergency evacuation procedures, and other pertinent safety and health requirements as appropriate.

7.3 HASP Information and Site-Specific Briefings for Workers

Site personnel review this HASP and are provided a Site-specific tailgate briefing prior to the commencement of work to ensure employees are familiar with this HASP and the information and requirements it contains, as well as the relevant JSAs included in **Appendix A**. Additional briefings are provided as necessary to notify employees of any changes to this HASP as a result of information gathered during on-going Site characterization and analysis of changing conditions. Conditions for which we schedule additional briefings include, but are not limited to: changes in site conditions, changes in the work schedule/plan, newly discovered hazards, and incidents occurring during Site work.

7.4 Medical Surveillance

The medical surveillance section of the Health and Safety Plan describes how worker health status is monitored at this site. Medical surveillance is used when there is the potential for worker exposure to hazardous substance at levels above OSHA permissible exposure limits or other published limits. The purpose of a medical surveillance program is to medically monitor worker health to ensure that personnel are not adversely affected by site hazards. The provisions for medical surveillance at this site are based on the site characterization and job hazard analysis found in Section 4 of this HASP and are consistent with OSHA requirements in 29 CFR 1910.120(f) as applicable.

7.4.1 Site Medical Surveillance Program

Medical surveillance requirements are based on a worker's potential for exposure as determined by the site characterization and job hazard analysis documented in Section 4 and JSAs within **Appendix A** of this HASP and in compliance with the requirements of 29 CFR 1910.120(f)(2). Based on site information and use of direct reading instruments, limited use of respirators (less than 30 days per year), and the absence of an employee-staffed HAZMAT team, a limited medical surveillance program is required and implemented at this site. The medical surveillance program provides that:

1. Workers assigned to tasks requiring the use of respirators receive medical examinations in accordance with 29 CFR 1910.134(e) to ensure they are physically capable to perform the work and use the equipment, and
2. If a worker is injured, becomes ill, or develops signs or symptoms of possible over-exposure to hazardous substance or health hazards, medical examinations are provided to that worker as soon as possible after the occurrence and as required by the attending physician.
3. These medical examinations and procedures are performed by or under the supervision of a licensed physician and are provided to workers free of cost, without loss of pay, and at a reasonable time and place. In addition, the need to implement a more comprehensive medical surveillance program will be re-evaluated after any apparent over-exposure.

7.4.2 Medical Recordkeeping Procedures

Medical recordkeeping procedures are consistent with the requirements of 29 CFR 1910.1020 and are described in the company's overall safety and health program. A copy of that program is available at our Islandia, New York office.

The following items are maintained in worker medical records:

- Respirator fit test and selection;
- Physician's medical opinion of fitness for duty (pre-placement, periodic, termination);
- Physician's medical opinion of fitness for respirator protection (pre-placement, periodic); and
- Exposure monitoring results.

7.4.3 Program Review

The medical program is reviewed to ensure its effectiveness. The Corporate Health and Safety Manager in coordination with the Human Resources Director is responsible for this review. At minimum, this review consists of:

- Review of accident and injury records and medical records to determine whether the causes of accidents and illness were promptly investigated and whether corrective measures were taken wherever possible;

- Evaluation of the appropriateness of required medical tests based on site exposures; and
- Review of emergency treatment procedures and emergency contacts list to ensure they were site-specific, effective, and current.

7.5 Personnel Protection

Site safety and health hazards are eliminated or reduced to the greatest extent possible through engineering controls and work practices. Where hazards are still present, a combination of engineering controls, work practices and PPE are used to protect employees. Appropriate personal protective equipment (PPE) shall be worn by Site personnel when there is a potential exposure to chemical hazards or physical hazards (e.g., falling objects, flying particles, sharp edges, electricity, and noise), as determined by the SHSO. The level of personal protection, type and kind of equipment selected will depend on the hazardous conditions and in some cases cost, availability, compatibility with other equipment, and performance. An accurate assessment of all these factors will be made before work can be safely executed.

Roux maintains a comprehensive written PPE program that addresses proper PPE selection, use, maintenance, storage, fit and inspection. Roux's PPE program can be found within **Appendix E**. PPE to be used at the Site will meet the appropriate American National Standards Institute (ANSI) standards and the following OSHA (General/Construction Industry) standards for minimum PPE requirements.

The minimum level of PPE for entry onto the Site is Level D. The following equipment shall be worn:

- Work uniform (long pants, sleeved shirt);
- Hard hat;
- Steel or composite toe work boots;
- Safety Glasses (must comply with one of the following ANSI/ISEA Z87.1-2010, ANSI Z87.1-2003, ANSI Z87.1-2003);
- Boot Covers (as needed);
- Hearing protection (as needed);
- High visibility clothing (shirt/vest); and
- Hand protection (e.g., minimum cut resistance meeting ANSI 105-2000 Level 2).

Note that jewelry shall be removed or appropriately secured to prevent it from becoming caught in rotating equipment or unexpectedly snagged on a fixed object (e.g., wrist watches, bracelets, rings, chains and necklaces, open earrings). Do not wear loose clothing and all shoulder-length hair should be tied back.

Site specific PPE ensembles and materials are identified within task specific JSAs located within **Appendix A**, and any upgrades or downgrades of the level of protection (i.e., not specified in the JSA) must be approved by the PP and immediately communicated to all Roux personnel and subcontractors as applicable. PPE is used in accordance with manufacturer's recommendations.

7.5.1 Hearing Conservation

Hearing protection is made available when noise exposures equal or exceed an 8-hour time-weighted average sound level of 85 dBA. Hearing protection is required when the 8-hour time weighted average sound level $\geq$ 90 dBA. Where noise exposure meets or exceeds this level, noise is listed as a physical hazard in the JSA for the tasks/operation, and hearing protection is included as one of the control measures (PPE).

7.6 Monitoring

An air monitoring program is important to the safety of on- and off-Site personnel, and the surrounding area. A preliminary survey, to establish background conditions in the immediate sampling area, may be made prior to the initiation of Site work including, but not limited to, monitoring wind direction (e.g., wind socks) and approximate temperature during all invasive Site activities. This survey will be conducted with the appropriate pre-calibrated air monitoring instrument(s), as warranted by the field activity. Once this survey has been complete, any changes in the type of PPE will be determined and relayed to those working on-Site.

CAMP will be implemented during Site redevelopment (ground intrusive) activities in accordance with the CAMP (see Appendix B of IRM Work Plan).

Work zone air monitoring will be performed to verify that the proper level of PPE is used, and to determine if increased protection or work stoppage is required. The following equipment shall be used to monitor conditions:

- A Photoionization Detector (PID) with a lamp energy of 10.6 eV will be used to provide direct readings of organic vapor concentrations during intrusive activities to determine that personnel protection is adequate. Concentrations shall be recorded during intrusive activities with the potential to encounter contaminant vapors.
- Colorimetric detection tubes shall be used based on PID action levels to qualitatively identify possible contaminants as applicable.
- A pre-calibrated multi-gas meter with combustible Lower Explosive Limit (LEL), oxygen (O_2), carbon monoxide (CO), and hydrogen sulfide (H_2S) sensors shall be used to monitor the potential for oxygen-deficient atmospheres, explosive concentrations of organic vapors, and toxic gases during intrusive operations. Monitoring will be performed according to the action levels for oxygen and combustible gases provided in this section. The calibration for this device will be performed using a known gas composition calibration mixture.

Personal exposure monitoring utilizing activated charcoal tubes may be considered based on whether or not the area sample results are at or above half of the PEL. The decision to perform the monitoring will be made by, and under the control of, the CHSM.

Below are monitoring action levels for Site-specific chemicals of concern. In the event PID readings above the thresholds identified below are sustained for 5 minutes in the breathing zone, worker protection will require upgrading following notification to the OHSM and applicable parties (e.g., client, board of health, regulators, etc.).

7.6.1 Action Levels for Air Monitoring

PPE can remain at Level D if breathing zone VOC concentrations are less than 5 ppm and benzene is non-detect. Personnel are required to evacuate the Site when breathing zone VOC readings exceed 25 ppm.

The following tables include summaries of the air monitoring, work practices, and action levels for the expected contaminants. The action levels to initiate testing with colorimetric tubes for airborne volatiles is 1 ppm (PID reading) and is based on the Permissible Exposure Limit (PEL) for benzene (1 ppm). The colorimetric tubes are used to confirm the presence or absence of specific constituents, and they do not provide a measured concentration.

Air Monitoring Summary and Action Levels Organic Vapors	
PID Reading in Breathing Zone (ppm)[1]	**Action**
0-1 ppm above background[2]	Continue monitoring
1-5 ppm sustained 60 seconds	Continue monitoring, if applicable initiate additional collection of benzene using colorimetric tubes.
<5 ppm and no presence of benzene	Continue Monitoring, ventilate space
≥ 5 ppm - ≤ 25 ppm and no presence of benzene	Ventilate space until PID reads < 5 ppm. If < 5 ppm cannot be achieved, upgrade to Level C[3].
≥ 25 ppm	Ventilate space and evacuate area.

1 Based on relative response/sensitivity of PID to benzene.
2 Background concentrations should be established at the beginning of each work day. It may be necessary to re-establish background concentrations and ambient conditions vary through the day.
3 Measured air concentrations of known organic vapors will be reduced by the respirator to one half of the PEL or lower, and the individual and combined compound concentrations shall be within the service limit of the respirator cartridge.

Air Monitoring Summary and Action Levels Oxygen	
O_2 Reading in Breathing Zone (%)[1]	**Action**
20.9% O_2	Oxygen level normal
< 19.5% O_2	Oxygen deficient Interrupt task/Evacuate area
>23.5% O_2	Oxygen enriched Interrupt task/Evacuate area

1. Action levels based on USEPA Standard Operating Safety Guides; Table 5-1, Atmospheric Hazard Action Guidelines may be further restricted based on the CHSM's professional judgment and experience.

Air Monitoring Summary and Action Levels Carbon Monoxide	
CO Reading in Breathing Zone (ppm)[1]	**Action**
<25 ppm	Inspect exhaust system for leaks or other sources of CO. Monitor initially and every 15 minutes during use of CO-generating equipment.
25-50 ppm	Ventilate area. Monitor continuously and record measurements. Contact PM.
>50 ppm	Cease Field Operations. Ventilate area.

1. Based upon the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV) of 25 ppm as an 8-hour time weighted average (TWA) and OSHA's Permissible Exposure Limit (PEL) of 50 ppm as an 8-hour TWA concentration.

Air Monitoring Summary and Action Levels Combustible Gases	
Lower Explosive Limit (LEL) Reading	**Action**
< 4% LEL (<2,000 ppm)	Site activities will continue with normal monitoring
4% – 20% LEL (2,000 – 10,000 ppm)	Stop work until levels dissipate to <4% LEL
> 20% LEL (>10,000 ppm)	Potential explosion hazard. Halt all site activities, research source of release, aerate work area, suppress source.

Air Monitoring Summary and Action Levels Hydrogen Sulfide	
Hydrogen Sulfide (H_2S) Reading	**Action**
<10 ppm	Site activities will continue with normal monitoring
>10 ppm	Stop work until levels dissipate to <10 ppm; use mechanical ventilation if possible
Cannot use air purifying respirators for H_2S because of olfactory fatigue	

7.6.2 Air Monitoring Equipment and Calibration

A PID calibrated to an appropriate calibration mixture will be used to detect organic vapors in and around the work areas. Monitoring will be conducted in and around all work areas and at the workers breathing zone before activities commence to establish a background level, then at 15-minute intervals throughout the day. All equipment will be calibrated according to the manufacturer's recommendation. A calibration log will be maintained and will include the name of the person who performed the calibration, the date and time calibrated, and the instrument reading at the time of calibration. A manual bellows pump or equivalent with colorimetric tubes for formaldehyde will be utilized to determine the course of action related to upgrading or downgrading the level of respiratory protection, as applicable.

If air monitoring data indicate safe levels of potentially harmful constituents at consistent intervals (5-minute intervals), then monitoring can be conducted less frequently (every 30 minutes). This determination will be made by the onsite SHSO. Monitoring data, including background readings and calibration records, will be documented. Work to be performed on-Site will conform to Roux's Standard Operating Procedures (SOPs). Conformance with these guidelines as well as the guidelines described in this HASP will aid in mitigating the physical and chemical hazards mentioned throughout this HASP.

7.7 Tailgate Safety Meetings

A designated Site worker will provide daily safety briefings (e.g., tailgate meetings) including, but not limited to, the following scenarios:

- When new operations are to be conducted;

- Whenever changes in work practices must be implemented; and
- When new conditions are identified and/or information becomes available.

Daily safety briefings shall be recorded on the Roux Daily Tailgate Health and Safety Meeting Log/Daily Site Safety Checklist, and all completed forms will become a part of the project file.

7.8 Spill Containment

Spill containment equipment and procedures should, at a minimum, meet the requirements of the facility's Spill Prevention, Control and Countermeasure Plan, if applicable. Otherwise, spill containment equipment and procedures must be considered depending on the task including, but no limited to, chemical/product transfer points and handling.

7.8.1 Initial Spill Notification and Response

Any worker who discovers a hazardous substance spill will immediately notify Levi Curnutte and/or Brandon Vella (PM). The worker will, to his/her best ability, report the hazardous substance involved, the location of the spill, the estimated quantity of material spilled, the direction/flow of the spill material, related fire/explosion incidents, and any associated injuries without compromising their own safety.

7.8.2 Spill Evaluation and Response

Levi Curnutte and/or Brandon Vella (PM) is responsible for evaluating spills and determining the appropriate response. When this evaluation is being made, the spill area will be isolated and demarcated to the extent possible. If necessary to protect nearby community members, notification of the appropriate authorities is made by the PM as appropriate. On-Site response is limited to small spills (e.g., <10 gallons); large spills require external emergency responders who will be contacted by the SHSO.

7.9 Decontamination

The decontamination section of the HASP describes how personnel and equipment are decontaminated when they leave the Exclusion Zone. This section also describes how residual waste from decontamination processes is disposed. The site decontamination procedures are designed to achieve an orderly, controlled removal or neutralization of contaminants that may accumulate on personnel or equipment. These procedures minimize worker contact with contaminants and protect against the transfer of contaminants to clean areas of the site and off-site. They also extend the useful life of PPE by reducing the amount of time that contaminants contact and can permeate PPE surfaces. Decontamination is facilitated within the CRZ at this site, if applicable.

7.9.1 Decontamination Procedures for Personnel and PPE

The following are general decontamination procedures established and implemented at this site.

1. Decontamination is required for all workers exiting a contaminated area. Personnel may re-enter the SZ only after undergoing the decontamination procedures described below in the next section.
2. Protective clothing is decontaminated, cleaned, laundered, maintained and/or replaced as needed to ensure its effectiveness.
3. PPE used at this site that requires maintenance or parts replacement is decontaminated prior to repairs, or

4. PPE used at this site is decontaminated or prepared for disposal on the premises. Personnel who handle contaminated equipment have been trained in the proper means to do so to avoid hazardous exposure.
5. This site uses an off-site laundry for decontamination of PPE. The site has informed that facility of the hazards associated with contaminated PPE from this site.
6. The site requires and trains workers that if their permeable clothing is splashed or becomes wetted with a hazardous substance, they will immediately exit the work zone, perform applicable decontamination procedures, shower, and change into uncontaminated clothing.
7. Procedures for disposal of decontamination waste meet applicable local, State, and Federal regulations.

7.9.2 Decontamination Procedures for Equipment

All tools, equipment, and machinery from the EZ or CRZ are decontaminated in the CRZ prior to removal to the SZ. Equipment decontamination procedures are designed to minimize the potential for hazardous skin or inhalation exposure and to avoid cross-contamination and chemical incompatibilities.

General Equipment Decontamination Procedures:

1. Decontamination is required for all equipment exiting a contaminated area. Equipment may re-enter the SZ only after undergoing the equipment decontamination procedures.
2. Vehicles that travel regularly between the contaminated and clean areas of the site are carefully decontaminated each time they exit the EZ and the effectiveness of that decontamination is monitored to reduce the likelihood that contamination will be spread to other parts of the site.
3. Particular attention is given to decontaminating tires, scoops, and other parts of heavy equipment that are directly exposed to contaminants and contaminated soil.

The following items may be used to decontaminate equipment:

- Fresh water rinse;
- Non-phosphorus detergent wash;
- Distilled water rinse;
- Acetone rinse;
- Distilled water rinse; and
- A steam cleaner or pressure washer (heavy equipment only).

7.9.3 Monitoring the Effectiveness of Decontamination Procedures

Visual examination and sampling are used to evaluate the effectiveness of decontamination procedures. Visual examination is used to ensure that procedures are implemented as described and that they appear to control the spread of contaminants under changing site conditions. Visual examination is also used to inspect for signs of residual contamination or for contaminant permeation of PPE.

Personnel who work in contaminated areas of the site, either the Contamination Reduction Zone (CRZ) or the Exclusion Zone, are trained in the principles and practices of decontamination described in this section of the HASP and in related SOPs. If site procedures are changed as a result of inspection and monitoring, all affected employees are notified of these changes.

7.10 Confined Space Entry

The following is a list of the safety requirements for confined space entry at the Site:

- **ROUX PERSONNEL ARE NOT AUTHORIZED TO ENTER AN OSHA PERMIT REQUIRED CONFINED SPACE;**
- Currently the scope of work **DOES NOT** require personnel to enter permitted confined space for this project; and
- Any changes to the field activities that may necessitate confined space entry will be reported to the Project Principal and OHSM.

Confined space is defined as any space, depression, or enclosure that:

- Has limited opening for entry and egress;
- Is large enough for and employee to enter and perform assigned work; and
- Is not intended for continuous occupancy.

A permit required confined space is one that meets the definition of a confined space and has one or more of the following characteristics:

- May contain or produce life-threatening atmospheres due to oxygen deficiency the presence of toxic, flammable, or corrosive contaminants;
- Contains a material that has the potential for engulfment;
- Has an internal configuration that may cause an entrant to be trapped or asphyxiated by inwardly converging walls or by a floor that slopes downward and tapers to a smaller cross-section; and
- Contains any other serious safety or health hazards.

Although Roux personnel will not perform confined space entry, it is expected that subcontractors performing cleaning and mitigation and/or remedial measures activities may be required to enter structures that are considered to be a permit required confined space. Permitting of the confined space as well as hazard mitigation for entry will be completed by the subcontractor in accordance with 1910.146.

7.11 Client and Site-Specific

In addition to the OSHA-specific procedures discussed above, there may be client and site-specific safety procedures that must be adhered to during the performance of remedial activities at the Site. Client and site-specific requirements will be documented and brought to the attention of Roux and Roux subcontractor personnel.

7.12 Unusual or Significant Risks

Field activities that appear to have unusual or significant risks that cannot be adequately managed with existing risk tools such as LPS, HASPs, traffic safety plans, work permits, design and O&M practices, equipment HAZOPS or other safety tools must be referred to the CHSM to help with the assessment and management of the associated potential safety risks. Examples include the use of explosives for demolition, use of firearms to control wildlife, rappelling, demolition over water, diving, etc.

7.13 Activity-Specific Hazards

In addition to the general hazards discussed above, there are activity-specific hazards associated with each work activity planned for the Site. An activity-specific JSA has been completed for each of the activities planned for the Site. JSAs are provided in **Appendix A**. In the event that new work activities or tasks are planned, JSAs will be developed and implemented prior to performing the new activities. In the absence of a JSA, the personnel performing work must prepare a field JSA and receive clearance from a designated competent safety official prior to performing any task with significant risk. In emergency situations where time is critical SPSAs will be utilized to identify the task, associated hazards and mitigative actions to take. For lower risk activities (as deemed by the discretion of a Competent Person) where a JSA is determined to not be needed, the individual(s) conducting the activities must perform SPSAs prior to and during the work.

7.13.1 Electrical and Other Utility Assessment and Accommodations

Roux shall perform a site walk to identify any potential overhead electrical or utility lines. All applicable guidelines will be followed in the vicinity of overhead power and utility lines (see Section 7.13.3 below).

Prior to commencing work, Roux will review all available Site maps showing buried utility lines to identify potential hazards to confirm no underground hazards are known to exist in the vicinity of the areas of the Site pertinent to this HASP. Roux or its subcontractor(s) will complete a “one-call” public utility mark out. Additionally, a private utility mark-out and/or geophysical investigation may be performed. The results of all utility assessments will be available on-Site for review during implementation of all scopes of work involving intrusive activities.

7.13.2 Subsurface Work

Subsurface work activities will require adherence to Roux’s Corporate Subsurface Utility Clearance Management program found within **Appendix F**.

7.13.2.1 Excavations and Trenching

All trenching and excavation work activities contracted by Roux shall comply with 29 CFR 1926.651-652 Subpart P. Additionally, for trenches greater than 4 feet deep, where employees will enter, the trench needs to have a stairway or ladder or other safe means of egress. Where employees will enter trenches greater than 5 feet deep, the trench must have some type of protective system or sloped appropriately to prevent cave-ins.

The SHSO will be present on-Site during all Roux contracted excavation and backfill operations and will supplement health and safety monitoring conducted by Subcontractor air quality screening to ensure that appropriate levels of protection and safety procedures are utilized. The proximity of chemical, water, sewer, and electrical lines will be identified by Roux and/or their subcontractor before any subsurface activity or sampling is attempted.

The following safe work practices will be implemented during this task.

- The proximity of chemical, water, sewer, and electrical lines will be identified by a facility representative prior to beginning any subsurface activity.
- While earthmoving, stay out of the excavator’s delineated heavy equipment exclusion zone and away from the excavation sides, where there is potential for cave in (within excavations that are 6 feet or more in depth, a delineated perimeter 6 feet away from the excavated edge is required).

Maximum Allowable Slopes

Soil or Rock Type	Maximum Allowable Slopes (H:V)[1] for Excavations Less Than 20 Feet Deep[3]
Stable Rock	Vertical (90°)
Type A[2]	3/4 : 1 (53°)
Type B	1 : 1 (45°)
Type C	1 1/2 : 1 (34°)

OSHA (29 CFR 1926.652, Subpart P, Appendices A and B)

Notes:

1 Numbers shown in parentheses next to maximum allowable slopes are angles expressed in degrees from the horizontal. Angles have been rounded off.

2 A short-term maximum allowable slope of 1/2H : 1V (63°) is allowed in excavations in Type A soil that are 12 feet (3.67 meters) or less in depth. Short-term maximum allowable slopes for excavations greater than 12 feet (3.67 meters) in depth shall be 3/4H : 1V (53°).

3 Sloping or benching for excavations greater than 20 feet deep shall be designed and stamped by a registered professional engineer.

Proper stockpiling (i.e., 2 feet minimum distance from the excavation edge), containment, transport, storage, and disposal practices will be utilized and is dependent upon the potential type and amount of waste generated during operations. The location of safety equipment and evacuation procedures will be established prior to initiation of operations according to this HASP.

7.13.3 Heavy Equipment

Use of heavy equipment at the Site will require adherence to Roux's Corporate Heavy Equipment Exclusion Zone Management Program found within **Appendix G**. Additionally, operation of the drill rig/other heavy equipment will maintain clearances from overhead power lines in accordance with OSHA 29 CFR1926.1408 Table A Minimum Clearance Distances provided below.

Minimum Required Clearances for Energized Overhead Power Lines

Nominal System Voltage of Power Line (K V)	Minimum Required Clearance (feet)
0-50	10
51-100	12
101-200	15
201-300	20
301-500	25
501-750	35
751-1000	45

1 kilovolt (KV) = 1,000 volts

7.14 Heat Stress

The National Oceanic and Atmospheric Administration records average minimum/maximum temperatures of 48 to 62 degrees Fahrenheit during the year in Brooklyn, New York.

7.14.1 Heat Stress

Heat stress is a significant potential hazard and can be associated with heavy physical activity and/or the use of personal protective equipment in hot weather environments. Heat cramps are brought on by prolonged

exposure to heat. As an individual sweats, water and salts are lost by the body resulting in painful muscle cramps. The signs and symptoms of heat stress are as follows:

- Severe muscle cramps, usually in the legs and abdomen;
- Exhaustion, often to the point of collapse; and
- Dizziness or periods of faintness.

First aid treatment includes, but is not limited to, shade, rest, and fluid replacement. Typically, the individual should recover within one-half hour while being monitored constantly. If the individual has not improved substantially within 30 minutes and the body temperature has not decreased, the individual should be transported to a hospital for medical attention.

7.14.2 Heat Exhaustion

Heat exhaustion may occur in a healthy individual who has been exposed to excessive heat while working or exercising. The circulatory system of the individual fails as blood collects near the skin to rid the body of excess heat through transference. The signs and symptoms of heat exhaustion are as follows:

- Rapid and shallow breathing;
- Weak pulse;
- Cold and clammy skin with heavy perspiration;
- Skin appears pale;
- Fatigue and weakness;
- Dizziness; and
- Elevated body temperature.

First aid treatment includes, but is not limited to, cooling the victim, elevating the feet, and replacing fluids.

If the individual is not substantially improved within 30 minutes and the body temperature has not decreased, the individual should be transported to the hospital for medical attention.

7.14.3 Heat Stroke

Heat stroke occurs when an individual is exposed to excessive heat and stops sweating. This condition is classified as a MEDICAL EMERGENCY requiring immediate cooling of the victim and transport to a medical facility. The signs and symptoms of heat stroke are as follows:

- Dry, hot red skin;
- Body temperature approaching or above 105 degrees F;
- Confusion, altered mental state, slurred speech;
- Seizures;
- Large (dilated) pupils; and
- Loss of consciousness – the individual may go into a coma.

First aid treatment requires immediate cooling and transportation to a medical facility. Heat stress is a significant hazard if any type of protective equipment (semi-permeable or impermeable) that prevents evaporative cooling when worn in hot weather environments.

7.15 Cold Stress

Cold stress is a danger at low temperatures and when the wind-chill factor is low. Prevention of cold-related illnesses is a function of whole-body protection. Adequate insulating clothing must be used when the air temperature is below 60°F. A work/rest regimen will be initiated when ambient temperatures and protective clothing cause a stressful situation. In addition, reduced work periods followed by rest in a warm area may be necessary in extreme conditions. The signs and symptoms of cold stress include the following:

- Severe shivering;
- Abnormal behavior;
- Slowing;
- Weakness;
- Stumbling or repeated falling;
- Inability to walk;
- Collapse; and/or
- Unconsciousness.

First aid requires removing the victim from the cold environment and seeking medical attention immediately. Also, prevent further body heat loss by covering the victim lightly with blankets. Do not cover the victim's face. If the victim is still conscious, administer hot drinks and encourage activity such as walking, wrapped in a blanket.

8. Field Team Review

Each person performing work at or visiting this site shall sign this section after site-specific training is completed and before being permitted to access the CRZ or Exclusion Zone.

I have read and understand this Site-Specific Health and Safety Plan. I will comply with the provision contained therein.

Site/Project: Greenpoint Ferry Site/1 Java Street

Name & Company	Signature	Date

9. Approvals

By their signature, the undersigned certify that this HASP is approved and will be utilized at the Broadway Triangle Parcels A1, A2, B, and C.

Vanessa Ricigliano — March 23, 2021

Vanessa Ricigliano – Site Health and Safety Officer — Date

Kristina DeLuca — March 23, 3021

Kristina DeLuca – Office Health and Safety Manager — Date

March 23, 2021

Brian Hobbs, CIH, CSP – Corporate Health and Safety Manager — Date

Jeff Wills — March 23, 2021

Jeff Wills – Project Manager — Date

March 23, 2021

Emily Butler – Project Manager — Date

March 23, 2021

Rob Kovacs – Project Principal — Date

TABLE

Toxicological Properties of Hazardous Substances
Present at the Site

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at the Site

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Acenaphthene	83-32-9	None established	None established	None established	None established	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory system	Eyes, skin, respiratory system	Brown solid
Acenaphthylene	208-96-8	None Established	None established	None established	None established	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory system	Eyes, skin, respiratory system	Yellow Solid Fl. Pt.=251°F
Arsenic (inorganic)	7440-38-2 (metal)	TWA 0.01 mg/m3	Ca C 0.002 mg/m3 [15-min]	TWA 0.010 mg/m3	Ca [5 mg/m3 (as As)]	Inhalation; ingestion; skin absorption; skin and/or eye contact	Ulceration of nasal septum, dermatitis, GI disturbances, peripheral neuropathy, resp irritation, hyperpigmentation of skin, [potential occupational carcinogen]	Liver, kidneys, skin, lungs, lymphatic sys	Metal: sliver-gray or tin-white, brittle, odorless solid BP: sublimes
Barium	7440-39-3	TWA 0.5 mg/m3	None established	TWA 0.5 mg/m3	None established	Inhalation, ingestion, skin contact	Irritation skin, respiratory system, digestive system	Skin, eyes, respiratory system	Yellow white powder BP: 1640 C
Benzene	71-43-2	TWA 0.5 ppm STEL 2.5 ppm	Ca TWA 0.1 ppm STEL 1 ppm	TWA 1 ppm ST 5 ppm	Ca [500 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, respiratory system; dizziness; headache, nausea, staggered gait; anorexia, lassitude (weakness, exhaustion); dermatitis; bone marrow depression; [potential occupational carcinogen]	Eyes, skin, respiratory system, blood, central nervous system, bone marrow	Colorless to light yellow liquid with an aromatic odor [Note: Solid below 42 °F] BP: 176°F Fl.Pt. = 12°F LEL: 1.2% UEL: 7.8% Class B Flammable liquid
Benzo[a]anthracene	56-55-3	None established [skin cancer]	None established	None established	None established	Inhalation; ingestion; skin absorption; skin and/or eye contact	Irritation eyes, skin, respiratory system, CNS; skin cancer	Skin	Pale Yellow crystal, solid BP: 438 C
Benzo[a]pyrene	50-32-8	None established [cancer]	TWA 0.1 mg/m3	TWA 0.2 mg/m3	None established	Inhalation; ingestion; skin absorption; skin and/or eye contact	POISON. This material is an experimental carcinogen, mutagen, tumorigen, neoplastigen and teratogen. It is a probable carcinogen in humans and a known human mutagen. IARC Group 2A carcinogen. It is believed to cause bladder, skin and lung cancer. Exposure to it may damage the developing fetus. May cause reproductive damage. Skin, respiratory and eye irritant or burns.	Skin, eye, bladder, lung, reproductive	Yellow crystals or powder [found in cigarette smoke, coal tar, fuel exhaust gas and in many other sources] BP: 495 C
Benzo[b]fluoranthene	205-99-2	None established [cancer]	TWA 0.1 mg/m3	TWA 0.2 mg/m3	None established	Inhalation; ingestion; skin and/or eye contact	No data were identified on the toxicity of benzo[b]fluoranthene to humans. Based on results of studies in animals, IARC concluded that benzo[b]fluoranthene is possibly carcinogenic to humans	Respiratory system, skin, bladder, kidneys	Off-white to tan powder
Benzo[k]fluoranthene	207-08-9	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory tract, gastrointestinal; fatal if swallowed, inhaled, absorbed through the skin; vomiting, nausea, diarrhea	Lungs, respiratory system	Yellow crystals BP: 480 C
Benzo(g,h,i)perylene	191-24-2	None established	None established	California permisible exposure limits for chemical contaminants (Title 8, Article 107) PEL 0.2 mg/m3	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory tract, very toxic to aquatic life with long lasting effects	Eyes, skin, respiratory system	Pale Yellow -Green Crystals BP: 550°C
Beryllium	7440-41-7 (metal)	TWA 0.00005 mg/m^3	Ca C 0.0005 mg/m^3	TWA 0.002 mg/m^3 C 0.005 mg/m^3 (30 minutes) with a maximum peak of 0.025 mg/m^3	Ca [4 mg/m^3 (as Be)]	inhalation, skin and/or eye contact	Berylliosis (chronic exposure): anorexia, weight loss, lassitude (weakness, exhaustion), chest pain, cough, clubbing of fingers, cyanosis, pulmonary insufficiency; irritation eyes; dermatitis; [potential occupational carcinogen]	Eyes, skin, respiratory system	Metal: A hard, brittle, gray-white solid. BP: 4532°F
Cadmium	7440-43-9 (metal)	TWA 0.01 mg/m^3	Ca	TWA 0.005 mg/m^3	Ca [9 mg/m^3 (as Cd)]	inhalation, ingestion	Pulmonary edema, dyspnea (breathing difficulty), cough, chest tightness, substernal (occurring beneath the sternum) pain; headache; chills, muscle aches; nausea, vomiting, diarrhea; anosmia (loss of the sense of smell), emphysema, proteinuria, mild anemia; [potential occupational carcinogen]	respiratory system, kidneys, prostate, blood	Metal: Silver-white, blue-tinged lustrous, odorless solid. BP: 1409°F
Carbon Tetrachloride	56-23-5	TWA 5 ppm STEL 10 ppm	Ca ST 2 ppm (12.6 mg/m3) [60 minute]	TWA 10 ppm C 25 ppm 200 ppm (5-minute maximum peak in any 4 hours)	Ca [200 ppm]	inhalation, skin absorbtion, ingestion, skin and/or eye contact	irritation eyes, skin; central nervous system depression; nausea, vomiting; liver, kidney injury; drowsiness, dizziness, incoordination; [potential occupational carcinogen]	central nervous system, eyes, lungs, liver, kidneys, skin	Colorless liquid with a characteristic ether-like odor. BP: 170°F
Carbon Monoxide	630-08-0	TWA 25 ppm	TWA 35 ppm C 200 ppm	TWA 50 ppm	1,200 ppm	inhalation	Carboxyhemogloemia	Blood	Colorless, odorless gas

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at the Site

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Chromium	7440-47-3	TWA 0.5 mg/m^3 (metal and Cr III compounds) TWA 0.05 mg/m^3 (water-soluble Cr VI compounds) TWA 0.01 mg/m^3 (insoluble Cr IV compounds)	TWA 0.5 mg/m^3	TWA 1 mg/m^3	250 mg/m^3 (as Cr)	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin; lung fibrosis (histologic)	Eyes, skin, respiratory system	Blue-white to steel-gray, lustrous, brittle, hard, odorless solid. BP: 4788°F
Chrysene; Phenanthrene; Pyrene; Coal tar pitch volatiles	65996-93-2	TWA 0.2 mg/m3	Ca TWA 0.1 mg/m^3 (cyclohexane-extractable fraction)	TWA 0.2 mg/m^3 (benzene-soluble fraction)	Ca [80 mg/m^3]	Inhalation, skin and/or eye contact	Dermatitis, bronchitis, [potential occupational carcinogen]	Respiratory system, skin, bladder, kidneys	Black or dark-brown amorphous residue. Combustible Solids
Coal Tar Pitch Volatiles; Chrysene; Phenanthrene; Pyrene	65996-93-2	TWA 0.2 mg/m^3	Ca TWA 0.1 mg/m^3 (cyclohexane-extractable fraction)	TWA 0.2 mg/m^3 (benzene-soluble fraction)	Ca [80 mg/m^3]	Inhalation, skin and/or eye contact	Dermatitis, bronchitis, [potential occupational carcinogen]	respiratory system, skin, bladder, kidneys	Black or dark-brown amorphous residue. Combustible Solids
1,1-Dichloroethane	75-34-3	TWA 100 ppm	TWA 100 ppm (400 mg/m^3)	TWA 100 ppm (400 mg/m^3)	3000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation skin; central nervous system depression; liver, kidney, lung damage	Skin, liver, kidneys, lungs, central nervous system	Colorless, oily liquid with a chloroform-like odor. BP: 135°F Fl.P: 2°F UEL: 11.4% LEL: 5.4%
1,2-Dichloroethane (Ethylene Dichloride)	107-06-2	TWA 10 ppm	Ca TWA 1 ppm (4 mg/m^3) STEL 2 ppm (8 mg/m^3)	TWA 50 ppm C 100 ppm 200 ppm [5-minute maximum peak in any 3 hours]	Ca [50 ppm]	inhalation, ingestion, skin absorption, skin and/or eye contact	Irritation eyes, corneal opacity; central nervous system depression; nausea, vomiting; dermatitis; liver, kidney, cardiovascular system damage; [potential occupational carcinogen]	Eyes, skin, kidneys, liver, central nervous system, cardiovascular system	Colorless liquid with a pleasant, chloroform-like odor. [Note: Decomposes slowly, becomes acidic & darkens in color.] BP: 182°F Fl.P: 56°F UEL: 16% LEL: 6.2% Class IB Flammable Liquid
1,2-Dichloroethene (total)	540-59-0	TWA 200 ppm	TWA 200 ppm (790 mg/m^3)	TWA 200 ppm (790 mg/m^3)	1000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, respiratory system; central nervous system depression	Eyes, respiratory system, central nervous system	Colorless liquid (usually a mixture of the cis & trans isomers) with a slightly acrid, chloroform-like odor BP: 118-140°F Fl.P: 36-39°F UEL: 12.8% LEL: 5.6% Class IB Flammable Liquid
cis-1,2-Dichloroethene	156-59-2	TWA 200 ppm	TWA 200 ppm	TWA 200 ppm	None established	inhalation, skin absorption, ingestion	Harmful if swallowed, inhaled, or absorbed through skin. Irritant. Narcotic. Suspected carcinogen	Skin	Colorless liquid BP: 60 C Fl.P: 4 C UEL: 12.8% LEL: 9.7 %
trans-1,2-Dichloroethene	156-60-5	TWA 200 ppm	None established	TWA 200 ppm STEL 250 ppm (skin)	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Narcotic. Irritation eyes, skin, respiratory tract, mucous membrane; CNS depression.	Respiratory tract, mucous membrane, eyes, skin, CNS	Colorless liquid with a fruity pleasant odor BP: 48°C Fl.P 6C UEL: 12.8% LEL: 9.7%
Dibenzo[a,h]anthracene	53-70-3	None established	None established	None established	None established	Inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin	Eyes, skin; skin photosensitization.	Colorless crystalline powder BP: 524°C
Dibenzofuran	132-64-9								
Diesel Fuel #2	68476-34-6	TWA 100 mg/m^3; Skin notation	None established	Designated as an OSHA Select Carcinogen	None established	ingestion, skin and/or eye contact	Kidney damage; potential lung damage; suspected carcinogen; irritation of eyes, skin, respiratory tract; dizziness, headache, nausea; chemical pneumonitis (from aspiration of liquid); dry, red skin; irritant contact dermatitis; eye redness, pain.	Eyes, skin, kidneys	Clear yellow brown combustible liquid; floats on water; distinct diesel petroleum hydrocarbon odor. BP: 356-716°F Fl.P: 154.4-165.2°F LEL: 0.6% UEL: 7.0%
Ethylbenzene	100-41-4	TWA 20 ppm	TWA 100 ppm (435 mg/m^3) STEL 125 ppm (545 mg/m^3)	TWA 100 ppm (435 mg/m^3)	800 ppm [10%LEL]	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, mucous membrane; headache; dermatitis; narcosis, coma	Eyes, skin, respiratory system, central nervous system	Colorless liquid with an aromatic odor. BP: 277°F Fl.P: 55°F UEL: 6.7% LEL: 0.8% Class IB Flammable Liquid
Fluoranthene	206-44-0	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; possible burns; heart and liver injury, pulmonary edema, respiratory arrest, gastrointestinal disturbances.	Heart, liver, lungs.	Yellow needles.

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at the Site

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Fuel Oil #2	68476-30-2	TWA 100 mg/m3; Skin notation	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; CNS effects; nausea, vomiting, headache, cramping, dizziness, weakness, loss of coordination,, drowsiness; kidney, liver damage	Eyes, skin, CNS	Clear or yellow to red oily liquid, kerosene-like odor BP: 347 - 689 °F UEL:5-6% LEL: 0.7-1.0%
Gasoline	8006-61-9	TWA 300 ppm STEL 500 ppm	Carcinogen	None established	Ca [IDLH value has not been determined]	Skin absorption; inhalation; ingestion; skin and/or eye contact	Eyes and skin irritation, mucous membrane; dermatitis; headache; listlessness, blurred vision, dizziness, slurred speech, confusion, convulsions; chemical pneumonitis; possible liver, kidney damage [Potential occupational carcinogen]	Eyes, skin, respiratory system, CNS, Liver, Kidneys	Clear liquid with a characteristic odor, aromatic Fl.Pt. = -45°F LEL = 1.4% UEL = 7.6% Class 1B Flammable Liquid
Hydrogen Sulfide	7783-06-4	TWA 1 ppm STEL 5 ppm	C 10 ppm (15 mg/m^3) [10-minute]	C 20 ppm 50 ppm [10-minute maximum peak]	100 ppm	inhalation, skin and/or eye contact	Irritation eyes, respiratory system; apnea, coma, convulsions; conjunctivitis, eye pain, lacrimation (discharge of tears), photophobia (abnormal visual intolerance to light), corneal vesiculation; dizziness, headache, lassitude (weakness, exhaustion), irritability, insomnia; gastrointestinal disturbance; liquid: frostbite	Eyes, respiratory system, central nervous system	Colorless gas with a strong odor of rotten eggs. BP: -77°F UEL: 44.0% LEL: 4.0% Flammable Gas
Indeno[1,2,3-cd]pyrene	193-39-5	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; possible human carcinogen (skin); weakness; affect liver, lung tissue, renal tissue; impairment of blood forming tissue	Skin	Fluorescent green-yellow crystalline solid BP: 536 C
Lead (inorganic)	7439-92-1	TWA 0.05 mg/m^3	TWA (8-hour) 0.050 mg/m^3	TWA 0.050 mg/m^3	100 mg/m^3 (as Pb)	inhalation, ingestion, skin and/or eye contact	Lassitude (weakness, exhaustion), insomnia; facial pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypertension	Eyes, gastrointestinal tract, central nervous system, kidneys, blood, gingival tissue	A heavy, ductile, soft, gray solid. BP: 3164°F Noncombustible Solid in bulk form
Mercury (organo) alkyl compounds (as Hg)	7439-97-6	TWA 0.01 mg/m^3 STEL 0.03 mg/m^3 [skin]	TWA 0.01 mg/m^3 STEL 0.03 mg/m^3 [skin]	TWA 0.01 mg/m^3 C 0.04 mg/m^3	2 mg/m^3 (as Hg)	inhalation, skin absorption, ingestion, skin and/or eye contact	Paresthesia; ataxia, dysarthria; vision, hearing disturbance; spasticity, jerking limbs; dizziness; salivation; lacrimation (discharge of tears); nausea, vomiting, diarrhea, constipation; skin burns; emotional disturbance; kidney injury; possible teratogenic effects	Eyes, skin, central nervous system, peripheral nervous system, kidneys	Appearance and odor vary depending upon the specific (organo) alkyl mercury compound
Mercury compounds [except (organo) alkyls] (as Hg) Mercury	7439-97-6	TWA 0.025 mg/m^3 (elemental and inorganic forms)	Hg Vapor: TWA 0.05 mg/m^3 [skin] Other: C 0.1 mg/m3 [skin]	TWA 0.1 mg/m^3	10 mg/m^3 (as Hg)	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; cough, chest pain, dyspnea (breathing difficulty), bronchitis, pneumonitis; tremor, insomnia, irritability, indecision, headache, lassitude (weakness, exhaustion); stomatitis, salivation; gastrointestinal disturbance, anorexia, weight loss; proteinuria	Eyes, skin, respiratory system, central nervous system, kidneys	Metal: Silver-white, heavy, odorless liquid. [Note: "Other" Hg compounds include all inorganic & aryl Hg compounds except (organo) alkyls.] BP: 674°F
Methylene Chloride (Dichloromethane)	75-09-2	TWA 50 ppm, A3 - suspected human carcinogen	Ca	TWA 25 ppm STEL 125 ppm	Ca [2300 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; lassitude (weakness, exhaustion), drowsiness, dizziness; numbness, tingle limbs; nausea; [potential occupational carcinogen]	Eyes, skin, cardiovascular system, central nervous system	Colorless liquid with a chloroform-like odor BP: 104°F UEL: 23% LEL: 13%
Naphtha (Rubber Solvent)	8030-30-6	None established	TWA 100 ppm (400 mg/m^3)	TWA 100 ppm (400 mg/m^3)	1000 ppm [10%LEL]	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose; dizziness, drowsiness; dermatitis; in animals: liver, kidney damage	Eyes, skin, respiratory system, central nervous system, liver, kidneys	Reddish-brown, mobile liquid with an aromatic odor BP: 320-428°F Fl.P: 100-109°F Class II Combustible Liquid
Naphthalene	91-20-3	TWA 10 ppm [skin]	TWA 10 ppm (50 mg/m^3) STEL 15 ppm (75 mg/m^3)	TWA 10 ppm (50 mg/m^3)	250 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes; headache, confusion, excitement, malaise (vague feeling of discomfort); nausea, vomiting, abdominal pain; irritation bladder; profuse sweating; jaundice; hematuria (blood in the urine), renal shutdown; dermatitis, optical neuritis, corneal damage	Eyes, skin, blood, liver, kidneys, central nervous system	Colorless to brown solid with an odor of mothballs. BP: 424°F Fl.P: 174°F UEL: 5.9% LEL: 0.9%
Petroleum hydrocarbons(Petroleum distillates)	8002-05-9	None established	TWA 350 mg/m^3 C 1800 mg/m^3 [15 min]	TWA 500 ppm (2000 mg/m^3)	1,100 [10% LEL]	Inhalation; ingestion; skin and/or eye contact	Irritation eyes, skin, nose, throat; dizziness, drowsiness, headache, nausea; dried/cracked skin; chemical pneumonitis	CNS, eyes, respiratory system, skin	Colorless liquid with a gasoline or kerosene-like odor BP: 86-460°F Fl. Pt = -40 to -86°F UEL: 5.9% LEL: 1.1% Flammable liquid
Polychlorinated Biphenyls (PCBs) (Chlorodiphenyl (42% Chlorine))	53469-21-9	TWA 1 mg/m^3	Ca TWA 0.001 mg/m^3	0.5 mg/m^3	5 ppm	Dermal; inhalation; ingestion; skin and/or eye contact	Irritation eyes; chloracne; liver damage; reproductive effects; [potential occupational carcinogen]	Eyes, skin, liver, respiratory system	Colorless to light-colored, viscous liquid, hydrocarbon odor, BP: 617 - 734°F, non-flammable, LEL: NA, UEL: NA
Selenium	7782-49-2	TWA 0.2 mg/m^3	TWA 0.2 mg/m^3	TWA 0.2 mg/m^3	1 mg/m^3 (as Se)	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat; visual disturbance; headache; chills, fever; dyspnea (breathing difficulty), bronchitis; metallic taste, garlic breath, gastrointestinal disturbance; dermatitis; eye, skin burns; in animals: anemia; liver necrosis, cirrhosis; kidney, spleen damage	Eyes, skin, respiratory system, liver, kidneys, blood, spleen	Amorphous or crystalline, red to gray solid. [Note: Occurs as an impurity in most sulfide ores.] BP: 1265°F

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at the Site

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Silver	7440-22-4 (metal)	TWA 0.1 mg/m^3 (metal, dust, fume) TWA 0.01 mg/m^3 (Soluble compounds, as Ag)	TWA 0.01 mg/m^3	TWA 0.01 mg/m^3	10 mg/m^3 (as Ag)	inhalation, ingestion, skin and/or eye contact	Blue-gray eyes, nasal septum, throat, skin; irritation, ulceration skin; gastrointestinal disturbance	Nasal septum, skin, eyes	Metal: White, lustrous solid BP: 3632°F
Tetrachloroethene	127-18-4	TWA 25 ppm STEL 100 ppm listed as A3, animal carcinogen	Ca Minimize workplace exposure concentrations	TWA 100 ppm C 200 ppm (for 5 minutes in any 3-hour period), with a maximum peak of 300 ppm	Ca [150 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache, drowsiness; skin erythema (skin redness); liver damage; [potential occupational carcinogen]	Eyes, skin, respiratory system, liver, kidneys, central nervous system	Colorless liquid with a mild, chloroform-like odor. BP: 250°F Noncombustible Liquid
Toluene	108-88-3	TWA 20 ppm	TWA 100 ppm (375 mg/m^3) STEL 150 ppm (560 mg/m^3)	TWA 200 ppm C 300 ppm 500 ppm (10-minute maximum peak)	500 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose; lassitude (weakness, exhaustion), confusion, euphoria, dizziness, headache; dilated pupils, lacrimation (discharge of tears); anxiety, muscle fatigue, insomnia; paresthesia; dermatitis; liver, kidney damage	Eyes, skin, respiratory system, central nervous system, liver, kidneys	Colorless liquid with a sweet, pungent, benzene-like odor. BP: 232°F Fl.P: 40°F UEL: 7.1% LEL: 1.1% Class IB Flammable Liquid
1,1,1-Trichloroethane (Methyl Chloroform)	71-55-6	TWA 350 ppm STEL 450 ppm	C 350 ppm (1900 mg/m^3) [15-minute]	TWA 350 ppm (1900 mg/m^3)	700 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin; headache, lassitude (weakness, exhaustion), central nervous system depression, poor equilibrium; dermatitis; cardiac arrhythmias; liver damage	Eyes, skin, central nervous system, cardiovascular system, liver	Colorless liquid with a mild, chloroform-like odor. BP: 165°F UEL: 12.5% LEL: 7.5%
Trichloroethene	79-01-6	TWA 10 ppm STEL 25 ppm	Ca	TWA 100 ppm C 200 ppm 300 ppm (5-minute maximum peak in any 2 hours)	Ca [1000 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; headache, visual disturbance, lassitude (weakness, exhaustion), dizziness, tremor, drowsiness, nausea, vomiting; dermatitis; cardiac arrhythmias, paresthesia; liver injury; [potential occupational carcinogen]	Eyes, skin, respiratory system, heart, liver, kidneys, central nervous system	Colorless liquid (unless dyed blue) with a chloroform-like odor. BP: 189°F UEL(77°F): 10.5% LEL(77°F): 8%
Vinyl Chloride	75-01-4	TWA 1 ppm	Carcinogen	TWA 1 ppm C 5 ppm [15-minute]	Ca [IDLH value has not been determined]	inhalation, skin, and/or eye contact (liquid)	Lassitude (weakness, exhaustion); abdominal pain, gastrointestinal bleeding; enlarged liver; pallor or cyanosis of extremities; liquid: frostbite; [potential occupational carcinogen]	Liver, central nervous system, blood, respiratory system, lymphatic system	Colorless gas or liquid (below 7°F) with a pleasant odor at high concentrations. BP: 7°F UEL: 33.0% LEL: 3.6% Flammable Gas
Xylene (m, o & p isomers)	108-38-3, 95-47-6, 106-42-3	TWA 100 ppm STEL 150 ppm	TWA 100 ppm (435 mg/m^3)	TWA 100 ppm (435 mg/m^3)	900 ppm	Skin absorption, inhalation, ingestion, skin, and/or eye contact	Irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, incoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis	Eyes, skin, respiratory system, central nervous system, gastrointestinal tract, blood, liver, kidneys	Colorless liquid with an aromatic odor BP: 282°F, 292°F, 281°F Fl. Pt. 82°F, 90°F, 81°F LEL: 1.1%, 0.9%, 1.1% UEL: 7.0%, 6.7%, 7.0% Class C Flammable Liquid
Zinc Oxide	1314-13-2	TWA 2 mg/m3 STEL 10 mg/m^3	None established	TWA 10 mg/m3 (for zinc oxide fume)	None established	skin and/or eye contact, inhalation, ingestion	Irritation eyes, skin, respiratory tract; gastrointestinal disturbances	Eyes, skin, respiratory system,	Bluish gray solid BP: 1664.6°F Flammable

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Proctor, N.H., J.P. Hughes and M.L. Fischman, 1989. Chemical Hazards of the Workplace. Van Nostrand Reinhold. New York.
Sax, N.I. and R.J. Lewis. 1989. Dangerous Properties of Industrial Materials. 7th Edition. Van Nostrand Reinhold. New York.
2017 TLVs® and BEIs®, American Conference of Industrial Hygienists

Abbreviations:

ACGIH – American Conference of Governmental Industrial Hygienists.
BP – boiling point at 1 atmosphere, °F
C – Ceiling, is a concentration that should not be exceeded during and part of the working exposure.
CAS# - Chemical Abstracts Service registry number which is unique for each chemical.
Ft Pt. – Flash point
IDLH - Immediately Dangerous to Life and Health concentrations represent the maximum concentration from which, in the event of respirator failure, one could escape within 30 minutes without a respirator and without experiencing any escape-impairing or irreversible health effects.
LEL – Lower explosive (flammable) limit in air, % by volume (at room temperature)
mg/m^3 – Milligrams of substance per cubic meter of air
NIOSH - National Institute for Occupational Safety and Health.
OSHA – Occupational Safety and Health Administration
PEL - OSHA Permissible Exposure Limit (usually) a time weighted average concentration that must not be exceeded during any 8 hour work shift of a 40 hr work week.
ppm – parts per million
REL – NIOSH Recommended Limit indicated a time weighted average concentration that must not be exceeded during any 10 hour work shift of a 40 hr work week
SG - Specific Gravity
STEL – Short-term exposure limit (ST)
TLV - ACGIH Threshold Limit Values (usually 8 hour time weighted average concentrations).
TWA – 8-hour, time-weighted average
UEL – Upper explosive (flammable) limit in air, % by volume (at room temperature)
VP - Vapor Pressure

FIGURES

1. Site Location Map
2. Site Plan with Emergency Muster Area
3. Routes to Urgent Care and Hospital


SITE
Greenpoint
Williamsburg
Long Island City
Queens Midtown Tunnel
Williamsburg Brg
Queensboro Brg
Pulaski Brg
McGuinness Blvd
Meeker Ave
Brooklyn Queens Expy
Long Island Expy
FDR Dr
East River State Park
McCarren Park
Tompkins Square Park
Hamilton Fish Park
Corlears Hook Park
Murray Playground
Gantry Plaza State Park
Fleet Storage Facility
Fleet Services Repair Shop
NYC Health Hospitals Bellevue
Bellevue Hospital Center
Mobil Building
South Point Park
Mcgr. McGolrick Park
Metropolitan Ave
Grand St
Broadway
Greenpoint Ave
Manhattan Ave
Bedford Ave
Graham Ave
Humboldt St
Jackson St
Withers St
Frost St
Richardson St
Bayard St
Driggs Ave
Nassau Ave
Norman Ave
Kent St
Java St
India St
Huron St
Eagle St
Dupont St
Commercial St
Box St
Ash St
Clay St
Paidge Ave
Borden Ave
Jackson Ave
Thomson Ave
Hunter St
Court Sq
Crane St
Davis St
Van Dam St
Review Ave
Railroad Ave
Meserole Ave
Montrose Ave
Lorimer St
Union Ave
Havemeyer St
Marcy Ave
Bedford Ave
Roebling St
Berry St
Wythe Ave
Kent Ave
West St
Franklin St
Greenpoint Ave
Nassau Ave
Driggs Ave
Bayard St
Richardson St
Frost St
Withers St
Jackson St
Skillman Ave
Conselyea St
Devoe St
Ainslie St
Powers St
Grand St
Maujer St
Ten Eyck St
Stagg St
Meadow St
Olive St
Waterbury St
Sharon St
Orient Ave
Cooper Park
Morgan Ave
Vandervoort Ave
Beadel St
Division Pl
Porter Ave
Anthony St
Bridgewater St
Meeker Ave
Apollo St
Hausman St
Sutton St
Humboldt St
Russell St
Nassau Ave
Norman Ave
Kingsland Ave
Monitor St
N Henry St
Provost St
Jewel St
Diamond St
Newel St
Eckford St
Leonard St
Banker St
Dobbin St
Gem St
Franklin St
Quay St
Oak St
Nobie St
Milton St
Calyer St
Greenpoint Ave
Manhattan



N

LEGEND

- EMERGENCY MUSTER AREA
- SITE ENTRANCE AND EXIT
- EXISTING BUILDING BOUNDARY

75 0 75'

Title:

SITE PLAN WITH EMERGENCY MUSTER AREA

GREENPOINT FERRY SITE
1 JAVA STREET, BROOKLYN, NY

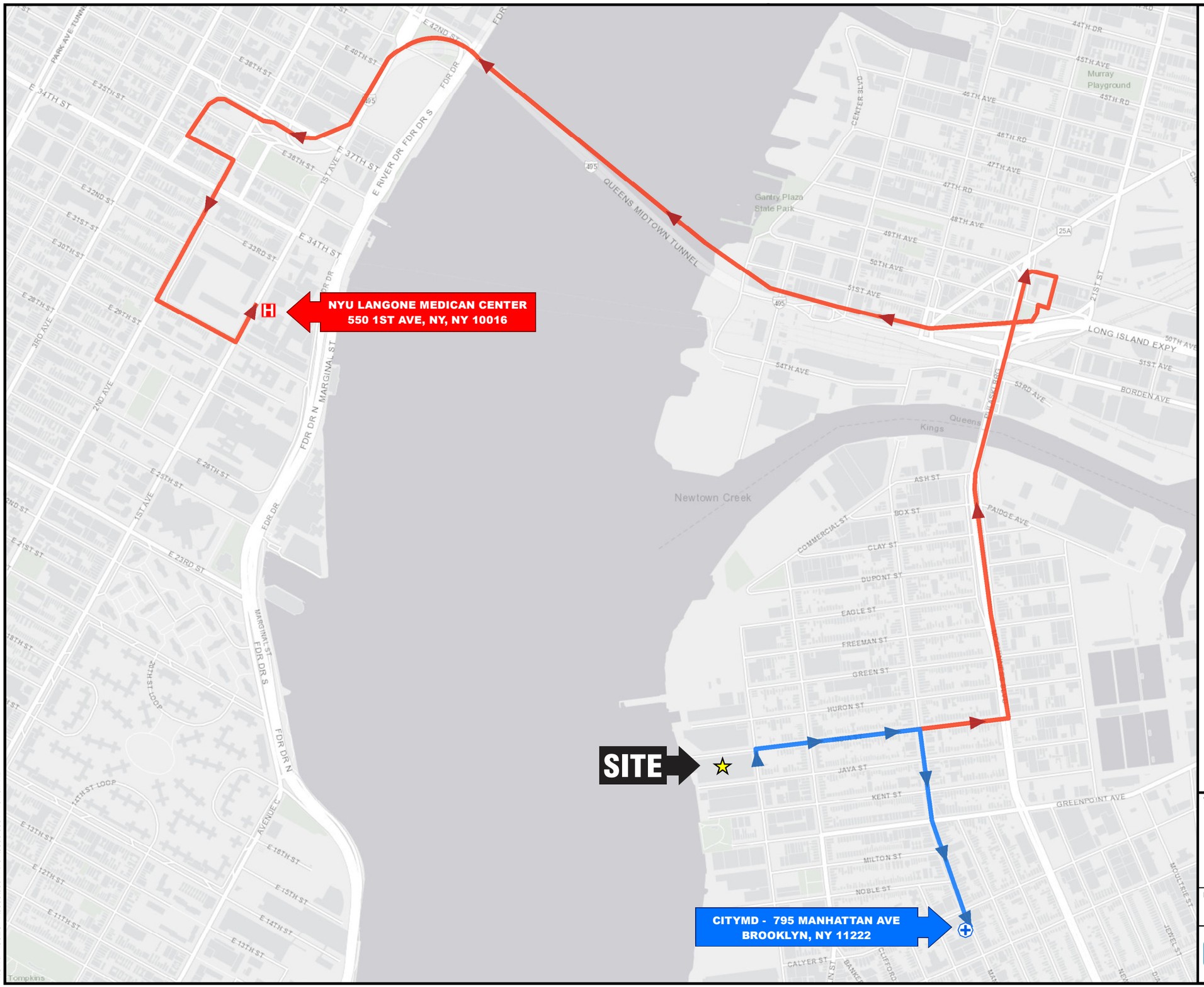
Prepared for:

LENDLEASE DEVELOPMENT, INC.

ROUX

Compiled by: E.B.	Date: 02/08/21	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	2
Project Mgr: J.W.	Project: 3583.0001Y000	
File: 3583.0001Y104.2.mxd		

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N

DIRECTIONS TO HOSPITAL

1. FOLLOW INDIA ST TO MCGUINNESS BLVD
2. TAKE PULASKI BRIDGE, QUEENS MIDTOWN TUNNEL AND 2ND AVE TO 1ST AVENUE IN MANHATTAN

DIRECTIONS TO URGENT CARE

1. HEAD NORTH ON WEST ST TOWARD INDIA ST
2. TURN RIGHT ONTO INDIA ST
3. TURN RIGHT ONTO MANHATTAN AVE/SGT. NICHOLAS ALEMAN WAY
4. CONTINUE TO FOLLOW MANHATTAN AVE
5. CONTINUE STRAIGHT THROUGH CHARNO WAY TO STAY ON MANHATTAN AVE

850 0 850'

Title:

ROUTES TO URGENT CARE AND HOPSITAL

GREENPOINT FERRY SITE
1 JAVA STREET, BROOKLYN, NY

Prepared for:

LENDLEASE DEVELOPMENT, INC.

ROUX

Compiled by: E.B.	Date: 02/08/21	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	3
Project Mgr: J.W.	Project: 3583.0001Y000	
File: 3583.0001Y104.3.mxd		

APPENDICES

A. Job Safety Analysis (JSA) Forms
B. Daily Tailgate Form
C. SDSs for Chemicals Used
D. COVID-19 Interim Health and Safety Guidance
E. Personal Protective Equipment (PPE) Management Program
F. Subsurface Utility Clearance Management Program
G. Heavy Equipment Exclusion Zone Policy
H. Generic Community Air Monitoring Program

APPENDIX A

Job Safety Analysis (JSA) Forms

JOB SAFETY ANALYSIS	Ctrl. No. CVD-19	DATE: 04/16/2020	☒ NEW ☐ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
Generic	**Fieldwork**	**Working in Areas Affected by Coronavirus**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Kristina DeLuca	Health and Safety Specialist	Brian Hobbs	CHSM

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES – Leather/cut-resistant in field and nitrile as needed
☒ HARD HAT – In field	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	
☐ LIFELINE / BODY HARNESS	☐ HEARING PROTECTION	☒ PPE CLOTHING – High visibility vest in field	☐ OTHER
☒ SAFETY GLASSES – In field	☒ SAFETY SHOES – Steel/composite toe in fie		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Cloth face covering, nitrile gloves, hand soap, water source, hand sanitizer, disinfectant spray and disinfectant wipes.

Commitment to Safety – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

SOCIAL DISTANCING: Maintain 6' of distance between yourself and all other people at all times. If you do not believe the scope of work can be conducted while maintaining this distance, contact your Project Manager immediately.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Project Preplanning	N/A	• Review and follow COVID-19 CDC, Roux, Client and local orders/protocols. • Ensure all workers are fit for duty - anyone feeling sick should remain at home even if symptoms do not align with COVID-19. If a worker has been in contact with someone potentially positive or positive for COVID-19, contact your Office Manager. • Determine PPE needs and ensure adequate supply of disinfectant wipes/spray, soap and water or hand sanitizer at Site. Due to high demands and limited supply, plan ahead. • Use the minimum number of employees necessary to safely complete the work.
2. Mobilization	**Exposure:** Becoming infected or infecting co-workers	**Personal/Rental/Roux Owned Vehicle** • Do not carpool. • Use the same vehicle every day and do not share with co-workers. • Verify workers/other people are not approaching vehicle prior to exiting the vehicle. Maintain 6' of distance from others. • DO not valet your car or allow others to use your car. If necessary, don nitrile gloves and safety glasses and clean/disinfect all high touch surfaces (steering wheel, knobs, door handles, turn signals, radio, etc.) by wiping thoroughly with approved disinfectants (follow manufacturer's instructions). This cleaning and disinfection shall occur before and after each use of the vehicle. Aseptically remove gloves and dispose of them along with rags/wipes, appropriately. Wash hands or use hand sanitizer immediately after each episode of cleaning. **Public Transportation** • Public transit should not be used unless absolutely necessary. Consider renting a car rather than taking public transit. If public transit is required, wear appropriate PPE and apply social distancing (6 ft). Use proper donning and doffing procedures for nitrile gloves. Wash hands or use hand sanitizer immediately after. **Hotel Stay (Refer to COVID-19 H&S Guidance for more info)** • If a hotel stay is deemed necessary for the given field work, ensure that you disinfect your room upon initial arrival and returning each day. Disinfect all surfaces of your room with an appropriate disinfectant using nitrile gloves. Use proper donning and doffing procedures for nitrile gloves. • Place the "Do Not Disturb" placard on the room while away and limit housekeeping services to the extent feasible during your stay to minimize the reintroduction and spread of the virus from others. Minimize, or avoid entirely, time spent in hotel common areas (i.e., the lobby, dining areas, gyms, etc.). Wash hands or use hand sanitizer often.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.
[2] A hazard is a potential danger. Break hazards into six types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards, energy source; Energy Source – electricity, pressure, compression/tension.
[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

3. Tailgate Meeting	**Exposure:** Becoming infected or infecting co-workers	• Must occur outside or remotely (i.e. video or conference call). • Maintain at least a 6+ ft distance between you and others. • Discuss primary infection prevention measures listed below. • Do not require employees or subcontractors to sign in, the Site Supervisor shall record names on the attendance form. • If the Site has more than 10 workers, separate tailgate meetings should be performed. • Discuss COVID-19 symptoms with coworkers and subcontractors to ensure fitness for duty. Anyone exhibiting signs or symptoms should be instructed to leave the Site, contact your Project Manager.
4. Site Activities	**Exposure:** Becoming infected or infecting co-workers	• Coordinate field activities at the beginning of the day (i.e. Tailgate meeting) to minimize time spent in crowded spaces or overlap while completing job tasks. • Don cloth face coverings as appropriate. • Apply social distancing (6+ ft) when interacting with others. If anyone comes within 6 ft of you while conducting work and your work prevents you from moving away, politely ask them to move back. If others are unable to move from your space, stop work and leave area. • Do not shake hands or touch others. • Do not share equipment or other items with co-workers and subcontractors unless wearing appropriate PPE (e.g. nitrile gloves). Assume equipment and other surfaces are potentially contaminated and remove gloves aseptically (See Appendix A of Roux Interim H&S Guidance for proper glove removal). • If anyone is coughing or sneezing in your vicinity, stop work and leave the area. • Do not work in areas with limited ventilation with others. • Cover your mouth and nose with tissue or paper towel or with your elbow when coughing or sneezing and wash hands or use hand sanitizer immediately after. If sick contact SHSO/PM and leave Site immediately. • Disinfect work surfaces/areas with approved disinfectant you're responsible for (ex: desk, office doorknob, computer, etc.) at least once at the beginning of your shift and at least once at the end of your shift with either sanitizing wipes or disinfectant spray. • Phones should be operated hands free to extent feasible. Sanitize your phone on a regular basis. Disinfection should also take place whenever suspected contaminated material comes in contact with any work surfaces/areas. Wash hands or use hand sanitizer immediately after. • Avoid public spaces and going out to eat by bringing your own lunch to the Site. If performing work in high density urban areas, it is recommended all food must be consumed at or in your vehicle. Wash hands or use hand sanitizer before eating and immediately after.

Primary Infection Prevention Measures

- Wash your hands often with soap and water for at least 20 seconds.
  - If soap and water are not available, use an alcohol-based sanitizer that contains at least 60% ethanol or 70% isopropanol. Key times to wash hands include after blowing your nose, coughing or sneezing, after using the restroom, and before eating or preparing food.
- Do not touch your eyes, face, nose and mouth with unwashed hands.
- Cover your mouth and nose with a tissue when you cough or sneeze or use the inside of your elbow. Throw potentially contaminated items (e.g. used tissues) in the trash.
- Avoid close contact/secondary contact with people and potentially contaminated surfaces.
  - Apply appropriate social distance (6+ feet).
  - Stop handshaking/touching others and use caution when accessing public spaces.
- Clean and disinfect frequently touched surfaces daily. Commonly touched items can include but are not limited to tables, doorknobs, light switches, countertops, handles, desks, phones, keyboard, toilets, sinks and field equipment. If surfaces are dirty, they should be cleaned with soap and water prior to disinfection. If surface cannot be cleaned/disinfected, then wash hands or use sanitizer as soon as possible.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

JOB SAFETY ANALYSIS	Ctrl. No. GEN-006	DATE 7/10/2020	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY:	WORK TYPE:	WORK ACTIVITY (Description):	
Generic	**Drilling**	**Direct Push Soil Borings / Well Installation**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Timothy Zei	Project Hydrogeologist	Raymond Olson	Office Health & Safety Manager
		Brian Hobbs	Corporate Health & Safety Manager

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION: (as needed) ☒ SAFETY SHOES: Composite-toe or steel toe boots	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing, Long Sleeve Shirt	☒ GLOVES: Leather, Nitrile and cut resistant ☒ OTHER: Insect Repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Geoprobe or Truck-Mounted Direct Push Drill Rig, Hand Tools, Photoionization Detector, Multi-Gas Meter (or equivalent), Macrocore liners, Liner Opening Tool, 20 lb. Type ABC Fire Extinguisher, 42" Cones & Flags, "Work Area" Signs, Water

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

"SHOW ME YOUR HANDS"
Driller and helper should show that hands are clear from controls and moving parts

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Mobilization of drilling rig (ensure the Subsurface Clearance Protocol and Drill Rig Checklist are completed)	**1a. CONTACT:** Equipment/property damage.	1a. The drill rig's tower/derrick will be lowered and secured prior to mobilization. 1a. A spotter should be utilized while moving the drill rig. If personnel move into the path of the drill rig, the drill rig will be stopped until the path is again clear. Use a spotter for all required backing operations. 1a. Set-up the work area and position equipment in a manner that eliminates or reduces the need for backing of support trucks and trailers. 1a. When backing up truck rig with an attached trailer use a second spotter if there is tight clearance simultaneously on multiple sides of the equipment or if turning angles limit driver visibility. 1a. Inspect the driving path for uneven terrain. Level or avoid if needed. 1a. Drill rig should have a minimum **exclusion zone which encompasses its tip radius** for non-essential personnel (i.e., driller helper, geologist) when the rig is moving/ in operation.
	1b. FALL: Slip/trip/fall hazards.	1b. Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 1b. Do not climb over stored materials/equipment; walk around. Practice good housekeeping. 1b. Use established pathways and walk on stable, secure ground.
	1c. CONTACT: Crushing from roll-over.	1c Geoprobe should cross all hills/obstructions head on with the mast down to reduce risk of roll-over.
2. Raising tower/derrick of drill rig	**2a. CONTACT:** Overhead hazards.	2a. Prior to raising the tower/derrick, the area above the drilling rig will be inspected for wires, tree limbs, piping, or other structures, that could come in contact with the rig's tower and/or drilling rods or tools. 2a. Maintain a safe distance of 10' from overhead structures.
	2b. CONTACT: Pinch Points/Amputation Points when raising the rig and instability of rig	2b. Inspect the equipment prior to use and avoid pinch/amputation points. 2b. Lower outriggers to ensure stability prior to raising rig tower/derrick. 2b. If the rig needs to be mounted, be sure to use three points of contact.
3. Advancement of drilling equipment and well installation	**3a. CONTACT:** Flying debris	3a. Be aware of and avoid potential lines of fire and wear required PPE such as eye, ear, and hand protection.
	3b. EXPOSURE: Noise and dust.	3b. Wet borehole area with sprayer to minimize dust. 3b. Stand upwind and keep body away from rig. 3b. Dust mask should be worn if conditions warrant. 3b. Wear hearing protection when the drill rig is in operation.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
3. Advancement of drilling equipment and well installation (Continued)	**3a. CONTACT:** Flying debris	3c. Contain drill cuttings and drilling water to prevent fall hazards from developing in work area. 3c. See 1b.
	3b. EXPOSURE: Noise and dust.	3d. Ensure all Emergency Safety Stop buttons function properly. 3d. Always wear leather gloves when making connections and using hand tools; wear cut-resistant (i.e., Kevlar) gloves when handling cutting tools.
	3c. FALL: Slip/trip/fall hazards.	3d. Inspect the equipment prior to use for potential pinch/amputation points. Keep hands away from pinch/amputation points and use of tools is preferable compared to fingers and hands. 3d. Inspect drill head for worn surface or missing teeth; replace if damaged or blunt.
	3d. CAUGHT: Limb/extremity pinching; abrasion/crushing.	3d. Ensure all jewelry is removed, loose clothing is secured, and PPE is secured close to the body. 3d. All non-essential personnel should stay away from the immediate work area; position body out of the line-of-fire of equipment. 3d. Drillers and helpers will understand and use the "Show Me Your Hands" Policy. 3d. Spinning rods/casing have an **exclusion zone of tip radius** while in operation.
	3e. CONTACT: Equipment imbalance during advancement of drill equipment.	3e. Drillers will advance the borehole with caution to avoid causing the rig to become imbalanced and/or tip. 3e. The blocking and leveling devices used to secure the rig will be inspected by drillers and Roux personnel regularly to see if shifting has occurred. 3e. In addition, personnel and equipment that are non-essential to the advancement of the borehole will be positioned away from the rig at a distance that is at least as far as the boom is high (**minimum exclusion zone**).
	3f. EXPOSURE: Inhalation of contamination/vapors.	3f. Monitor ambient air for dangerous conditions using a calibrated photoionization detector (PID) to periodically monitor the breathing zone of the work area. 3f. If a reading of >5ppm is recorded, the Roux field personnel must temporarily cease work, instruct all Site personnel to step away from the area of elevated readings and inform the Roux PM of the condition. The Roux PM will then recommend additional precautions in accordance with the site specific health and safety plan. 3f. Use a multi-gas meter to monitor ambient air for dangerous conditions (i.e. unsafe levels of carbon monoxide when drilling indoors or the presence of explosive vapors).
	3g. EXERTION: Potential for muscle strain/injury while lifting and installing well casings, lifting sand bags, and/or lifting rods.	3g. Keep back straight and bend at the knees. 3g. Utilize team lifting for objects over 50lbs. 3g. Use mechanical lifting device for odd shaped objects.
4. Remove sample liner.	**4a. EXERTION:** Potential for muscle strain/injury while removing liner from probe rod.	4a Utilize team lifting for objects over 50lbs. 4a. Use hydraulic liner extruder if available.
	4b. CONTACT: Pinch points and cuts	4b. Place liner on sturdy surface when opening. 4b. Don cut-resistant gloves and use appropriate liner cutter when opening liners. 4b. Always cut away from the body.
	4c. EXPOSURE: Inhalation and/or dermal contact with contaminants.	4c. Wear chemical-resistant disposable gloves when handling liners. 4c. See 3e.
5. Decontaminate equipment.	**5a. EXPOSURE/CONTACT**: To contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, vapors).	5a. Wear chemical-resistant disposable gloves and safety glasses. 5a. Contain decontamination water so that it does not spill. 5a. Use an absorbent pad to clean spills, if necessary. 5a. Spray equipment from side angle, not straight on, to avoid backsplash. 5a. See 3b.
	5b. EXPOSURE: To chemicals in cleaning solution including ammonia.	5b. See 4a. Review SDS to ensure appropriate precautions are taken and understood.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

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JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**General Site Activity**	**Driving**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Valerie Sabatasso	Staff Scientist	Brian Hobbs	Corporate Health & Safety Manager

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Leather/ cut-resistant level 2
☒ HARD HAT: when outside vehicle	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☐ OTHER _____
☐ LIFELINE / BODY HARNESS	☒ HEARING PROTECTION	☒ PPE CLOTHING: high visibility vest, when outside vehicle	
☒ SAFETY GLASSES:when outside vehicle	☒ SAFETY TOE BOOTS: when outside vehicle		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Motor Vehicle (i.e. car, truck, SUV)

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Driving to/leaving Site	**1a. CONTACT:** Severe injury/disability, property damage, monetary loss (insurance premiums, deductibles, loss of license/job) caused by collision with or struck by other vehicles, obstructions, pedestrians, animals, etc. *Common factors that may lead to CONTACT incident, but not limited to: • distracted driving (cell phone, GPS, radio, billboards, "rubber necking") • lack of situational awareness • unfamiliarity with traffic patterns/road layout • weather conditions (wet/icy roads, hydroplaning, black ice) • weariness • high speeds • obstructed vision (solar glare, debris on windshield, blind spots) • changes in travel pathway (construction, snow banks, non-operational signals, potholes, detours, special events) • improper vehicle maintenance (non-operational signal light, worn tires, cracked windshield, ineffective wipers) • loose or unsecure objects	1a. PLAN AHEAD – review/make yourself familiar with maps and driving directions before beginning the drive to the Site. Do not attempt to drive and review maps/directions at the same time. Pull over and stop your vehicle before looking at maps/directions. 1a. Complete a basic vehicle inspection before driving. Verify Inspection and Registration are current, tires and wipers are in good condition, all lights are functional, all glass/mirrors are undamaged, the horn is functional, roof/hood/trunk are free from accumulated snow and visibility is not impaired due to snow/ice/frost/fog on windows. 1a. Do not hang items in car that can obstruct your view or become projectiles in a collision. 1a. Do not get distracted using touch screen radios or GPS units built into newer models. Keep your eyes on the road and stay alert. 1a. Follow posted speed limits and obey traffic signals and roadway signs. 1a. Always wear your seat belt and shoulder harness when driving. 1a. When driving around large vehicles and trucks, maintain extra space as these vehicles may not be able to see a smaller car too close. 1a. Follow the "Rules of the Road" including: using your turn signals, coming to a complete stop, and allowing vehicles the right of way (yield) when they are when traffic laws require. 1a. Apply the Smith Five Keys® of safe driving • Aim High in Steering® - Expand eye lead time to a minimum of 15 seconds • Get the Big Picture® - Maintain proper a 4 second minimum following distance at all times - Scan mirrors every 5-8 seconds to achieve a circle of awareness - Position your vehicle so you can see relevant/non-relevant objects • Keep Your Eyes Moving® - Try to maintain about 180 degrees of visibility - Avoid blank and fixed stares. Avoid focusing on one object for more than 2 seconds • Leave Yourself an Out® - Avoid traveling in traffic clusters - Surround yourself with space - Anticipate the actions of others

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Driving to/leaving Site (cont'd)	**1a. CONTACT:** Severe injury/disability, property damage, monetary loss (insurance premiums, deductibles, loss of license/job) caused by collision with or struck by other vehicles, obstructions, pedestrians, animals, etc.	• Make Sure They See You® - Maintain eye contact with on-coming vehicles/pedestrians - Use warning devices (e.g., hand signals, high-lights, horns etc.) - Proper timing is essential 1a. Do not perform reconnaissance or inspections while driving. Your vehicle should be parked in a safe location when viewing or surveying the Site and vicinity 1a. Avoid sudden turns and stops. Don't drive recklessly – be in control of vehicle at all times. 1a. In inclement weather, first determine if work can be POSTPONED. Otherwise, plan according to weather conditions including checking forecast along entirety of travel route (especially, for long distances). Reduce speed as road conditions warrant. Travelling with winter car equipment, in the winter, is strongly recommended (i.e., shovel, scraper, brush, blanket, extra clothing, flashlight, bag of sand). If your vehicle has 4-wheel drive, review to operators manual and understand operating procedure prior to engaging 4-wheel drive. If at any point on your drive weather becomes too severe to proceed safely pull over if safe to do so or seek nearest cover (e.g., overpass) 1a. If feeling drowsy or sleepy, do not drive. Pull over in a safe place to rest if you experience any signs of drowsiness. Make sure to get adequate sleep the night before an early drive. 1a. Never operate a vehicle under the influence of alcohol or illegal substances or medications affecting your performance. 1a. Keep your eyes on the road. Do not call or talk on cellular phones. Pull over to a safe location if you must answer or make a call. 1a. When parking, pull-through when possible. If backing is required visually inspect area to ensure it is free from obstructions prior to backing in and relying solely on mirrors; use spotters when available.
2. Entering/Exiting Vehicle.	**2a. CAUGHT:** Personal injury (broken fingers/hand) while entering or exiting vehicles **2b. FALL:** Personal injury (twisted ankle, deep contusion, concussion, broken wrist/arm, etc.) from slip/fall on uneven or unstable or slippery surface while exiting/entering vehicle **2c. CONTACT:** Severe injury/disability, property damage, monetary loss (insurance premiums, deductibles, loss of license/job) caused by collision with or struck by other vehicles, obstructions, pedestrians, animals, etc.	2a. Open and close doors slowly. Never put hands or feet in between door and vehicle to avoid pinch points. 2b. When exiting the vehicle make sure your feet are on firm footing and weight is evenly distributed before exiting/standing. In inclement weather use hands to support yourself, by holding the car door and/or steering wheel, when exiting the vehicle. 2c. Check both directions for traffic before opening door. Do not exit vehicle if traffic does not permit you to exit safely 2c. Check anticipated path of door prior to opening, do not open door into any obstructions (e.g., bollards, high curbing)

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JOB SAFETY ANALYSIS	Ctrl. No. GEN-009	DATE: 7/10/2020	☐ NEW ☒ REVISED	PAGE 1 of 1

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
Generic	**O&M**	**Movement of 55-Gallon Drums/Drum Handling with Mobile Carrier**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Michael Sarni	Technician	Brian Hobbs	Corporate Health & Safety Manager

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Cut-resistant gloves
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☐ OTHER:
☐ LIFELINE / BODY HARNESS	☐ HEARING PROTECTION	☒ PPE CLOTHING: Fluorescent long sleeve shirt or long sleeve shirt and reflective safety vest.	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Steel or composite toe		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Mobile Drum Carrier, safety cones, and caution tape

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment (i.e. forklift) and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Preparing for and Inspection of Drum	**1a. FALL:** Tripping/falling due to uneven surface. Loose debris/garbage in work area.	1a. Clear area of loose garbage and debris. Inspect 55-gal drums for proper condition, labeling, check drum ring and bolts for tightness, inspect mobile drum carrier. 1a. Do a Test Lift to get a general sense of the weight of the drum. 1a. Inspect and use established pathways to avoid uneven terrain, weather-related hazards (i.e., debris, puddles, ice, etc.), and other obstructions. 1a. Secure work area and coordinate and communicate the planned work activities with other personnel working in the area. 1a. Delineate work area with 42" safety cones.
	1b. CONTACT/EXPOSURE: Drums could potentially be damaged or contain hazardous material. Mobile drum carrier could potentially be in poor working condition causing malfunctioning during operation.	1b. Prior to inspecting drums don cut-resistant gloves. If drum is not properly labeled, do not open and cease all drum transport activities. Immediately contact project manager and inform him/her of drum situation. 1b. Do not continue drum transport activities until further actions are determined by the project manager. 1b. If the drum is properly labeled, but leaking, improperly sealed or in poor condition, place drum in an over-pack drum. 1b. Inspect mobile drum carrier to ensure its overall integrity. Look for rust marks or potential weak points where the drum carrier could malfunction. Inspect the wheels to ensure that they easily turn and nothing is impeding their movement.
	1c. EXERTION/CAUGHT: Potential pinching/exertion hazards while securing ring/ tightening bolts	1c. Keep back straight and knees slightly bent while securing drum ring/tightening bolt. Wear cut-resistant gloves.

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2. Position drum clamp tightly in between drum ribs, securing drum clamp to drum with chain	**2a. CAUGHT:** Pinching fingers between drum clamp and handle/chain.	2a. Attach drum clamp with chain and tighten until snug. Do not place hands between drum clamp and drum as the chain is tightened; wear cut resistant gloves. Keep face away from drum when handling in case of escaping vapors.
Assess **[1]JOB STEPS**	**Analyze** **[2]POTENTIAL HAZARDS**	**Act** **[3]CRITICAL ACTIONS**
3. Disengage safety latches on handle, pull handle down until drum is lifted off ground and safety latches are reengaged; slightly suspending drum off the ground	**3a. EXERTION/ CONTACT:** Potential muscle strain associated with lifting/engaging drum/handle. Drum could shift/slip downward and crush toes.	3a. Ascertain whether the drum is overweight; if it is, then two people are needed to lower handle while drum is secured with clamp so that safety latches can be engaged. Keep body out of the line of fire of the handle (do not position head above handle) as it is being pushed down. Do not allow feet/toes to be positioned under the drum as it is being lifted; wear steel/composite toe boots.
	3b. CAUGHT: Fingers could be pinched while engaging/disengaging safety latches on handle	3b. Wear cut-resistant gloves while disengaging/reengaging safety latches. 3b. Avoid placing hands in pinch points.
4. Transport drums to designated location and disengage drum clamp (repeat Step 3 in reverse order)	**4a. FALL:** Tripping/ falling due to obstructions and uneven terrain. Potential for drum to fall during transport.	4a. Ensure transport path is free of potential obstructions that may cause the drum/carrier to become unstable. Position drum clamp between the ribs on the drum to prevent possible slipping.

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JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)	
GENERIC	**Site Recon**	**Mobilization/Demobilization**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Rebecca Lowy	Staff Assistant Geologist	Brian Hobbs	Corporate Health & Safety Manager
Tally Sodre	OHSM		

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Leather, nitrile, and cut resistant (as needed)
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☐ OTHER
☐ LIFELINE / BODY HARNESS	☒ HEARING PROTECTION (as needed)	☒ PPE CLOTHING: Fluorescent reflective vest of high-visibility clothing; long sleeve shirt; long pants	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Steel Toe or composite toe		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment: Varies

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

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Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Mobilize/demobilize and establish work area	**1a. FALL:** Slip/trips/falls from obstructions, uneven terrain, weather conditions, heavy loads, and/or poor housekeeping.	1a. Use 3 points-of-contact/ensure secure footing when entering and exiting vehicle. 1a. Inspect walking path for uneven terrain, steep hills, obstructions, and/or weather-related hazards (i.e., ice, snow, and puddles) prior to mobilizing equipment. Use established pathways. Walk on stable/secure ground. 1a. Do not climb over stored materials/equipment; walk around. Practice good housekeeping; organize and store equipment neatly in one area at its lowest potential energy. 1a. Wear boots with adequate treads. 1a. Delineate unsafe areas with 42” cones, caution tape and/or flagging.
	1b. CONTACT: Personal injury and/or property damage caused by being struck by Site traffic or equipment used in Site activities.	1b. Observe and maintain the posted speed limits. 1b. When first arriving onsite, park vehicles in designated parking space and/or out of the way locations. Use parking brake on all vehicles and tire chocks on work trucks and trailers. 1b. Check in with Site Manager/Supervisor to ensure coordination with other Site activities and to discuss any special hazards. Ensure that short-service employees (SSE) are identified. 1b. Identify potential traffic sources. 1b. Wear PPE including high visibility clothing or reflective vest. 1b. Use a spotter while moving work vehicles; plan ahead to avoid backing whenever possible. 1b. Maintain a minimum exclusion zone when vehicles are in motion (i.e. greater than swing/tip radius of equipment). When backing up truck rig with an attached trailer use a second spotter if there is tight clearance simultaneously on multiple sides of the equipment or if turning angles limit driver-to-spotter visibility. 1b. Delineate work area with 42” cones, flags, caution tape, and/or other barriers. 1b. Position “Work Area” signs at Site entrances, if possible, or at either side of work area.

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Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
		1b. Position largest vehicle to protect against oncoming traffic. 1b. Face traffic, maintain eye contact with oncoming vehicles, use a spotter, and establish a safe exit route. 1b. Observe potential overhead and ground surface features that may interfere with moving equipment. Clear the path of physical hazards prior to initiating mobilization.
	1c. CAUGHT: Personal injury from pinch points and being in line-of-fire of vehicle and/or equipment.	1c. Make sure driver has engaged parking brake and placed wheel chocks in a position to prevent movement. Be sure that vehicle is parked in front/down gradient (positioned to best block oncoming traffic) of work area. 1c. Wear leather gloves when handling any tools or equipment. Wear cut-resistant gloves (Kevlar or similar) when handling sharp objects/cutting tools/glass. 1c. Keep body parts away from line-of-fire of equipment. 1c. Always carry tools by the handles and/or designated carrier. Ensure sharp-edged tools are sheathed/secure. 1c. Remove any loose jewelry. Avoid wearing loose clothing and/or ensure loose clothing is secure. 1c. Secure all items on the equipment, tighten up any items or features that have potential to shift or break during mobilization.
	1d. OVEREXERTION: Muscle strains while lifting/carrying equipment.	1d. Use body positioning and lifting techniques that avoid muscle strain; keep back straight, lift with legs, turn with whole body, keep load close to body, and never reach with a load. 1d. Ensure that loads are balanced. Use assistance (mechanical or additional person) to carry equipment that is either unwieldy or over 50 lbs.
	1e. EXPOSURE: Personal injury from exposure to biological and environmental hazards.	1e. Inspect area to avoid contact with biological hazards (i.e. poisonous plants, stinging insects, ticks, etc.). 1e. Wear long sleeved clothes treated with Permethrin, apply insect repellant containing DEET to exposed skin, and inspect clothes and skin for ticks during and after work. 1e. Apply sunscreen (SPF 15+) if exposure to sun for 30 minutes or more is expected.
	1f. EXPOSURE: Weather related injuries.	1f. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, nausea, rapid and shallow breathing). Take breaks in cool places and hydrate as needed. 1f. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). Take breaks in warm areas as needed. 1f. Wear clothing appropriate for weather and temperature conditions (e.g., rain jackets, snow pants, multiple layers). 1f. If lightning is observed, wait 30 minutes in a sheltered location (car is acceptable) before resuming work.
	1g. EXPOSURE: Personal injury from noise hazards.	1g. Wear hearing protection if sound levels exceed 85 dBA (if you must raise your voice for normal conversation).

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JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Site Recon**	**Site Walk and Inspection**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Sara Barrientos	Staff Geologist	Brian Hobbs	Corporate Health and Safety Manager
		Joe Duminuco	Vice President

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION: ear plugs as necessary ☒ SAFETY SHOES: Steel or composite toed	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: High-visibility vest or high-vis outerwear	☒ GLOVES: Leather/cut-resistant/chemical resistant ☒ OTHER: Tyvek and rubber boots as necessary, dust mask as necessary

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment: Site map, emergency contact list, documentation of urgent care/hospital routes and / or guide familiar with Site, operating cell phone or walkie-talkie if Site allows.

Commitment to Safety – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

SITE SECURITY: Prior to site inspection verify appropriate method to address Site Security concerns as it relates to potential criminal activity, homeless population, and/or isolation concerns. Work with the Project Principal and/or Project Manager to address appropriately.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Check in with Site contact.	**1a. CONTACT/EXPOSURE/FALL:** Personal injury caused by lack of site specific hazards.	1a. Inquire about hazards and other activities taking place at the Site. 1a. Inform Site contact of work scope, timeline and location(s). 1a. Discuss emergency evacuation procedures and muster points with Site contact.
2. Traversing the Site	**2a. CONTACT:** Property damage and personal injury caused by obstructions/vehicles or unauthorized personnel at remote Sites.	2a. All equipment must be stowed and secured prior to moving. 2a. Maintain speed limit as posted on-site. 2a. When possible drive on established roadways. 2a. Yield to all pedestrians. 2a. Use pull-through spots or back into parking spots. 2a. Don high visibility clothing/safety vest. If working at remote Site, add orange accessories during hunting season.
	2b. FALL: Uneven terrain and weather conditions. Overgrown shrubs and vines. Equipment in the work zone.	2b. Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 2b. When possible, use established pathways and walk on stable, secure ground. 2b. Communicate traversing hazards with others.
	2c. OVEREXERTION: Muscle strain while carrying equipment.	2c. When carrying equipment to/from work area, use proper lifting techniques; keep back straight, lift with legs, keep load close to body, never reach with a load. Ensure that loads are balanced to reduce the potential for muscle strain. Use mechanical assistance or make multiple trips to carry equipment.
	2d. EXPOSURE: Biological hazards – ticks; bees/wasps; poison ivy; insects; (Ticks are most active any time the temperature is above freezing, typically from March to November.)	2d. Inspect area to avoid contact with biological hazards. 2d. Ticks: • Treat outer clothing including pants, shirts, socks, boots and hats the evening before with Permethrin (allowing at least two hours before use). • Apply DEET to exposed skin before travelling to the Site and reapply after two hours. • Check for ticks during and after work. 2d. Bees: • Use bee spray as appropriate to deter/eliminate bees. • Protect exposed skin with insect repellent.

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	2e. EXPOSURE: Heat Stress & Cold Stress. Personal injury from working in inclement weather conditions.	2d. Poison Ivy: • Identify areas of poison ivy and spray with weed killer. Don Tyvek and rubber boots while traversing poison ivy areas. • If skin contacts poison ivy, wash skin thoroughly with soap and water. 2e. Wear sunscreen with SPF 15 or greater on exposed skin whenever 30 minutes or more of sun exposure is expected. 2e. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, rapid and shallow breathing). Take breaks as needed. 2e. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). Take breaks as needed. 2e. Wear appropriate rain gear as needed. 2e. Take frequent breaks if tired, wet, or cold/hot. Drink water. 2e. If lightning is observed, wait 30 minutes after last thunder boom/lightning bolt in a sheltered location (car acceptable) before starting work again.
3. Walking near heavy equipment and machinery.	**3a. CONTACT:** Personal injury from Site and roadway traffic. Personal injury from flying debris **3b. OVEREXERTION:** Personal injury from lifting/moving/rotating equipment. **3c. EXPOSURE:** Hearing damage from noise generating equipment/processes. Inhalation/exposure to hazardous vapors and or dust. **3d. EXPOSURE:** Working in a remote area.	3a. See 2a. 3a. Maintain an exclusion zone of at least 10'-25' feet from all engaged equipment. 3a. Keep body parts out of the line of fire of pinch points. 3a. Wear appropriate PPE always. 3b. See 2c. 3c. Wear hearing protection if >85 dBA. (i.e. noise levels which require you to raise your voice to communicate) 3c. Always wear leather gloves when handling any tools or equipment. 3c. Always wear appropriate PPE based off chemicals present. 3d. Use the "buddy system" whenever possible. If working alone, contact PM upon arrival/departure, as well as during work activities prior to commencing work if applicable. 3d. Always carry a communication (i.e., cell phone, walkie-talkie) or directional (i.e., map, compass, etc.) device when traversing remote areas.
4. Working in adverse weather conditions.	**4a. EXPOSURE:** Heat Stress & Cold Stress. Personal injury from working in inclement weather conditions.	4a. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, rapid and shallow breathing). Take breaks as needed. 4a. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). Take breaks as needed. 4a. Wear appropriate rain gear as needed. 4a. Take frequent breaks if tired, wet, or cold/hot. Drink water. 4a. If lightning is observed, wait 30 minutes after last thunder boom/lightning bolt in a sheltered location (car acceptable) before starting work again.
5. Departing Site.	**5a. EXPOSURE:** Exposure to unnecessary hazards should personnel believe Roux is on-Site during an emergency and conduct a search.	5a. Sign out or notify Site contact and Roux Project Manager of your departure.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

JOB SAFETYANALYSIS Ctrl. No. GEN-020	DATE: 7/10/2020	☐NEW ☒REVISED	PAGE 1 of 2

JSA TYPE CATEGORY: **GENERIC**	WORK TYPE: **Gauging & Sampling**	WORK ACTIVITY (Description): **Soil Sampling**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
MaryBeth Lyons	Project Scientist	Brian Hobbs	Corporate Health and Safety Manager

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES ☒ FLAME RESISTANT CLOTHING (as needed)	☐ GOGGLES ☐ FACE SHIELD: ☒ HEARING PROTECTION: (as needed) ☒ SAFETY SHOES: Composite-toe or steel toe boots	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	☒ GLOVES: Leather, Nitrile and cut resistant ☒ OTHER: Insect repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Recommended Equipment: 42" traffic cones, caution tape, trowel

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs.

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Secure location	**1a. CONTACT:** Personnel and vehicular traffic may enter the work area.	1a. If in an area with foot or vehicle traffic, delineate the work area with 42" traffic cones and/or caution tape to prevent exposure to traffic and inform others of work activity. 1a. Wear reflective vest and/or high visibility clothing. 1a. Face the direction of any vehicular traffic. Position vehicle to protect worker from traffic. 1a. Communicate work activity with adjacent work areas.
	1b. FALL: Tripping/falling due to uneven terrain or entry/exit from excavations.	1b. Inspect pathways and work area for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions. 1b. Use established pathways and walk on stable, secure ground. 1b. Stage equipment and tools in a convenient, stable, and orderly manner. Store equipment at lowest potential energy. 1b. Roux employees should stay 5 feet from in-progress excavations and trenches. Should entry to an excavation be required (when stabilization is complete), ladders must be employed for steep embankments, excavations, pits, and trenches.
	1c. EXPOSURE: Exposure to sun and excessive heat, possibly causing sunburn, heat exhaustion or heat stroke. Exposure to cold temperatures possibly causing cold stress. Skin burn as a result of fire, if applicable. Exposure to explosive vapors due to tank farm operations. Exposure to airborne dust due to high wind speeds. Biological hazards - ticks, bees/wasps, poison ivy, thorns, insects, etc.	1c. Wear sunscreen with an SPF 15 or greater whenever 30 minutes or more of exposure is expected. 1c. Use a tent to shade the work area from direct sunlight particularly when warm temperatures are expected. 1c. Be aware of the location of all Site personnel. 1c. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, rapid and shallow breathing). 1c. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). 1c. Take breaks for rest and water as necessary. Move to an area that is well shaded or a climate controlled area (i.e., car, site trailer, etc.). 1c. No open flames/heat sources. 1c. Flame retardant clothing must be worn when specified by Site policy. 1c. Cell phones should be disabled when specified by Site policy. 1c. Pre-treat field clothing with Permethrin prior to site visit to kill ticks and insects. 1c. Wear long sleeved shirts and tuck in (or tape) pant legs into socks or boots to prevent ticks from reaching skin. 1c. Spray insect repellant containing DEET on exposed skin when working in overgrown areas of the Site. 1c. Inspect area to avoid contact with biological hazards. 1c. Wear cut-resistant gloves when handling branches, shrubs, etc. that may lie within the walking path. 1c. Wear spoggles if the average wind speeds are above 15 mph. 1c. Personnel shall examine themselves and co-worker's outer clothing for ticks periodically when onsite. 1c. If skin comes in contact with poison ivy, wash skin thoroughly with soap and water. If rash persists after washing, immediately notify your supervisor, the OM and OHSM for possible consultation with a physician at an approved Occupational Health Clinic.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
2. Collect Soil Sample	**2a. CONTACT:** Personal injury from pinch points, cuts, and abrasions from sampling equipment tools, and material within soil sample. Personal injury from contact with moving equipment while sampling. Personal injury from contact with glass sample jars.	2a. Wear cut-resistant (i.e., Kevlar) gloves under chemical-resistant (nitrile) disposable gloves when handling soil samples and sampling jars. 2a. Where possible, use trowel or equivalent tool to avoid contact with soil. 2a. If sampling from bucket of heavy equipment, ensure all equipment is off and operator utilizes the “show me your hands” policy. 2a. See 1a.
	2b. EXPOSURE: Exposure to contamination (impacted soil) and/or lab preservatives.	2b. Wear chemical-resistant (nitrile) disposable gloves over cut resistant gloves to protect hands when handling samples; use containment material or plastic sheeting to protect surrounding areas. 2b. Wear safety glasses to protect eyes from dust or air-borne contaminants that may results from disturbing the soil. 2b. Where possible, remain upgradient from sample location if collecting soil sample from stockpile, drill rig, etc. to avoid breathing contaminant vapors, if they are present. 2b. When collecting soil sample from hand auger, put large zip lock bag over entire auger to prevent spillage of soil on to the ground. 2b. Open sample jars slowly and fill carefully to avoid contact with preservatives.
	2c. EXERTION: Exertion due to repetitive motion and ergonomics.	2c. Utilize a table or raised surface for soil sampling if multiple soil samples are going to be taken to minimize repetitive bending motion.
3. Decontaminate equipment	**3a. EXPOSURE/CONTACT:** Contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated vapors and/or soil).	3a. Wear chemical-resistant (nitrile) disposable gloves and safety glasses. 3a. Use an absorbent pad to clean spills. 3a. Properly dispose of used materials/PPE in provided drums in designated drum storage area. 3a. Remain upwind of sample and avoid breathing contaminant vapors, if they are present.
	3b. EXPOSURE: Chemicals in cleaning solution including ammonia.	3b. Wear chemical-resistant (nitrile) disposable gloves and safety glasses. 3b. Work on the upwind side of decontamination area. 3b. Use an absorbent pad to clean spills. 3b. Properly dispose of used materials/PPE in provided drums in designated drum storage area. Ensure that all drums are properly labeled and secured.

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JOB SAFETY ANALYSIS	Ctrl. No. GEN-023	DATE: 7/10/2020	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)	
Generic	**Construction**	**Spotting Heavy Machinery**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Levi Curnutte	Project Scientist	Brian Hobbs	Corporate Health & Safety Manager

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ Particulate Respirator	☒ GLOVES: Cut resistant / leather
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☐ OTHER:
☒ LONG SLEEVED SHIRT	☐ HEARING PROTECTION	☒ PPE CLOTHING: Fluorescent reflective clothing	
☐ LIFELINE / BODY HARNESS	☒ SAFETY SHOES: Steel-/Composite-toe boots/shoes		
☒ SAFETY GLASSES			

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Heavy Machinery (i.e. excavator, payloader, truck, forklift, etc.)

COMMITMENT TO SAFETY- All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

EXCLUSION ZONE (EZ): Maintain Minimum Heavy Equipment Exclusion Zone around equipment and loads while it is in motion. The HEEZ must be greater than the swing zone of any moving part of the equipment, tip zone of the equipment, fall zone of the equipment and contents, distance that debris may travel during demolition activities and/or foot print of a structure to be demolished.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Prepare for machine activity.	**1a. CONTACT:** Obstructions in the work area may create contact hazards from machinery. **1b. Fall :** Slip/Trip/Fall	1a. Cordon off the work area with safety barrels/cones and a rigid barrier (snow fence, traffic bar, etc.). Communicate that only necessary personnel should be in the work area. Spotter and equipment operator shall enforce the **EZ.** Operator will not operate but shall remain in the hands-off mode while personnel are within the exclusion zone. 1b. Ensure that work area is flat, level and clear of any obstructions or debris before setting up work zone.
2. Spotting.	**2a. CONTACT:** Machine or load contact with personnel, property, or machinery.	2a. Discuss the specifics of the work with the operator and be clear about any hand signals that will be used. Clearly discuss the limits of the assigned work area and the machine's Exclusion Zone. Maintain Exclusion Zone. The Exclusion Zone shall be delineated by using 42-inch traffic cones/barrels and a fixed rigid barrier. 2a. The Minimum Heavy Equipment Exclusion zone is greater than the swing/tip radius of equipment. 2a. Both the spotter and equipment operators shall have 2-way radios/cellular devices on their persons to ensure audible communication in the event any changes or new hazards may arise. 2a. All workers should stay outside of the Exclusion Zone of all equipment unless operator is stopped and in "Hands Off" mode. **(This includes the spotter unless an exception has been established in the Site-specific JSA).** If the Exclusion Zone must be reduced due to work area restrictions then the spotter and operator shall enforce the reduced Exclusion Zone. 2a. Spotters must make eye contact with the machine operator or all movement ceases until visual contact can be reestablished. 2a. Spotter shall keep an eye out for any issues with the machine the operator may not see and communicate with other work crews and spotters on behalf of the operator. 2a. If the spotter needs to take a break, he must find a replacement before leaving or have the machine stop operations. **No heavy equipment shall operate without a spotter under any circumstances.** 2a. Wear fluorescent clothing/safety vest.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
	2b. FALL: Slip/Trip/Fall	2b. Look where walking to identify and avoid slip/trip/fall hazards. Avoid icy and/or wet surfaces. Remove obstacles if possible. 2b. Use designated walkways during spotting whenever possible.
	2c. CAUGHT: Caught between machinery and nearby objects.	2c. **Maintain Exclusion Zone.** Do not stand between large, loose or fixed objects or structures and the machinery while it is in motion. Keep in sight of operator at all times while being aware of surrounding structures.
	2d. EXPOSURE: Inhalation of exhaust from machinery.	2d. The spotter will position him/herself upwind of the working machinery, when possible. Spotter will also inform others working within the vicinity of the EZ of proper positioning, if applicable.

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JOB SAFETY ANALYSIS	Cntrl. No. GEN-027	DATE: 11/3/2020	☒ NEW ☐ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Drilling**	**Pre-Drilling Clearance, Vactron and Air Knife**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Courtney Rempfer	Staff Scientist	Joseph Midwig	Office Health & Safety Manager
Sara Redding	Senior Hydrogeologist	Brian Hobbs	Corporate Health & Safety Manager

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☒ FACE SHIELD (While Air Knifing) ☒ HEARING PROTECTION (As needed) ☒ SAFETY SHOES: Composite toe or steel toe boots	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing; long-sleeve shirt	☒ GLOVES: Leather, Nitrile, cut-resistant ☒ OTHER: Dusk mask, insect repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Vac-Truck or Vac Drum, Compressor, Jack Hammer, Air Knife. Circular Saw, Hand Tools, Dust Mask, Photoionization Detector, Multi Gas Meter, 42 inch safety cones and flags, Retractable Cone Bars, Caution Tape, 20 lb. Fire Extinguisher, "Work Area" Signs, Pressurized Water Sprayer

Commitment to Safety – All personnel onsite will actively participate in hazard recognition and mitigation throughout the day by verbalizing SPSAs

EXCLUSION ZONE: All non-essential personnel will maintain a distance of 10 feet from drilling equipment while equipment is moving/engaged

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Verify pre-clearance protocol	**1a. CONTACT:** Underground utility damage; property damage; personal injury	1a. Confirm that (if applicable) "Call Before You Dig" and local utility companies were contacted prior to starting work in order to confirm utility mark outs. Must have a case # before digging. 1a Walk the Site to evaluate utility markings and review maps (see Site Walk Inspection JSA). Utilities are not always properly marked out ensure use of observational skills through the pre-clearing checklist. 1a. Review pre-clearing checklist fromm and sub-surface clearance form. Pre-clearing protocol indicates that clearance must be conducted to a minimum of 5 vertical feet below ground surface or 10 vertical feet below ground surface in the critical zone using hand tools.
	1b. ENERGY SOURCE/CONTACT: Property damage; Pressurized water mains may cause lacerations or broken bones. Pressurized gas mains may explode causing serious injury, or death. Underground electric may cause severe burns, shock, or death.	1b. Pre-clearing of each soil boring/monitoring well location must be conducted to a minimum of 5 vertical feet below the ground surface (10 feet minimum for Critical Zone) using hand tools (shovel and non-metallic dig bar and hand auger) prior to drilling. Supervisor should be contacted to discuss appropriate pre-clearing depth. 1b. MUST Complete subsurface clearance checklist prior to pre-clearance.
	1c. FALL: Slip, Trip or Fall may cause muscle strains or tears, abrasions, lacerations, or broken bones.	1c. Be aware of the conditions when walking or loading equipment and working. Walk within established pathway avoiding uneven surfaces. Remove potential slip/trip/fall hazards.
2. Mobilize/demobilize and establish work area	**2a. SEE MOBILIZATION / DEMOBILIZATION JSA**	2a. See Mobilization / Demobilization JSA
3. Concrete saw cutting, jack hammer and hand clearance with hand tools, air knife	**3a. CONTACT:** Flying debris striking face or body	3a Maintain 10' minimum exclusion zone. Use the required PPE (i.e., leather/cut proof gloves, safety glasses/face shield). 3a. Use anti-whip devices on compressor hoses. 3a Wear a face shield to protect face from flying debris when using air knife. 3a. Utilize a traffic cone or physical barriers over the hole during air knife activities to keep flying debris close to ground.
	3b. EXPOSURE: Inhalation/exposure to hazardous vapors and/or concrete dust, noise exposure	3b. Monitor breathing zone with a calibrated PID and/or multi-gas meter. If meters sustain readings greater than recommeneded in the HASP for the specific contaminant of concerns (COCs) the Roux field personnel must temporarily cease work, instruct all Site personnel to step away from the area of elevated readings. Contact PM. 3b. Wet concrete while using saw to minimize dust and wear dust mask to prevent inhalation. 3b. Stand upwind and keep body behind saw. Observers and helpers should avoid line of fire for saw blade. Always cut away from body. 3b. No open flames/heat sources. 3b. Wear hearing protection when saw, jackhammer or air compressor are in operation. Otherwise, if sound levels exceed 85 dbA, put on hearing protection.
	3c. ENERGY SOURCE/CONTACT: Property damage; Pressurized water	

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift." Avoid general statements such as, "be careful."

	mains may cause lacerations or broken bones. Pressurized gas mains may explode causing serious injury, or death. Underground electric may cause severe burns, shock, or death.	3c. For air knifing, ensure extention/lance tip reaches the full 5 feet bgs. Air knife should be advanced **AT A MINIMUM** in all four corners of the expected boring location to find any possible arrangement of utilities. 3c. Ensure diameter of soil preclearance hole is at a **MINIMUM 2x** the diameter of any drilling or hard dig equipment that will be entering the hole. 3c. See Complete subsurface clearance protocol for information provided above.
	3d.ERGONOMICS/EXERTION: Muscle strain due to poor body positioning when handling equipment and materials	3d. Use body positioning and lifting techniques that minimizes muscle strain; keep back straight, lift with legs, keep load close to body, and never reach with a load. 3d. Ensure that loads are balanced to reduce the potential for muscle strain. 3d. Two people or a mechanical lifting aid are required when lifting objects over 50 lbs. or when the shape makes the object difficult to lift.
	3e. FALL: Tripping/falling due to uneven terrain, weather conditions, and materials/equipment stored at the Site	3e. Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. Mob/Demob JSA. 3e. Do not climb over stored materials/equipment; walk around. Practice good housekeeping. 3e. Use established pathways and walk on stable, secure ground. 3e. Equipment and tools will be stored at the lowest point of potential energy and out of the walkway and immediate work area (i.e. tools should not be propped against walls or nearby equipment or vehicles). 3e. Equipment and tools that are not anticipated to be used will be returned to a storage area that is out of the immediate work area. 3e. Ensure power cords and compressed air lines are grouped when used within the work area. 3e. Pre-cleared location will be finished flush to grade as to prevent a slip/trip hazard or coned and taped off.
	3f. CAUGHT: Amputation points associated with the equipment and vacuum hose	3f. Always wear leather gloves when making connections and using hand tools; wear cut-resistant (i.e., Kevlar) gloves when handling cutting tools. 3f. Inspect the equipment prior to use for potential pinch points. 3f. Test all emergency shutdown devices prior to using equipment. 3f. Inspect saw blade for worn surface or missing teeth; switch blade if damaged or blunt. 3f. Ensure all jewelry is removed, loose clothing is secured, and PPE is secured close to the body. 3f. All non-essential personnel shall maintain a 10 foot exclusion zone; position body out of the line-of-fire of equipment. 3f. Drillers and helpers will understand and use the “Show Me Your Hands Policy”.
4. Move drum to staging area using drum cart	**4a. EXPOSURE/CONTACT:** Contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, soil)	4a. Wear Nitrile chemical-resistant gloves under leather or cut proof gloves. 4a. Do not overfill drums. Ensure that the drum lids are attached securely. 4a. All drums will be staged in the designated storage area.
	4b. EXERTION: Muscle strain while maneuvering drums with drum cart/lift gate	4b. See 3d. Do not overfill drums. Use lift gate on back of truck to load and unload drums. Use drum dolly to move drum.
	4c. CAUGHT: Pinch points associated with handling drum lid	4c. Ensure that fingers are not placed under the lid of the drum. Wear leather gloves or cut proof gloves. Use appropriate ratchet while sealing drum lid.
5. Decontaminate equipment.	**5a. EXPOSURE/CONTACT**: To contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, vapors).	5a. Wear chemical-resistant disposable gloves and safety glasses. 5a. Contain decontamination water so that it does not spill. 5a. Use an absorbent pad to clean spills, if necessary. 5a. Spray equipment from side angle, not straight on, to avoid backsplash. 5a. See 3b.
	5b. EXPOSURE: To chemicals in cleaning solution.	5b. See 4a. Review SDS to ensure appropriate precautions are taken and understood.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

APPENDIX B

Daily Tailgate Form

HEALTH AND SAFETY BRIEFING / TAILGATE MEETING FORM

Site Name / Location _____

Date: _____ Weather Forecast: _____

Names of Personnel Attending Briefing

_____ _____ _____

_____ _____ _____

_____ _____ _____

Planned Work

_____

_____

_____

Instrument Calibration: Instrument/Time/Cal. Gas/Cal. Concentration/Actual Concentration

_____

_____

_____

Items Discussed

_____

_____

_____

_____

_____

Work Permit Type and Applicable Restrictions

_____

_____

_____

Signatures of Attending Personnel

_____ _____ _____

_____ _____ _____

_____ _____ _____

APPENDIX C

SDSs for Chemicals Used

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 12.08.2015 **Revision** : 12.10.2015

Trade Name: Alconox

1 Identification of the substance/mixture and of the supplier

1.1 Product identifier

Trade Name: Alconox
Synonyms:
Product number: Alconox

1.2 Application of the substance / the mixture : Cleaning material/Detergent

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer
Alconox, Inc.
30 Glenn Street
White Plains, NY 10603
1-914-948-4040

Supplier
Not Applicable

Emergency telephone number:
ChemTel Inc
North America: 1-800-255-3924
International: 01-813-248-0585

2 Hazards identification

2.1 Classification of the substance or mixture:

In compliance with EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments.

Hazard-determining components of labeling:
Tetrasodium Pyrophosphate
Sodium tripolyphosphate
Sodium Alkylbenzene Sulfonate

2.2 Label elements:

Skin irritation, category 2.
Eye irritation, category 2A.

Hazard pictograms:



Signal word: Warning

Hazard statements:
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with soap and water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents and container as instructed in Section 13.

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Trade Name: Alconox

Additional information: None.

Hazard description

Hazards Not Otherwise Classified (HNOC): None

Information concerning particular hazards for humans and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

3 Composition/information on ingredients

3.1 Chemical characterization : None

3.2 Description : None

3.3 Hazardous components (percentages by weight)

Identification	Chemical Name	Classification	Wt. %
CAS number: 7758-29-4	Sodium tripolyphosphate	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	12-28
CAS number: 68081-81-2	Sodium Alkylbenzene Sulfonate	Acute Tox. 4; H303 Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	8-22
CAS number: 7722-88-5	Tetrasodium Pyrophosphate	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	2-16

3.4 Additional Information : None.

4 First aid measures

4.1 Description of first aid measures

General information: None.

After inhalation:

Maintain an unobstructed airway.

Loosen clothing as necessary and position individual in a comfortable position.

After skin contact:

Wash affected area with soap and water.

Seek medical attention if symptoms develop or persist.

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

Remove contact lens(es) if able to do so during rinsing.

Seek medical attention if irritation persists or if concerned.

After swallowing:

Rinse mouth thoroughly.

Seek medical attention if irritation, discomfort, or vomiting persists.

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4.2 Most important symptoms and effects, both acute and delayed

None

4.3 Indication of any immediate medical attention and special treatment needed:

No additional information.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

For safety reasons unsuitable extinguishing agents : None

5.2 Special hazards arising from the substance or mixture :

Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

Protective equipment:

Wear protective eye wear, gloves and clothing.
Refer to Section 8.

5.4 Additional information :

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols.
Avoid contact with skin, eyes and clothing.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures :

Ensure adequate ventilation.
Ensure air handling systems are operational.

6.2 Environmental precautions :

Should not be released into the environment.
Prevent from reaching drains, sewer or waterway.

6.3 Methods and material for containment and cleaning up :

Wear protective eye wear, gloves and clothing.

6.4 Reference to other sections : None

7 Handling and storage

7.1 Precautions for safe handling :

Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.

7.2 Conditions for safe storage, including any incompatibilities :

Store in a cool, well-ventilated area.

7.3 Specific end use(s):

No additional information.

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8 Exposure controls/personal protection





8.1 Control parameters :

7722-88-5, Tetrasodium Pyrophosphate, OSHA TWA 5 mg/m3.

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Respiratory protection:

Not needed under normal conditions.

Protection of skin:

Select glove material impermeable and resistant to the substance.

Eye protection:

Safety goggles or glasses, or appropriate eye protection.

General hygienic measures:

Wash hands before breaks and at the end of work.
Avoid contact with skin, eyes and clothing.

9 Physical and chemical properties

Appearance (physical state, color):	White and cream colored flakes - powder	**Explosion limit lower**: **Explosion limit upper**:	Not determined or not available. Not determined or not available.
Odor:	Not determined or not available.	**Vapor pressure at 20°C**:	Not determined or not available.
Odor threshold:	Not determined or not available.	**Vapor density**:	Not determined or not available.
pH-value:	9.5 (aqueous solution)	**Relative density**:	Not determined or not available.
Melting/Freezing point:	Not determined or not available.	**Solubilities**:	Not determined or not available.
Boiling point/Boiling range:	Not determined or not available.	**Partition coefficient (n-octanol/water)**:	Not determined or not available.
Flash point (closed cup):	Not determined or not available.	**Auto/Self-ignition temperature**:	Not determined or not available.
Evaporation rate:	Not determined or not available.	**Decomposition temperature**:	Not determined or not available.

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Flammability (solid, gaseous):	Not determined or not available.	**Viscosity**:	a. Kinematic: Not determined or not available. b. Dynamic: Not determined or not available.
Density at 20°C:	Not determined or not available.		

10 Stability and reactivity

10.1 Reactivity : None

10.2 Chemical stability : None

10.3 Possibility hazardous reactions : None

10.4 Conditions to avoid : None

10.5 Incompatible materials : None

10.6 Hazardous decomposition products : None

11 Toxicological information

11.1 Information on toxicological effects :

Acute Toxicity:

Oral:

: LD50 > 5000 mg/kg oral rat - Product .

Chronic Toxicity: No additional information.

Skin corrosion/irritation:

Sodium Alkylbenzene Sulfonate: Causes skin irritation. .

Serious eye damage/irritation:

Sodium Alkylbenzene Sulfonate: Causes serious eye irritation .

Tetrasodium Pyrophosphate: Rabbit - Risk of serious damage to eyes .

Respiratory or skin sensitization: No additional information.

Carcinogenicity: No additional information.

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

NTP (National Toxicology Program): None of the ingredients are listed.

Germ cell mutagenicity: No additional information.

Reproductive toxicity: No additional information.

STOT-single and repeated exposure: No additional information.

Additional toxicological information: No additional information.

12 Ecological information

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12.1 Toxicity:

Sodium Alkylbenzene Sulfonate: Fish, LC50 1.67 mg/l, 96 hours.
Sodium Alkylbenzene Sulfonate: Aquatic invertebrates, EC50 Daphnia 2.4 mg/l, 48 hours.
Sodium Alkylbenzene Sulfonate: Aquatic Plants, EC50 Algae 29 mg/l, 96 hours.
Tetrasodium Pyrophosphate: Fish, LC50 - other fish - 1,380 mg/l - 96 h.
Tetrasodium Pyrophosphate: Aquatic invertebrates, EC50 - Daphnia magna (Water flea) - 391 mg/l - 48 h.

12.2 Persistence and degradability: No additional information.

12.3 Bioaccumulative potential: No additional information.

12.4 Mobility in soil: No additional information.

General notes: No additional information.

12.5 Results of PBT and vPvB assessment:

PBT: No additional information.

vPvB: No additional information.

12.6 Other adverse effects: No additional information.

13 Disposal considerations

13.1 Waste treatment methods (consult local, regional and national authorities for proper disposal)

Relevant Information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. (US 40CFR262.11).

14 Transport information

14.1 UN Number: None
ADR, ADN, DOT, IMDG, IATA

14.2 UN Proper shipping name: None
ADR, ADN, DOT, IMDG, IATA

14.3 Transport hazard classes:
ADR, ADN, DOT, IMDG, IATA

Class: None
Label: None
LTD. QTY: None

US DOT
Limited Quantity Exception: None

Bulk:
RQ (if applicable): None
Proper shipping Name: None
Hazard Class: None
Packing Group: None
Marine Pollutant (if applicable): No additional information.

Non Bulk:
RQ (if applicable): None
Proper shipping Name: None
Hazard Class: None
Packing Group: None
Marine Pollutant (if applicable): No additional information.

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Comments: None	**Comments:** None
14.4 Packing group: ADR, ADN, DOT, IMDG, IATA	None
14.5 Environmental hazards :	None
14.6 Special precautions for user:	None
Danger code (Kemler):	None
EMS number:	None
Segregation groups:	None

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

14.8 Transport/Additional information:

Transport category:	None
Tunnel restriction code:	None
UN "Model Regulation":	None

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

North American

SARA

Section 313 (specific toxic chemical listings): None of the ingredients are listed.
Section 302 (extremely hazardous substances): None of the ingredients are listed.

CERCLA (Comprehensive Environmental Response, Clean up and Liability Act) Reportable

Spill Quantity: None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

Inventory: All ingredients are listed.
Rules and Orders: Not applicable.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Canadian

Canadian Domestic Substances List (DSL):
All ingredients are listed.

EU

REACH Article 57 (SVHC): None of the ingredients are listed.

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Germany MAK: Not classified.

Asia Pacific

Australia

Australian Inventory of Chemical Substances (AICS): All ingredients are listed.

China

Inventory of Existing Chemical Substances in China (IECSC): All ingredients are listed.

Japan

Inventory of Existing and New Chemical Substances (ENCS): All ingredients are listed.

Korea

Existing Chemicals List (ECL): All ingredients are listed.

New Zealand

New Zealand Inventory of Chemicals (NZOIC): All ingredients are listed.

Philippines

Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients are listed.

Taiwan

Taiwan Chemical Substance Inventory (TSCI): All ingredients are listed.

16 Other information

Abbreviations and Acronyms: None

Summary of Phrases

Hazard statements:

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements:

P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with soap and water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents and container as instructed in Section 13.

Manufacturer Statement:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NFPA: 1-0-0

Safety Data Sheet

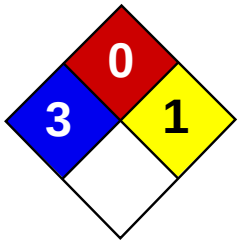
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Trade Name: Alconox

HMIS: 1-0-0







Material Safety Data Sheet
Hydrochloric acid MSDS

Section 1: Chemical Product and Company Identification

Product Name: Hydrochloric acid

Catalog Codes: SLH1462, SLH3154

CAS#: Mixture.

RTECS: MW4025000

TSCA: TSCA 8(b) inventory: Hydrochloric acid

CI#: Not applicable.

Synonym: Hydrochloric Acid; Muriatic Acid

Chemical Name: Not applicable.

Chemical Formula: Not applicable.

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Hydrogen chloride	7647-01-0	20-38
Water	7732-18-5	62-80

Toxicological Data on Ingredients: Hydrogen chloride: GAS (LC50): Acute: 4701 ppm 0.5 hours [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (corrosive, irritant, permeator), of eye contact (irritant, corrosive), of ingestion, . Slightly hazardous in case of inhalation (lung sensitizer). Non-corrosive for lungs. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (sensitizer). CARCINOGENIC EFFECTS: Classified 3 (Not classifiable for human.) by IARC [Hydrochloric acid]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, liver, mucous membranes, upper respiratory tract, skin, eyes, Circulatory System, teeth. Repeated or prolonged exposure to the substance can produce target

organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

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

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: of metals

Explosion Hazards in Presence of Various Substances: Non-explosive in presence of open flames and sparks, of shocks.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards:
Non combustible. Calcium carbide reacts with hydrogen chloride gas with incandescence. Uranium phosphide reacts with hydrochloric acid to release spontaneously flammable phosphine. Rubidium acetylene carbides burns with slightly warm hydrochloric acid. Lithium silicide in contact with hydrogen chloride becomes incandescent. When dilute hydrochloric acid is used, gas spontaneously flammable in air is evolved. Magnesium boride treated with concentrated hydrochloric acid produces spontaneously flammble gas. Cesium acetylene carbide burns hydrogen chloride gas. Cesium carbide ignites in contact with hydrochloric acid unless acid is dilute. Reacts with most metals to produce flammable Hydrodgen gas.

Special Remarks on Explosion Hazards:

Hydrogen chloride in contact with the following can cause an explosion, ignition on contact, or other violent/vigorous reaction: Acetic anhydride AgClO + CCl4 Alcohols + hydrogen cyanide, Aluminum Aluminum-titanium alloys (with HCl vapor), 2-Amino ethanol, Ammonium hydroxide, Calcium carbide Ca3P2 Chlorine + dinitroanilines (evolves gas), Chlorosulfonic acid Cesium carbide Cesium acetylene carbide, 1,1-Difluoroethylene Ethylene diamine Ethylene imine, Fluorine, HClO4 Hexalithium disilicide H2SO4 Metal acetylides or carbides, Magnesium boride, Mercuric sulfate, Oleum, Potassium permanganate, beta-Propiolactone Propylene oxide Rubidium carbide, Rubidium, acetylene carbide Sodium (with aqueous HCl), Sodium hydroxide Sodium tetraselenium, Sulfonic acid, Tetraselenium tetranitride, U3P4 , Vinyl acetate. Silver perchlorate with carbon tetrachloride in the presence of hydrochloric acid produces trichloromethyl perchlorate which detonates at 40 deg. C.

Section 6: Accidental Release Measures

Small Spill:
Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of sodium carbonate.

Large Spill:
Corrosive liquid. Poisonous liquid. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of sodium carbonate. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep container dry. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, organic materials, metals, alkalis, moisture. May corrode metallic surfaces. Store in a metallic or coated fiberboard drum using a strong polyethylene inner package.

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

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
CEIL: 5 (ppm) from OSHA (PEL) [United States] CEIL: 7 (mg/m3) from OSHA (PEL) [United States] CEIL: 5 from NIOSH CEIL: 7 (mg/m3) from NIOSH TWA: 1 STEL: 5 (ppm) [United Kingdom (UK)] TWA: 2 STEL: 8 (mg/m3) [United Kingdom (UK)]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Pungent. Irritating (Strong.)

Taste: Not available.

Molecular Weight: Not applicable.

Color: Colorless to light yellow.

pH (1% soln/water): Acidic.

Boiling Point:
108.58 C @ 760 mm Hg (for 20.22% HCl in water) 83 C @ 760 mm Hg (for 31% HCl in water) 50.5 C (for 37% HCl in water)

Melting Point:
-62.25°C (-80°F) (20.69% HCl in water) -46.2 C (31.24% HCl in water) -25.4 C (39.17% HCl in water)

Critical Temperature: Not available.

Specific Gravity:
1.1- 1.19 (Water = 1) 1.10 (20%and 22% HCl solutions) 1.12 (24% HCl solution) 1.15 (29.57% HCl solution) 1.16 (32% HCl solution) 1.19 (37% and 38%HCl solutions)

Vapor Pressure: 16 kPa (@ 20°C) average

Vapor Density: 1.267 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.25 to 10 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether.

Solubility: Soluble in cold water, hot water, diethyl ether.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, water

Incompatibility with various substances:
Highly reactive with metals. Reactive with oxidizing agents, organic materials, alkalis, water.

Corrosivity:
Extremely corrosive in presence of aluminum, of copper, of stainless steel(304), of stainless steel(316). Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Reacts with water especially when water is added to the product. Absorption of gaseous hydrogen chloride on mercuric sulfate becomes violent @ 125 deg. C. Sodium reacts very violently with gaseous hydrogen chloride. Calcium phosphide and hydrochloric acid undergo very energetic reaction. It reacts with oxidizers releasing chlorine gas. Incompatible with, alkali metals, carbides, borides, metal oxides, vinyl acetate, acetylides, sulphides, phosphides, cyanides, carbonates. Reacts with most metals to produce flammable Hydrogen gas. Reacts violently (moderate reaction with heat of evolution) with water especially when water is added to the product. Isolate hydrogen chloride from heat, direct sunlight, alkalies (reacts vigorously), organic materials, and oxidizers (especially nitric acid and chlorates), amines, metals, copper and alloys (e.g. brass), hydroxides, zinc (galvanized materials), lithium silicide (incandescence), sulfuric acid(increase in temperature and pressure) Hydrogen chloride gas is emitted when this product is in contact with sulfuric acid. Adsorption of Hydrochloric Acid onto silicon dioxide results in exothmeric reaction. Hydrogen chloride causes aldehydes and epoxides to violently polymerize. Hydrogen chloride or Hydrochloric Acid in contact with the folloiwng can cause explosion or ignition on contact or

Special Remarks on Corrosivity:

Highly corrosive. Incompatible with copper and copper alloys. It attacks nearly all metals (mercury, gold, platinium, tantalum, silver, and certain alloys are exceptions). It is one of the most corrosive of the nonoxidizing acids in contact with copper alloys. No corrosivity data on zinc, steel. Severe Corrosive effect on brass and bronze

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
Acute oral toxicity (LD50): 900 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 1108 ppm, 1 hours [Mouse]. Acute toxicity of the vapor (LC50): 3124 ppm, 1 hours [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 3 (Not classifiable for human.) by IARC [Hydrochloric acid]. May cause damage to the following organs: kidneys, liver, mucous membranes, upper respiratory tract, skin, eyes, Circulatory System, teeth.

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (corrosive, irritant, permeator), of ingestion, . Hazardous in case of eye contact (corrosive), of inhalation (lung corrosive).

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Doses (LDL/LCL) LDL [Man] -Route: Oral; 2857 ug/kg LCL [Human] - Route: Inhalation; Dose: 1300 ppm/30M LCL [Rabbit] - Route: Inhalation; Dose: 4413 ppm/30M

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects (fetoxicity). May affect genetic material.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Corrosive. Causes severe skin irritation and burns. Eyes: Corrosive. Causes severe eye irritation/conjuntivitis, burns, corneal necrosis. Inhalation: May be fatal if inhaled. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract. Inhalation of hydrochloric acid fumes produces nose, throat, and larryngeal burning, and irritation, pain and inflammation, coughing, sneezing, choking sensation, hoarseness, laryngeal spasms, upper respiratory tract edema, chest pains, as well has headache, and palpitations. Inhalation of high concentrations can result in corrosive burns, necrosis of bronchial epithelium, constriction of the larynx and bronchi, nasospetal perforation, glottal closure, occur, particularly if exposure is prolonged. May affect the liver. Ingestion: May be fatal if swallowed. Causes irritation and burning, ulceration, or perforation of the gastrointestinal tract and resultant peritonitis, gastric hemorrhage and infection. Can also cause nausea, vomitting (with "coffee ground" emesis), diarrhea, thirst, difficulty swallowing, salivation, chills, fever, uneasiness, shock, strictures and stenosis (esophogeal, gastric, pyloric). May affect behavior (excitement), the cardiovascular system (weak rapid pulse, tachycardia), respiration (shallow respiration), and urinary system (kidneys- renal failure, nephritis). Acute exposure via inhalation or ingestion can also cause erosion of tooth enamel. Chronic Potential Health Effects: dyspnea, bronchitis. Chemical pneumonitis and pulmonary edema can also

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

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

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

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

Section 14: Transport Information

DOT Classification: Class 8: Corrosive material

Identification: : Hydrochloric acid, solution UNNA: 1789 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Hydrochloric acid Illinois toxic substances disclosure to employee act: Hydrochloric acid Illinois chemical safety act: Hydrochloric acid New York release reporting list: Hydrochloric acid Rhode Island RTK hazardous substances: Hydrochloric acid Pennsylvania RTK: Hydrochloric acid Minnesota: Hydrochloric acid Massachusetts RTK: Hydrochloric acid Massachusetts spill list: Hydrochloric acid New Jersey: Hydrochloric acid New Jersey spill list: Hydrochloric acid Louisiana RTK reporting list: Hydrochloric acid Louisiana spill reporting: Hydrochloric acid California Director's List of Hazardous Substances: Hydrochloric acid TSCA 8(b) inventory: Hydrochloric acid TSCA 4(a) proposed test rules: Hydrochloric acid SARA 302/304/311/312 extremely hazardous substances: Hydrochloric acid SARA 313 toxic chemical notification and release reporting: Hydrochloric acid CERCLA: Hazardous substances.: Hydrochloric acid: 5000 lbs. (2268 kg)

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

Other Classifications:

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

DSCL (EEC):
R34- Causes burns. R37- Irritating to respiratory system. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 0

Reactivity: 1

Personal Protection:

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

Health: 3

Flammability: 0

Reactivity: 1

Specific hazard:

Protective Equipment:
Gloves. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Face shield.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

Other Special Considerations: Not available.

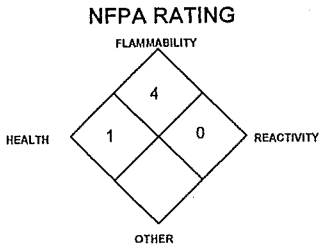
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Last Updated: 05/21/2013 12:00 PM

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MATERIAL SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI and Canadian WHMIS Standards



PART I *What is the material and what do I need to know in an emergency?*

1. PRODUCT IDENTIFICATION

CHEMICAL NAME; CLASS: **ISOBUTYLENE - C_4H_8**
Document Number: Isobutylene

PRODUCT USE: For general analytical/synthetic chemical uses.

SUPPLIER/MANUFACTURER'S NAME: MESA Specialty Gases & Equipment
ADDRESS: 3619 Pendleton Avenue, Suite C
Santa Ana, CA 92704

BUSINESS PHONE: 1-714-434-7102
EMERGENCY PHONE: INFOTRAC: 1-800-535-5053

DATE OF PREPARATION: May 10, 1999

2. COMPOSITION and INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	mole %	EXPOSURE LIMITS IN AIR					
			ACGIH		OSHA			
			TLV ppm	STEL ppm	PEL ppm	STEL ppm	IDLH ppm	OTHER
Isobutylene	115-11-7	> 99.0%	There are no specific exposure limits for Isobutylene. Isobutylene is a simple asphyxiant (SA). Oxygen levels should be maintained above 19.5%.					
Maximum Impurities		< 1.0%	None of the trace impurities in this mixture contribute significantly to the hazards associated with the product. All hazard information pertinent to this product has been provided in this Material Safety Data Sheet, per the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and State equivalent standards.					

NE = Not Established C = Ceiling Limit See Section 16 for Definitions of Terms Used

NOTE: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-1993 format.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Isobutylene is a colorless, liquefied, flammable gas with an unpleasant odor similar to burning coal. The liquefied gas rapidly turns into a gas at standard atmospheric temperatures and pressures. Isobutylene is an asphyxiant and presents a significant health hazard by displacing the oxygen in the atmosphere. Rapid evaporation of liquid from the cylinder may cause frostbite. Both the liquid and gas pose a serious fire hazard when accidentally released. The gas is heavier than air and may travel to a source of ignition and flash back to a leak or open container. Flame or high temperature impinging on a localized area of a cylinder of Isobutylene can cause the cylinder to rupture without activating the cylinder's relief devices. Provide adequate fire protection during emergency response situations.

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: The most significant route of overexposure for this gas is by inhalation. The following paragraphs describe symptoms of exposure by route of exposure.

INHALATION: High concentrations of this gas can cause an oxygen-deficient environment. Individuals breathing such an atmosphere may experience symptoms which include headaches, ringing in ears, dizziness, drowsiness, unconsciousness, nausea, vomiting, and depression of all the senses. Under some circumstances of overexposure, death may occur. Isobutylene also has some degree of anesthetic action and can be mildly irritating to the mucous membranes. The effects associated with various levels of oxygen are as follows:

CONCENTRATION	SYMPTOMS OF EXPOSURE
12-16% Oxygen:	Breathing and pulse rate increased, muscular coordination slightly disturbed.
10-14% Oxygen:	Emotional upset, abnormal fatigue, disturbed respiration.
6-10% Oxygen:	Nausea and vomiting, collapse or loss of consciousness.
Below 6%:	Convulsive movements, possible respiratory collapse, and death.

OTHER POTENTIAL HEALTH EFFECTS: Contact with liquid or rapidly expanding gases (which are released under high pressure) may cause frostbite. Symptoms of frostbite include change in skin color to white or grayish-yellow. The pain after such contact can quickly subside.

HAZARDOUS MATERIAL INFORMATION SYSTEM

HEALTH	(BLUE)	1
FLAMMABILITY	(RED)	4
REACTIVITY	(YELLOW)	0
PROTECTIVE EQUIPMENT		B

EYES	RESPIRATORY	HANDS	BODY
	See Section 8		See Section 8

For routine industrial applications

See Section 16 for Definition of Ratings

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in **Lay Terms**. Overexposure to Isobutylene may cause the following health effects:

ACUTE: The most significant hazard associated with this gas is inhalation of oxygen-deficient atmospheres. Symptoms of oxygen deficiency include respiratory difficulty, headache, dizziness, and nausea. At high concentrations, unconsciousness or death may occur. Contact with liquefied gas or rapidly expanding gases may cause frostbite.

CHRONIC: There are currently no known adverse health effects associated with chronic exposure to Isobutylene.

TARGET ORGANS: Respiratory system.

PART II *What should I do if a hazardous situation occurs?*

4. FIRST-AID MEASURES

RESCUERS SHOULD NOT ATTEMPT TO RETRIEVE VICTIMS OF EXPOSURE TO ISOBUTYLENE WITHOUT ADEQUATE PERSONAL PROTECTIVE EQUIPMENT. At a minimum, Self-Contained Breathing Apparatus and Fire-Retardant Personal Protective equipment should be worn. Adequate fire protection must be provided during rescue situations.

4. FIRST-AID MEASURES (Continued)

Remove victim(s) to fresh air as quickly as possible. Trained personnel should administer supplemental oxygen and/or cardio-pulmonary resuscitation, if necessary. Only trained personnel should administer supplemental oxygen.

In case of frostbite, place the frostbitten part in warm water. DO NOT USE HOT WATER. If warm water is not available, or is impractical to use, wrap the affected parts gently in blankets. Alternatively, if the fingers or hands are frostbitten, place the affected area in the armpit. Encourage victim to gently exercise the affected part while being warmed. Seek immediate medical attention.

Victim(s) must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to physician or other health professional with victim(s).

5. FIRE-FIGHTING MEASURES

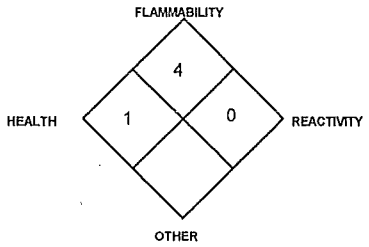
FLASH POINT (Closed Cup): -10°C (< 14°F)
AUTOIGNITION TEMPERATURE: 465°C (869°F)
FLAMMABLE LIMITS (in air by volume, %):

Lower (LEL): 1.8%
Upper (UEL): 9.6%

FIRE EXTINGUISHING MATERIALS: Extinguish Isobutylene fires by shutting off the source of the gas. Use water spray or a foam agent to cool fire-exposed containers, structures, and equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: When involved in a fire, this material may ignite and produce toxic gases, including carbon monoxide and carbon dioxide.

NFPA RATING



See Section 16 for Definition of Ratings

DANGER! Fires impinging (direct flame) on the outside surface of unprotected pressure storage vessels of Isobutylene can be very dangerous. Direct flame exposure on the cylinder wall can cause an explosion either by BLEVE (Boiling Liquid Expanding Vapor Explosion), or by exothermic decomposition. This is a catastrophic failure of the vessel releasing the contents into a massive fireball and explosion. The resulting fire and explosion can result in severe equipment damage and personnel injury or death over a large area around the vessel. For massive fires in large areas, use unmanned hose holder or monitor nozzles; if this is not possible, withdraw from area and allow fire to burn.

Explosion Sensitivity to Mechanical Impact: Not sensitive.
Explosion Sensitivity to Static Discharge: Static discharge may cause Isobutylene to ignite explosively if released.

SPECIAL FIRE-FIGHTING PROCEDURES: Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. The best fire-fighting technique may be simply to let the burning gas escape from the pressurized cylinder, tank car, or pipeline. Stop the leak before extinguishing fire. If the fire is extinguished before the leak is sealed, the leaking gas could explosively re-ignite without warning and cause extensive damage, injury, or fatality. In this case, increase ventilation (in enclosed areas) to prevent flammable or explosive mixture formation. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Because of the potential for a BLEVE, evacuation of non-emergency personnel is essential. If water is not available for cooling or protection of vessel exposures, evacuate the area. Refer to the North American Emergency Response Guidebook for additional information. Other information for pre-planning can be found in the American Petroleum Institute Publications 2510 and 2510A.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a release, clear the affected area, protect people, and respond with trained personnel. Adequate fire protection must be provided. Minimum Personal Protective Equipment should be **Level B: fire-retardant protective clothing, gloves resistant to tears, and Self-Contained Breathing Apparatus.**

Use only non-sparking tools and equipment. Locate and seal the source of the leaking gas. Protect personnel attempting the shut off with water spray. Allow the gas to dissipate. Monitor the surrounding area for combustible gas levels and oxygen. Combustible gas concentration must be below 10% of the LEL (LEL = 1.8%) prior to entry. The atmosphere must have at least 19.5 percent oxygen before personnel can be allowed in the area without Self-Contained Breathing Apparatus. Attempt to close the main source valve prior to entering the area. If this does not stop the release (or if it is not possible to reach the valve), allow the gas to release in place or remove it to a safe area and allow the gas to be released there.

THIS IS AN EXTREMELY FLAMMABLE GAS. Protection of all personnel and the area must be maintained.

PART III *How can I prevent hazardous situations from occurring?*

7. HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting Isobutylene IN YOU. Do not eat or drink while handling chemicals. Be aware of any signs of dizziness or fatigue; exposures to fatal concentrations of Isobutylene could occur without any significant warning symptoms.

STORAGE AND HANDLING PRACTICES: Cylinders should be stored in dry, well-ventilated areas away from sources of heat. Compressed gases can present significant safety hazards. Store containers away from heavily trafficked areas and emergency exits. Post "No Smoking or Open Flames" signs in storage or use areas.

SPECIAL PRECAUTIONS FOR HANDLING GAS CYLINDERS: Protect cylinders against physical damage. Store in cool, dry, well-ventilated area, away from sources of heat, ignition and direct sunlight. Do not allow area where cylinders are stored to exceed 52°C (125°F). Isolate from oxidizers such as oxygen, chlorine, or fluorine. Use a check valve or trap in the discharge line to prevent hazardous backflow. Post "No Smoking or Open Flame" signs in storage and use areas. Cylinders should be stored upright and be firmly secured to prevent falling or being knocked over. Cylinders can be stored in the open, but in such cases, should be protected against extremes of weather and from the dampness of the ground to prevent rusting. Never tamper with pressure relief devices in valves and cylinders. Electrical equipment should be non-sparking or explosion proof. The following rules are applicable to situations in which cylinders are being used:

Before Use: Move cylinders with a suitable hand truck. Do not drag, slide, or roll cylinders. Do not drop cylinders or permit them to strike each other. Secure cylinders firmly. Leave the valve protection cap, if provided, in place until cylinder is ready for use.

During Use: Use designated CGA fittings and other support equipment. Do not use adapters. Do not heat cylinder by any means to increase the discharge rate of the product from the cylinder. Use check valve or trap in discharge line to prevent hazardous backflow into the cylinder. Do not use oils or grease on gas-handling fittings or equipment.

After Use: Close main cylinder valve. Replace valve protection cap, if provided. Mark empty cylinders "EMPTY".

NOTE: Use only DOT or ASME code containers. Earth-ground and bond all lines and equipment associated with Isobutylene. Close valve after each use and when empty. Cylinders must not be recharged except by or with the consent of owner. For additional information refer to the Compressed Gas Association Pamphlet P-1, *Safe Handling of Compressed Gases in Containers*. Additionally, refer to CGA Bulletin SB-2 "*Oxygen Deficient Atmospheres*".

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely. Purge gas handling equipment with inert gas (e.g., nitrogen) before attempting repairs.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation. Local exhaust ventilation is preferred, because it prevents Isobutylene dispersion into the work place by eliminating it at its source. If appropriate, install automatic monitoring equipment to detect the presence of potentially explosive air-gas mixtures and level of oxygen.

RESPIRATORY PROTECTION: Maintain oxygen levels above 19.5% in the workplace. Maintain level of gas below the level listed in Section 2 (Composition and Information on Ingredients). Use supplied air respiratory protection if oxygen levels are below 19.5% or during emergency response to a release of Isobutylene. If respiratory protection is required, follow the requirements of the Federal OSHA Respiratory Protection Standard (29 CFR 1910.134) or equivalent State standards.

EYE PROTECTION: Splash goggles or safety glasses, for protection from rapidly expanding gases and splashes of liquid Isobutylene.

HAND PROTECTION: Wear gloves resistant to tears when handling cylinders of Isobutylene. Use low-temperature protective gloves (e.g., Kevlar) when working with containers of liquid Isobutylene.

BODY PROTECTION: Use body protection appropriate for task. Transfer of large quantities under pressure may require protective equipment appropriate to protect employees from splashes of liquefied product, as well as fire retardant items.

9. PHYSICAL and CHEMICAL PROPERTIES

VAPOR DENSITY @ 21.1°C (70°F): 2.396 kg/m^3 (0.1496 lb/ft^3)
SPECIFIC GRAVITY (air = 1): 1.997
SOLUBILITY IN WATER: Insoluble.
EVAPORATION RATE (nBuAc = 1): Not applicable.
ODOR THRESHOLD: Not established.
COEFFICIENT WATER/OIL DISTRIBUTION: Not applicable.
pH: Not applicable.
FREEZING POINT: -140°C (-220.6°F)
BOILING POINT @ 1 atm: -6.9°C (19.6°F)
EXPANSION RATIO: Not applicable
VAPOR PRESSURE (psia): 39
SPECIFIC VOLUME (ft^3/lb): 6.7

APPEARANCE AND COLOR: Colorless gas with the unpleasant odor of burning coal. The liquid is also colorless and has the same unpleasant odor of burning coal.

HOW TO DETECT THIS SUBSTANCE (warning properties): There are no distinct warning properties. In terms of leak detection, fittings and joints can be painted with a soap solution to detect leaks, which will be indicated by a bubble formation.

10. STABILITY and REACTIVITY

STABILITY: Stable.

DECOMPOSITION PRODUCTS: When ignited in the presence of oxygen, this gas will burn to produce carbon monoxide and carbon dioxide.

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong oxidizers (e.g., chlorine, bromine pentafluoride, oxygen, oxygen difluoride, and nitrogen trifluoride).

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Contact with incompatible materials and exposure to heat, sparks, and other sources of ignition. Cylinders exposed to high temperatures or direct flame can rupture or burst.

PART IV *Is there any other useful information about this material?*

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA: The following information is for pure Isobutylene.

ISOBUTYLENE:
LC_{50} (rat, inhalation) = 620 g/m^3/4 hours
LC_{50} (mouse, inhalation) = 415 g/m^3/2 hours

SUSPECTED CANCER AGENT: Isobutylene is not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, CAL/OSHA, and therefore is neither considered to be nor suspected to be a cancer-causing agent by these agencies.

IRRITANCY OF PRODUCT: Isobutylene may be mildly irritating to the mucous membranes. In addition, contact with rapidly expanding gases can cause frostbite to exposed tissue.

SENSITIZATION TO THE PRODUCT: Isobutylene is not known to cause sensitization in humans.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of Isobutylene on the human reproductive system.

Mutagenicity: No mutagenic effects have been described for Isobutylene.
Embryotoxicity: No embryotoxic effects have been described for Isobutylene.
Teratogenicity: No teratogenic effects have been described for Isobutylene.
Reproductive Toxicity: No reproductive toxicity effects have been described for Isobutylene.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (i.e., within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Acute or chronic respiratory conditions may be aggravated by overexposure to Isobutylene.

11. TOXICOLOGICAL INFORMATION (Continued)

RECOMMENDATIONS TO PHYSICIANS: Administer oxygen, if necessary. Treat symptoms and eliminate exposure.

BIOLOGICAL EXPOSURE INDICES (BEIs): Currently, Biological Exposure Indices (BEIs) are not applicable for Isobutylene.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL STABILITY: This gas will be dissipated rapidly in well-ventilated areas.

EFFECT OF MATERIAL ON PLANTS or ANIMALS: Any adverse effect on animals would be related to oxygen-deficient environments. No adverse effect is anticipated to occur to plant life, except for frost produced in the presence of rapidly expanding gases. See Section 11, Toxicological Information, for additional information on effects on animals.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No evidence is currently available on the effects of Isobutylene on aquatic life.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. Return cylinders with any residual product to MESA Specialty Gases & Equipment Do not dispose of locally.

14. TRANSPORTATION INFORMATION

THIS MATERIAL IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

For Isobutylene Gas:

PROPER SHIPPING NAME:	Isobutylene
HAZARD CLASS NUMBER and DESCRIPTION:	2.1 (Flammable Gas)
UN IDENTIFICATION NUMBER:	UN 1055
PACKING GROUP:	Not Applicable
DOT LABEL(S) REQUIRED:	Flammable Gas

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (1996): 115

Alternate Description:

PROPER SHIPPING NAME:	Petroleum gases, liquefied
HAZARD CLASS NUMBER and DESCRIPTION:	2.1 (Flammable Gas)
UN IDENTIFICATION NUMBER:	UN 1075
PACKING GROUP:	Not Applicable
DOT LABEL(S) REQUIRED:	Flammable Gas

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (1996): 115

MARINE POLLUTANT: Isobutylene is not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B).

TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: THIS MATERIAL IS CONSIDERED AS DANGEROUS GOODS. Use the above information for the preparation of Canadian Shipments.

15. REGULATORY INFORMATION

U.S. SARA REPORTING REQUIREMENTS: Isobutylene is not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA THRESHOLD PLANNING QUANTITY: Not applicable.

U.S. CERCLA REPORTABLE QUANTITY (RQ): Not applicable.

CANADIAN DSL/NDSL INVENTORY STATUS: Isobutylene is on the DSL Inventory.

U.S. TSCA INVENTORY STATUS: Isobutylene is listed on the TSCA Inventory.

15. REGULATORY INFORMATION (Continued)

OTHER U.S. FEDERAL REGULATIONS: Isobutylene is subject to the reporting requirements of Section 112(r) of the Clean Air Act. The Threshold Quantity for this gas is 10,000 lb. Depending on specific operations involving the use of Isobutylene, the regulations of the Process Safety Management of Highly Hazardous Chemicals may be applicable (29 CFR 1910.119). Under this regulation Isobutylene is not listed in Appendix A; however, any process that involves a flammable gas on-site, in one location, in quantities of 10,000 lb (4,553 kg) or greater is covered under this regulation unless it is used as a fuel.

U.S. STATE REGULATORY INFORMATION: Isobutylene is covered under specific State regulations, as denoted below:

Alaska - Designated Toxic and Hazardous Substances: Liquefied Petroleum Gas.
California - Permissible Exposure Limits for Chemical Contaminants: Liquefied Petroleum Gas.
Florida - Substance List: Isobutylene.
Illinois - Toxic Substance List: No.
Kansas - Section 302/313 List: No.
Massachusetts - Substance List: Isobutylene.
Michigan - Critical Materials Register: No.
Minnesota - List of Hazardous Substances: Liquefied Petroleum Gas.
Missouri - Employer Information/Toxic Substance List: No.
New Jersey - Right to Know Hazardous Substance List: Isobutylene.
North Dakota - List of Hazardous Chemicals, Reportable Quantities: No.
Pennsylvania - Hazardous Substance List: Isobutylene.
Rhode Island - Hazardous Substance List: Liquefied Petroleum Gas.
Texas - Hazardous Substance List: Liquefied Petroleum Gas.
West Virginia - Hazardous Substance List: Liquefied Petroleum Gas.
Wisconsin - Toxic and Hazardous Substances: Liquefied Petroleum Gas.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): Isobutylene is not on the California Proposition 65 lists.

LABELING:

DANGER:

FLAMMABLE LIQUID AND GAS UNDER PRESSURE.
CAN FORM EXPLOSIVE MIXTURES WITH AIR.
MAY CAUSE FROSTBITE.

Keep away from heat, flames, and sparks.
Store and use with adequate ventilation.
Cylinder temperature should not exceed 52°C (125°F).
Do not get liquid in eyes, on skin, or clothing.
Close valve after each use and when empty.
Use in accordance with the Material Safety Data Sheet.

FIRST AID:

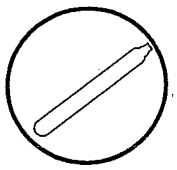
IF INHALED, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

IN CASE OF FROSTBITE, obtain immediate medical attention.

DO NOT REMOVE THIS PRODUCT LABEL.

CANADIAN WHMIS SYMBOLS:

Class A: Compressed Gas
Class B1: Flammable Gas





16. OTHER INFORMATION

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. MESA Specialty Gases & Equipment assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, MESA Specialty Gases & Equipment assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

DEFINITIONS OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these which are commonly used include the following:

CAS #: This is the Chemical Abstract Service Number which uniquely identifies each constituent. It is used for computer-related searching.

EXPOSURE LIMITS IN AIR:
ACGIH - American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits. **TLV** - Threshold Limit Value - an airborne concentration of a substance which represents conditions under which it is generally believed that nearly all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour Time Weighted Average **(TWA)**, the 15-minute Short Term Exposure Limit, and the instantaneous Ceiling Level **(C)**. Skin absorption effects must also be considered.
OSHA - U.S. Occupational Safety and Health Administration. **PEL** - Permissible Exposure Limit - This exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June, 1993 Air Contaminants Rule (Federal Register: 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase, "Vacated 1989 PEL," is placed next to the PEL which was vacated by Court Order.
IDLH - Immediately Dangerous to Life and Health - This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. **The DFG - MAK** is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. **NIOSH** is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration **(OSHA)**. NIOSH issues exposure guidelines called Recommended Exposure Levels **(RELs)**. When no exposure guidelines are established, an entry of **NE** is made for reference.

HAZARD RATINGS:
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: Health Hazard: **0** (minimal acute or chronic exposure hazard); **1** (slight acute or chronic exposure hazard); **2** (moderate acute or significant chronic exposure hazard); **3** (severe acute exposure hazard; onetime overexposure can result in permanent injury and may be fatal); **4** (extreme acute exposure hazard; onetime overexposure can be fatal). Flammability Hazard: **0** (minimal hazard); **1** (materials that require substantial pre-heating before burning); **2** (combustible liquid or solids; liquids with a flash point of 38-93°C [100-200°F]); **3** (Class IB and IC flammable liquids with flash points below 38°C [100°F]); **4** (Class IA flammable liquids with flash points below 23°C [73°F] and boiling points below 38°C [100°F]. Reactivity Hazard: **0** (normally stable); 1 (material that can become unstable at elevated temperatures or which can react slightly with water); **2** (materials that are unstable but do not detonate or which can react violently with water); **3** (materials that can detonate when initiated or which can react explosively with water); **4** (materials that can detonate at normal temperatures or pressures).
NATIONAL FIRE PROTECTION ASSOCIATION: Health Hazard: **0** (material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); **1** (materials that on exposure under fire conditions could cause irritation or minor residual injury); **2** (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); **3** (materials that can on short exposure could cause serious temporary or residual injury); **4** (materials that under very short exposure causes death or major residual injury).

NATIONAL FIRE PROTECTION ASSOCIATION (Continued): Flammability Hazard and Reactivity Hazard: Refer to definitions for "Hazardous Materials Identification System".

FLAMMABILITY LIMITS IN AIR:
Much of the information related to fire and explosion is derived from the National Fire Protection Association **(NFPA)**. Flash Point - Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. Autoignition Temperature: The minimum temperature required to initiate combustion in air with no other source of ignition. LEL - the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL - the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

TOXICOLOGICAL INFORMATION:
Possible health hazards as derived from human data, animal studies, or from the results of studies with similar compounds are presented. Definitions of some terms used in this section are: **LD_{50}** - Lethal Dose (solids & liquids) which kills 50% of the exposed animals; **LC_{50}** - Lethal Concentration (gases) which kills 50% of the exposed animals; **ppm** concentration expressed in parts of material per million parts of air or water; **mg/m^3** concentration expressed in weight of substance per volume of air; **mg/kg** quantity of material, by weight, administered to a test subject, based on their body weight in kg. Data from several sources are used to evaluate the cancer-causing potential of the material. The sources are: **IARC** - the International Agency for Research on Cancer; **NTP** - the National Toxicology Program, **RTECS** - the Registry of Toxic Effects of Chemical Substances, **OSHA** and **CAL/OSHA**. IARC and NTP rate chemicals on a scale of decreasing potential to cause human cancer with rankings from 1 to 4. Subrankings (2A, 2B, etc.) are also used. Other measures of toxicity include **TDLo**, the lowest dose to cause a symptom and **TCLo** the lowest concentration to cause a symptom; **TDo, LDLo**, and **LDo**, or **TC, TCo, LCLo**, and **LCo**, the lowest dose (or concentration) to cause lethal or toxic effects. **BEI** - Biological Exposure Indices, represent the levels of determinants which are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV. Ecological Information: EC is the effect concentration in water.

REGULATORY INFORMATION:
This section explains the impact of various laws and regulations on the material. **EPA** is the U.S. Environmental Protection Agency. **WHMIS** is the Canadian Workplace Hazardous Materials Information System. **DOT** and **TC** are the U.S. Department of Transportation and the Transport Canada, respectively. Superfund Amendments and Reauthorization Act **(SARA)**; the Canadian Domestic/Non-Domestic Substances List **(DSL/NDSL)**; the U.S. Toxic Substance Control Act **(TSCA)**; Marine Pollutant status according to the **DOT**; the Comprehensive Environmental Response, Compensation, and Liability Act **(CERCLA or Superfund)**; and various state regulations.

Manufactured for

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CORPORATION

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MATERIAL SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI and Canadian WHMIS Standards

1. PRODUCT IDENTIFICATION

CHEMICAL NAME; CLASS: NON-FLAMMABLE GAS MIXTURE

Containing One or More of the Following Components in a Nitrogen Balance Gas: Oxygen, 0.0015-23.5%; Propane, 0-1.1%; n-Pentane, 0-0.75%; n-Hexane; 0-0.48%; Carbon Monoxide, 0.0005-1.0%; Hydrogen Sulfide, 0.001-0.025%

NOTE: MIXTURES COMPRISED OF AN AIR BALANCE GAS CONTAIN BETWEEN 19.5-23.5% OXYGEN.

SYNONYMS: Not Applicable

CHEMICAL FAMILY NAME: Not Applicable

FORMULA: Not Applicable

Document Number: 50016 (Replaces ISC MSDS No.1810-2187, 1810-2343, 1810-3366, 1810-3937 1810-7219, 1810-7599, 1810-6179)

Note: The Material Safety Data Sheet is for this gas mixture supplied in cylinders with 33 cubic feet (935 liters) or less gas capacity (DOT - 39 cylinders). This MSDS has been developed for various gas mixtures with the composition of components within the ranges listed in Section 2 (Composition and Information on Ingredients). Refer to the product label for information on the actual composition of the product.

PRODUCT USE:	Calibration of Monitoring and Research Equipment
SUPPLIER/MANUFACTURER'S NAME:	CALGAZ
ADDRESS:	821 Chesapeake Drive Cambridge, MD 21613
EMERGENCY PHONE:	CHEMTREC: 1-800-424-9300
BUSINESS PHONE:	1-410-228-6400
General MSDS Information	1-713/868-0440
Fax on Demand:	1-800/231-1366

2. COMPOSITION and INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	mole %	EXPOSURE LIMITS IN AIR					
			ACGIHTLV		OSHA		IDLH	OTHER
			TWA ppm	STEL ppm	TWA ppm	STEL ppm	ppm	ppm
Oxygen	7782-44-7	0.0015 - 23.5%	There are no specific exposure limits for Oxygen. Oxygen levels should be maintained above 19.5%.					
Propane	74-98-6	0 - 1.1%	2500	NE	1000	NE	2100	NIOSH REL: 1000 DFG MAK: 1000 ppm
n-Pentane	109-66-0	0 - 0.75%	600	750	1000 600 (Vacated 1989 PEL)	750 (Vacated 1989 PEL)	1500	NIOSH REL: TWA = 120 STEL = 610 (ceiling) 15 minutes DFG MAKs: TWA =1000 PEAK = 2•MAK, 60 min., momentary value
n-Hexane	110-54-3	0 - 0.48%	50	NE	500 50 (Vacated 1989 PEL)	NE	1100	NIOSH REL: 50 DFG MAK: 50
Hydrogen Sulfide	7783-06-4	0.001-0.025 %	10 NIC = 5	15 NIC = 5	10 (Vacated 1989 PEL)	20 (ceiling), 50 (10 min. peak, once per shift) 15 (Vacated 1989 PEL)	100	NIOSH REL: STEL = 10 (ceiling), 10 minutes DFG MAKs: TWA = 10 PEAK = 2•MAK, 10 min., momentary value
Carbon Monoxide	630-08-0	0.0005 - 1.0%	25	NE	50 35 (Vacated 1989 PEL)	200 (ceiling) (Vacated 1989 PEL)	1200	NIOSH RELs: TWA = 35 STEL = 200 ceiling DFG MAKs: TWA = 30 PEAK = 2•MAK, 15 min., average value, 1 hr interval DFG MAK Pregnancy Risk Classification: B
Nitrogen	7727-37-9	Balance	There are no specific exposure limits for Nitrogen. Nitrogen is a simple asphyxiant (SA). Oxygen levels should be maintained above 19.5%.					

NE = Not Established. NIC = Notice of Intended Change See Section 16 for Definitions of Terms Used.

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-1998 format. This gas mixture has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This gas mixture is a colorless gas which has a rotten-egg odor (due to the presence of Hydrogen Sulfide). The odor cannot be relied on as an adequate warning of the presence of this gas mixture, because olfactory fatigue occurs after over-exposure to Hydrogen Sulfide. Hydrogen Sulfide and Carbon Monoxide (another component of this gas mixture) are toxic to humans in relatively low concentrations. Over-exposure to this gas mixture can cause skin or eye irritation, nausea, dizziness, headaches, collapse, unconsciousness, coma, and death. The Propane, n-Pentane, and n-Hexane components can cause anesthetic or peripheral neuropathy effects. Additionally, releases of this gas mixture may produce oxygen-deficient atmospheres (especially in small confined spaces or other poorly-ventilated environments); individuals in such atmospheres may be asphyxiated.

SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE: The most significant route of over-exposure for this gas mixture is by inhalation.

INHALATION: Due to the small size of an individual cylinder of this gas mixture, no unusual health effects from over-exposure to the product are anticipated under routine circumstances of use. A significant health hazard associated with this gas mixture is the potential of inhalation of Hydrogen Sulfide, a component of this gas mixture. Such over-exposures may occur if this gas mixture is used in a confined space or other poorly-ventilated area. Over-exposures to Hydrogen Sulfide can cause dizziness, headache, and nausea. Exposure to this component can result in respiratory arrest, coma, or unconsciousness. Continuous inhalation of low concentrations of Hydrogen Sulfide may cause olfactory fatigue, so that the odor is no longer an effective warning of the presence of this gas. A summary of exposure concentrations and observed effects are as follows

CONCENTRATION OF HYDROGEN SULFIDE	OBSERVED EFFECT
0.3-30 ppm	Odor is obvious and unpleasant.
50 ppm	Eye irritation. Dryness and irritation of nose, throat.
Slightly higher than 50 ppm	Irritation of the respiratory system.
100-150 ppm	Temporary loss of smell.
200-250 ppm	Headache, vomiting nausea. Prolonged exposure may lead to lung damage. Exposures of 4-8 hours can be fatal.
300-500	Swifter onset of symptoms. Death occurs in 1-4 hours.
500 ppm	Headache, excitement, staggering, and stomach ache after brief exposure. Death occurs within 0.5 - 1 hour of exposure.
> 600 ppm	Rapid onset of unconsciousness, coma, death.
> 1000 ppm	Immediate respiratory arrest.
NOTE:	This gas mixture contains a maximum of 250 ppm Hydrogen Sulfide. The higher concentration values here are presented to delineate the complete health effects which have been observed for humans after exposure to Hydrogen Sulfide.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD	(BLUE)	3
FLAMMABILITY HAZARD	(RED)	0
PHYSICAL HAZARD	(YELLOW)	0

PROTECTIVE EQUIPMENT

EYES	RESPIRATORY	HANDS	BODY
See Section 8			

For Routine Industrial Use and Handling Applications

Inhalation over-exposures to atmospheres containing more than the Threshold Limit Value of Carbon Monoxide (25 ppm), another component of this gas mixture, can result in serious health consequences. Carbon Monoxide is classified as a chemical asphyxiant, producing a toxic action by combining with the hemoglobin of the blood and replacing the available oxygen. Through this replacement, the body is deprived of the required oxygen, and asphyxiation occurs.

Since the affinity of Carbon Monoxide for hemoglobin is about 200-300 times that of oxygen, only a small amount of Carbon Monoxide will cause a toxic reaction to occur. Carbon Monoxide exposures in excess of 50 ppm will produce symptoms of poisoning if breathed for a sufficiently long time. If this gas mixture is released in a small, poorly ventilated area (i.e. an enclosed or confined space), symptoms which may develop include the following:

CONCENTRATION OF CARBON MONOXIDE	OBSERVED EFFECT
All exposure levels: ..	Over-exposure to Carbon Monoxide can be indicated by the lips and fingernails turning bright red.
200 ppm:	Slight symptoms (i.e. headache) after several hours of exposure.
400 ppm:	Headache and discomfort experienced within 2-3 hours of exposure.
1,000 -2000 ppm:	Within 30 minutes, slight palpitations of the heart occurs. Within 1.5 hours, there is a tendency to stagger.
200-2500 ppm:	Within 2 hours, there is mental confusion, headaches, and nausea. Unconsciousness within 30 minutes.
> 2500 ppm:	Potential for collapse and death before warning symptoms.

Another hazard associated with this gas mixture is the potential for anesthetic and peripheral neuropathy effects after inhalation over-exposures to the Propane, n-Pentane and n-Hexane components of this gas mixture. Specific human over-exposure data are available for n-Pentane and n-Hexane, as follows:

CONCENTRATION OF n-PENTANE	OBSERVED EFFECT
Brief (10 minute) up to 5,000 ppm:	No symptoms.
Higher than 5,000 ppm:	Exhilaration, dizziness and headache can occur.
Long term:	Can cause chronic neurological disorder causing damage to the nerves in the hands and feet (peripheral neuropathy)

CONCENTRATION OF n-HEXANE	OBSERVED EFFECT
Brief (10 minute) at 1,500 ppm:	Irritation of the respiratory tract, nausea and headache.
5000 ppm:	Dizziness and drowsiness can occur.
Long term at 500 ppm:	Can affect the nerves in the arms and legs. Effects include numbing or tingling sensations in the fingers and toes, tiredness, muscle weakness, cramps and spasms in the leg, difficulty in holding objects or walking, abdominal pains, loss of appetite, weight loss. More serious exposures can cause damage to the nerves in the hands and feet (peripheral neuropathy).
Eyes and Vision:	Abnormal color perception and pigment changes in the eyes have been reported among industrial workers exposed to 423-1280 ppm for 5 years or more.
Blood Cells:	Mild forms of anemia have also been associated with exposure to hexane. These are of temporary nature.

Additionally, if mixtures of this gas mixture contain less than 19.5% Oxygen and are released in a small, poorly ventilated area (i.e. an enclosed or confined space), an oxygen-deficient environment may occur. Individuals breathing such an atmosphere may experience symptoms which include headaches, ringing in ears, dizziness, drowsiness, unconsciousness, nausea, vomiting, and depression of all the senses. Under some circumstances of over-exposure, death may occur. The following effects associated with various levels of oxygen are as follows:

CONCENTRATION OF OXYGEN	OBSERVED EFFECT
12-16% Oxygen:	Breathing and pulse rate increased, muscular coordination slightly disturbed.
10-14% Oxygen:	Emotional upset, abnormal fatigue, disturbed respiration.
6-10% Oxygen:	Nausea, vomiting, collapse, or loss of consciousness.
Below 6%:	Convulsive movements, possible respiratory collapse, and death.

SKIN and EYE CONTACT: The Hydrogen Sulfide component of this gas mixture may be irritating to the skin. Inflammation and irritation of the eyes can occur at very low airborne concentration of Hydrogen Sulfide (less than 10 ppm). Exposure over several hours may result in “gas eyes” or “sore eyes” with symptoms of scratchiness, irritation, tearing and burning. Above 50 ppm of Hydrogen Sulfide, there is an intense tearing, blurring of vision, and pain when looking at light. Over-exposed individuals may see rings around bright lights. Most symptoms disappear when exposure ceases. However, in serious cases, the eye can be permanently damaged.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms. Over-exposure to this gas mixture may cause the following health effects:

ACUTE: Due to the small size of the individual cylinder of this gas mixture, no unusual health effects from exposure to the product are anticipated under routine circumstances of use. However, the Hydrogen Sulfide and Carbon Monoxide components of this gas mixture are toxic to humans. Over-exposure to this gas mixture can cause nausea, dizziness, headaches, collapse, unconsciousness, coma, and death. Due to the presence of Hydrogen Sulfide, over-exposures to this gas mixture can also irritate the skin and eyes; severe eye contamination can result in blindness.

Inhalation over-exposures to Propane, n-Pentane, and n-Hexane can cause anesthetic effects and motor neuropathy (i.e. pain and tingling in feet and hands).

3. HAZARD IDENTIFICATION (Continued)

CHRONIC: Abnormal color perception and pigment changes in the eyes have been reported among persons exposed to 420 -1300 ppm of n-Hexane for five years. Additionally, long-term exposure to low levels of n-Hexane or n-Pentane can affect the nerves in the arms and legs. Effects include numbing or tingling sensation, tiredness, cramps, spasms in legs, difficulty holding objects or walking, loss of appetite and weight loss. Pentane isomers, such as n-Pentane, and Propane can cause sensitization of the heart to epinephrine. Refer to Section 11 (Toxicology Information) for additional information on the components of this gas mixture.

TARGET ORGANS: ACUTE: Respiratory system, blood system, central nervous system, cardiovascular system. CHRONIC: Reproductive system, cardiovascular system.

4. FIRST-AID MEASURES

RESCUERS SHOULD NOT ATTEMPT TO RETRIEVE VICTIMS OF EXPOSURE TO THIS GAS MIXTURE WITHOUT ADEQUATE PERSONAL PROTECTIVE EQUIPMENT. At a minimum, Self-Contained Breathing Apparatus must be worn.

No unusual health effects are anticipated after exposure to this gas mixture, due to the small cylinder size. If any adverse symptom develops after over-exposure to this gas mixture, remove victim(s) to fresh air as quickly as possible. Only trained personnel should administer supplemental oxygen and/or cardio-pulmonary resuscitation if necessary.

Victim(s) who experience any adverse effect after over-exposure to this gas mixture must be taken for medical attention. Rescuers should be taken for medical attention if necessary. Take a copy of the label and the MSDS to physician or other health professional with victim(s).

SKIN EXPOSURE: If irritation of the skin develops after exposure to this gas mixture, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Victim must seek immediate medical attention.

EYE EXPOSURE: If irritation of the eye develops after exposure to this gas mixture, open victim's eyes while under gentle running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. Seek medical assistance immediately, preferably an ophthalmologist.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing respiratory conditions may be aggravated by over-exposure to this gas mixture. Carbon Monoxide, a component of this gas mixture, can aggravate some diseases of the cardiovascular system, such as coronary artery disease and angina pectoris. Because of the presence of Hydrogen Sulfide, n-Hexane or n-Pentane in this gas mixture, central nervous system conditions, eye disorders, or skin problems may be aggravated by over-exposure to this gas mixture.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate over-exposure. Hyperbaric oxygen is the most efficient antidote to Carbon Monoxide poisoning, the optimum range being 2-2.5 atm. A special mask, or, preferably, a compression chamber to utilize oxygen at these pressures is required. Avoid administering stimulant drugs. Be observant for initial signs of pulmonary edema in the event of severe inhalation over-exposures.

5. FIRE-FIGHTING MEASURES

FLASH POINT: Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

FLAMMABLE LIMITS (in air by volume, %):

Lower (LEL): Not applicable.

Upper (UEL): Not applicable.

FIRE EXTINGUISHING MATERIALS: Non-flammable gas mixture. Use extinguishing media appropriate for surrounding fire.

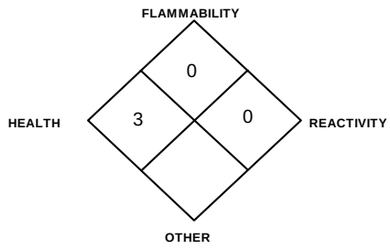
UNUSUAL FIRE AND EXPLOSION HAZARDS: This gas mixture contains toxic gases, Hydrogen Sulfide and Carbon Monoxide, and presents an extreme health hazard to firefighters. This gas mixture is not flammable; however, containers, when involved in fire, may rupture or burst in the heat of the fire.

Explosion Sensitivity to Mechanical Impact: Not Sensitive.

Explosion Sensitivity to Static Discharge: Not Sensitive.

SPECIAL FIRE-FIGHTING PROCEDURES: Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment.

NFPA RATING



6. ACCIDENTAL RELEASE MEASURES

LEAK RESPONSE: Due to the small size and content of the cylinder, an accidental release of this gas mixture presents significantly less risk of over-exposure to Hydrogen Sulfide and Carbon Monoxide, the toxic components of this gas mixture, and other safety hazards related to the remaining components of this gas mixture, than a similar release from a larger cylinder. However, as with any chemical release, extreme caution must be used during emergency response procedures. In the event of a release in which the atmosphere is unknown, and in which other chemicals are potentially involved, evacuate immediate area. Such releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a leak, clear the affected area, protect people, and respond with trained personnel.

For emergency disposal, secure the cylinder and slowly discharge the gas to the atmosphere in a well-ventilated area or outdoors. Allow the gas mixture to dissipate. If necessary, monitor the surrounding area (and the original area of the release) for Hydrogen Sulfide, Carbon Monoxide, and Oxygen. Hydrogen Sulfide and Carbon Monoxide level must be below exposure level listed in Section 2 (Composition and Information on Ingredients) and Oxygen levels must be above 19.5% before non-emergency personnel are allowed to re-enter area.

If leaking incidentally from the cylinder, contact your supplier.

7. HANDLING and USE

WORK PRACTICES AND HYGIENE PRACTICES: Be aware of any signs of dizziness or fatigue; exposures to fatal concentrations of this gas mixture could occur without any significant warning symptoms, due to olfactory fatigue or oxygen deficiency. Do not attempt to repair, adjust, or in any other way modify cylinders containing a gas mixture with Hydrogen Sulfide or Carbon Monoxide. If there is a malfunction or another type of operational problem, contact nearest distributor immediately. Eye wash stations/safety showers should be near areas where this gas mixture is used or stored. All work operations should be monitored in such a way that emergency personnel can be immediately contacted in the event of a release. All work practices should minimize releases of Hydrogen Sulfide and Carbon Monoxide-containing gas mixtures.

STORAGE AND HANDLING PRACTICES: Cylinders should be firmly secured to prevent falling or being knocked-over. Cylinders must be protected from the environment, and preferably kept at room temperature (approximately 21°C, 70°F). Cylinders should be stored in dry, well-ventilated areas, away from sources of heat, ignition, and direct sunlight. Protect cylinders against physical damage.

Full and empty cylinders should be segregated. Use a first-in, first-out inventory system to prevent full containers from being stored for long periods of time. These cylinders are not refillable. **WARNING! Do not refill DOT 39 cylinders. To do so may cause personal injury or property damage.**

SPECIAL PRECAUTIONS FOR HANDLING GAS CYLINDERS: WARNING! Compressed gases can present significant safety hazards. During cylinder use, use equipment designed for these specific cylinders. Ensure all lines and equipment are rated for proper service pressure.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely. Always use product in areas where adequate ventilation is provided.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: No special ventilation systems or engineering controls are needed under normal circumstances of use. As with all chemicals, use this gas mixture in well-ventilated areas. If this gas mixture is used in a poorly-ventilated area, install automatic monitoring equipment to detect the levels of Oxygen, Hydrogen Sulfide, and Carbon Monoxide.

RESPIRATORY PROTECTION: No special respiratory protection is required under normal circumstances of use. Use supplied air respiratory protection if Carbon Monoxide levels exceed the exposure levels given in Section 2 (Composition and Information on Ingredients) or if oxygen levels are below 19.5%, or if either level is unknown during emergency response to a release of this gas mixture. If respiratory protection is required for emergency response to this gas mixture, follow the requirements of the Federal OSHA Respiratory Protection Standard (29 CFR 1910.134) or equivalent State standards. The following NIOSH respiratory protection recommendations for Hydrogen Sulfide and Carbon Monoxide are provided for further information.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION (Continued)

NIOSH/OSHA RECOMMENDATIONS FOR HYDROGEN SULFIDE CONCENTRATIONS IN AIR:

Up to 100 ppm: Powered air-purifying respirator with cartridge(s) to protect against hydrogen sulfide; or gas mask with canister to protect against hydrogen sulfide; or SAR; or full-facepiece SCBA.

Emergency or Planned Entry into Unknown Concentration or IDLH Conditions: Positive pressure, full-facepiece SCBA; or positive pressure, full-facepiece SAR with an auxiliary positive pressure SCBA.

Escape: Gas mask with canister to protect against hydrogen sulfide; or escape-type SCBA

NOTE: The IDLH concentration for Hydrogen Sulfide is 100 ppm.

NIOSH/OSHA RECOMMENDATIONS FOR CARBON MONOXIDE CONCENTRATIONS IN AIR:

Up to 350 ppm Supplied Air Respirator (SAR)

Up to 875 ppm Supplied Air Respirator (SAR) operated in a continuous flow mode.

Up to 1200 ppm Gas mask with canister to protect against carbon monoxide; or full-facepiece SCBA; or full-facepiece Supplied Air Respirator (SAR).

Emergency or Planned Entry into Unknown Concentration or IDLH Conditions: Positive pressure, full-facepiece SCBA; or positive pressure, full-facepiece Supplied Air Respirator (SAR) with an auxiliary positive pressure SCBA.

Escape: Gas mask with canister to protect against carbon monoxide; or escape-type SCBA.

NOTE: End of Service Life Indicator (ESLI) required for gas masks.

EYE PROTECTION: Safety glasses. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: No special protection is needed under normal circumstances of use. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: No special protection is needed under normal circumstances of use. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

9. PHYSICAL and CHEMICAL PROPERTIES

The following information is for Nitrogen, the main component of this gas mixture.

GAS DENSITY @ 32°F (0°C) and 1 atm: 0.072 lbs/ ft^3 (1.153 kg/m^3)

FREEZING/MELTING POINT @ 10 psig: -210°C (-345.8°F)

BOILING POINT: -195.8°C (-320.4°F)

SPECIFIC GRAVITY (air = 1) @ 70°F (21.1°C): 0.906

pH: Not applicable.

SOLUBILITY IN WATER vol/vol @ 32°F (0°C) and 1 atm: 0.023

MOLECULAR WEIGHT: 28.01

EVAPORATION RATE (nBuAc = 1): Not applicable.

EXPANSION RATIO: Not applicable.

ODOR THRESHOLD: Not applicable.

SPECIFIC VOLUME (ft^3/lb): 13.8

VAPOR PRESSURE @ 70°F (21.1°C) psig: Not applicable.

COEFFICIENT WATER/OIL DISTRIBUTION: Not applicable.

The following information is for the gas mixture.

APPEARANCE AND COLOR: This gas mixture is a colorless gas which has an rotten egg-like odor, due to the presence of Hydrogen Sulfide.

HOW TO DETECT THIS SUBSTANCE (warning properties): Continuous inhalation of low concentrations of Hydrogen Sulfide (a component of this gas mixture) may cause olfactory fatigue, so that there are no distinct warning properties. In terms of leak detection, fittings and joints can be painted with a soap solution to detect leaks, which will be indicated by a bubble formation. Wet lead acetate paper can be used for leak detection. The paper turns black in the presence of Hydrogen Sulfide. Cadmium chloride solutions can also be used. Cadmium solutions will turn yellow upon contact with Hydrogen Sulfide.

10. STABILITY and REACTIVITY

STABILITY: Normally stable in gaseous state.

DECOMPOSITION PRODUCTS: The thermal decomposition products of Propane, n-Hexane, and n-Pentane include carbon oxides. The decomposition products of Hydrogen Sulfide include water and sulfur oxides. The other components of this gas mixture do not decompose, per se, but can react with other compounds in the heat of a fire.

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Titanium will burn in Nitrogen (the main component of this gas mixture). Lithium reacts slowly with Nitrogen at ambient temperatures. Components of this gas mixture (Hydrogen Sulfide, Propane, n-Pentane, n-Hexane) are also incompatible with strong oxidizers (i.e. chlorine, bromine pentafluoride, oxygen, oxygen difluoride, and nitrogen trifluoride). Carbon Monoxide is mildly corrosive to nickel and iron (especially at high temperatures and pressures). Hydrogen Sulfide is corrosive to most metals, because it reacts with these substances to form metal sulfides.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Contact with incompatible materials. Cylinders exposed to high temperatures or direct flame can rupture or burst.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA: The following toxicology data are available for the components of this gas mixture:

NITROGEN: There are no specific toxicology data for Nitrogen. Nitrogen is a simple asphyxiant, which acts to displace oxygen in the

n-PENTANE:

LD_{50} (intravenous, mouse) = 446 mg/kg.

LC_{50} (inhalation, rat) = 364 g/m^3/4 hours

LCLo (inhalation, mouse) = 325 g/m^3/2 hours

n-HEXANE:

Eye, rabbit = 10 mg/ mild

TCLo (inhalation, rat) = 10,000 ppm/7 hr.

TCLo (inhalation, rat) = 5000 ppm/20 hours; teratogenic effects

LD50 (oral, rat) = 28710 mg/kg

LDLo (intraperitoneal, rat) = 9100 mg/kg

LCLo (inhalation, mouse) = 120,000 mg/kg

LD50 (rat, oral): 28,710 mg/kg

ACUTE INHALATION (mouse): 30,000 ppm, narcosis within 30 to 60 minutes; 35,000-40,000 ppm, convulsions and death.

DERMAL (rabbit): 2 to 5 ml/kg for 4 hours resulted in restlessness and discoordination,; death occurred at 5 ml/kg.

HYDROGEN SULFIDE:

LCLo (inhalation, human) = 600 ppm/30 minutes

LDLO (inhalation, man) = 5.7 mg/kg; central nervous system, pulmonary effects

n-HEXANE (continued):

CHRONIC INHALATION (rat): 400-600 ppm, 5 days/week, peripheral neuropathy in 45 days; 850 ppm for 143 days, loss of weight and degeneration of the sciatic nerve. (mouse): 250 ppm, peripheral neuropathy within 7 months; no effects at 100 ppm.

PROPANE:

Long-Term Inhalation: No toxicity or abnormalities were observed when monkeys were exposed to approximately 750 ppm for 90 days. Similar results were obtained when monkeys were exposed to an aerosol spray containing 65% propane and isobutane.

CARBON MONOXIDE:

TCLo (inhalation, mouse) = 65 ppm/24 hours (7-18 preg): rep. effects

TCLo (inhalation, mouse) = 8 pph/1 hour (female 8D post): ter. effects

HYDROGEN SULFIDE (continued):

LCLo (inhalation, human) = 800 ppm/5 minutes

LC_{50} (inhalation, rat) = 444 ppm

CARBON MONOXIDE (continued):

TCLo (inhalation, human) = 600 mg/m^3/10 minutes

LCLo (inhalation, man) = 4000 ppm/30 minutes

TCLo (inhalation, man) = 650 ppm/45 minutes: central nervous system and blood system effects.

LCLo (inhalation, human) = 5000 ppm/5 minutes

LCLo (inhalation, dog) = 4000 ppm/46 minutes

LCLo (inhalation, rabbit) = 4000 ppm

LC_{50} (inhalation, rat) = 1811 ppm/4 hours

LC_{50} (inhalation, guinea pig) = 2450 ppm/4 hours

LC_{50} (inhalation, guinea pig) = 5718 ppm/4 hours

LCLo (inhalation, mammal) = 5000 ppm/5 minutes

LD_{50} (inhalation, wild bird) = 1334 ppm

HYDROGEN SULFIDE (continued):

LC_{50} (inhalation, mouse) = 673 ppm/1 hour

LCLo (inhalation, mammal) = 800 ppm/5 minutes

SUSPECTED CANCER AGENT: The components of this gas mixture are not found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, and IARC; therefore, they are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

IRRITANCY OF PRODUCT: The Hydrogen Sulfide component of this gas mixture, is irritating to the eyes, and may be irritating to the skin.

SENSITIZATION OF PRODUCT: The components of this gas mixture are not known to be skin or respiratory sensitizers. Pentane isomers (i.e. n-Pentane) and Propane can cause cardiac sensitization to epinephrine.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this gas mixture on the human reproductive system.

Mutagenicity: No mutagenicity effects have been described for the components of this gas mixture.

Embryotoxicity: This gas mixture contains components that may cause embryotoxic effects in humans; however, due to the small total amount of the components, embryotoxic effects are not expected to occur.

Teratogenicity: This gas mixture is not expected to cause teratogenic effects in humans due to the small cylinder size and small total amount of all components. The Carbon Monoxide component of this gas mixture which exists up to 1%, can cause teratogenic effects in humans. Severe

11. TOXICOLOGICAL INFORMATION (continued)

exposure to Carbon Monoxide during pregnancy has caused adverse effects and the death of the fetus. In general, maternal symptoms are an indicator of the potential risk to the fetus since Carbon Monoxide is toxic to the mother before it is toxic to the fetus.

Reproductive Toxicity: The components of this gas mixture are not expected to cause adverse reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generation lines. An embryotoxin is a chemical which causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

BIOLOGICAL EXPOSURE INDICES (BEIs): Biological Exposure Indices (BEIs) have been determined for the components of this gas mixture, as follows:

CHEMICAL DETERMINANT	SAMPLING TIME	BEI
CARBON MONOXIDE • Carboxyhemoglobin in blood • Carbon monoxide in end-exhaled air	 • End of shift • End of shift	 • 3.5% of hemoglobin • 20 ppm
n-HEXANE • 2,5-Hexanedione in urine • n-Hexane in end-exhaled air	 • End of shift	 • 5 mg/g creatinine

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL STABILITY: The gas will be dissipated rapidly in well-ventilated areas. The following environmental data are applicable to the components of this gas mixture.

OXYGEN: Water Solubility = 1 volume Oxygen/32 volumes water at 20°C. Log K_{ow} = -0.65

PROPANE: Log K_{ow} = 2.38. Water Solubility = 62.4 ppm, 25°C. Propane is readily degraded by soil bacteria.

PENTANE: Log K_{ow} = 3.39. Water Solubility = 38.5 mg/L. LOG BCF (n-pentane) = calculated, 1.90 and 2.35, respectively. Photolysis, hydrolysis, and bioconcentration are not anticipated to be important fate processes. Biodegradation and soil adsorption are anticipated to be more important processes for this compound.

n-HEXANE: Log K_{ow} = 3.90-4.11. Water Solubility = 9.5 mg/L. Estimated Bioconcentration Factor =2.24 and 2.89. Bioconcentration in aquatic organisms is low. Hexane is volatile. Rapid volatilization from water and soil is anticipated for this compound. Hexane will float in slick on surface of the water

HYDROGEN SULFIDE: Water Solubility = 1 g/242 mL at 20°C.

CARBON MONOXIDE: Water solubility = 3.3 ml/100 cc at 0 °C, 2.3 ml at 20°C.

NITROGEN: Water Solubility = 2.4 volumes Nitrogen/100 volumes water at 0°C; 1.6 volumes Nitrogen/100 volumes water at 20°C.

EFFECT OF MATERIAL ON PLANTS or ANIMALS: No evidence is currently available on this gas mixture's effects on plant and animal life. The Hydrogen Sulfide and Carbon Monoxide components of this gas mixture, can be deadly to exposed animal life, producing symptoms similar to those experienced by humans. This gas mixture may also be harmful to plant life.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No evidence is currently available on the effects of this gas effects on aquatic life. The presence of more than a trace of Carbon Monoxide is a hazard to fish. The following aquatic toxicity data are available for the Hydrogen Sulfide component of this gas mixture.

TLm (Asellussp) = 0.111 mg/L/96 hour
TLm (Cranfgonyx sp) =1.07 mg/L/96 hour
TLm (Gammarrus) = 0.84 mg/L/96 hour
LC_{50} (fly inhalation) = 380 mg/m^3/960 minutes
LC_{50} (fly inhalation) = 1500 mg/m^3/7 minutes
TLm (Lepomis macrochirus, bluegill sunfish) = 0.0478 mg/L/96 hour
TLm (Lepomis macrochirus, bluegill sunfish) = 0.0448 mg/L/96 hour at 21-22 °C
TLm (Pimephlaes promelas, fathead minnow) = 0.0071-0.55 mg/L/96 hour
TLm (Salvenilis foninalis, brook trout) = 0.0216-0.038 mg/L/96 hour at 8-12.5 °C

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. Cylinders with undesired residual product may be safely vented outdoors with the proper regulator. For further information, refer to Section 16 (Other Information).

14. TRANSPORTATION INFORMATION

THIS GAS MIXTURE IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME: Compressed gases, n.o.s. (*Oxygen, Nitrogen)*or the gas component with the next highest concentration next to Nitrogen.

HAZARD CLASS NUMBER and DESCRIPTION: 2.2 (Non-Flammable Gas)

UN IDENTIFICATION NUMBER: UN 1956

PACKING GROUP: Not Applicable

DOT LABEL(S) REQUIRED: Class 2.2 (Non-Flammable Gas)

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2000): 126

MARINE POLLUTANT: The components of this gas mixture are not classified by the DOT as Marine Pollutants (as defined by 49 CFR 172.101, Appendix B).

SPECIAL SHIPPING INFORMATION: Cylinders should be transported in a secure position, in a well-ventilated vehicle. The transportation of compressed gas cylinders in automobiles or in closed-body vehicles can present serious safety hazards. If transporting these cylinders in vehicles, ensure these cylinders are not exposed to extremely high temperatures (as may occur in an enclosed vehicle on a hot day). Additionally, the vehicle should be well-ventilated during transportation.

Note: DOT 39 Cylinders ship in a strong outer carton (overpack). Pertinent shipping information goes on the outside of the overpack. DOT 39 Cylinders do not have transportation information on the cylinder itself.

TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This gas is considered as Dangerous Goods, per regulations of Transport Canada.

PROPER SHIPPING NAME: Compressed gases, n.o.s. (*Oxygen, Nitrogen)*or the gas component with the next highest concentration next to Nitrogen.

HAZARD CLASS NUMBER and DESCRIPTION: 2.2 (Non-Flammable Gas)

UN IDENTIFICATION NUMBER: UN 1956

PACKING GROUP: Not Applicable

HAZARD LABEL: Class 2.2 (Non-Flammable Gas)

SPECIAL PROVISIONS: None

EXPLOSIVE LIMIT AND LIMITED QUANTITY INDEX: 0.12

ERAP INDEX: None

PASSENGER CARRYING SHIP INDEX: None

PASSENGER CARRYING ROAD VEHICLE OR PASSENGER CARRYING RAILWAY VEHICLE INDEX: 75

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2000): 126

NOTE: Shipment of compressed gas cylinders via Public Passenger Road Vehicle is a violation of Canadian law (Transport Canada Transportation of Dangerous Goods Act, 1992).

15. REGULATORY INFORMATION

ADDITIONAL U.S. REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: This gas is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows:

COMPONENT	SARA 302 (40 CFR 355, Appendix A)	SARA 304 (40 CFR Table 302.4)	SARA 313 (40 CFR 372.65)
n-Hexane	NO	YES	YES
Hydrogen Sulfide	YES	YES	YES

15. REGULATORY INFORMATION (Continued)

U.S. SARA THRESHOLD PLANNING QUANTITY: Section 302 EHS TPQ = Hydrogen Sulfide = 500 lbs (227 kg);
U.S. TSCA INVENTORY STATUS: The components of this gas mixture are listed on the TSCA Inventory.
U.S. CERCLA REPORTABLE QUANTITY (RQ): Hexane = 5000 lb (2270 kg); Hydrogen Sulfide = 100 lbs (45.4 lb)
OTHER U.S. FEDERAL REGULATIONS:

- Hydrogen Sulfide, Carbon Monoxide, Propane, n-Pentane and n-Hexane are subject to the reporting requirements of CFR 29 1910.1000.
- Hydrogen Sulfide, Propane and n-Pentane are subject to the reporting requirements of Section 112(r) of the Clean Air Act. The Threshold Quantity for each of these gases is 10,000 pounds and so this mixture will not be affected by the regulation.
- Depending on specific operations involving the use of this gas mixture, the regulations of the Process Safety Management of Highly Hazardous Chemicals may be applicable (29 CFR 1910.119). Hydrogen Sulfide is listed in Appendix A of this regulation. The Threshold Quantity for Hydrogen Sulfide under this regulation is 1500 lbs.
- This gas mixture does not contain any Class I or Class II ozone depleting chemicals (40 CFR part 82).
- Nitrogen, Oxygen and n-Hexane are not listed Regulated Substances, per 40 CFR, Part 68, of the Risk Management for Chemical Releases. Hydrogen Sulfide is listed under this regulation in Table 1 as a Regulated Substance (Toxic Substance), in quantities of 10,000 lbs (4,553 kg) or greater. Carbon Monoxide, Propane and n-Pentane are listed under this regulation in Table 3, as Regulated Substances (Flammable), in quantities of 10,000 lbs (4,553 kg) or greater, and so this mixture will not be affected by the regulation.

U.S. STATE REGULATORY INFORMATION: The components of this gas mixture are covered under the following specific State regulations:

Alaska - Designated Toxic and Hazardous Substances: Carbon Monoxide, Propane, n-Pentane, n-Hexane, Hydrogen Sulfide.
California - Permissible Exposure Limits for Chemical Contaminants: Carbon Monoxide, Nitrogen, Propane, n-Pentane, n-Hexane, Hydrogen Sulfide.
Florida - Substance List: Oxygen, Carbon Monoxide, n-Pentane, n-Hexane, Hydrogen Sulfide.
Illinois - Toxic Substance List: Carbon Monoxide, Propane, n-Pentane, n-Hexane, Hydrogen Sulfide.
Kansas - Section 302/313 List: No.
Massachusetts - Substance List: Oxygen, Carbon Monoxide, Propane, n-Pentane, n-Hexane, Hydrogen Sulfide.
Michigan - Critical Materials Register: No.
Minnesota - List of Hazardous Substances: Carbon Monoxide, Propane, n-Pentane, n-Hexane, Hydrogen Sulfide.
Missouri - Employer Information/Toxic Substance List t: n-Pentane, n-Hexane, Propane, Hydrogen Sulfide.
New Jersey - Right to Know Hazardous Substance List: Oxygen, Carbon Monoxide, Nitrogen, Propane, n-Pentane, n-Hexane.
North Dakota - List of Hazardous Chemicals, Reportable Quantities: Hydrogen Sulfide.
Pennsylvania - Hazardous Substance List: Oxygen, Carbon Monoxide, Nitrogen, Propane, n-Pentane, n-Hexane, Hydrogen Sulfide.
Rhode Island - Hazardous Substance List: Oxygen, Carbon Monoxide, Nitrogen, Propane, n-Pentane, n-Hexane, Hydrogen Sulfide.
Texas - Hazardous Substance List: n-Pentane, n-Hexane, Propane, Hydrogen Sulfide.
West Virginia - Hazardous Substance List: n-Pentane, n-Hexane, Propane, Hydrogen Sulfide.
Wisconsin - Toxic and Hazardous Substances: n-Pentane, n-Hexane, Propane, Hydrogen Sulfide

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): The Carbon Monoxide component of this gas mixture is on the California Proposition 65 lists as a chemical known to the State of California to cause birth defects or other reproductive harm.
ADDITIONAL CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this gas mixture are on the Canadian DSL Inventory.
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: The components of this gas mixture are not on the CEPA Priorities Substances List.
CANADIAN WHMIS CLASSIFICATION: This gas mixture is categorized as a Controlled Product, Hazard Classes A and D2A, as per the Controlled Product Regulations.

16. OTHER INFORMATION

INFORMATION ABOUT DOT-39 NRC (Non-Refillable Cylinder) PRODUCTS

DOT 39 cylinders ship as hazardous materials when full. Once the cylinders are relieved of pressure (empty) they are not considered hazardous material or waste. Residual gas in this type of cylinder is not an issue because toxic gas mixtures are prohibited. Calibration gas mixtures typically packaged in these cylinders are Nonflammable n.o.s., UN 1956. A small percentage of calibration gases packaged in DOT 39 cylinders are flammable or oxidizing gas mixtures.

For disposal of used DOT-39 cylinders, it is acceptable to place them in a landfill if local laws permit. Their disposal is no different than that employed with other DOT containers such as spray paint cans, household aerosols, or disposable cylinders of propane (for camping, torch etc.). When feasible, we recommended recycling for scrap metal content. CALGAZ will do this for any customer that wishes to return cylinders to us prepaid. All that is required is a phone call to make arrangements so we may anticipate arrival. Scrapping cylinders involves some preparation before the metal dealer may accept them. We perform this operation as a service to valued customers who want to participate.

MIXTURES: When two or more gases or liquefied gases are mixed, their hazardous properties may combine to create additional, unexpected hazards. Obtain and evaluate the safety information for each component before you produce the mixture. Consult an Industrial Hygienist or other trained person when you make your safety evaluation of the end product. Remember, gases and liquids have properties which can cause serious injury or death.

Further information about the handling of compressed gases can be found in the following pamphlets published by: Compressed Gas Association Inc. (CGA), 1725 Jefferson Davis Highway, Suite 1004, Arlington, VA 22202-4102. Telephone: (703) 412-0900.

P-1 *"Safe Handling of Compressed Gases in Containers"*
AV-1 *"Safe Handling and Storage of Compressed Gases"*
"Handbook of Compressed Gases"

PREPARED BY: CHEMICAL SAFETY ASSOCIATES, Inc.
PO Box 3519, La Mesa, CA 91944-3519
619/670-0609

Fax on Demand: 1-800/231-1366

AIR LIQUIDE™

This Material Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR, 1910.1200. Other government regulations must be reviewed for applicability to this gas mixture. To the best of CALGAZ knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either express or implied, are provided. The information contained herein relates only to this specific product. If this gas mixture is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

APPENDIX D

COVID-19 Interim Health and Safety Guidance

COVID-19 INTERIM HEALTH AND SAFETY GUIDANCE

CORPORATE HEALTH AND SAFETY MANAGER	:	**Brian Hobbs, CIH, CSP**
EFFECTIVE DATE	:	**03/2020**
REVISION DATE	:	**10/08/2020**
REVISION NUMBER	:	**5**

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1. PURPOSE

This guidance has been implemented to establish work practices, administrative procedures, and engineering controls to minimize potential exposure to SARS-CoV-2, the virus that causes COVID-19. The following guidance has been developed based on local, state and federal recommendations/requirements regarding COVID-19. The purpose of this document is to supplement existing site-specific Health and Safety Plans (HASPs) and provide interim health and safety guidance to minimize potential exposure to SARS-CoV-2. Should additional scientific information or regulatory information change, this document shall be updated accordingly.

2. SCOPE AND APPLICABILITY

This guidance covers all Roux employees and the subcontractors that Roux oversees. Site specific HASPs shall be developed to incorporate elements of mitigative measures against COVID-19 exposure. If work cannot be carried out in compliance with this guidance, the project shall be further evaluated by the Project Principal (PP), Office Manager (OM), and Corporate Health and Safety Manager (CHSM) prior to work authorization.

Roux subcontractors are required to review, comply with, and implement Roux's COVID-19 Interim Health and Safety Guidance while on site. Subcontractors may implement additional preventative measures as they see fit. All work shall be conducted in a manner consistent with the federal, state, and local guidance as it relates to COVID-19.

3. BACKGROUND

What is COVID-19?

COVID-19 is a respiratory illness that can spread from person to person. The virus that causes COVID-19 is a novel coronavirus that was first identified during an investigation into an outbreak in Wuhan, China. This virus continues to spread internationally and within the United States. There is currently no vaccine to prevent COVID-19.

What are the symptoms of COVID-19?

Reported illnesses have ranged from mild symptoms to severe illness and death for confirmed COVID-19 cases. Symptoms may appear 2 to 14 days following exposure to the virus. People with these symptoms or combinations of symptoms may have COVID-19:

- Fever or chills
- Cough
- Shortness of breath or difficulty breathing
- Fatigue
- Muscle or body aches
- Headache
- New loss of taste or smell
- Sore throat
- Congestion or runny nose
- Nausea or vomiting
- Diarrhea

This list is not all possible symptoms. The CDC will continue to update this list as they learn more about the virus. For an updated symptom list please reference the following link for CDC Symptoms of Coronavirus.

If someone develops emergency warning signs for COVID-19, they should be instructed to get medical attention immediately. Emergency warning signs can include those listed below; however, this list is not all inclusive. Please consult your medical provider for any other symptoms that are severe or concerning.

- Trouble breathing
- Persistent pain or pressure in the chest
- New confusion
- Inability to wake or stay awake
- Bluish lips or face

How does COVID-19 spread?[1]

SARS-COV-2 spreads very easily from person to person during close contact.

Individuals who are within close contact (within 6 feet) of a person with COVID-19 or have direct contact with that person are at greatest risk of infection.

- When people with COVID-19 cough, sneeze, sing, talk, or breathe they produce respiratory droplets. These droplets can range in size from larger droplets (some of which are visible) to smaller droplets. Small droplets can also form particles when they dry very quickly in the airstream.
- Infections occur mainly through exposure to respiratory droplets when a person is in close contact with someone who has COVID-19.
- Respiratory droplets cause infection when they are inhaled or deposited on mucous membranes, such as those that line the inside of the nose and mouth.
- As the respiratory droplets travel further from the person with COVID-19, the concentration of these droplets decreases. Larger droplets fall out of the air due to gravity. Smaller droplets and particles spread apart in the air.
- With passing time, the amount of infectious virus in respiratory droplets also decreases.

SARS-CoV-2 can sometimes spread by airborne transmission under certain circumstances.

Some infections can be spread by exposure to virus in small droplets and particles that can linger in the air for minutes to hours. These viruses may be able to infect people who are further than 6 feet away from the person who is infected or after that person has left the space. This kind of spread is referred to as **airborne transmission** and is an important way that infections like tuberculosis, measles, and chicken pox are spread.

- There is evidence that under certain conditions, people with COVID-19 seem to have infected others who were more than 6 feet away. These transmissions occurred within enclosed spaces that had inadequate ventilation. Sometimes the infected person was breathing heavily, for example while singing or exercising.
    - Under these circumstances, scientists believe the amount of infectious smaller droplet and particles produced by the people with COVID-19 became concentrated enough to spread the virus to other people. The people who were infected were in the same space during the same time or shortly after the person with COVID-19 had left.
- Available data indicate it is much more common for the virus that causes COVID-19 to spread through close contact with a person who has COVID-19 than through airborne transmission.[2]

Spread from contact with contaminated surfaces or objects is less common.

Respiratory droplets can also land on surfaces and objects. It is possible that a person could get COVID-19 by touching a surface or object that has the virus on it and then touching their own mouth, nose, or eyes. Spread from touching surfaces is not thought to be a common way that COVID-19 spreads.

4. TRAINING REQUIREMENTS

All employees with potential exposure to COVID-19 shall be provided training that incorporates COVID-19 exposure mitigation strategies, such as implementation of proper social distancing, personal hygiene (e.g., handwashing), as well as disinfection procedures, as outlined by CDC guidelines.

5. EXPOSURE RISK POTENTIAL

Worker risk of occupational exposure to COVID-19 can vary from very high, high, medium, or lower (caution) risk. This level of exposure is dependent on several factors, which can include industry type; need for contact within

1 How COVID-19 Spreads https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/how-covid-spreads.html#edn1

2 Scientific Brief: SARS-CoV-2 and Potential Airborne Transmission | CDC https://www.cdc.gov/coronavirus/2019-ncov/more/scientific-brief-sars-cov-2.html

6 feet of people known to be or suspected of being infected with COVID-19; density of work environment; and industrial setting (i.e., healthcare building, occupied interior work area, minimal ventilation).

Provided below is background risk level information taken from the U.S. Department of Labor Occupational Safety and Health Administration Guidance on preparing workplaces for COVID-19. Risk evaluations for each project shall be conducted by the PP and OM in consultation with the CHSM to ensure Roux employees and subcontractors remain within the lower exposure (caution) category. If it is identified there is a medium exposure risk or higher, further evaluation and mitigative measures shall be evaluated to reduce overall exposure risk prior to work authorization.



Very High Exposure Risk (Activities not conducted by Roux)

Very high exposure risk includes occupations/work activities with high potential for exposure to known or suspected sources of COVID-19 during specific medical, postmortem, or laboratory procedures. This can include but is not limited to:

- Healthcare workers (e.g., doctors, nurses, dentists, paramedics, emergency medical technicians) performing aerosol-generating procedures (e.g., intubation, cough induction procedures, bronchoscopies, some dental procedures and exams, or invasive specimen collection) on known or suspected COVID-19 patients.
- Healthcare or laboratory personnel collecting or handling specimens from known or suspected COVID-19 patients (e.g., manipulating cultures from known or suspected COVID-19 patients).
- Morgue workers performing autopsies, which generally involve aerosol-generating procedures on the bodies of people who are known to have, or suspected of having, COVID-19 at the time of their death.

High Exposure Risk (Activities not conducted by Roux)

High exposure risk occupations/work activities include exposure to known or suspected COVID-19 positive individuals. This can include but not limited to:

- Healthcare delivery and support staff (e.g., doctors, nurses, and other hospital staff who must enter patients' rooms) exposed to known or suspected COVID-19 patients. (Note: when such workers perform aerosol-generating procedures, their exposure risk level becomes very high.)
- Medical transport workers (e.g., ambulance vehicle operators) moving known or suspected COVID-19 patients in enclosed vehicles.
- Mortuary workers involved in preparing (e.g., for burial or cremation) the bodies of people who are known to have, or suspected of having, COVID-19 at the time of their death.

Medium Exposure Risk

Medium exposure risk occupations/work activities include those that require frequent and/or close contact with (i.e., within 6 feet of) people who may be infected with COVID-19, but who are not known or suspected to be COVID-19 positive. For most of our worksites, it is assumed there is on-going community transmission for COVID-19. Therefore, workers who work at sites and may have contact with the general public, other contractors, high-population-density work environments (i.e., greater than 10 people) fall within medium exposure risk group category. This can include, but is not limited to, sampling events that require two or more workers to collect and log samples in close contact or work occurring in an interior space with limited ventilation and several workers present.

Lower Exposure Risk (Caution)

Lower exposure risk (caution) occupations/work activities are those that do not require contact with people known to be or suspected of being COVID-19 positive. During these activities, there is limited contact (i.e., within 6 feet of) the general public or other workers. Workers in this category have minimal occupational contact with the public and other coworkers. This can include construction oversight that does not require close contact as well as sampling or gauging events performed by one worker.

6. COVID-19 HEALTH SCREENING

6.1. Roux Employees

All Roux employees are required to self-attest to a COVID-19 Daily Health Questionnaire which is to be completed at home through a mobile application on scheduled workdays. The purpose of this program is to ensure business continuity as well as mitigate any potential exposure to our employees and others if it is determined employees are at-risk for contracting COVID-19. As part of this self-attestation, all employees are required to take their temperatures daily at home to confirm they do not have a fever (≥ 100.4). Employees who answer yes to any of these questions are instructed to contact their Office Manager and/or Department Head immediately and should not enter the office or go to a field site. Information shall be used to determine appropriate internal response in consultation with the Human Resources Director and Corporate Health and Safety Manager.

Below, you will find our COVID-19 Daily Health Questionnaire that all Roux employees are required to self-attest to **every scheduled workday by 9:30 am.** If employees do not promptly fill out the questionnaire by the time listed above, there will be additional follow up by HR, H&S, and/or OMs.

According to the U.S. Centers for Disease Control and Prevention & the World Health Organization, COVID-19 Symptoms include:

- *Fever (≥100. 4°F) or chills*
- *Cough*
- *Shortness of breath or difficulty breathing*
- *Fatigue*
- *Muscle or body aches*
- *Headache*
- *New loss of taste or smell*
- *Sore throat*
- *Congestion or runny nose*
- *Nausea or vomiting*
- *Diarrhea*

Have you experienced any of the COVID-19 related symptoms noted above in the last 14 days? Please Note: We do not expect employees to answer "yes" to the symptoms question if these are symptoms you normally experience due to another condition or medication.

- *Yes*
- *No*

Have you been in close contact with someone who is suspected or confirmed to have COVID-19 or who is under investigation for COVID-19 within the last 14 days? *Close contact is defined as someone who was within 6 feet of an infected person for at least 15 minutes or coming into direct contact with secretions (e.g., sharing utensils, being coughed on) from an infected person.*

- *Yes*
- *No*

Have you traveled outside of the country, been on a cruise ship and/or traveled to areas within the United States which have state mandated travel restrictions in the last 14 days?

- *Yes*
- *No*

Have you tested positive for COVID-19 within the last 14 days?

- *Yes*
- *No*

6.2. Subcontractors

In an effort to mitigate the risk of transmission of COVID-19, Subcontractors who shall perform work on-site are required to attest to the fitness of their work crew on a daily basis. This requires each worker to self-assess by asking themselves the four questions listed in the section above and also contained within the Roux Subcontractor Work Crew COVID-19 Daily Health Attestation. If any crew member answers "yes" to any of the questions, that worker is not to report to the field site and should seek proper medical advice, in accordance with local, state and federal guidelines.

On a daily basis, the subcontractor supervisor must provide the Subcontractor Work Crew COVID-19 Daily Health Attestation complete with the names of all work crew fit to be on the site for that day (i.e., who have answered "no" to all questions on the self-assessment) to Roux's Project Manager. The Subcontractor must notify Roux if there have been any "yes" responses daily. Subcontractors shall not be required to provide the name or any other personal information of any employee who has answered "yes" to any of the self-assessment questions, however, the subcontractor should provide the date and times that employee has been onsite in the prior 14 days. Records shall be maintained within the project files indicating health screening has been performed, records shall be retained for not less than 14 days following the date of submission. The Roux Subcontractor Work Crew COVID-19 Daily Health Check Attestation can be found within Appendix A.

7. SELF-ISOLATION & QUARANTINE

7.1. Self-Isolation

What if I am asked to self-isolate at home and when can I return from home isolation?

Depending on the situation, if you are COVID-19 positive or suspected to have COVID-19, employees may be required to self-isolate in their homes, as per CDC or local health department guidelines. As per CDC guidance, return from isolation has been broken out into two categories. The first includes confirmed or suspected COVID-19 individuals exhibiting symptoms, and the second includes those who have not had COVID-19 symptoms (i.e., asymptomatic), but tested positive and are under self-isolation. Both categories, along with strategies to return from home isolation, are outlined below.

People with COVID-19 under home isolation:

Accumulating evidence supports ending isolation and precautions for persons with COVID-19 using a symptom-based strategy. Specifically, researchers have reported that people with mild to moderate COVID-19 remain infectious no longer than 10 days after their symptoms began, and those with more severe illness or those who are severely immunocompromised remain infectious no longer than 20 days after their symptoms began. Therefore, CDC has updated the recommendations for discontinuing home isolation as follows:

1. **Persons with COVID-19 who have symptoms** and were directed to care for themselves at home may discontinue isolation under the following conditions:
    a. At least 10 days* have passed since symptom onset;
    b. At least 24 hours have passed since resolution of fever without the use of fever-reducing medications; and
    c. Other symptoms have improved.

* *A limited number of persons with severe illness may produce replication-competent virus beyond 10 days, which may warrant extending the duration of isolation for up to 20 days after symptom onset. Consultation with your healthcare provider will be warranted in such cases of severe illness.*

2. **Persons infected with SARS-CoV-2 who never develop COVID-19 symptoms** may discontinue isolation and other precautions 10 days after the date of their first positive RT-PCR test for SARS-CoV-2 RNA.

7.2. Quarantine

Employees may be required to self-quarantine due to potential exposure with a suspected and/or confirmed COVID-19 positive individual as well as recent travel as per local/state guidelines. People in quarantine should stay home, separate themselves from others, monitor their health, and follow directions from their state or local health department. If Roux employees meet the criteria to self-quarantine based on potential exposure/travel, they are required to self-quarantine for 14 days regardless of local/state exemptions. Even if you test negative for COVID-19 or feel healthy, symptoms may still appear 2 to 14 days after exposure to the virus.

7.2.1. Close Contact Quarantine

Employees who have come into close contact with someone who has COVID-19 are required to self-quarantine for 14 days following their last contact with the COVID-19 positive person. Close contact can be defined as being within 6 feet of someone who has COVID-19 for a total of 15 minutes or more, providing care at home to someone who is sick with COVID-19, having direct physical contact with COVID-19 individual, sharing utensils with COVID-19 individual, and being sneezed/coughed on by someone with COVID-19.

7.2.2. Travel Related Quarantine

All travel out of state must be communicated with the OM and/or Department Head prior to departure. Please note, some state/local entities require submissions of traveler health forms. It is expected all Roux employees will comply with such state/local travel requirements. All employees returning from international and/or cruise ship travel must quarantine for 14 days from the time they have returned home.

Personal Travel

Employees who will be traveling out of state are responsible for checking the local/state quarantine guidance for the regions they are traveling from and to in advance of travel and notifying their OM prior to traveling in order to evaluate the impact on the business. Based on state/local guidelines you may be required to quarantine for 14 days from the time you have returned home.

Work-Related Travel

The Project Team (i.e., PM & PP) and field staff who will be traveling are responsible for checking the local/state quarantine guidance for the regions they are traveling from and to in advance of travel and notifying their OM prior to traveling in order to evaluate the impact to the business. Additionally, health and safety considerations shall be reviewed by the OM in consultation with the CHSM regarding logistics and overnight accommodations. Based on state/local guidelines, you may be required to quarantine for 14 days from the time you have returned home.

8. WORKPLACE CONTROLS

During the project planning phase, worksite evaluations shall be carried out by the PP and OM in consultation with the CHSM to determine risk exposure levels for work activities. If it is determined there is a medium exposure risk level or higher, additional workplace controls shall be evaluated and implemented as required in addition to the basic infection prevention measures outlined below in Section 8. Additional workplace controls can include engineering controls (i.e., ventilation, physical barriers), administrative controls (i.e., minimizing contact between workers, rotating shifts, site specific training), and additional personal protective equipment (i.e., respiratory protection). If exposure risk cannot be mitigated, potential project postponement may be necessary at the discretion of the OM in consultation with the CHSM.

A Job Safety Analysis (JSA) has been developed and is provided in Appendix B, which summarizes and applies concepts within this guidance including the infection prevention measures listed below. This JSA shall be required for all field work in areas where there is community-based transmission of COVID-19.

9. INFECTION PREVENTION MEASURES

The following is basic infection prevention and personal hygiene practices which shall be implemented for all Roux field activities as well as in the office setting.

- ***Personal Hygiene***
  - Wash your hands often with soap and water for at least 20 seconds.
    - If soap and water are not available, use an alcohol-based sanitizer that contains at least 60% ethanol or 70% isopropanol.
    - Key times to wash your hands include after blowing your nose, coughing or sneezing, after using the restroom, and before eating or preparing food.
  - Do not touch your eyes, face, nose and mouth with unwashed hands.
  - Cover your mouth and nose with a tissue when you cough or sneeze or use the inside of your elbow.
  - Throw potentially contaminated items (e.g., used tissues) in the trash.
- ***Avoid Close Contact/Secondary Contact with People and Potentially Contaminated Surfaces***
  - Apply appropriate social distance (6+ feet).
  - Stop handshaking—use and utilize other noncontact methods for greeting.
  - Do not work in areas with limited ventilation with other Site workers (e.g., small work trailer which lacks HVAC system). If working in a trailer, the following conditions must be met: limited to 4 workers, large enough to have the ability to apply social distance and has open windows and/or operational HVAC to ensure proper ventilation of the workspace.
  - Morning tailgate/safety meetings shall occur outside and not within work trailers.
    - Do not require employees or subcontractors to sign in using the same tailgate form. The Site Supervisor/SHSO should record names of those in attendance on the form.
    - If the Site has more than 10 workers, separate tailgate meetings should be performed in smaller groups.
  - Do not share equipment or other items with co-workers and subcontractors unless wearing appropriate PPE (e.g., nitrile gloves). Assume equipment and other surfaces are potentially contaminated and remove gloves aseptically.
  - If receiving labware or other equipment disinfect to the extent feasible. If there are concerns for contaminating labware please wear appropriate PPE (e.g., gloves) to minimize contact.
  - Contact your lab/equipment vendor to confirm equipment is properly disinfected prior to being shipped.
  - Do not carpool with others (e.g., clients, coworkers).
  - For company owned vehicles limit sharing of vehicles with coworkers. If unable to limit sharing of company owned vehicles, properly disinfect vehicle before driving with a focus on commonly touched surfaces (e.g., steering wheels, shifters, buttons, etc.).
  - Use caution when using public restrooms, portable toilets. Use paper towel as a barrier when touching door handles and faucets.
- ***Cleaning and Disinfecting***
  - Clean and disinfect frequently touched surfaces daily. Commonly touched items can include but are not limited to tables, doorknobs, light switches, countertops, handles, desks, phones, keyboards, toilets, faucets, sinks, and field equipment (i.e., photo-ionization detector, field equipment).
  - **Hard (Non-porous) Surfaces**
    - If surfaces are dirty, they should be cleaned with a detergent/soap and water prior to disinfection.

- Refer to the manufacturer's instructions to ensure safe and effective use of the product and wear appropriate personal protective equipment (e.g., gloves, safety glasses, face shield).
- Many products require:
  - Keeping surface wet for a period of time (i.e., contact time)
    - Refer to manufacturer's instructions outlining adequate contact time.
  - Precautions such as wearing gloves and making sure you have good ventilation during use of the product.
- Disposable gloves should be removed aseptically and discarded after cleaning. Wash hands immediately following removal of gloves. Refer to Appendix C for how to remove gloves aseptically.
- For disinfection, diluted household bleach solutions, alcohol solutions with at least 70% alcohol, and most common EPA-registered household disinfectants should be effective.
  - Diluted household bleach solutions can be used if appropriate for the surface. Follow manufacturer's instructions for application and proper ventilation. Check to ensure the product is not past its expiration date. Never mix household bleach with ammonia or any other cleanser. Unexpired household bleach will be effective against coronaviruses when properly diluted. Leave the solution on the surface for at least 1 minute.
    - Prepare a bleach solution by mixing:
      - 5 tablespoons (1/3 cup) bleach per gallon of water or
      - 4 teaspoons bleach per quart of water
- Products with EPA-approved emerging viral pathogen claims are expected to be effective against COVID-19. Follow the manufacturer's instructions for all cleaning and disinfecting products (e.g., concentration, application method and contact time, etc.).

- **Soft (Porous) Surfaces**
  - For soft (porous) surfaces, remove visible contamination if present and clean with appropriate cleaners indicated for use on the surfaces. After cleaning:
    - Launder items as appropriate in accordance with the manufacturer's instructions. If possible, launder using the warmest appropriate water setting for the item and dry items completely; or
    - Use products with the EPA-approved emerging viral pathogens that claim they are suitable for porous surfaces.
- **Electronics**
  - For electronics such as tablets, touch screens, keyboards, remote controls, etc. remove visible contamination if present.
    - Follow the manufacturer's instructions for all cleaning and disinfection products.
    - Consider use of wipeable covers for electronics.
    - If no manufacturer guidance is available, consider the use of alcohol-based wipes or sprays containing at least 70% alcohol to disinfect touch screens. Dry surfaces thoroughly to avoid pooling of liquids.
- ***Linens, Clothing, and Other Items that Go in the Laundry***
  - Although it is unlikely field clothing would become potentially contaminated with COVID-19, it is recommended that field staff regularly launder field clothing following any field event upon returning home.
  - In order to minimize the possibility of dispersing the virus from potentially contaminated clothing, do not shake dirty laundry.
  - Wash items as appropriate in accordance with the manufacturer's instructions. If possible, launder items using the warmest appropriate water setting for the items and dry items completely.
  - Clean and disinfect hampers or other containers used for transporting laundry according to guidance listed above.

10. CLOTH FACE COVERINGS

The CDC recommends the use of cloth face coverings in public settings where other social distancing measures are difficult to maintain, such as grocery stores and pharmacies, and especially in areas of significant community-based transmission. This recommendation is based on recent studies and an understanding that a significant portion of asymptomatic, as well as pre-symptomatic, individuals can shed the virus to others before showing symptoms. Studies indicate that COVID-19 can spread among people interacting in close proximity through speaking, coughing, or sneezing. The purpose of the cloth covering is NOT to provide protection to the wearer, but to protect the wearer from unknowingly infecting others if they are asymptomatic/pre-symptomatic. The use of cloth face coverings is to supplement and NOT replace the existing practices outlined above.

Based on existing studies and on-going recommendations and/or requirements from federal, state, and local entities, Roux is recommending the use of cloth face coverings, when appropriate. Appropriate use is defined when local authorities or clients require the use of cloth face coverings in conjunction with established social distancing, or if an employee elects to use a cloth covering on their own accord. Roux will provide cloth face coverings that shall meet the basic requirements outlined by the CDC guidance.

Cloth Face Coverings should:

- Fit snugly but comfortably against the side of the face;
- Covers your nose and mouth and secure it under your chin;
- Include multiple layers of fabric;
- Allow for breathing without restriction; and
- Be able to be laundered and machine dried with no damage or change to shape.

When donning and doffing the cloth face covering, individuals should avoid touching their eyes, nose, and mouth. Following removal of the cloth face covering, employees should wash their hands immediately using the guidelines described in Section 8 above. Cloth face coverings should be routinely washed depending on the frequency of use.

The CDC does not recommend the use of gaiters or face shields. Evaluation of these face covers is on-going but effectiveness is unknown at this time. Masks with exhalation valves or vents should NOT be worn to help prevent the person wearing the mask from spreading COVID-19 to others (source control).

Note, the cloth face coverings recommended are not surgical masks or N-95 respirators. Those are critical supplies that must continue to be reserved for healthcare workers and other medical first responders, as recommended by current CDC guidance. Should there be a requirement for workers to be in respiratory protection (e.g., full-face respirator w/cartridges, P100, N95 respirators), it shall be addressed during the project pre-planning phase, which includes discussions with the PP and OM in consultation with CHSM.

11. HOTEL SELECTION PROCESS AND OVERNIGHT/REMOTE WORK

Hotel Selection

Due to the current COVID-19 situation, Roux is recommending overnight travel be limited to the extent possible. If there is a project requiring the overnight stay at a hotel, accommodations shall be made only after the hotel and hotel's location have been vetted in accordance with Roux's established guidance as defined below. The Project Team, which includes the Project Manager (PM) and PP along with the OM, in consultation with the CHSM, shall verify the hotel has appropriate protocols in place to limit the potential exposure and spread of COVID- 19 through proper cleaning and disinfection practices. Discussions with the hotel shall include, but are not limited to, measures taken to keep guests safe during their stay, guest room sanitization schedule, training of staff regarding disinfecting protocols using EPA-approved disinfectants, hotel staff fitness for duty requirements, etc. Some example questions are listed below. Following the initial hotel assessment by the Project Team, the OM and the CHSM shall review the hotel assessment findings prior to the CHSM's authorization that the hotel may be used by any Roux employees.

Sample Questions for Evaluating Hotels

1. Is there an established COVID-19 guidance/policy your location is following?
2. What additional measures are being implemented to keep workers and customers safe?; (e.g. signs/placards, social-distancing/mask reminders)
3. Is there a guest room sanitization schedule?
4. Have staff been trained on properly cleaning/disinfecting areas?
5. What types of disinfectants are in use at your location?
6. How are you evaluating staff fitness for duty? (e.g., temperature checks, not reporting to work when sick, etc.)

Employees staying overnight should abide by the following guidance:

- Ensure you properly disinfect your room upon arrival. This should include a wipe down of all commonly touched surfaces with an approved disinfectant. Use appropriate PPE (e.g., nitrile gloves) when disinfecting surfaces.
- Place the "Do Not Disturb" placard on the room while away and consider limiting hotel housekeeping service to the extent feasible (e.g., not having the room cleaned each day) to minimize potential secondary contact with others.
- Do not spend any more time in hotel common areas (i.e., lobby, hallways, etc.) than is necessary.
- Follow proper Infection Prevention Measures found within Section 8 above.
- Have meals in your hotel room after disinfecting outer package surfaces, as outlined in Section 8 above. Do not eat in public spaces or restaurants.
- If the hotel has a restaurant or café, do not have your meal in a common area; instead order food to be picked up or delivered to your room. If delivered, opt for contactless delivery (left outside the door, delivery person knocks and leaves). Always use your own pen if you need to sign something.
- Employees may also pick up food from takeout locations, order groceries or food for delivery to the hotel. Call local restaurants to order food for delivery (call the hotel lobby for recommendations) or use food ordering apps. Some apps have options for contactless delivery.

12. TRANSPORTATION-RENTAL CARS AND ROUX-OWNED VEHICLES

Rental Cars

Due to the current COVID-19 situation, Roux recommends rental car usage be limited to the extent possible. If there is a project requiring the use of a rental car (e.g. truck/van), accommodations shall be made only after the rental car company and their store's location have been vetted in accordance with Roux's established guidance, as defined below. The Project Team (PM and PP) and OM in consultation with the CHSM shall verify the rental company where you are picking up your vehicle has appropriate protocols in place to limit the potential exposure and spread of COVID- 19 through proper cleaning and disinfection practices. Discussions with the rental car company shall include, but are not limited to, measures to be taken to keep customers safe during pickup/drop-off, rental car disinfection protocols, training of staff regarding disinfecting protocols using EPA-approved disinfectants, rental car company staff fitness for duty requirements, etc. Some example questions are listed below. Following the initial rental car company store assessment by the Project Team, the OM and the CHSM shall review the rental car company assessment findings prior to the CHSM's authorization that the rental car company store may be used by any Roux employees.

Sample Questions for Evaluating Rental Car Companies

1. Is there an established COVID-19 guidance your location is following?
2. What additional measures are being implemented to keep workers and customers safe?
3. Is there a car sanitization schedule?

4. Have staff been trained on properly cleaning/disinfecting vehicles?
5. What types of disinfections are in use at your location?
6. How are you evaluating staff fitness for duty? (e.g., temperature checks, not reporting to work when sick, etc.)

Upon vehicle pickup, employees shall don nitrile gloves and safety glasses and clean/disinfect all high-touch surfaces (steering wheel, knobs, door handles, turn signals, radio, etc.) by wiping thoroughly with approved disinfectants (following manufacturer's instructions). Aseptically remove gloves and dispose of them along with rags/wipes, appropriately. Wash hands or use hand sanitizer immediately after each episode of cleaning. Due to social distancing requirements, personnel shall not carpool to destinations.

Roux-Owned Vehicles

Due to the current COVID-19 situation, Roux-owned vehicles should be dedicated to individual employees to the extent feasible, and if authorized by the OM. In the case this cannot be accommodated, employees shall don nitrile gloves and safety glasses, and clean/disinfect all high-touch surfaces (steering wheel, knobs, door handles, turn signals, radio, etc.) by wiping thoroughly with approved disinfectants (following manufacturer's instructions). This cleaning and disinfection shall occur before and after each use of the vehicle. Aseptically remove gloves and dispose of them along with rags/wipes, appropriately. Wash hands or use hand sanitizer immediately after each episode of cleaning. Due to social distancing requirements, personnel shall not carpool to destinations.

APPENDIX A

Roux Subcontractor Work Crew

COVID-19 Daily Health Screening Questionnaire

Subcontractor Work Crew
COVID-19 Daily Health Attestation

Date:
Company Name:
Supervisor Name: Signature:
Project Name:
Site Address:
Number of Workers on site:

Prior to entry onto a field site, the following questions shall be asked by the Subcontractor Supervisor to their work crew.

It is preferred this questionnaire is completed for each individual prior to their arrival at the field site. If the answer to any of these questions is YES, the worker is not to report to the field site and seek proper medical advice, in accordance with CDC Guidelines.

The Subcontractor Supervisor must provide this form on a daily basis to the Roux primary contact for the project and notify Roux of any YES responses.

1. Have you experienced any signs/symptoms of COVID-19 such as fever (≥100.4°F), cough, shortness of breath, chills, fatigue, muscle/body aches, headache, new loss of taste or smell, sore throat, congestion or runny nose, nausea/vomiting or diarrhea in the last 14 days?

2. Have you been in close contact* with someone who is suspected or confirmed to have COVID-19 or who is under investigation for COVID-19 within the last 14 days?

*Close contact is defined as someone who was within 6 feet of an infected person for at least 15 minutes or coming into direct contact with secretions (e.g. sharing utensils, being coughed on) from an infected person.

3. Have you traveled outside of the country, been on a cruise ship and/or traveled to areas within the United States which have state mandated travel restrictions in the last 14 days?

4. Have you tested positive for COVID-19 within the last 14 days?

Please list the crew member's names on site for the day.

1.	9.
2.	10.
3.	11.
4.	12.
5.	13.
6.	14.
7.	15.
8.	16.

APPENDIX B

Job Safety Analysis-Working in Areas Affected by COVID-19

JOB SAFETY ANALYSIS	Ctrl. No. CVD-19	DATE: 04/16/2020	☒ NEW ☐ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
Generic	**Fieldwork**	**Working in Areas Affected by Coronavirus**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Kristina DeLuca	Health and Safety Specialist	Brian Hobbs	CHSM

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES – Leather/cut-resistant in field and nitrile as needed
☒ HARD HAT – In field	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	
☐ LIFELINE / BODY HARNESS	☐ HEARING PROTECTION	☒ PPE CLOTHING – High visibility vest in field	☐ OTHER
☒ SAFETY GLASSES – In field	☒ SAFETY SHOES – Steel/composite toe in fie		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Cloth face covering, nitrile gloves, hand soap, water source, hand sanitizer, disinfectant spray and disinfectant wipes.

Commitment to Safety – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

SOCIAL DISTANCING: Maintain 6' of distance between yourself and all other people at all times. If you do not believe the scope of work can be conducted while maintaining this distance, contact your Project Manager immediately.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Project Preplanning	N/A	• Review and follow COVID-19 CDC, Roux, Client and local orders/protocols. • Ensure all workers are fit for duty - anyone feeling sick should remain at home even if symptoms do not align with COVID-19. If a worker has been in contact with someone potentially positive or positive for COVID-19, contact your Office Manager. • Determine PPE needs and ensure adequate supply of disinfectant wipes/spray, soap and water or hand sanitizer at Site. Due to high demands and limited supply, plan ahead. • Use the minimum number of employees necessary to safely complete the work.
2. Mobilization	**Exposure:** Becoming infected or infecting co-workers	**Personal/Rental/Roux Owned Vehicle** • Do not carpool. • Use the same vehicle every day and do not share with co-workers. • Verify workers/other people are not approaching vehicle prior to exiting the vehicle. Maintain 6' of distance from others. • DO not valet your car or allow others to use your car. If necessary, don nitrile gloves and safety glasses and clean/disinfect all high touch surfaces (steering wheel, knobs, door handles, turn signals, radio, etc.) by wiping thoroughly with approved disinfectants (follow manufacturer's instructions). This cleaning and disinfection shall occur before and after each use of the vehicle. Aseptically remove gloves and dispose of them along with rags/wipes, appropriately. Wash hands or use hand sanitizer immediately after each episode of cleaning. **Public Transportation** • Public transit should not be used unless absolutely necessary. Consider renting a car rather than taking public transit. If public transit is required, wear appropriate PPE and apply social distancing (6 ft). Use proper donning and doffing procedures for nitrile gloves. Wash hands or use hand sanitizer immediately after. **Hotel Stay (Refer to COVID-19 H&S Guidance for more info)** • If a hotel stay is deemed necessary for the given field work, ensure that you disinfect your room upon initial arrival and returning each day. Disinfect all surfaces of your room with an appropriate disinfectant using nitrile gloves. Use proper donning and doffing procedures for nitrile gloves. • Place the "Do Not Disturb" placard on the room while away and limit housekeeping services to the extent feasible during your stay to minimize the reintroduction and spread of the virus from others. Minimize, or avoid entirely, time spent in hotel common areas (i.e., the lobby, dining areas, gyms, etc.). Wash hands or use hand sanitizer often.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.
[2] A hazard is a potential danger. Break hazards into six types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards, energy source; Energy Source – electricity, pressure, compression/tension.
[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

3. Tailgate Meeting	**Exposure:** Becoming infected or infecting co-workers	• Must occur outside or remotely (i.e. video or conference call). • Maintain at least a 6+ ft distance between you and others. • Discuss primary infection prevention measures listed below. • Do not require employees or subcontractors to sign in, the Site Supervisor shall record names on the attendance form. • If the Site has more than 10 workers, separate tailgate meetings should be performed. • Discuss COVID-19 symptoms with coworkers and subcontractors to ensure fitness for duty. Anyone exhibiting signs or symptoms should be instructed to leave the Site, contact your Project Manager.
4. Site Activities	**Exposure:** Becoming infected or infecting co-workers	• Coordinate field activities at the beginning of the day (i.e. Tailgate meeting) to minimize time spent in crowded spaces or overlap while completing job tasks. • Don cloth face coverings as appropriate. • Apply social distancing (6+ ft) when interacting with others. If anyone comes within 6 ft of you while conducting work and your work prevents you from moving away, politely ask them to move back. If others are unable to move from your space, stop work and leave area. • Do not shake hands or touch others. • Do not share equipment or other items with co-workers and subcontractors unless wearing appropriate PPE (e.g. nitrile gloves). Assume equipment and other surfaces are potentially contaminated and remove gloves aseptically (See Appendix B of Roux Interim H&S Guidance for proper glove removal). • If anyone is coughing or sneezing in your vicinity, stop work and leave the area. • Do not work in areas with limited ventilation with others. • Cover your mouth and nose with tissue or paper towel or with your elbow when coughing or sneezing and wash hands or use hand sanitizer immediately after. If sick contact SHSO/PM and leave Site immediately. • Disinfect work surfaces/areas with approved disinfectant you're responsible for (ex: desk, office doorknob, computer, etc.) at least once at the beginning of your shift and at least once at the end of your shift with either sanitizing wipes or disinfectant spray. • Phones should be operated hands free to extent feasible. Sanitize your phone on a regular basis. Disinfection should also take place whenever suspected contaminated material comes in contact with any work surfaces/areas. Wash hands or use hand sanitizer immediately after. • Avoid public spaces and going out to eat by bringing your own lunch to the Site. If performing work in high density urban areas, it is recommended all food must be consumed at or in your vehicle. Wash hands or use hand sanitizer before eating and immediately after.

Primary Infection Prevention Measures

- Wash your hands often with soap and water for at least 20 seconds.
  - If soap and water are not available, use an alcohol-based sanitizer that contains at least 60% ethanol or 70% isopropanol. Key times to wash hands include after blowing your nose, coughing or sneezing, after using the restroom, and before eating or preparing food.
- Do not touch your eyes, face, nose and mouth with unwashed hands.
- Cover your mouth and nose with a tissue when you cough or sneeze or use the inside of your elbow. Throw potentially contaminated items (e.g. used tissues) in the trash.
- Avoid close contact/secondary contact with people and potentially contaminated surfaces.
  - Apply appropriate social distance (6+ feet).
  - Stop handshaking/touching others and use caution when accessing public spaces.
- Clean and disinfect frequently touched surfaces daily. Commonly touched items can include but are not limited to tables, doorknobs, light switches, countertops, handles, desks, phones, keyboard, toilets, sinks and field equipment. If surfaces are dirty, they should be cleaned with soap and water prior to disinfection. If surface cannot be cleaned/disinfected, then wash hands or use sanitizer as soon as possible.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.

[2] A hazard is a potential danger. Break hazards into six types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy source – electricity, pressure, compression/tension.

[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

APPENDIX C

How to Remove Gloves

How to Remove Gloves

To protect yourself, use the following steps to take off gloves

1



Grasp the outside of one glove at the wrist. Do not touch your bare skin.

2



Peel the glove away from your body, pulling it inside out.

3



Hold the glove you just removed in your gloved hand.

4



Peel off the second glove by putting your fingers inside the glove at the top of your wrist.

5



Turn the second glove inside out while pulling it away from your body, leaving the first glove inside the second.

6



Dispose of the gloves safely. Do not reuse the gloves.

7



Clean your hands immediately after removing gloves.

APPENDIX E

Personal Protective Equipment (PPE) Management Program

PERSONAL PROTECTIVE EQUIPMENT MANAGEMENT PROGRAM

CORPORATE HEALTH AND SAFETY MANAGER	:	**Brian Hobbs, CIH, CSP**
EFFECTIVE DATE	:	**01/19**
REVISION NUMBER	:	**4**

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1. PURPOSE

Roux Associates, Inc. and its affiliated companies, Roux Environmental Engineering and Geology, D.P.C, and Remedial Engineering (collectively, "Roux") has instituted the following program to establish guidelines for the selection of personal protective equipment (PPE) for use by Roux personnel performing field activities in hazardous environments. PPE is not meant to be a substitute for engineering, work practice, and/or administrative controls, but PPE should be used in conjunction with these controls to protect the employees in the work place. Clothing, body coverings, and other accessories designed to prevent worker exposure to workplace hazards are all types of PPE. To ensure adequate PPE employee-owned PPE is evaluated on a case-by-case basis to insure its adequacy, maintenance and sanitation.

2. SCOPE AND APPLICABILITY

These guidelines apply to all PPE selection decisions to be made in implementing the Roux program. The foundations for this program are the numerous Occupational Health and Safety Administration (OSHA) standards related to PPE cited in 29 CFR 1910 Subpart I, 29 CFR 1926 Subpart E, and the hazardous environment work employee protection requirements under the OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) standard at 29 CFR 1910.120 and 1926.65. To ensure hazard assessments are documented the levels of protection, types of protection and tasks requiring protection are covered in site-specific Health and Safety Plans (HASPs) and Job Safety Analyses (JSAs).

3. PROCEDURES

Due to the varied nature of site activities and the different potential hazards associated with different sites, several aspects must be considered when selecting PPE. The following text describes PPE selection logic and provides guidelines and requirements for the appropriate selection and use of PPE.

3.1 Introduction

To harm the body, chemicals must first gain entrance. The intact skin and the respiratory tract are usually the first body tissues attacked by chemical contaminants. These tissues provide barriers to some chemicals but in many cases, are damaged themselves or are highly permeable by certain chemical compounds. Personal protective equipment therefore is used to minimize or eliminate chemical compounds coming into contact with these first barrier tissues.

The proper selection of equipment is important in preventing exposures. The PM making the selection will have to take several factors into consideration. The level of protection, type and kind of equipment selected depends on the hazardous conditions and in some cases cost, availability, compatibility with other equipment, and performance. An accurate assessment of all these factors must be made before work can be safely carried out.

3.2 Types of PPE

The type and selection of PPE must meet certain general criteria and requirements as required under OSHA 29 CFR 1910.132 and 1926.95. In addition to these general requirements, specific requirements and specifications exist for some types of PPE that form the basis of the protective clothing scheme. Following is a list of the common types of specific PPE and the specific requirements for the PPE type, where applicable:

1. Hard Hats - Regulated by 29 CFR 1910.135 and 1926.100; and, specified in ANSI Z89.1.

2. Face Shields and Safety Glasses - Regulated by 29 CFR 1910.133 and 1926.102; and, specified in ANSI Z87.1.
3. Respiratory Protection - Regulated by 29 CFR 1910.134 and 1926.103.
4. Hand Protection - Not specifically regulated.
5. Foot Protection - Regulated by 29 CFR 1910.136 and 1926.96; and, specified in ANSI Z41.1.
6. Protective Clothing (e.g., fully encapsulated suits, aprons) - Not specifically regulated.

3.3 Protective Clothing Selection Criteria

3.3.1 Chemicals Present

The most important factor in selecting PPE is the determination of what chemicals the employee may be exposed to. On field investigations, the number of chemicals may range from a few to several hundred. The exact chemicals or group of chemicals present at the site (certain groups tend to require similar protection) can be determined by collecting and analyzing samples of the air, soil, water, or other site media. When data are lacking, research into the materials used or stored at the site can be used to infer chemicals possibly on the site.

Once the known or suspected chemicals have been identified, and taking into consideration the type of work to be performed, the most appropriate clothing shall be selected.

Protective garments are made of several different substances for protection against specific chemicals. There is no universal protective material. All will decompose, be permeated by, or otherwise fail to protect under given circumstances. Fortunately, most manufacturers make guides to the use of their products (i.e., Dupont's Tyvek™ Permeation Guide). These guides are usually for gloves and coveralls and typically provide information regarding chemical degradation rates (failure of the material to maintain structural integrity when in contact with the chemical), and may provide information on the permeation rate (whether or not the material allows the chemical to pass through). When permeation tables are available, they shall be used in conjunction with degradation tables to determine the most appropriate protective material.

During most site work, chemicals are usually in mixed combinations and the protective materials are not in continuous contact with pure chemicals for long periods of time; therefore, the selected material may be adequate for the particular chemical and type of work being performed, yet not the "best" protecting material for all site chemicals and activities. Selection shall depend upon the most hazardous chemicals based on their hazards and concentrations. Sometimes layering, using several different layers of protective materials, affords the best protection.

3.3.2 Concentration of the Chemical(s)

One of the major criteria for selecting protective material is the concentration of the chemical(s) in air, liquid, and/or solid state. Airborne and liquid chemical concentrations should be compared to the OSHA standards and/or American Conference of Governmental Industrial Hygienists (ACGIH) and National Institute for Occupational Safety and Health (NIOSH) guidelines to determine the level of skin or other absorptive surface (e.g., eyes) protection needed. While these standards are not designed specifically for skin exposed directly to the liquid, they may provide skin designations indicative of chemicals known to have significant skin or dermal absorption effects. For example, airborne levels of PCB on-site may be

low because it is not very volatile, so the inhalation hazard may be minimal; however, PCB-containing liquid coming in direct contact with the skin may cause overexposure. Thus, PCB has been assigned a skin designation in both the OSHA and ACGIH exposure limit tables.

3.3.3 Physical State

The characteristics of a chemical may range from nontoxic to extremely toxic depending on its physical state. Inorganic lead in soil would not be considered toxic to site personnel, unless it became airborne, since it is generally not absorbed through the intact skin. Organic lead in a liquid could be readily absorbed. Soil is frequently contaminated with hazardous materials. Concentrations will vary from a few parts per million to nearly one hundred percent. The degree of hazard is dependent on the type of soil and concentration of the chemical. Generally speaking, "dry" soils do not cause a hazard to site personnel if they take minimal precautions such as wearing some type of lightweight gloves.

3.3.4 Length of Exposure

The length of time a material is exposed to a chemical increases the probability of breakthrough. Determinations of actual breakthrough times for short-term exposures indicate that several different materials can be used which would be considered inadequate under long-term exposures. It should be kept in mind that during testing, a pure (100% composition) liquid is usually placed in direct contact with the material producing a worst-case situation.

3.3.5 Abrasion

When selecting protective clothing, the job the employee is engaged in must be taken into consideration. Persons moving drums or performing other manual tasks may require added protection for their hands, lower chest and thighs. The use of leather gloves and a heavy apron over the other normal protective clothing will help prevent damage to the normal PPE and thus reduce worker exposures.

3.3.6 Dexterity

Although protection from skin and inhalation hazards is the primary concern when selecting PPE, the ability to perform the assigned task must be maintained. For example, personnel cannot be expected to perform work that requires fine dexterity if they must wear a thick glove. Therefore, the PPE selection process must consider the task being performed and provide PPE alternatives or techniques that allow dexterity to be maintained while still protecting the worker (e.g., wearing tight latex gloves over more bulky hand protection to increase dexterity).

3.3.7 Ability to Decontaminate

If disposable clothing cannot be used, the ability to decontaminate the materials selected must be taken into consideration. Once a chemical contacts the material, it must be cleaned before it can be reused. If the chemical has completely permeated the material, it is unlikely that the clothing can be adequately decontaminated and the material should be discarded.

3.3.8 Climactic Conditions

The human body works best with few restraints from clothing. Protective clothing adds a burden by adding weight and restricting movement as well as preventing the natural cooling process. In severe situations, a modified work program must be used.

Some materials act differently when they are very hot and very cold. For example, PVC becomes almost brittle in very cold temperatures. If there are any questions about the stability of the protective materials under different conditions, the manufacturer should be contacted.

3.3.9 Work Load

Like climactic conditions, the type of work activity may affect work duration and the ability or personnel to perform certain tasks. Similarly, the amount of protective materials a person wears will affect their ability to perform certain tasks. For example, a person in a total encapsulating suit, even at 72 ^{o}F, cannot work for more than a short period of time without requiring a break.

The work schedule should be adjusted to maintain the health of the employees. Special consideration should be given to the selection of clothing that both protects and adds the least burden when personnel are required to perform strenuous tasks. Excessive bodily stress frequently represents the most significant hazard encountered during field work.

3.4 Types of Protective Materials

1. Cellulose or Paper
2. Natural and Synthetic Fibers
    a. Tyvek™
    b. Nomex™
3. Elastomers
    a. Polyethylene
    b. Saran
    c. Polyvinyl Chloride (PVC)
    d. Neoprene
    e. Butyl Rubber
    f. Viton

3.5 Protection Levels

3.5.1 Level A Protection

Level A protection (a fully encapsulated suit) is used when skin hazards exist or when there is no known data that positively rule out skin and other absorption hazards. Since Level A protection is extremely physiologically and psychologically stressful, the decision to use this protection must be carefully considered. At no time will Level A work be performed without the consent of the OM. The following conditions suggest a need for Level A protection:

- confined facilities where probability of skin contact is high;
- sites containing known skin hazards;
- sites with no established history to rule out skin and other absorption hazards;
- atmosphere immediately dangerous to life and health (IDLH) through the skin absorption route;
- site exhibiting signs of acute mammalian toxicity (e.g., dead animals, illnesses associated with past entry into site by humans);

- sites at which sealed drums of unknown materials must be opened;
- total atmospheric readings on the Photoionization Detector (PID), Flame Ionization Detector (FID), and similar instruments indicate 500 to 1,000 ppm of unidentified substances; and
- extremely hazardous substances (e.g., cyanide compounds, concentrated pesticides, Department of Transportation Poison "A" materials, suspected carcinogens and infectious substances) are known or suspected to be present and skin contact is possible.

The following items constitute Level A protection:

- open circuit, pressure-demand self-contained breathing apparatus (SCBA);
- totally encapsulated suit;
- gloves, inner (surgical type);
- gloves, outer;
- chemical protective;
- boots, chemical protective, steel toe and shank;
- radiation detector (if applicable); and
- communications.

3.5.2 Level B Protection

Level B protection is utilized when the highest level of respiratory protection is needed but hazardous material exposure to the few unprotected areas of the body is unlikely.

The following conditions suggest a need for Level B protection:

- the type and atmospheric concentration of toxic substances have been identified and they require the highest level of respiratory protection;
- IDLH atmospheres where the substance or concentration in the air does not present a severe skin hazard;
- the type and concentrations of toxic substances do not meet the selection criteria permitting the use of air purifying respirators; and
- it is highly unlikely that the work being done will generate high concentrations of vapors, gases or particulates, or splashes of materials that will affect the skin of personnel.

Personal protective equipment for Level B includes:

- open circuit, pressure-demand SCBA;
- chemical protective clothing:
- overalls and long-sleeve jacket; or
- coveralls;
- gloves, inner (surgical type); gloves, outer, chemical protective;
- boots, chemical protective, steel toe and shank; and
- communications optional.

3.5.3 Level C Protection

Level C protection is utilized when both skin and respiratory hazards are well defined and the criteria for the use of negative pressure respirators have been fulfilled (i.e., known contaminants and contaminant concentrations, acceptable oxygen levels, approved filter/cartridge available, known cartridge service life, etc.). Level C protection may require carrying an emergency escape respirator during certain initial entry and site reconnaissance situations, or when applicable thereafter.

Personal protective equipment for Level C typically includes:

- full facepiece air-purifying respirator;
- emergency escape respirator (optional);
- chemical protective clothing:
  - overalls and long-sleeved jacket; or
  - coveralls;
- gloves, inner (surgical type);
- gloves, outer, chemical protective; and
- boots, chemical protective, steel toe and shank.

3.5.4 Level D Protection

Level D is the basic work uniform. Personal protective equipment for Level D includes:

- coveralls;
- safety boots/shoes;
- eye protection;
- hand protection;
- reflective traffic safety vest (mandatory for traffic areas or railyard);
- hard hat (with face shield is optional); and
- emergency escape respirator is optional.

3.5.5 Level E Protection

Level E protection is used when radioactivity above 10 mr/hr is detected at the site. Personal protective equipment for Level E includes:

- coveralls;
- air purifying respirator;
- time limits on exposure;
- appropriate dermal protection for the type of radiation present; and
- radiation dosage monitoring.

3.5.6 Additional Considerations

Field work will contain a variety of situations due to chemicals in various concentrations and combinations. These situations may be partially ameliorated by following the work practices listed below:

1. Some sort of foot protection is needed on a site. If the ground to be worked on is contaminated with liquid and it is necessary to walk in the chemicals, some sort of protective "booties" can be worn over the boots. This cuts down on decontamination requirements. They are designed with soles to help prevent them from slipping around. If non-liquids are to be encountered, a Tyvek™ bootie could be used. If the ground contains any sharp objects, the advantage of booties is questionable. Boots should be worn with either cotton or wool socks to help absorb the perspiration.

2. If the site situation requires the use of hard hats, chin straps should be used if a person will be stooping over where his/her hat may fall off. Respirator straps should not be placed over the hard hats. This will affect the fit of the respirator.

   Some types of protective materials conduct heat and cold readily. In cold conditions, natural material clothing should be worn under the protective clothing. Protective clothing should be removed prior to allowing a person "to get warm". Applying heat, such as a space heater, to the outside of the protective clothing may drive the contaminants through. In hot weather, under clothing will absorb sweat. It is recommended that workers use all cotton undergarments.

3. Body protection should be worn and taped to prevent anything from running into the top of the boot. Gloves should be worn and taped to prevent substances from entering the top of the glove. Duct tape is preferred, but masking tape can be used. When aprons are used, they should be taped across the back for added protection. However, this should be done in such a way that the person has mobility.

4. Atmospheric conditions such as precipitation, temperature, wind direction, wind velocity, and pressure determine the behavior of contaminants in air or the potential for volatile material getting into the air. These parameters should be considered in determining the need for and the level of protection.

5. A program must be established for periodic monitoring of the air during site operations. Without an air monitoring program, any changes would go undetected and might jeopardize response personnel. Monitoring can be done with various types of air pumps and filtering devices followed by analysis of the filtration media; personnel dosimeters; and periodic walk-throughs by personnel carrying real-time survey instruments.

6. For operations in the exclusion zone, different levels of protection may be selected, and various types of chemical-resistant clothing may be worn. This selection should be based on the job function, reason for being in the area, and the potential for skin contact with, or inhalation of, the chemicals present.

7. Escape masks must be readily available when levels of respiratory protection do not include a SCBA and the possibility of an IDLH atmosphere exists. Their use can be made on a case-by-case basis. Escape masks could be strategically located at the site in areas that have higher possibilities of vapors, gases or particulates.

APPENDIX F

Subsurface Utility Clearance Management Program

SUBSURFACE UTILITY CLEARANCE MANAGEMENT PROGRAM

CORPORATE HEALTH AND SAFETY MANAGER	**:**	**Brian Hobbs, CIH, CSP**
EFFECTIVE DATE	**:**	**01/19**
REVISION NUMBER	**:**	**2**

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Appendix D – Utility Verification/Site Walkthrough Record

1. PURPOSE

Roux Associates, Inc. and its affiliated companies, Roux Environmental Engineering and Geology, D.P.C, and Remedial Engineering (collectively, "Roux") has instituted the following program for completing proper utility mark-outs and for conducting subsurface clearance activities. This establishes a method to ensure, to the greatest extent possible, that utilities have been identified and contact and/or damage to underground utilities and other subsurface structures will be avoided.

2. SCOPE AND APPLICABILITY

The Subsurface Utility Clearance Management Program applies to all Roux employees, its contractors and subcontractors. Employees are expected to follow this program for all intrusive work involving Roux or other personnel (e.g., contractors/subcontractors) working for Roux unless the client's requirements are more stringent. Deviation from the program regardless of the specific work activity or work location must be pre-approved based on client's site knowledge, site experience and client's willingness for the use of this program. Any and all exceptions shall be documented and pre-approved by the Project Principal and the Office Manager.

3. PROCEDURES

3.1 Before Intrusive Activities

During the project kick-off meeting for intrusive activities the PM will review the Roux Subsurface Utility Clearance Checklist and Utility Verification (Appendix C) / Site Walkthrough Record (Appendix D) and the below bullet points with the project field team:

(Please note that these are intended as general reminders only and should not be solely relied upon.)

- Ensure the Mark-out / Stake-out Request Information Sheet (or one-call report) is complete and accurate for the site including address and cross streets and review for missing utilities. (Note: utility mark-out organizations do not have contracts with all utilities and it is often necessary to contact certain utilities separately such as the local water and sewer authorities).
- Have written confirmation prior to mobilizing to the site that the firm or Roux personnel performing the intrusive activity has correctly completed the mark-out notification process including requesting mark-outs, waiting for mark-outs to be applied to ground surfaces at the site, and receiving written confirmation of findings (via fax or email) from utility operators for all known or suspected utilities in the proposed area of intrusive activity, and provided utility owner written confirmation to Roux personnel for review and project files documentation.
- Do not begin any intrusive activity until all utilities mark-out has been completed (i.e., did all utilities mark-out the site?) and any unresolved mark-out issues are finalized. Perform a site walk to review the existing utilities and determine if said utilities have been located by the utility locators.

  (Note: The Tolerance Zone is defined as two feet plus half of the diameter or half of the greatest dimension (for elliptical sewers, duct banks and other non-cylindrical utilities) of a utility and two feet from the outside edge of any subsurface structure.)
- Install Pre-Clearance exploratory test holes (e.g., hand-dug test holes or other soft digging techniques) for the first 5-ft below land surface (BLS) at each location prior to conducting mechanized intrusive activities. The size of the pre-clearance exploratory test hole should be at a minimum twice the diameter of any downhole tool or boring device. (Note: Pre-Clearance exploratory test holes should be defined in the SOW/proposal provided to the client to prevent project delays and to allow adequate time for PM and PP to evaluate alternative approaches for the project. Alternative approaches will need to be pre-approved by the OM.

- For excavations, all utilities need to be marked and then exposed by hand following the protocols in this program. Pre-clearing for excavations may be performed by the "moat" technique (i.e., soft digging around the perimeter). In these cases, dig in small lifts (<12" for first 5 feet) using a dedicated spotter.) For Tolerance Zone work, unless otherwise agreed upon with the Utility Operator, work within the tolerance zone requires verification by means of hand-dug test holes performed to expose the utility. Once structures have been verified a minimum clearance of two feet must be maintained between the utility and any powered equipment.
- In addition, the following activities should be conducted:
  - Review the work scope to be performed with the site owner/tenant to determine if it may impact any utilities;
  - Attempt to procure any utility maps or historic drawings of subsurface conditions of the site;
  - **Determine the need for utility owner companies to be contacted or to have their representatives on site**;
  - Where mark-outs terminate at the property boundary, consider the use of private utility locating / GPR / geophysical-type services which may be helpful in locating utilities. Use of private utility locating firms, however, does not eliminate the legal requirement for the Excavator firm to submit a request for Public Utility Mark-outs. Also, the information provided by the service may be inaccurate and unable to locate subsurface utilities and structures in urban areas, landfills, urban fill areas and below reinforced slabs, etc. They should not be relied upon as the only means of performing utility clearance;
  - Documented description of the dig site which is included in the projects Health and Safety Plan (HASP) and one call report will be maintained in the field and distributed amongst Roux personnel its contractors and subcontractors; and
  - Documentation of the actual placement of mark outs in the field shall be collected using dated pictures, videos and/or sketches with distance from markings to fixed objects. All documentation shall be maintained within the project file.

3.2 During Intrusive Activities

The PM, field team lead or personnel performing oversight is to:

- Ensure the mark-out remains valid. (In certain states there are limits regarding the duration of time after the mark-out was applied to the ground surface work can be started or interrupted.) Additionally, the mark-outs must be maintained, documented, and in many cases refreshed periodically to be considered valid, this will be accomplished through calls to the one call center.
- Ensure intrusive activities are only performed within the safe boundaries of the mark-out as detailed in the One-Call Report.
- Halt all work if intrusive activities have resulted in discovery of an unmarked utility. Roux personnel shall notify the facility owner/operator and the one call center. All incidents such as this will be reported as per Roux Incident Investigation and Reporting Management Program.
- Halt all work if intrusive activities must take place outside of the safe boundaries of a mark-out and only proceed after new mark-outs are performed.
- Halt the intrusive activities and immediately consult with the PP if an unmarked utility is encountered.
- Completing any subsurface utility clearance incident reports that are necessary.

- If a utility cannot be found as marked Roux personnel shall notify the facility owner/operator directly or through the one call center. Following notification, the excavation may continue, unless otherwise specified in state law.
- Contractors/subcontractors must contact the one-call center to refresh the ticket when the excavation continues past the life of the ticket. Ticket life shall be dictated by state law however at a maximum ticket life shall not exceed 20 working days.

3.3 Stop Work Authority

Each Roux employee has Stop Work Authority which he or she will execute upon determination of any imminent safety hazard, emergency situation, or other potentially dangerous situation, such as hazardous weather conditions. This Stop Work Authority includes subsurface clearance issues such as the adequacy of a mark-out or identification during intrusive operations of an unexpected underground utility. Authorization to proceed with work will be issued by the PM/PP after such action is reviewed and resolved. The PM will initiate and execute all management notifications and contact with emergency facilities and personnel when this action is appropriate.

Appendix A - Definitions

Intrusive Work Activities	All activities such as digging or scraping the surface, including but not limited to, excavation, test pitting or trenching, soil vapor sampling or the installation of soil borings, soil vapor monitoring points and wells, or monitoring wells, and drilling within the basement slab of a recently demolished building.
Mark-out / Stake Out	The process of contracting with a competent and qualified company to confirm the presence or absence of underground utilities and structures. This process will clearly mark-out and delineate utilities that are identified so that intrusive work activities can be performed without causing disturbance or damage to the subsurface utilities and structures. After utility mark-outs are completed the soft digging will be completed prior to intrusive work.
Tolerance Zone	Defined as two feet on either side of the designated centerline of an identified utility, plus half of the diameter or half of the greatest dimension (for elliptical sewers, duct backs and other non-cylindrical utilities) of that utility and two feet from the outside edge of any subsurface structure.
Structure	For the purpose of this program a structure is defined as any underground feature that may a present potential source(s) of energy such as, but not limited to, utility vaults, bunkers, piping, electrical boxes, wires, conduits, culverts, utility lines, underground tanks and ducts.
Soft Digging	The safest way to remove material from unknown obstructions or services is by using tools such as a vactor or air knife, non-mechanical tools, or hand tools. The methods are clean and non-evasive and used for uncovering and exposing buried services, excavating and for providing a quick method of soil removal from sensitive areas.
Verification	Exploratory test-hole dug with hand tools within the Tolerance Zone to expose and verify the location, type, size, direction-of-run and depth of a utility or subsurface structure. Vacuum excavation (soft dig) methods can further facilitate exposure of a subsurface utility and accurately provide its location and identification prior to intrusive work approaching the Tolerance Zone.

Appendix B - Example of Completed One Call Report

Example Completed One-Call Report

New York 811

Send To: C_EMAIL Seq No: 744

Ticket No: 133451007 ROUTINE

Start Date: 12/16/13 Time: 7:00 AM Lead Time: 20

State: NY County: QUEENS Place: QUEENS
Dig Street: 46TH AVE Address:
Nearest Intersecting Street: VERNON BLVD
Second Intersecting Street: 11TH ST

Type of Work: SOIL BORINGS
Type of Equipment: GEOPROBE
Work Being Done For: ROUX

In Street: X On Sidewalk: X Private Property: Other:
On Property Location if Private: Front: Rear: Side:

Location of Work: MARK THE ENTIRE NORTH SIDE OF THE STREET AND SIDEWALK OF: 46TH AVE BETWEEN VERNON BLVD AND 11TH STREET

Remarks:

Nad: Lat: Lon: Zone:
ExCoord NW Lat: 40.7475399 Lon: -73.9534811 SE Lat: 40.7457406 Lon: -73.9493680

Company : ZEBRA ENVIROMENTAL Best Time: 6AM-5PM
Contact Name: DAVID VINES Phone: (516)596-6300
Field Contact: DAVID VINES Phone: (516)596-6300
Caller Address: 30 N PROSPECT AVE Fax Phone: (516)596-4422
LYNBROOK, NY 11563
Email Address: david@zebraenv.com

Additional Operators Notified:
ATTNY01 AT&T CORPORATION (903)753-3145
CEQ CONSOLIDATED EDISON CO. OF N.Y (800)778-9140
MCINY01 MCI (800)289-3427
PANYNJ01 PORT AUTHORITY OF NY & NJ (201)595-4841
VZQ VERIZON COMMUNICATIONS (516)297-1602

Link to Map for C_EMAIL: http://ny.itic.occinc.com/XGMZ-DF2-L23-YAY

Original Call Date: 12/11/13 Time: 1:15 PM Op: webusr
IMPORTANT NOTE: YOU MUST CONTACT ANY OTHER UTILITIES DIRECTLY

Appendix C - Roux Subsurface Utility Clearance Checklist

Roux Subsurface Utility Clearance Checklist ***Date of Revision – 12/3/14***

Work site set-up and work execution

ACTIVITY	Yes	No	N/A	COMMENTS INCLUDING JUSTIFICATION IF RESPONSE IS NO OR NOT APPLICABLE
Daily site safety meeting conducted, SPSAs performed, JSAs reviewed, appropriate work permits obtained.				
HASP is available and reviewed by site workers / visitors.				
Subsurface Utility Clearance Procedure has been reviewed with all site workers.				
Work area secured; traffic control established as needed. Emergency shut-off switch located. Fire extinguishers / other safety equipment available as needed.				
Utility mark-outs (public / private) clear and visible. Provide Excavator's Stake-Out Reference Number / Request Date / Time.				
Tolerance zone work identified.				
Work execution plan reviewed and adhered to (ground disturbance methods, clearance depths, any special utility protection requirements, or any other execution requirements; especially for Tolerance Zone work).				
Verbal endorsement received from Roux PM for any required field deviations to work execution plan.				

Key reminders for execution:

The Subsurface Utility Clearance Protocol should be referenced to determine all requirements while executing subsurface work. The bullet points below are intended as general reminders only and should not be solely relied upon.

- Tolerance zone is defined as two feet plus half of the diameter or half of the greatest dimension (for elliptical sewers, duct banks and other non-cylindrical utilities) of a utility and two feet from the outside of any subsurface structure.
- Install Pre-Clearance exploratory test holes (e.g., hand-dug test holes or vacuum excavation) must be performed for the first five feet below land surface (BLS) at each location prior to conducting mechanized intrusive activities. The size of the pre-clearance exploratory test hole should be at a minimum twice the diameter of any downhole tool or boring device. (Note: Pre-clearance exploratory test holes should be defined in the SOW/proposal provided to the client to prevent project delays and to allow adequate time for PM and PP to evaluate alternative approaches for the project. Alternate approaches will need to be pre-approved by the OM.
- For excavations, all utilities need to be marked and then exposed by hand following the protocols in this program. Pre-clearing for excavations may be performed by the "moat" technique (i.e., soft

digging around the perimeter). In these cases, dig in small lifts (<12" for first five feet) using a dedicated spotter.) For Tolerance Zone work, unless otherwise agreed upon with the Utility Operator, work within the tolerance zone requires verification by means of hand-dug test holes to expose the utility. Once structures have been verified a minimum clearance of two feet must be maintained between the utility and any powered equipment.

Appendix D - Utility Verification/Site Walkthrough Record

Employee Name: _____

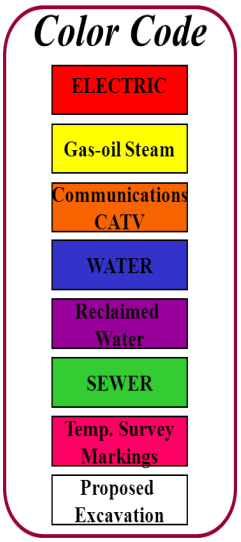
Date: _____

Instructions: For each utility suspected at the job site, indicate location on the job site, approximate burial depth, and means of detecting the utility. Leave blank if that utility is not believed to be present.

Utility	Description of Utility Location Identified Onsite	Approx. Depth (bls)	Method / Instrumentation used to determine Utility Location	Utility Owner Response (Date/Time)	Mark Out Indicates (Clear / Conflict)
Electrical Lines					
Gas Lines					
Pipelines					
Steam Lines					
Water Lines					
Sanitary and Stormwater Sewer lines					
Pressured Air-Lines					
Tank Vent Lines					
Fiber Optic Lines					
Underground Storage Tanks					
Phone Lines/ Other					

* bls - below land surface

Site Sketch Showing Utilities:



Other Comments / Findings:

Completed by: _____

Signature: _____ Date: _____

APPENDIX G

Heavy Equipment Exclusion Zone Policy

HEAVY EQUIPMENT EXCLUSION ZONE MANAGEMENT PROGRAM

CORPORATE HEALTH AND SAFETY MANAGER	:	**Brian Hobbs, CIH, CSP**
EFFECTIVE DATE	:	**01/2019**
REVISION NUMBER	:	**1**

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1. PURPOSE

The purpose of the Exclusion Zone Management Program is to establish the minimum clearance distance that must be maintained between workers and heavy equipment while equipment is in operation (i.e., engaged or moving). The intent is to have no personnel or equipment entering the Exclusion Zone while the equipment is in operation or moving to ensure that Roux and Subcontractor employees are not unnecessarily exposed to the hazards of the equipment.

2. SCOPE AND APPLICABILITY

This Management Program applies to all Roux Associates, Inc. and its affiliated companies, Roux Environmental Engineering and Geology, D.P.C, and Remedial Engineering (collectively, "Roux") employees and their subcontractors who are performing field work and are potentially exposed to heavy equipment. For the purpose of this program, heavy equipment includes, but is not necessarily limited to: excavation equipment, drill rigs, vacuum trucks, forklifts, lull telehandlers, man lifts, bobcats, delivery trucks, etc.

3. PROCEDURES

As specified in the following sections of this Program, an Exclusion Zones must be established and maintained during activities involving the movement/operation of heavy equipment. The Exclusion Zone requirements apply to all personnel on the site but are primarily focused on those personnel who are required to be working in the vicinity of the equipment. The exclusion zone is in effect when heavy equipment is moving or engaged (ex. movement of an arm or bucket of an excavator, rotation of an auger, lifting of a load with a forklift, raising/lowering of a man lift, etc.).

1. The Exclusion Zone must meet the following minimum requirements:
   - A minimum distance of 10 feet from all heavy equipment and loads being moved by the equipment;
   - Greater than the swing/reach radius of any moving part on the heavy equipment (i.e., for large equipment this may mean an exclusion zone distance larger than 20 feet);
   - Greater than the tip-over distance of the heavy equipment; and
   - Greater than the radius of blind spots.

   The size of the Exclusion Zone will need to be determined on a task-specific basis considering the size of the heavy equipment in use and the task being performed. Prior to all heavy equipment operations, the Exclusion Zone(s) distance must be specifically identified in the Job Safety Analysis (JSA).
2. The spotter (or another individual) should be assigned responsibility for enforcing the Exclusion Zone. The spotter should be positioned immediately outside of the Exclusion Zone within a clear line of sight of the equipment operator. The spotter must signal the operator to stop work if anyone or anything has the potential to enter or compromise the Exclusion Zone. The operator should stop work if the spotter is not within his/her line of sight. If multiple pieces of equipment are being used, each piece of equipment must have its own Exclusion Zone and spotter. For large excavation and demolition projects the spotter should be in constant radio contact (not cell phone) with the machine driver.
3. If an individual must enter the Exclusion Zone, the designated Spotter must signal the Equipment Operator to stop the equipment. Once the equipment is no longer moving (ex. movement of an arm of an excavator is STOPPED, lifting of a load with a forklift STOPPED, raising/lowering of a man lift is

STOPPED, etc.), the operator must DISENGAGE THE CONTROLS and STOP and SIGNAL BY "SHOWING HIS HANDS". This signal will indicate that it is safe for the personnel to enter the limits of the Exclusion Zone to perform the required activity. The equipment must remain completely stopped/disengaged until all personnel have exited the limits of the Exclusion Zone and the designated Spotter has signaled by "SHOWING HIS HANDS" to the Equipment Operator that it is safe to resume operations.

4. When entering the limits of the Exclusion Zone, personnel must at a minimum:
   - Establish eye contact with the operator and approach the heavy equipment in a manner that is in direct line of sight to the Equipment Operator;
   - Never walk under any suspended loads or raised booms/arms of the heavy equipment; and
   - Identify a travel path that is free of Slip/Trip/Fall hazards.
5. The Exclusion Zone should be delineated using cones with orange snow fence or solid poles between the cones, barrels, tape or other measures. For work in rights-of-way rigid barriers, such as Jersey barriers or temporary chain link fence should be used. For certain types of wide-spread or moving/mobile equipment operations, such delineation may not be practicable around pieces of equipment or individual work areas. In such instances, it is expected that the entire operation will be within a larger secure work area or that additional means will be utilized to ensure security of the work zone.

All subcontractors who provide heavy equipment operations to field projects must implement a program that meets or exceeds the expectations described above as well as any additional requirements that may be required on a client or site-specific basis.

3.1 Exceptions

It is recognized that certain heavy equipment activities may require personnel to work within the limits of the Exclusion Zone as specified in this program. Such activities may include certain excavation clearance tasks, drill crew activities or construction tasks. However, any such activity must be pre-planned with emphasis on limiting the amount and potential exposure of any activity required within the zone. The critical safety steps to mitigate the hazards associated with working within the Exclusion Zone must be defined in the JSA and potentially other project-specific plans (i.e., critical lift plans, etc.), and approved by the Roux Project Principal and client representative, if required, prior to implementation.

4. TRAINING

Many Roux projects have different requirements that are client-specific or site-specific in nature. It is the responsibility of the Project Principal (or Project Manager if delegated this responsibility by the Project Principal) to ensure that the workers assigned to his/her projects are provided orientation and training with respect to these client and/or site-specific requirements.

APPENDIX B

Community Air Monitoring Plan

Community
Air Monitoring Plan

Greenpoint Ferry Site
127-141 West Street (aka 14-28 India Street and 1-45 Java Street)
Brooklyn, New York

NYSDEC BCP Site No. C224272

March 4, 2021

Prepared for:

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A. Action Limit Report

1. Introduction

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of Lendlease Development Inc., have developed a project specific Community Air Monitoring Plan (CAMP) to implement real time monitoring at the Site, which occupies upland portions of Block 2538, Tax Lot 1 and excluding the area of former Tax Lot 51 of Block 2543, during remedial construction activities.

The monitoring program will be implemented at all times during which earth disturbance or exterior demolition activities are occurring. The CAMP is designed to provide a measure of protection for the downwind community and on-Site workers not directly involved with the subject work activities from potential airborne contaminant releases as a direct result of remedial and construction activities. This plan is consistent with the New York State Department of Health's (NYSDOH) Generic Community Air Monitoring Plan guidance document. Figure B-1 shows example CAMP station locations at the Site; however, these locations will be subject to change daily based on Site logistics and weather conditions.

The specifics of the CAMP are presented in the following five sections:

- 1.1 VOC Monitoring Approach
- 1.2 Particulate Monitoring Approach
- 1.3 Special Requirement for Work Within 20 Feet of Potentially Exposed Individuals or Structures
- 1.4 Meteorological Monitoring Approach
- 1.5 Available Suppression Techniques

For demolition activities, work will be completed in work zones (see Figure 1 for example of a demolition work zone and associated CAMP monitoring station configuration).

1.1 VOC Monitoring Approach

Total VOC concentrations in air will be monitored continuously at a location downwind of the excavation or demolition activities during all intrusive activities. An upwind monitoring station will be set up adjacent to where the excavation or exterior demolition is occurring. One additional fixed monitoring station will be placed at the perimeter of the Site near the access to the active ferry terminal. The VOC monitoring equipment will be located at temporary monitoring stations established daily based on Site logistics and weather conditions. The monitoring work will be conducted using MiniRAE 3000 (or equivalent) portable VOC monitors, or similar type monitors, for all VOC monitoring. The equipment will be calibrated at least once daily using isobutylene as the calibration gas. One (1) upwind, one (1) downwind, and (1) fixed monitor (near the ferry terminal access) will be deployed each day. Example locations are Each monitoring unit is equipped with an audible alarm to indicate exceedance of the action levels (as defined below and summarized in Table 1).

The equipment is capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total VOCs at the downwind perimeter of the Site exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.
- If the ambient air concentration of total VOCs at the downwind perimeter of the Site persists at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source

of VOCs identified, suppression techniques employed to abate emissions, and monitoring continued. After these steps, work activities can resume if the total organic vapor level at the Site perimeter is below 5 ppm over the background concentration for the 15-minute average. If levels are in excess of 25 ppm above background, identified contributing ground-intrusive activities will be halted and vapor suppression techniques will be evaluated and modified until monitoring indicates VOC levels at the Site perimeter are below 5 ppm over background. Once VOC levels are below 5 ppm at the Site perimeter, work will resume with continued monitoring.

- All 15-minute readings will be recorded and available for State Regulator (NYSDEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes will be recorded. If an exceedance of the action level occurs, an Action Limit Report (ALR) will be completed, identifying the monitoring device location, the measured VOC level, the activity causing the exceedance, meteorological conditions, and the corrective actions taken, as provided in Appendix A. Additionally, the NYSDEC and NYSDOH will be notified within 24 hours of the VOC ALR generation. Daily monitoring equipment locations and meteorological conditions will also be documented on the daily CAMP Monitoring Location Plan. All documentation will be kept on file at the Site.

1.2 Particulate Monitoring, Response Levels and Actions

Particulate concentrations will be monitored continuously at temporary particulate monitoring stations set up at the sidewalk at upwind and downwind locations. One additional fixed monitoring station will be placed at the perimeter of the Site near the access to the active ferry terminal. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action levels (as defined below and summarized in Table 1). Monitoring equipment will be MIE Data Ram monitors or equivalent. A minimum of one upwind and one downwind monitor will be deployed each day, equipped with an omni-directional sampling inlet and a PM-10 sample head. The data logging averaging period will be set to 15-minutes with time and date stamp recording. Alarm averaging will be set at 90 micrograms per cubic meter ($\mu g/m^3$) per 15-minute period. This setting will allow proactive evaluation of Site conditions prior to reaching Action Levels of 100 $\mu g/m^3$ above background. The equipment will be outfitted with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration will be visually assessed during all work activities. The monitoring will be used to compare values to the following:

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

All 15-minute readings will be recorded and available for State Regulator (NYSDEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes will be recorded. If an exceedance of the action level occurs, an ALR will be completed, identifying the monitoring device location, the measured particulate concentration, the activity causing the exceedance, meteorological conditions, and the corrective actions taken, as provided in Appendix A. Daily monitoring equipment locations will also be documented on the daily CAMP Monitoring Location Plan. All documentation will be kept on file at the Site.

1.3 Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures

When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative pressure enclosures, or special ventilation devices will be considered to prevent exposures related to the work activities and to control dust and odors. Consideration will be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring should occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be pre-determined). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.

If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 µg/m^3, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 µg/m^3 or less at the monitoring point. Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, carbon monoxide) may also need to be monitored. Response levels and actions should be pre-determined, as necessary.

1.4 Meteorological Monitoring

Wind speed (estimated) and wind direction will be approximated based on field observations of on-Site personnel. Meteorological data consisting of temperature, barometric pressure, and relative humidity will be recorded in the field book based upon publically available information from local weather stations.

1.5 Available Suppression Techniques

Odor Control

Due to the nature of the project, with excavation occurring, the potential for generation of nuisance odors and the need for odor control may be necessary. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of all other complaints about the project.

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

Dust Control

Due to the nature of the project, the potential for generation of nuisance dust and the need for dust control may be necessary. Dust suppression will be achieved through the use of water for wetting excavation areas, if required. Water will be available on-site at suitable supply and pressure for use in dust control.

1.6 Reporting

All recorded monitoring data will be downloaded, and field logged periodically, including action limit reports (ALRs) (if any) and daily CAMP monitoring location plans. All records will be maintained onsite and available for NYSDEC/NYSDOH review. CAMP readings, including any exceedances, will be provided in the Daily Reports. The reason for exceedance, what was done to correct it, and whether it was effective will be included in these records. A summary of any action limit report will also be provided in the Monthly Reports. All CAMP monitoring records will be included in the overall Final Engineering Report that will be submitted to the NYSDEC and NYSDOH and will include all of the CAMP data collected, daily monitoring station location maps, and copies of the ALRs (if any). If an ALR is generated due to VOC or particulate exceedances, the NYSDEC and NYSDOH will be notified within 24 hours of the exceedance.

TABLE

1. Action Limit Summary for VOCs and Particulates

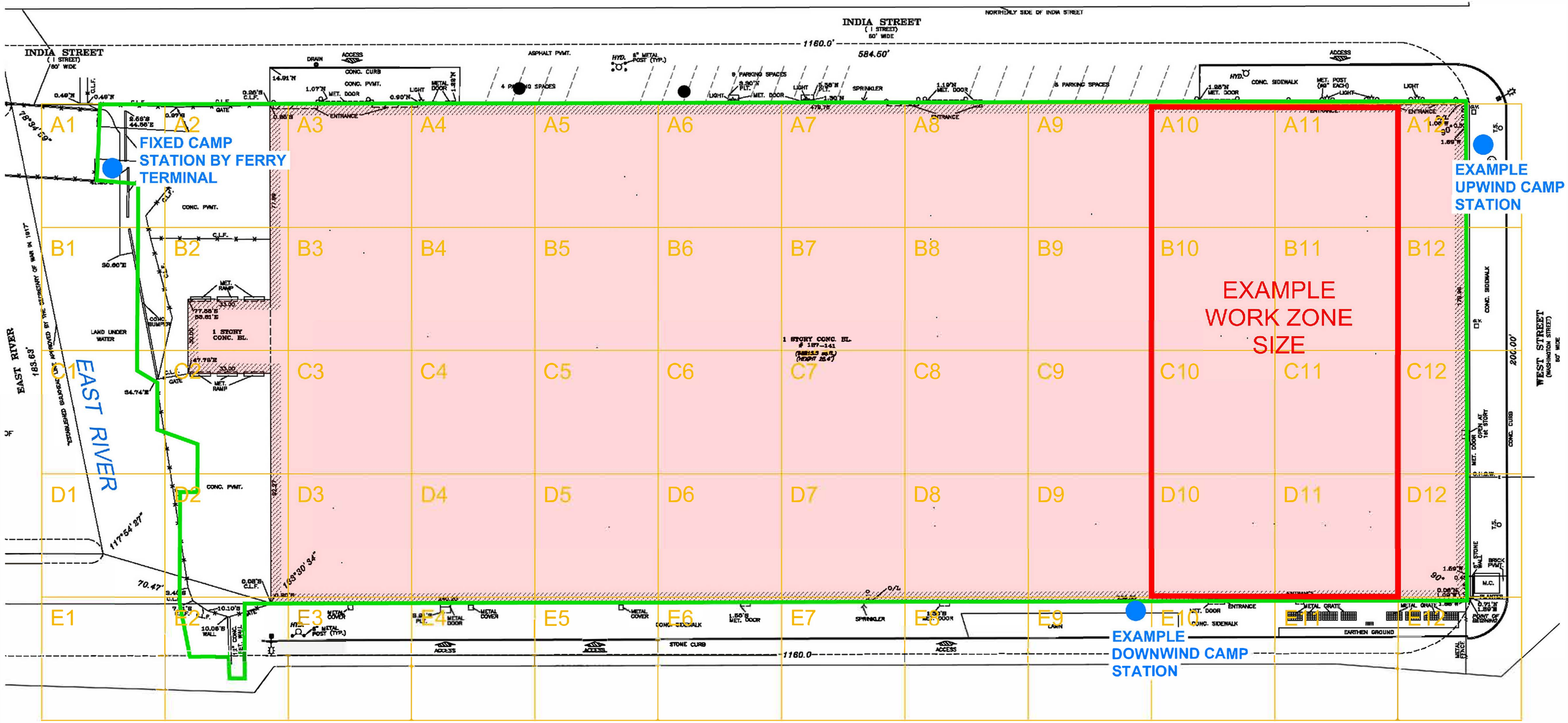
Table 1. Action Limit Summary for VOCs and Particulates, Greenpoint Ferry Site, Greenpoint, NY

Contaminant	Downwind Action Levels*	Action/Response
Volatile Organic Compounds (VOCs) (Monitoring Via Photoionization Detector and Odor Observation)	< 5 ppm	1. Resume work with continuing monitoring.
	5 ppm < level < 25 ppm	1. Work activities must be temporarily halted, source vapors must be identified, suppression techniques employed to abate emissions and monitoring continued. 2. After these steps, if VOC levels (200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or structure, whichever is less) is below 5 ppm over background, resume work.
	> 25 ppm	1. Identified contributing ground intrusive activities must be halted and vapor suppression techniques must be evaluated and modified until monitoring indicates VOC levels below the action level. 2. After these steps, if VOC levels (half the distance to the nearest potential receptor or structure) are below 5 ppm over background, resume work.
Particulates (Monitoring Via Particulate Meter and Observation)	< 100 ug/m^3	1. If dust is observed leaving the work area, then dust control techniques must be implemented or additional controls used.
	100 ug/m3 < level < 150 ug/m^3	1. Employ dust suppression techniques. 2. Work may continue with dust suppression techniques provided that downwind PM-10 particulate concentration do not exceed 150 ug/m^3 above the upwind level and provided that no visible dust is migrating from the work area.
	> 150 ug/m^3	1. STOP work 2. Re-evaluate activities, modify dust suppression techniques. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 ug/m^3 of the upwind level and in preventing visible dust migration.

* Instantaneous readings above background. Particulate readings are based on the respirable (PM-10) fraction. Background readings are taken at upwind locations relative to Work Areas or Exclusion Zones.

FIGURES

Site Plan Showing Example
CAMP Station Locations



LEGEND

- BCP SITE BOUNDARY
- CAMP STATION
- STRUCTURE TO BE DEMOLISHED
- 50 FT ALPHANUMERIC GRID

NOTE

1. BCP – BROWNFIELD CLEANUP PROGRAM
2. THE UPWIND AND DOWNWIND CAMP STATION LOCATION WILL VARY BASED ON SITE LOGISTICS AND WIND DIRECTION.
3. ONE ADDITIONAL AIR MONITORING STATION WILL BE PERMANENTLY PLACED AT THE PERIMETER OF THE SITE NEXT TO THE ACTIVE FERRY TERMINAL. THE LOCATION OF THIS STATION WILL NOT SHIFT BASED ON WIND DIRECTION.

40' 0 40'

N

Title:

SITE PLAN SHOWING EXAMPLE CAMP STATION LOCATIONS

1 JAVA STREET/GREENPOINT FERRY SITE

Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: R.H.	Date: 03MAY21	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	B-1
Project Mgr: J.W.	Project: 3583.0001Y000	
File: 3583.0001Y110.02.DWG		

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APPENDIX A

Action Limit Report

ACTION LIMIT REPORT

Project Location: Greenpoint Ferry Site
127-141 West Street (aka 14-28 India Street and 1-45 Java Street)
Brooklyn, New York

Date: _____ Time: _____

Name: _____

Contaminant: PM-10: _____ VOC: _____

Wind Speed: _____ Wind Direction: _____

Temperature: _____ Barometric Pressure: _____

DOWNWIND DATA

Monitor ID #: _____ Location: _____ Level Reported: _____

Monitor ID#: _____ Location: _____ Level Reported: _____

UPWIND DATA

Monitor ID #: _____ Location: _____ Level Reported: _____

Monitor ID#: _____ Location: _____ Level Reported: _____

BACKGROUND CORRECTED LEVELS

Monitor ID #: _____ Location: _____ Level Reported: _____

Monitor ID#: _____ Location: _____ Level Reported: _____

ACTIVITY DESCRIPTION

CORRECTIVE ACTION TAKEN

DECISION DOCUMENT

Greenpoint Ferry Site
Brownfield Cleanup Program
Brooklyn, Kings County
Site No. C224272
February 2022



Prepared by
Division of Environmental Remediation
New York State Department of Environmental Conservation

DECLARATION STATEMENT - DECISION DOCUMENT

Greenpoint Ferry Site
Brownfield Cleanup Program
Brooklyn, Kings County
Site No. C224272
February 2022

Statement of Purpose and Basis

This document presents the remedy for the Greenpoint Ferry site a brownfield cleanup site. The remedial program was chosen in accordance with the New York State Environmental Conservation Law and Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6 NYCRR) Part 375.

This decision is based on the Administrative Record of the New York State Department of Environmental Conservation (the Department) for the Greenpoint Ferry site and the public's input to the proposed remedy presented by the Department.

Description of Selected Remedy

The elements of the selected remedy are as follows:

1. Remedial Design
A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31. The major green remediation components are as follows:

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gases and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;
- Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;
- Maximizing habitat value and creating habitat when possible;
- Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals;
- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development; and
- Additionally, to incorporate green remediation principles and techniques to the extent feasible in the future development at this site, any future on-site buildings will include, at

a minimum, a 20-mil vapor barrier/waterproofing membrane on the foundation to improve energy efficiency as an element of construction.

2. Excavation
The existing on-site buildings will be demolished and materials which can't be beneficially reused on site will be taken off-site for proper disposal in order to implement the remedy.

Excavation and off-site disposal of contaminant source areas, including:

- soil exceeding the 6 NYCRR Part 371 hazardous criteria for lead;
- any underground storage tanks (USTs), fuel dispensers, underground piping or other structures associated with a source of contamination.

In addition, all on-site soils and historic fill which exceed restricted-residential and protection of groundwater SCOs, as defined by 6 NYCRR Part 375-6.8, in the upper two feet will be excavated and transported off-site for disposal. Approximately 1,600 cubic yards of contaminated soil is planned for removal.

3. Backfill
On-site soil which does not exceed the above excavation criteria or the protection of groundwater SCOs for any constituent may be used below the cover system described in remedy element 4 to backfill the excavation and establish the designed grades at the site. Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to replace the excavated soil or complete the backfilling of the excavation and establish the designed grades at the site.

4. Cover System
A site cover will be required to allow for restricted residential use of the site in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where a soil cover is to be used it will be a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.

5. Institutional Controls
Imposition of an institutional control in the form of an environmental easement for the controlled property which will:
- require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for restricted residential use or commercial use or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOHMH; and
- require compliance with the Department approved Site Management Plan.

6. Site Management Plan
A Site Management Plan is required, which includes the following:

a. An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

Institutional Controls: The Environmental Easement discussed in Paragraph 5 above.

Engineering Controls: The cover system discussed in Paragraph 4 above.

This plan includes, but may not be limited to:

- an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
- descriptions of the provisions of the environmental easement including any land use, and groundwater use restrictions;
- a provision for evaluation of the potential for soil vapor intrusion for any occupied buildings on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;
- a provision that should a building foundation or building slab be removed in the future, a cover system consistent with that described in Paragraph 4 above will be placed in any areas where the upper two feet of exposed surface soil exceed the applicable soil cleanup objectives (SCOs);
- provisions for the management and inspection of the identified engineering controls;
- maintaining site access controls and Department notification; and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b. A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
- monitoring of groundwater to assess the performance and effectiveness of the remedy;
- a schedule of monitoring and frequency of submittals to the Department;
- monitoring for vapor intrusion for any buildings on the site, as may be required by the Institutional and Engineering control plan discussed above.

c. An Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, inspection, and reporting of any mechanical or physical components of active vapor mitigation system(s), if needed. The plan includes, but is not limited to:

- procedures for operating and maintaining the system(s); and
- compliance inspection of the system to ensure proper O&M as well as providing the data for any necessary reporting.

Declaration

The remedy conforms with promulgated standards and criteria that are directly applicable, or that are relevant and appropriate and takes into consideration Department guidance, as appropriate. The remedy is protective of public health and the environment.

February 18, 2021

Date

Gerard Burke, Director
Remedial Bureau B

DECISION DOCUMENT

Greenpoint Ferry Site
Brooklyn, Kings County
Site No. C224272
February 2022

SECTION 1: SUMMARY AND PURPOSE

The New York State Department of Environmental Conservation (the Department), in consultation with the New York State Department of Health (NYSDOH), has selected a remedy for the above referenced site. The disposal of contaminants at the site has resulted in threats to public health and the environment that would be addressed by the remedy. The disposal or release of contaminants at this site, as more fully described in this document, has contaminated various environmental media. Contaminants include hazardous waste and/or petroleum.

The New York State Brownfield Cleanup Program (BCP) is a voluntary program. The goal of the BCP is to enhance private-sector cleanups of brownfields and to reduce development pressure on "greenfields." A brownfield site is real property, where a contaminant is present at levels exceeding the soil cleanup objectives or other health-based or environmental standards, criteria or guidance, based on the reasonably anticipated use of the property.

The Department has issued this document in accordance with the requirements of New York State Environmental Conservation Law and 6 NYCRR Part 375. This document is a summary of the information that can be found in the site-related reports and documents.

SECTION 2: CITIZEN PARTICIPATION

The Department seeks input from the community on all remedies. A public comment period was held, during which the public was encouraged to submit comment on the proposed remedy. All comments on the remedy received during the comment period were considered by the Department in selecting a remedy for the site. Site-related reports and documents were made available for review by the public at the following document repository:

DECInfo Locator - Web Application
https://gisservices.dec.ny.gov/gis/dil/index.html?rs=C224272

Brooklyn Public Library
10 Grand Army Plaza
Brooklyn, NY 11238
Phone: 718.230.2100

Please note that in-person repositories may be temporarily unavailable due to COVID-19

precautions.

Receive Site Citizen Participation Information By Email

Please note that the Department's Division of Environmental Remediation (DER) is "going paperless" relative to citizen participation information. The ultimate goal is to distribute citizen participation information about contaminated sites electronically by way of county email listservs. Information will be distributed for all sites that are being investigated and cleaned up in a particular county under the State Superfund Program, Environmental Restoration Program, Brownfield Cleanup Program and Resource Conservation and Recovery Act Program. We encourage the public to sign up for one or more county listservs at http://www.dec.ny.gov/chemical/61092.html

SECTION 3: SITE DESCRIPTION AND HISTORY

Location: The site comprises approximately 2.441- acres, consisting of the entire block west of West Street, between India and Java Streets in the Greenpoint Section of Brooklyn. The site is the upland portion of tax block 2538, lot 1, defined as the area of the parcel to the east of the planned bulkhead that will form the western edge of the site. The site is located on the east bank of the East River, approximately ½ mile south of Newtown Creek.

Site Features: The site was developed sometime prior to 1887. The western site building was constructed in 1935, and the eastern building was constructed in 1953. As of 1951, piers/docks are noted at the end of each mapped street along the shoreline of the East River from Green Street (to the north) to Milton Street (to the south), including India Street. All the piers/docks, except for the pier/dock at the end of Green Street, were no longer depicted by 2006. By 2011, a new pier/dock at the end of India Street was noted, which is currently used as NYC Ferry terminal. It also appears that there was partial bulkhead collapse, and the shoreline adjacent to the site has eroded over time beginning in the late 1980s. The East River is located immediately adjacent to the west of the site.

Current Zoning and Land Use: The site is currently zoned R8 and R6, both residential districts, with a C2-4 commercial overlay. The site was improved with two warehouse-style buildings most recently utilized for storage by movie prop storage companies; and an active NYC East River ferry terminal on the western portion of the site. Stored material consisted of, but was not limited to, furniture, paintings, kitchenware, wagons, clothing, and lighting fixtures. Building demolition was fully completed on September 3, 2021. The surrounding parcels are currently used for a mix of urban residential, commercial and some industrial uses. The nearest residential areas are located immediately east of the site across West Street and immediately north of the site across India Street.

Past Use of the Site: Historical site use includes lumber storage (including presence of a drying kiln) and a planing mill on the western portion of the Site between 1887 until the 1940s; and an Independent Energy Plant which generally utilized coal and/or oil to generate power. Additionally, the site was used as a sash, door and blind factory; sheet metal fabrication; truck repair; gasoline tank and pumps for fueling; bottling plant warehouse; plastics manufacturer; cargo storage; and parking.

Site Geology and Hydrogeology: The site is relatively flat. The elevation of the site is approximately 3 feet above mean sea level. The site is located adjacent to a tidal wetland and is in a 100-year flood zone.

The site is underlain by historic fill to a depth of approximately 20 feet below grade. The fill layer consists of course sand, silt, gravel, tar, brick, and concrete fragments. Beneath the fill layer are native deposits consisting of sand and silt. Bedrock was not encountered during the investigations but based on regional geological data bedrock is expected to be present at depths greater than 70 feet below grade. Groundwater was found at depths ranging from 5 to 8 feet below grade, and flows west towards the East River, located immediately west of the site.

A site location map is attached as Figure 1. A site map is attached as Figure 2.

SECTION 4: LAND USE AND PHYSICAL SETTING

The Department may consider the current, intended, and reasonably anticipated future land use of the site and its surroundings when evaluating a remedy for soil remediation. For this site, alternatives (or an alternative) that restrict(s) the use of the site to restricted-residential use (which allows for commercial use and industrial use) as described in Part 375-1.8(g) were/was evaluated in addition to an alternative which would allow for unrestricted use of the site.

A comparison of the results of the Remedial Investigation (RI) to the appropriate standards, criteria and guidance values (SCGs) for the identified land use and the unrestricted use SCGs for the site contaminants is available in the RI Report.

SECTION 5: ENFORCEMENT STATUS

The Applicant under the Brownfield Cleanup Agreement is a Participant. The Applicant has an obligation to address on-site and off-site contamination. However, the Department has determined that the site does not pose a significant threat to public health or the environment; accordingly, no enforcement actions are necessary.

SECTION 6: SITE CONTAMINATION

6.1: Summary of the Remedial Investigation

A remedial investigation (RI) serves as the mechanism for collecting data to:

- characterize site conditions;
- determine the nature of the contamination; and
- assess risk to human health and the environment.

The RI is intended to identify the nature (or type) of contamination which may be present at a site and the extent of that contamination in the environment on the site, or leaving the site. The RI reports on data gathered to determine if the soil, groundwater, soil vapor, indoor air, surface water or sediments may have been contaminated. Monitoring wells are installed to assess groundwater

and soil borings or test pits are installed to sample soil and/or waste(s) identified. If other natural resources are present, such as surface water bodies or wetlands, the water and sediment may be sampled as well. Based on the presence of contaminants in soil and groundwater, soil vapor will also be sampled for the presence of contamination. Data collected in the RI influence the development of remedial alternatives. The RI report is available for review in the site document repository and the results are summarized in section 6.3.

The analytical data collected on this site includes data for:

- groundwater
- soil
- soil vapor

6.1.1: Standards, Criteria, and Guidance (SCGs)

The remedy must conform to promulgated standards and criteria that are directly applicable or that are relevant and appropriate. The selection of a remedy must also take into consideration guidance, as appropriate. Standards, Criteria and Guidance are hereafter called SCGs.

To determine whether the contaminants identified in various media are present at levels of concern, the data from the RI were compared to media-specific SCGs. The Department has developed SCGs for groundwater, surface water, sediments, and soil. The NYSDOH has developed SCGs for drinking water and soil vapor intrusion. For a full listing of all SCGs see: http://www.dec.ny.gov/regulations/61794.html

6.1.2: RI Results

The data have identified contaminants of concern. A "contaminant of concern" is a contaminant that is sufficiently present in frequency and concentration in the environment to require evaluation for remedial action. Not all contaminants identified on the property are contaminants of concern. The nature and extent of contamination and environmental media requiring action are summarized below. Additionally, the RI Report contains a full discussion of the data. The contaminant(s) of concern identified at this site is/are:

naphthalene
benzo(a)anthracene
benzo(a)pyrene
benzo(b)fluoranthene
benzo(k)fluoranthene
dibenz[a,h]anthracene
indeno(1,2,3-cd)pyrene
chrysene
phenanthrene
lead
mercury
cadmium
arsenic
copper
1,1,1-trichloroethane(TCA)
tetrachloroethene (PCE)
trichloroethene (TCE)
trichloromonofluoromethane

The contaminant(s) of concern exceed the applicable SCGs for:

- groundwater
- soil

6.2: Interim Remedial Measures

An interim remedial measure (IRM) is conducted at a site when a source of contamination or exposure pathway can be effectively addressed before issuance of the Decision Document.

There were no IRMs performed at this site during the RI.

6.3: Summary of Environmental Assessment

This section summarizes the assessment of existing and potential future environmental impacts presented by the site. Environmental impacts may include existing and potential future exposure pathways to fish and wildlife receptors, wetlands, groundwater resources, and surface water. The RI report presents a detailed discussion of any existing and potential impacts from the site to fish and wildlife receptors.

Soil and groundwater samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, emerging contaminants, and metals. Soil vapor samples were analyzed for VOCs. Based upon investigations conducted to date, the primary contaminants of concern for the site include VOCs, SVOCs, and metals in soil, SVOCs in groundwater and VOCs in soil vapor.

Soil: One VOC (naphthalene), eight SVOCs [all polycyclic aromatic hydrocarbons (PAHs)], and five metals were detected above the applicable restricted-residential soil cleanup objectives (RRSCOs) in site soils. Four of these SVOCs were also detected in groundwater and exceed protection of groundwater soil cleanup objectives (PGWSCOs) in the soil. Naphthalene was detected at a maximum concentration of 140 parts per million (ppm), exceeding the RRSCO of 100 ppm. SVOCs detected include benzo(a)anthracene at a maximum concentration of 42 ppm ((RRSCO 1 ppm) (PGWSCO 1 ppm)), benzo(a)pyrene at a maximum concentration of 54 ppm ((RRSCO 1 ppm) (PGWSCO 22 ppm)), benzo(b)fluoranthene at a maximum concentration of 57 ppm ((RRSCO 1 ppm) (PGWSCO 1.7ppm)), benzo(k)fluoranthene at a maximum concentration of 17 ppm (RRSCO 3.9 ppm), chrysene at a maximum concentration of 36 ppm (RRSCO 3.9 ppm), dibenzo(a,h)anthracene at a maximum concentration of 8.3 ppm (RRSCO 0.33 ppm), indeno(1,2,3-cd)pyrene at a maximum concentration of 36 ppm ((RRSCO 0.5 ppm) (PGWSCO 8.2 ppm)), and phenanthrene at a maximum concentration of 120 ppm (RRSCO 100 ppm). Metals that were detected include lead at a maximum concentration of 2,530 ppm (RRSCO 400 ppm), mercury at a maximum concentration of 2 ppm (RRSCO 0.81 ppm), cadmium at a maximum concentration of 8.61 ppm (RRSCO 4.3 ppm), arsenic at a maximum concentration of 71.4 ppm (RRSCO 16 ppm), and copper at a maximum concentration of 1590 ppm (RRSCO 270 ppm). Per- and polyfluoroalkyl substances (PFAS) were not detected at concentrations exceeding the restricted-residential or protection of groundwater soil cleanup objectives. Data does not indicate any off-site impacts in soil related to this site.

Groundwater: There were no detections of VOCs, PCBs, or pesticides above Ambient Water Quality Standards (AWQS) in site groundwater. SVOCs detected at concentrations exceeding the AWQS in site groundwater include beno(a)anthracene at a maximum concentration of 0.04 parts per billion, or ppb (AWQS is 0.002 ppb), benzo(a)pyrene at a maximum concentration of 0.06 ppb (AWQS is non-detect), benzo(b)fluoranthene at a maximum concentration of 0.03 ppb (AWQS 0.002 ppb) and indeno(1,2,3-cd)pyrene at a maximum concentration of 0.06 ppb (AWQS 0.002 ppb). Metals that were found at concentrations exceeding the AWQS in site groundwater samples include antimony at a maximum concentration of 0.00411 ppb (AWQS 0.003 ppb), iron at a maximum concentration of 35.4 ppb (AWQS 0.3 ppb), magnesium at a maximum concentration of 103 ppb (AWQS 35 ppb), and manganese at a maximum concentration of 4.574 ppb (AWQS 0.3 ppb). The metals observed above AWQS in groundwater are naturally occurring.

The PFAS perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic Acid (PFOS) were detected in site groundwater at concentrations exceeding their maximum contaminant level (MCL) of 10 ppt each at maximum concentrations of 78.7 and 44.1 ppt, respectively. MCL is a drinking water standard being used in the absence of an ambient groundwater quality standard.

Data does not indicate any off-site impacts in groundwater related to this site.

Soil Vapor: Soil Vapor samples were collected from locations beneath the existing warehouse buildings. 1,1,1-TCA was detected at a maximum concentration of 47.6 micrograms per cubic meter (ug/m3), PCE was detected at a maximum concentration of 304 ug/m3, TCE was detected at a maximum concentration of 14.1 ug/m3, and trichlorofluoromethane was detected at a maximum concentration of 52.7 ug/m3. Data does not indicate any off-site impacts on soil vapor related to the site.

6.4: Summary of Human Exposure Pathways

This human exposure assessment identifies ways in which people may be exposed to site-related contaminants. Chemicals can enter the body through three major pathways (breathing, touching or swallowing). This is referred to as *exposure.*

People will not come into contact with contaminated soil or groundwater unless they dig below ground surface. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in soil vapor (air spaces within the soil) may move into buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site-related contaminants due to soil vapor intrusion does not represent a current concern. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future on-site redevelopment and occupancy. Environmental sampling indicates soil vapor intrusion is not a concern for off-site buildings.

6.5: Summary of the Remediation Objectives

The objectives for the remedial program have been established through the remedy selection process stated in 6 NYCRR Part 375. The goal for the remedial program is to restore the site to pre-disposal conditions to the extent feasible. At a minimum, the remedy shall eliminate or mitigate all significant threats to public health and the environment presented by the contamination identified at the site through the proper application of scientific and engineering principles.

The remedial action objectives for this site are:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.

RAOs for Environmental Protection

- Remove the source of ground or surface water contamination.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

SECTION 7: ELEMENTS OF THE SELECTED REMEDY

The alternatives developed for the site and the evaluation of the remedial criteria are presented in the Alternative Analysis. The remedy is selected pursuant to the remedy selection criteria set forth in DER-10, Technical Guidance for Site Investigation and Remediation and 6 NYCRR Part 375.

The selected remedy is a Track 4: Restricted use with site-specific soil cleanup objectives remedy.

The selected remedy is referred to as the Excavation with Cover System and Site Management remedy.

The elements of the selected remedy, as shown in Figure 3-5, are as follows:

1. Remedial Design
A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31. The major green remediation components are as follows:

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gases and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;
- Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;
- Maximizing habitat value and creating habitat when possible;
- Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals;
- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development; and
- Additionally, to incorporate green remediation principles and techniques to the extent feasible in the future development at this site, any future on-site buildings will include, at a minimum, a 20-mil vapor barrier/waterproofing membrane on the foundation to improve energy efficiency as an element of construction.

2. Excavation
The existing on-site buildings will be demolished and materials which can't be beneficially reused on site will be taken off-site for proper disposal in order to implement the remedy.

Excavation and off-site disposal of contaminant source areas, including:

- soil exceeding the 6 NYCRR Part 371 hazardous criteria for lead;
- any underground storage tanks (USTs), fuel dispensers, underground piping or other structures associated with a source of contamination.

In addition, all on-site soils and historic fill which exceed restricted-residential and protection of groundwater SCOs, as defined by 6 NYCRR Part 375-6.8, in the upper two feet will be excavated and transported off-site for disposal. Approximately 1,600 cubic yards of contaminated soil is planned for removal.

3. Backfill
On-site soil which does not exceed the above excavation criteria or the protection of groundwater SCOs for any constituent may be used below the cover system described in remedy element 4 to backfill the excavation and establish the designed grades at the site. Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to replace the excavated soil or complete the backfilling of the excavation and establish the designed grades at the site.

4. Cover System
A site cover will be required to allow for restricted residential use of the site in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where a soil cover is to be used it will be a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.

5. Institutional Controls
Imposition of an institutional control in the form of an environmental easement for the controlled property which will:

- require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for restricted residential use or commercial use or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOHMH; and
- require compliance with the Department approved Site Management Plan.

6. Site Management Plan
A Site Management Plan is required, which includes the following:

a. An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

Institutional Controls: The Environmental Easement discussed in Paragraph 5 above.

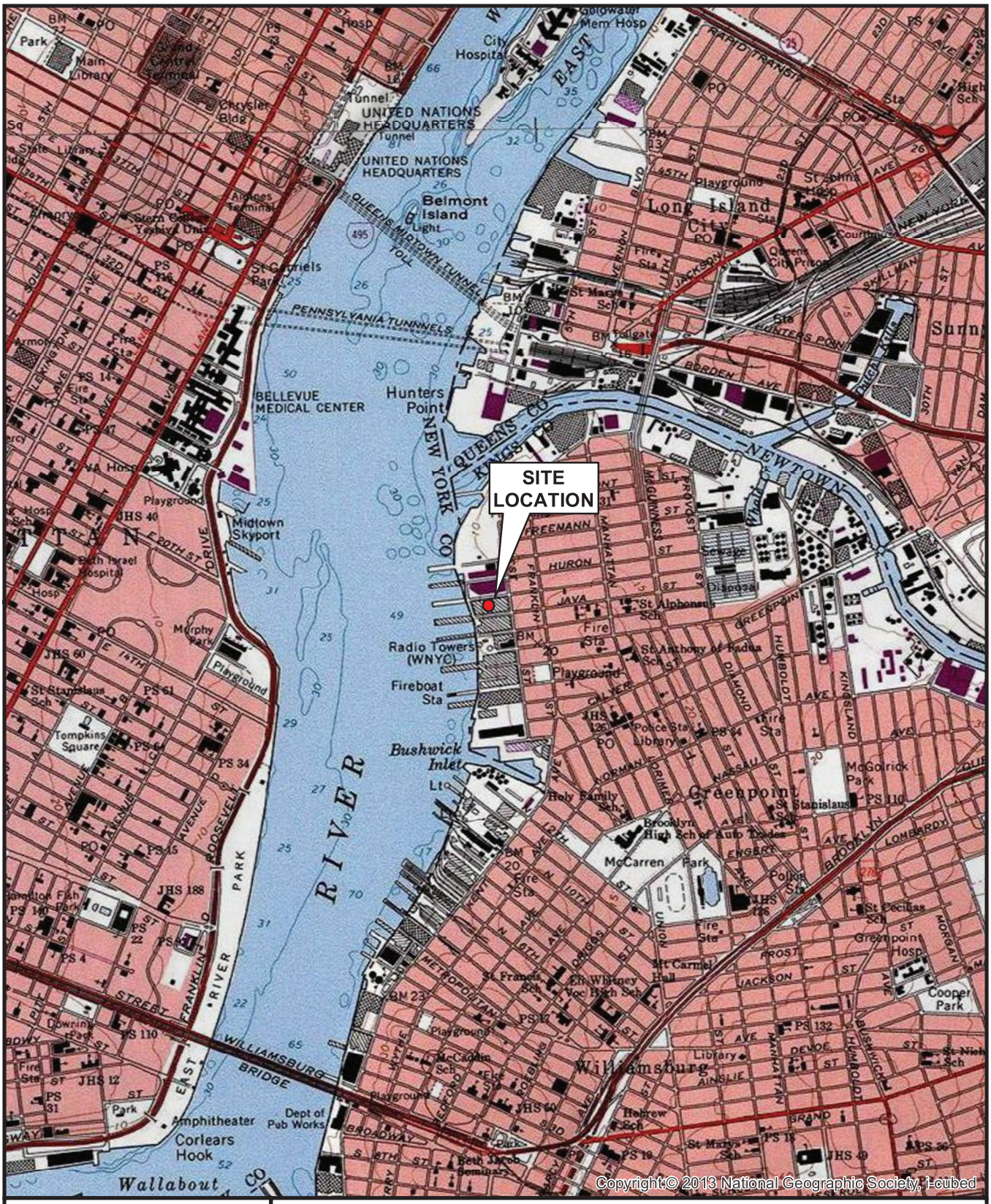
Engineering Controls: The cover system discussed in Paragraph 4 above.
This plan includes, but may not be limited to:

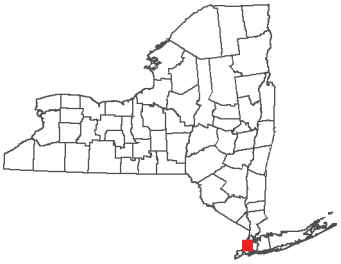
- an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
- descriptions of the provisions of the environmental easement including any land use, and groundwater use restrictions;
- a provision for evaluation of the potential for soil vapor intrusion for any occupied buildings on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;

- a provision that should a building foundation or building slab be removed in the future, a cover system consistent with that described in Paragraph 4 above will be placed in any areas where the upper two feet of exposed surface soil exceed the applicable soil cleanup objectives (SCOs);
- provisions for the management and inspection of the identified engineering controls;
- maintaining site access controls and Department notification; and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b. A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
   - monitoring of groundwater to assess the performance and effectiveness of the remedy;
   - a schedule of monitoring and frequency of submittals to the Department;
   - monitoring for vapor intrusion for any buildings on the site, as may be required by the Institutional and Engineering control plan discussed above.

c. An Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, inspection, and reporting of any mechanical or physical components of active vapor mitigation system(s), if needed. The plan includes, but is not limited to:
   - procedures for operating and maintaining the system(s); and
   - compliance inspection of the system to ensure proper O&M as well as providing the data for any necessary reporting.





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Figure 1

Site Location Map

Greenpoint Ferry Site
City of Brooklyn, Kings County
Site No. C224272

NEW YORK STATE OF OPPORTUNITY
Department of Environmental Conservation



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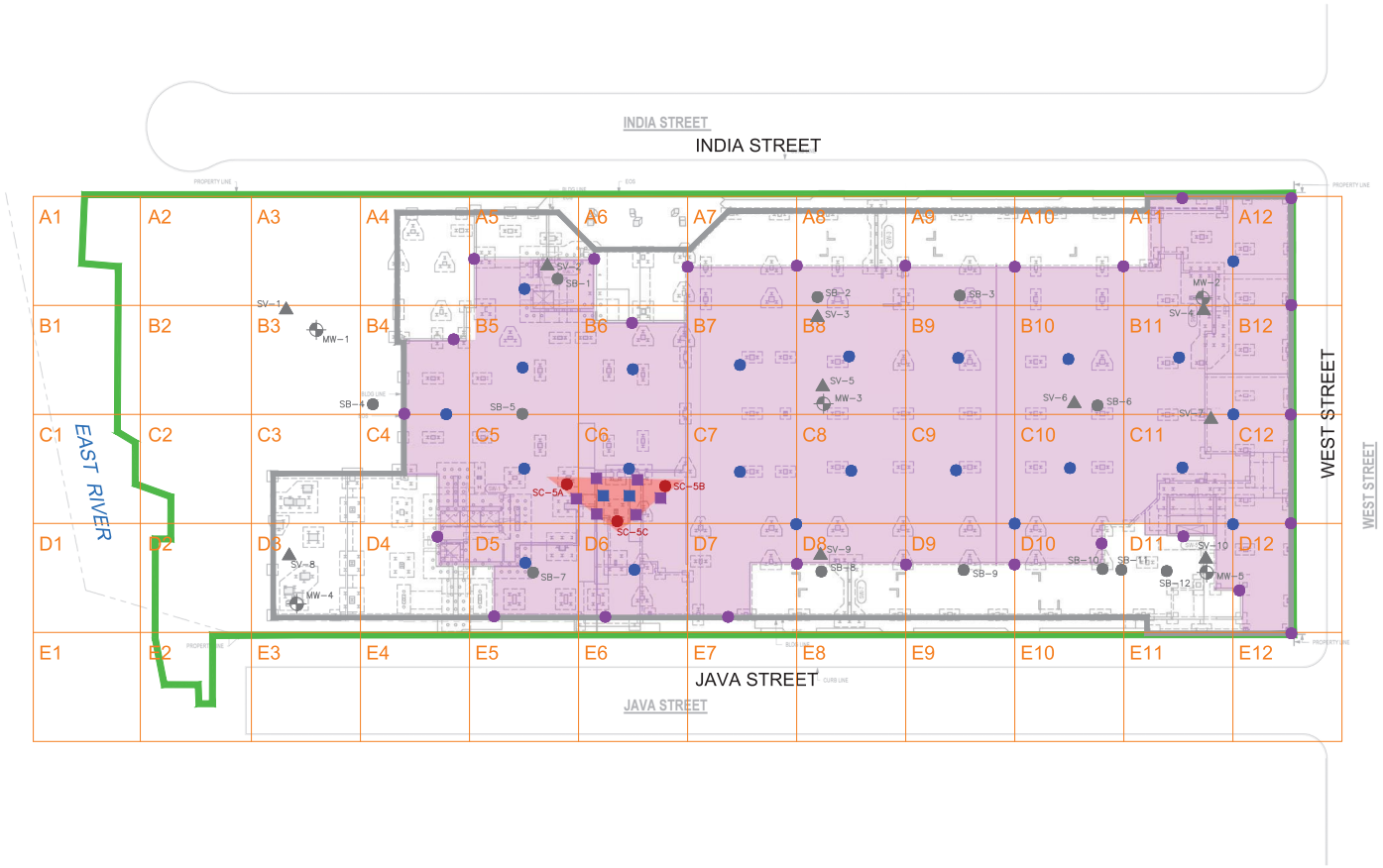
Figure 2: Site Map

Greenpoint Ferry Site

127-141 West Street
City of Brooklyn, Kings County
Site No. C224272

NEW YORK
STATE OF
OPPORTUNITY

Department of
Environmental
Conservation



LEGEND

- BCP SITE BOUNDARY
- APPROXIMATE EXTENT OF PROPOSED BUILDING
- SB-1 LOCATION AND DESIGNATION OF SOIL BORING
- MW-1 LOCATION AND DESIGNATION OF MONITORING WELL
- SV-1 LOCATION AND DESIGNATION OF SOIL VAPOR MONITORING POINT
- LOCATION OF PROPOSED DOCUMENTATION BOTTOM SAMPLE
- LOCATION OF PROPOSED DOCUMENTATION SIDEWALL SAMPLE
- LOCATION OF PROPOSED CONFIRMATORY BOTTOM SAMPLE
- LOCATION OF PROPOSED CONFIRMATORY SIDEWALL SAMPLE
- 50 FT ALPHANUMERIC GRID
- PROPOSED REMEDIAL EXCAVATION TO 24-INCHES BLS AND SITE COVER
- SC-5A LOCATION AND DESIGNATION OF 3-POINT COMPOSITE IN SITU WASTE CHARACTERIZATION SOIL SAMPLE WITH TCLP LEAD EXCEEDANCE
- PROPOSED LIMITS OF LEAD HOTSPOT EXCAVATION: 5FT BLS (SEE APPENDIX I FOR DETAILS)

ENGINEERED COMPOSITE COVER SYSTEM WILL BE CONSTRUCTED OVER THE ENTIRE BCP SITE

NOTES

1. SEE APPENDIX C OF RAWP FOR COMPLETE WASTE CHARACTERIZATION REPORT.
2. SEE APPENDIX I OF RAWP FOR COMPLETE 2021 REUSE/WASTE CHARACTERIZATION REPORT
3. BCP – BROWNFIELD CLEANUP PROGRAM
4. RAWP – REMEDIAL ACTION WORK PLAN
5. BLS – BELOW LAND SURFACE
6. ENTIRE SITE AREA IS TRACK 4

40' 0 40'

Title:

REMEDIAL ALTERNATIVE 2

REMEDIAL EXCAVATION SOIL CUT PLAN (TRACK 4 RESTRICTED RESIDENTIAL USE)

GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

Prepared for:

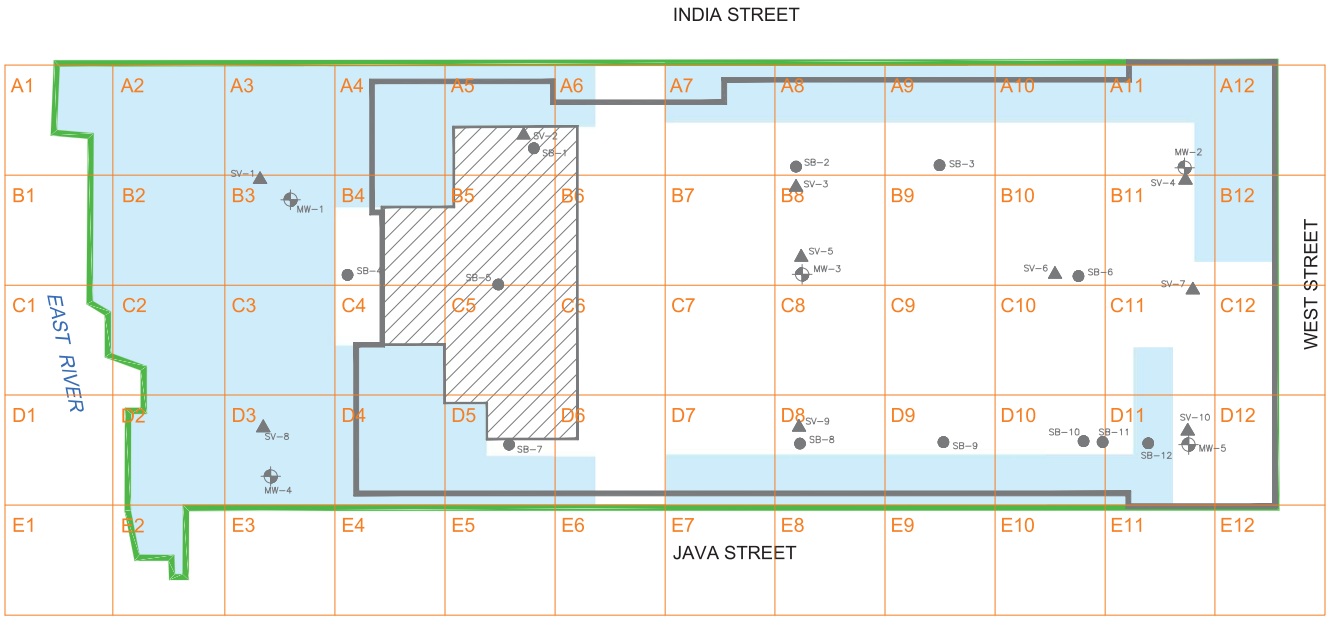
1 JAVA OWNER LLC

ROUX

Compiled by: N.P.	Date: 14DEC21
Prepared by: B.H.C.	Scale: AS SHOWN
Project Mgr: N.P.	Project: 3583.0001Y000
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FIGURE 3

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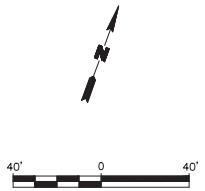
LEGEND

- BCP SITE BOUNDARY
- APPROXIMATE EXTENT OF PROPOSED BUILDING
- APPROXIMATE EXTENT OF PROPOSED CELLAR
- SB-1 LOCATION AND DESIGNATION OF SOIL BORING
- MW-1 LOCATION AND DESIGNATION OF MONITORING WELL
- SV-1 LOCATION AND DESIGNATION OF SOIL VAPOR MONITORING POINT
- 50 FT ALPHANUMERIC GRID
- PROPOSED FILL AREA AND CONSTRUCTION OF SITE COVER

ENGINEERED COMPOSITE COVER SYSTEM WILL BE CONSTRUCTED OVER THE ENTIRE BCP SITE

NOTES

1. SEE APPENDIX C OF RAWP FOR COMPLETE WASTE CHARACTERIZATION REPORT.
2. SEE APPENDIX I OF RAWP FOR COMPLETE 2021 REUSE/WASTE CHARACTERIZATION REPORT
3. BCP – BROWNFIELD CLEANUP PROGRAM
4. RAWP – REMEDIAL ACTION WORK PLAN
5. BLS – BELOW LAND SURFACE



Title:

REMEDIAL ALTERNATIVE 2
REMEDIAL FILL PLAN
(TRACK 4 RESTRICTED RESIDENTIAL USE)

GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

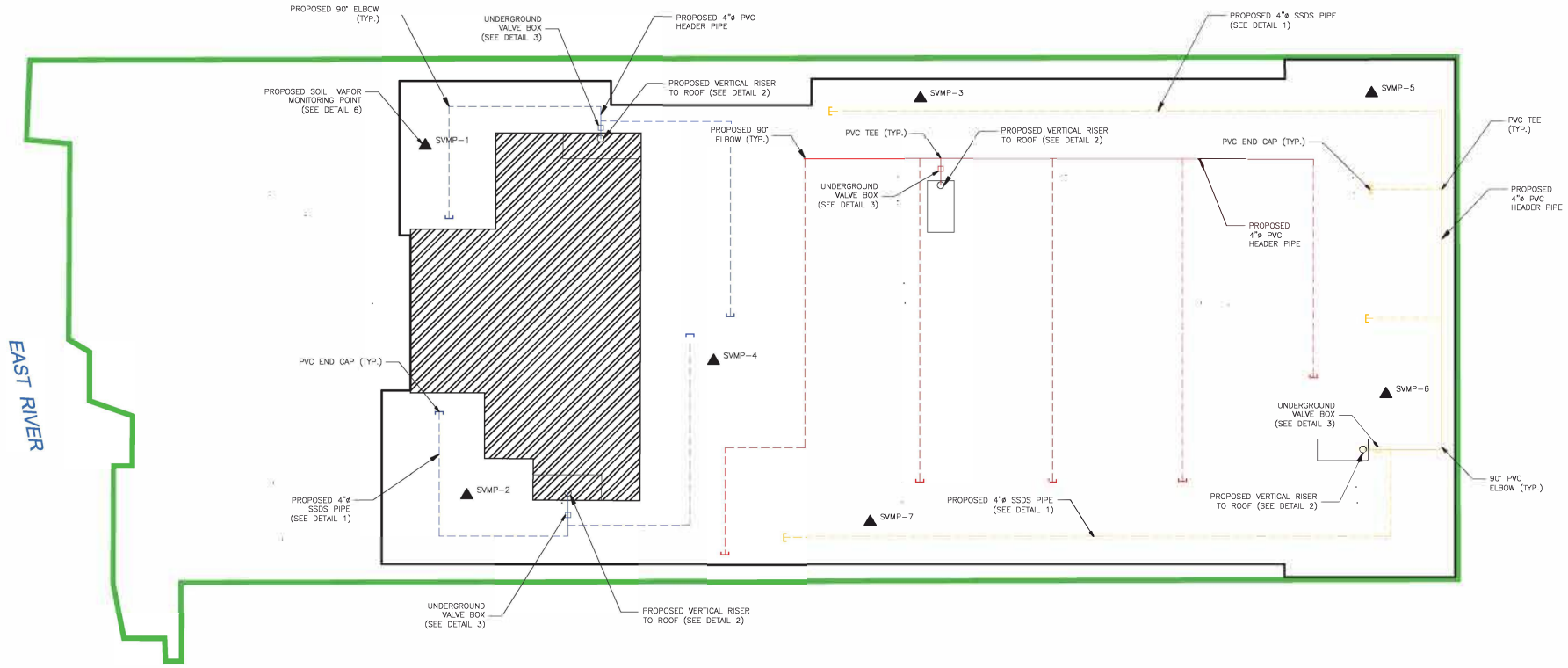
Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: E.B.	Date: 19MAY21	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	4
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File: 3583.0001Y107.07.DWG		

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LEGEND

1) THE FOUNDATION PLAN WAS NOT AVAILABLE AT THE TIME OF THIS PRELIMINARY DESIGN. SUB-SLAB DEPRESSURIZATION SYSTEM SITE LAYOUT IS SUBJECT TO CHANGE BASED ON LOCATION OF FOUNDATIONS.
2) SUB-SLAB DEPRESSURIZATION SYSTEM PIPING SHALL BE THE LAST SUBSURFACE UTILITY PLACED BEFORE SLAB IS POURED.
3) CONTRACTOR SHALL COORDINATE INSTALLATION OF SUB-SLAB DEPRESSURIZATION PIPING WITH THE FOUNDATION, PLUMBING, MECHANICAL, GEOTHERMAL, AND ELECTRICAL CONTRACTORS.
4) CONTRACTOR SHALL FIELD VERIFY THE DESIGN INVERT ELEVATIONS (BOTTOM OF PIPING) FOR THE WALL PENETRATIONS. THE CONTRACTOR SHALL ALSO FIELD VERIFY THE HORIZONTAL OFFSETS FOR THE LOCATIONS OF THE VERTICAL RISER.
5) SUB-SLAB DEPRESSURIZATION SYSTEM IS NOT PROPOSED BELOW CELLAR TO PREVENT POTENTIAL INFILTRATION OF SHALLOW GROUNDWATER INTO THE SYSTEM.
6) RISERS FOR SUB-SLAB DEPRESSURIZATION SYSTEM SHALL TERMINATE ON ROOF OF LOW-RISE PORTION OF BUILDING.
7) PASSIVE SUB-SLAB DEPRESSURIZATION SYSTEM WAS SIZED FOR POTENTIAL CONVERSION TO AN ACTIVE SYSTEM. CONVERSION TO ACTIVE SYSTEM IS NOT ANTICIPATED.

LEGEND

- EXTENT OF AVSEC BROWNFIELDS SITE
- APPROXIMATE EXTENT OF PROPOSED BUILDING
- APPROXIMATE EXTENT OF PROPOSED CELLAR
- ZONE 1 SSDS PI PI NETWORK (BENEATH FIRST FLOOR)
- ZONE 2 SSDS PI PI NG NETWORK (BENEATH FIRST FLOOR)
- ZONE 3 SSDS PIPING NETWORK (BENEATH PARKING GARAGE)

NO.	DATE	REVISION DESCRIPTION	INT.

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DESIGNED BY: N.P.		CHECKED BY:	
DRAWING SCALE: AS SHOWN		PLOT SCALE: 1:1	
DRAWING DATE: 20APR21		PLOT TYPE: CLR	
OFFICE: NY		PAI SIZE: ARCH D	
PROJECT NO.: 3002.0004YC	100		
DRAWING FILE: 3583.000 1Y1 07 REDV DWG			

ROUX
Roux Environmental Engineering and Geology, D.P.C.
209 SHAFTER STREET ISLANDIA NEW YORK 11749
(631) 232-2600

PROJECT NAME: GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

PROJECT FOR: 1 JAVA OWNER, LLC

TITLE: PASSIVE SUB-SLAB DEPRESSURIZATION SYSTEM SITE PLAN

DRAWING NO. 5
DRAWING 1 OF 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor, Albany, NY 12233-7016
P: (518) 402-9767 I F: (518) 402-9773
www.dec.ny.gov

Sent via e-mail

February 18, 2022

Christie Walker
1 Java Owner LLC
200 Park Avenue, 9th Floor
New York, NY 10166
christie.walker@lendlease.com

Re: Greenpoint Ferry Site, Site ID No. C224272, Kings County, City of New York
Remedial Action Work Plan & Decision Document

Dear Christie Walker:

The New York State Department of Environmental Conservation (Department) and the New York State Department of Health (NYSDOH) have reviewed the Remedial Action Work Plan (RAWP) for the Greenpoint Ferry Site dated May 2021, and revised February 2022, prepared by ROUX Environmental Engineering and Geology, D.P.C. (ROUX), on behalf of 1 Java Owner LLC. The RAWP is hereby approved. Please ensure that a copy of the approved RAWP is placed in the document repositories. The draft plan should be removed.

Attached is a copy of the Department's Decision Document for the site. The remedy is to be implemented in accordance with this Decision Document. Please ensure that a copy of the Decision Document is placed in the document repositories.

Please contact the Department's Project Manager, Richard P. Mustico, at 518-402-9647 or at richard.mustico1@dec.ny.gov at your earliest convenience to discuss next steps. Please recall the Department requires a seven-day notice prior to the start of field work.

Sincerely,

Gerard Burke
Director
Remedial Bureau B
Division of Environmental Remediation

Enclosure

ec w/ enclosure:

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DECDOCS

DECISION DOCUMENT

Greenpoint Ferry Site
Brownfield Cleanup Program
Brooklyn, Kings County
Site No. C224272
February 2022



Prepared by
Division of Environmental Remediation
New York State Department of Environmental Conservation

DECLARATION STATEMENT - DECISION DOCUMENT

Greenpoint Ferry Site
Brownfield Cleanup Program
Brooklyn, Kings County
Site No. C224272
February 2022

Statement of Purpose and Basis

This document presents the remedy for the Greenpoint Ferry site a brownfield cleanup site. The remedial program was chosen in accordance with the New York State Environmental Conservation Law and Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6 NYCRR) Part 375.

This decision is based on the Administrative Record of the New York State Department of Environmental Conservation (the Department) for the Greenpoint Ferry site and the public's input to the proposed remedy presented by the Department.

Description of Selected Remedy

The elements of the selected remedy are as follows:

1. Remedial Design
A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31. The major green remediation components are as follows:

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gases and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;
- Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;
- Maximizing habitat value and creating habitat when possible;
- Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals;
- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development; and
- Additionally, to incorporate green remediation principles and techniques to the extent feasible in the future development at this site, any future on-site buildings will include, at

a minimum, a 20-mil vapor barrier/waterproofing membrane on the foundation to improve energy efficiency as an element of construction.

2. Excavation
The existing on-site buildings will be demolished and materials which can't be beneficially reused on site will be taken off-site for proper disposal in order to implement the remedy.

Excavation and off-site disposal of contaminant source areas, including:

- soil exceeding the 6 NYCRR Part 371 hazardous criteria for lead;
- any underground storage tanks (USTs), fuel dispensers, underground piping or other structures associated with a source of contamination.

In addition, all on-site soils and historic fill which exceed restricted-residential and protection of groundwater SCOs, as defined by 6 NYCRR Part 375-6.8, in the upper two feet will be excavated and transported off-site for disposal. Approximately 1,600 cubic yards of contaminated soil is planned for removal.

3. Backfill
On-site soil which does not exceed the above excavation criteria or the protection of groundwater SCOs for any constituent may be used below the cover system described in remedy element 4 to backfill the excavation and establish the designed grades at the site. Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to replace the excavated soil or complete the backfilling of the excavation and establish the designed grades at the site.

4. Cover System
A site cover will be required to allow for restricted residential use of the site in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where a soil cover is to be used it will be a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.

5. Institutional Controls
Imposition of an institutional control in the form of an environmental easement for the controlled property which will:
- require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for restricted residential use or commercial use or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOHMH; and
- require compliance with the Department approved Site Management Plan.

6. Site Management Plan
A Site Management Plan is required, which includes the following:

a. An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

Institutional Controls: The Environmental Easement discussed in Paragraph 5 above.

Engineering Controls: The cover system discussed in Paragraph 4 above.

This plan includes, but may not be limited to:

- an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
- descriptions of the provisions of the environmental easement including any land use, and groundwater use restrictions;
- a provision for evaluation of the potential for soil vapor intrusion for any occupied buildings on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;
- a provision that should a building foundation or building slab be removed in the future, a cover system consistent with that described in Paragraph 4 above will be placed in any areas where the upper two feet of exposed surface soil exceed the applicable soil cleanup objectives (SCOs);
- provisions for the management and inspection of the identified engineering controls;
- maintaining site access controls and Department notification; and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b. A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
   - monitoring of groundwater to assess the performance and effectiveness of the remedy;
   - a schedule of monitoring and frequency of submittals to the Department;
   - monitoring for vapor intrusion for any buildings on the site, as may be required by the Institutional and Engineering control plan discussed above.

c. An Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, inspection, and reporting of any mechanical or physical components of active vapor mitigation system(s), if needed. The plan includes, but is not limited to:

- procedures for operating and maintaining the system(s); and
- compliance inspection of the system to ensure proper O&M as well as providing the data for any necessary reporting.

Declaration

The remedy conforms with promulgated standards and criteria that are directly applicable, or that are relevant and appropriate and takes into consideration Department guidance, as appropriate. The remedy is protective of public health and the environment.

February 18, 2021

Date

Gerard Burke, Director
Remedial Bureau B

DECISION DOCUMENT

Greenpoint Ferry Site
Brooklyn, Kings County
Site No. C224272
February 2022

SECTION 1: SUMMARY AND PURPOSE

The New York State Department of Environmental Conservation (the Department), in consultation with the New York State Department of Health (NYSDOH), has selected a remedy for the above referenced site. The disposal of contaminants at the site has resulted in threats to public health and the environment that would be addressed by the remedy. The disposal or release of contaminants at this site, as more fully described in this document, has contaminated various environmental media. Contaminants include hazardous waste and/or petroleum.

The New York State Brownfield Cleanup Program (BCP) is a voluntary program. The goal of the BCP is to enhance private-sector cleanups of brownfields and to reduce development pressure on "greenfields." A brownfield site is real property, where a contaminant is present at levels exceeding the soil cleanup objectives or other health-based or environmental standards, criteria or guidance, based on the reasonably anticipated use of the property.

The Department has issued this document in accordance with the requirements of New York State Environmental Conservation Law and 6 NYCRR Part 375. This document is a summary of the information that can be found in the site-related reports and documents.

SECTION 2: CITIZEN PARTICIPATION

The Department seeks input from the community on all remedies. A public comment period was held, during which the public was encouraged to submit comment on the proposed remedy. All comments on the remedy received during the comment period were considered by the Department in selecting a remedy for the site. Site-related reports and documents were made available for review by the public at the following document repository:

DECInfo Locator - Web Application
https://gisservices.dec.ny.gov/gis/dil/index.html?rs=C224272

Brooklyn Public Library
10 Grand Army Plaza
Brooklyn, NY 11238
Phone: 718.230.2100

Please note that in-person repositories may be temporarily unavailable due to COVID-19

precautions.

Receive Site Citizen Participation Information By Email

Please note that the Department's Division of Environmental Remediation (DER) is "going paperless" relative to citizen participation information. The ultimate goal is to distribute citizen participation information about contaminated sites electronically by way of county email listservs. Information will be distributed for all sites that are being investigated and cleaned up in a particular county under the State Superfund Program, Environmental Restoration Program, Brownfield Cleanup Program and Resource Conservation and Recovery Act Program. We encourage the public to sign up for one or more county listservs at http://www.dec.ny.gov/chemical/61092.html

SECTION 3: SITE DESCRIPTION AND HISTORY

Location: The site comprises approximately 2.441- acres, consisting of the entire block west of West Street, between India and Java Streets in the Greenpoint Section of Brooklyn. The site is the upland portion of tax block 2538, lot 1, defined as the area of the parcel to the east of the planned bulkhead that will form the western edge of the site. The site is located on the east bank of the East River, approximately ½ mile south of Newtown Creek.

Site Features: The site was developed sometime prior to 1887. The western site building was constructed in 1935, and the eastern building was constructed in 1953. As of 1951, piers/docks are noted at the end of each mapped street along the shoreline of the East River from Green Street (to the north) to Milton Street (to the south), including India Street. All the piers/docks, except for the pier/dock at the end of Green Street, were no longer depicted by 2006. By 2011, a new pier/dock at the end of India Street was noted, which is currently used as NYC Ferry terminal. It also appears that there was partial bulkhead collapse, and the shoreline adjacent to the site has eroded over time beginning in the late 1980s. The East River is located immediately adjacent to the west of the site.

Current Zoning and Land Use: The site is currently zoned R8 and R6, both residential districts, with a C2-4 commercial overlay. The site was improved with two warehouse-style buildings most recently utilized for storage by movie prop storage companies; and an active NYC East River ferry terminal on the western portion of the site. Stored material consisted of, but was not limited to, furniture, paintings, kitchenware, wagons, clothing, and lighting fixtures. Building demolition was fully completed on September 3, 2021. The surrounding parcels are currently used for a mix of urban residential, commercial and some industrial uses. The nearest residential areas are located immediately east of the site across West Street and immediately north of the site across India Street.

Past Use of the Site: Historical site use includes lumber storage (including presence of a drying kiln) and a planing mill on the western portion of the Site between 1887 until the 1940s; and an Independent Energy Plant which generally utilized coal and/or oil to generate power. Additionally, the site was used as a sash, door and blind factory; sheet metal fabrication; truck repair; gasoline tank and pumps for fueling; bottling plant warehouse; plastics manufacturer; cargo storage; and parking.

Site Geology and Hydrogeology: The site is relatively flat. The elevation of the site is approximately 3 feet above mean sea level. The site is located adjacent to a tidal wetland and is in a 100-year flood zone.

The site is underlain by historic fill to a depth of approximately 20 feet below grade. The fill layer consists of course sand, silt, gravel, tar, brick, and concrete fragments. Beneath the fill layer are native deposits consisting of sand and silt. Bedrock was not encountered during the investigations but based on regional geological data bedrock is expected to be present at depths greater than 70 feet below grade. Groundwater was found at depths ranging from 5 to 8 feet below grade, and flows west towards the East River, located immediately west of the site.

A site location map is attached as Figure 1. A site map is attached as Figure 2.

SECTION 4: LAND USE AND PHYSICAL SETTING

The Department may consider the current, intended, and reasonably anticipated future land use of the site and its surroundings when evaluating a remedy for soil remediation. For this site, alternatives (or an alternative) that restrict(s) the use of the site to restricted-residential use (which allows for commercial use and industrial use) as described in Part 375-1.8(g) were/was evaluated in addition to an alternative which would allow for unrestricted use of the site.

A comparison of the results of the Remedial Investigation (RI) to the appropriate standards, criteria and guidance values (SCGs) for the identified land use and the unrestricted use SCGs for the site contaminants is available in the RI Report.

SECTION 5: ENFORCEMENT STATUS

The Applicant under the Brownfield Cleanup Agreement is a Participant. The Applicant has an obligation to address on-site and off-site contamination. However, the Department has determined that the site does not pose a significant threat to public health or the environment; accordingly, no enforcement actions are necessary.

SECTION 6: SITE CONTAMINATION

6.1: Summary of the Remedial Investigation

A remedial investigation (RI) serves as the mechanism for collecting data to:

- characterize site conditions;
- determine the nature of the contamination; and
- assess risk to human health and the environment.

The RI is intended to identify the nature (or type) of contamination which may be present at a site and the extent of that contamination in the environment on the site, or leaving the site. The RI reports on data gathered to determine if the soil, groundwater, soil vapor, indoor air, surface water or sediments may have been contaminated. Monitoring wells are installed to assess groundwater

and soil borings or test pits are installed to sample soil and/or waste(s) identified. If other natural resources are present, such as surface water bodies or wetlands, the water and sediment may be sampled as well. Based on the presence of contaminants in soil and groundwater, soil vapor will also be sampled for the presence of contamination. Data collected in the RI influence the development of remedial alternatives. The RI report is available for review in the site document repository and the results are summarized in section 6.3.

The analytical data collected on this site includes data for:

- groundwater
- soil
- soil vapor

6.1.1: Standards, Criteria, and Guidance (SCGs)

The remedy must conform to promulgated standards and criteria that are directly applicable or that are relevant and appropriate. The selection of a remedy must also take into consideration guidance, as appropriate. Standards, Criteria and Guidance are hereafter called SCGs.

To determine whether the contaminants identified in various media are present at levels of concern, the data from the RI were compared to media-specific SCGs. The Department has developed SCGs for groundwater, surface water, sediments, and soil. The NYSDOH has developed SCGs for drinking water and soil vapor intrusion. For a full listing of all SCGs see: http://www.dec.ny.gov/regulations/61794.html

6.1.2: RI Results

The data have identified contaminants of concern. A "contaminant of concern" is a contaminant that is sufficiently present in frequency and concentration in the environment to require evaluation for remedial action. Not all contaminants identified on the property are contaminants of concern. The nature and extent of contamination and environmental media requiring action are summarized below. Additionally, the RI Report contains a full discussion of the data. The contaminant(s) of concern identified at this site is/are:

naphthalene	lead
benzo(a)anthracene	mercury
benzo(a)pyrene	cadmium
benzo(b)fluoranthene	arsenic
benzo(k)fluoranthene	copper
dibenz[a,h]anthracene	1,1,1-trichloroethane(TCA)
indeno(1,2,3-cd)pyrene	tetrachloroethene (PCE)
chrysene	trichloroethene (TCE)
phenanthrene	trichloromonofluoromethane

The contaminant(s) of concern exceed the applicable SCGs for:

- groundwater
- soil

6.2: Interim Remedial Measures

An interim remedial measure (IRM) is conducted at a site when a source of contamination or exposure pathway can be effectively addressed before issuance of the Decision Document.

There were no IRMs performed at this site during the RI.

6.3: Summary of Environmental Assessment

This section summarizes the assessment of existing and potential future environmental impacts presented by the site. Environmental impacts may include existing and potential future exposure pathways to fish and wildlife receptors, wetlands, groundwater resources, and surface water. The RI report presents a detailed discussion of any existing and potential impacts from the site to fish and wildlife receptors.

Soil and groundwater samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, emerging contaminants, and metals. Soil vapor samples were analyzed for VOCs. Based upon investigations conducted to date, the primary contaminants of concern for the site include VOCs, SVOCs, and metals in soil, SVOCs in groundwater and VOCs in soil vapor.

Soil: One VOC (naphthalene), eight SVOCs [all polycyclic aromatic hydrocarbons (PAHs)], and five metals were detected above the applicable restricted-residential soil cleanup objectives (RRSCOs) in site soils. Four of these SVOCs were also detected in groundwater and exceed protection of groundwater soil cleanup objectives (PGWSCOs) in the soil. Naphthalene was detected at a maximum concentration of 140 parts per million (ppm), exceeding the RRSCO of 100 ppm. SVOCs detected include benzo(a)anthracene at a maximum concentration of 42 ppm ((RRSCO 1 ppm) (PGWSCO 1 ppm)), benzo(a)pyrene at a maximum concentration of 54 ppm ((RRSCO 1 ppm) (PGWSCO 22 ppm)), benzo(b)fluoranthene at a maximum concentration of 57 ppm ((RRSCO 1 ppm) (PGWSCO 1.7ppm)), benzo(k)fluoranthene at a maximum concentration of 17 ppm (RRSCO 3.9 ppm), chrysene at a maximum concentration of 36 ppm (RRSCO 3.9 ppm), dibenzo(a,h)anthracene at a maximum concentration of 8.3 ppm (RRSCO 0.33 ppm), indeno(1,2,3-cd)pyrene at a maximum concentration of 36 ppm ((RRSCO 0.5 ppm) (PGWSCO 8.2 ppm)), and phenanthrene at a maximum concentration of 120 ppm (RRSCO 100 ppm). Metals that were detected include lead at a maximum concentration of 2,530 ppm (RRSCO 400 ppm), mercury at a maximum concentration of 2 ppm (RRSCO 0.81 ppm), cadmium at a maximum concentration of 8.61 ppm (RRSCO 4.3 ppm), arsenic at a maximum concentration of 71.4 ppm (RRSCO 16 ppm), and copper at a maximum concentration of 1590 ppm (RRSCO 270 ppm). Per- and polyfluoroalkyl substances (PFAS) were not detected at concentrations exceeding the restricted-residential or protection of groundwater soil cleanup objectives. Data does not indicate any off-site impacts in soil related to this site.

Groundwater: There were no detections of VOCs, PCBs, or pesticides above Ambient Water Quality Standards (AWQS) in site groundwater. SVOCs detected at concentrations exceeding the AWQS in site groundwater include beno(a)anthracene at a maximum concentration of 0.04 parts per billion, or ppb (AWQS is 0.002 ppb), benzo(a)pyrene at a maximum concentration of 0.06 ppb (AWQS is non-detect), benzo(b)fluoranthene at a maximum concentration of 0.03 ppb (AWQS 0.002 ppb) and indeno(1,2,3-cd)pyrene at a maximum concentration of 0.06 ppb (AWQS 0.002 ppb). Metals that were found at concentrations exceeding the AWQS in site groundwater samples include antimony at a maximum concentration of 0.00411 ppb (AWQS 0.003 ppb), iron at a maximum concentration of 35.4 ppb (AWQS 0.3 ppb), magnesium at a maximum concentration of 103 ppb (AWQS 35 ppb), and manganese at a maximum concentration of 4.574 ppb (AWQS 0.3 ppb). The metals observed above AWQS in groundwater are naturally occurring.

The PFAS perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic Acid (PFOS) were detected in site groundwater at concentrations exceeding their maximum contaminant level (MCL) of 10 ppt each at maximum concentrations of 78.7 and 44.1 ppt, respectively. MCL is a drinking water standard being used in the absence of an ambient groundwater quality standard.

Data does not indicate any off-site impacts in groundwater related to this site.

Soil Vapor: Soil Vapor samples were collected from locations beneath the existing warehouse buildings. 1,1,1-TCA was detected at a maximum concentration of 47.6 micrograms per cubic meter (ug/m3), PCE was detected at a maximum concentration of 304 ug/m3, TCE was detected at a maximum concentration of 14.1 ug/m3, and trichlorofluoromethane was detected at a maximum concentration of 52.7 ug/m3. Data does not indicate any off-site impacts on soil vapor related to the site.

6.4: Summary of Human Exposure Pathways

This human exposure assessment identifies ways in which people may be exposed to site-related contaminants. Chemicals can enter the body through three major pathways (breathing, touching or swallowing). This is referred to as *exposure.*

People will not come into contact with contaminated soil or groundwater unless they dig below ground surface. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in soil vapor (air spaces within the soil) may move into buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site-related contaminants due to soil vapor intrusion does not represent a current concern. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future on-site redevelopment and occupancy. Environmental sampling indicates soil vapor intrusion is not a concern for off-site buildings.

6.5: Summary of the Remediation Objectives

The objectives for the remedial program have been established through the remedy selection process stated in 6 NYCRR Part 375. The goal for the remedial program is to restore the site to pre-disposal conditions to the extent feasible. At a minimum, the remedy shall eliminate or mitigate all significant threats to public health and the environment presented by the contamination identified at the site through the proper application of scientific and engineering principles.

The remedial action objectives for this site are:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.

RAOs for Environmental Protection

- Remove the source of ground or surface water contamination.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

SECTION 7: ELEMENTS OF THE SELECTED REMEDY

The alternatives developed for the site and the evaluation of the remedial criteria are presented in the Alternative Analysis. The remedy is selected pursuant to the remedy selection criteria set forth in DER-10, Technical Guidance for Site Investigation and Remediation and 6 NYCRR Part 375.

The selected remedy is a Track 4: Restricted use with site-specific soil cleanup objectives remedy.

The selected remedy is referred to as the Excavation with Cover System and Site Management remedy.

The elements of the selected remedy, as shown in Figure 3-5, are as follows:

1. Remedial Design
A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31. The major green remediation components are as follows:

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gases and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;
- Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;
- Maximizing habitat value and creating habitat when possible;
- Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals;
- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development; and
- Additionally, to incorporate green remediation principles and techniques to the extent feasible in the future development at this site, any future on-site buildings will include, at a minimum, a 20-mil vapor barrier/waterproofing membrane on the foundation to improve energy efficiency as an element of construction.

2. Excavation
The existing on-site buildings will be demolished and materials which can't be beneficially reused on site will be taken off-site for proper disposal in order to implement the remedy.

Excavation and off-site disposal of contaminant source areas, including:

- soil exceeding the 6 NYCRR Part 371 hazardous criteria for lead;
- any underground storage tanks (USTs), fuel dispensers, underground piping or other structures associated with a source of contamination.

In addition, all on-site soils and historic fill which exceed restricted-residential and protection of groundwater SCOs, as defined by 6 NYCRR Part 375-6.8, in the upper two feet will be excavated and transported off-site for disposal. Approximately 1,600 cubic yards of contaminated soil is planned for removal.

3. Backfill
On-site soil which does not exceed the above excavation criteria or the protection of groundwater SCOs for any constituent may be used below the cover system described in remedy element 4 to backfill the excavation and establish the designed grades at the site. Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to replace the excavated soil or complete the backfilling of the excavation and establish the designed grades at the site.

4. Cover System
A site cover will be required to allow for restricted residential use of the site in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where a soil cover is to be used it will be a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.

5. Institutional Controls
Imposition of an institutional control in the form of an environmental easement for the controlled property which will:

- require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allow the use and development of the controlled property for restricted residential use or commercial use or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOHMH; and
- require compliance with the Department approved Site Management Plan.

6. Site Management Plan
A Site Management Plan is required, which includes the following:

a. An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

Institutional Controls: The Environmental Easement discussed in Paragraph 5 above.

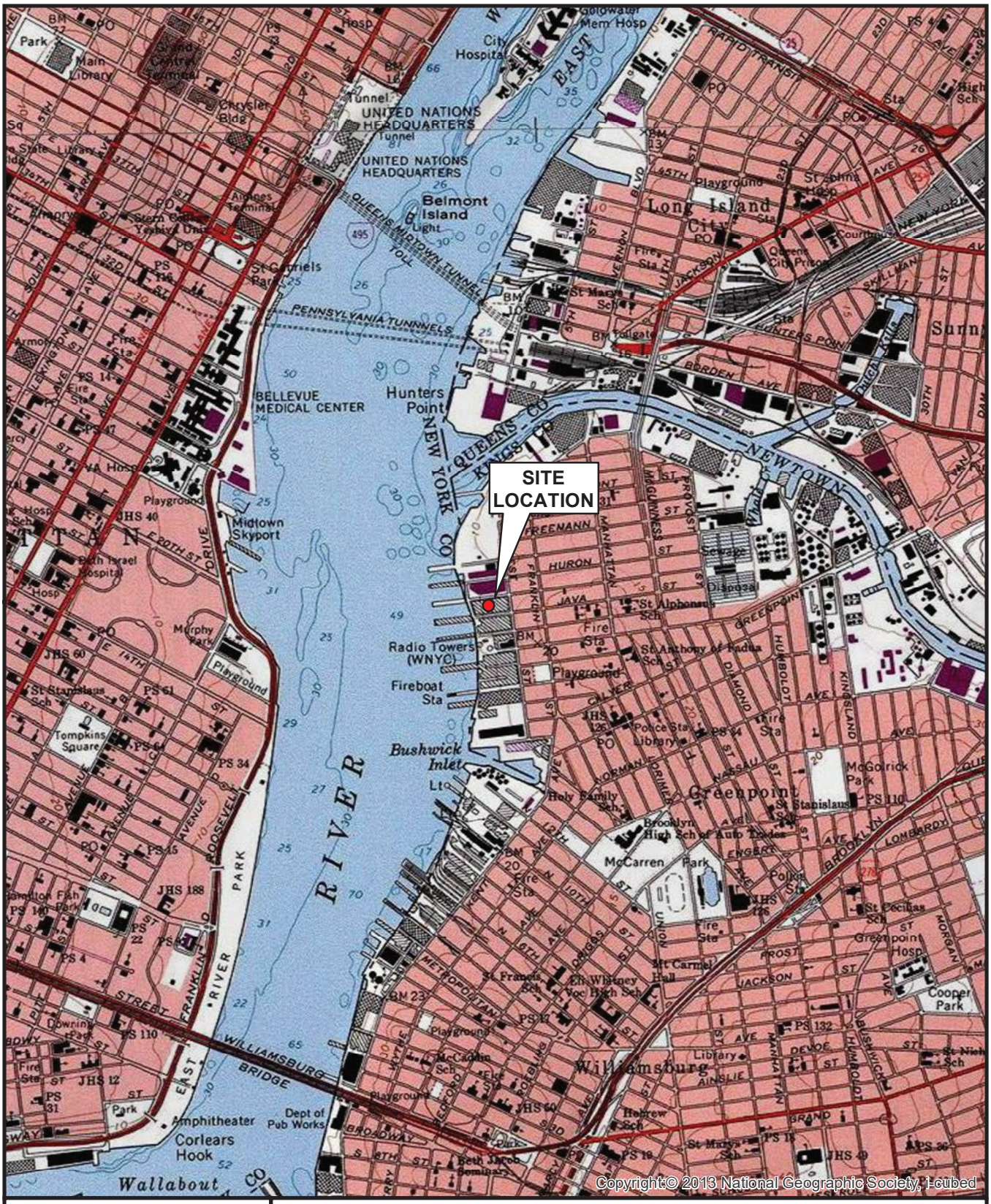
Engineering Controls: The cover system discussed in Paragraph 4 above.
This plan includes, but may not be limited to:

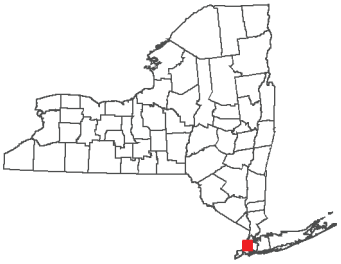
- an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
- descriptions of the provisions of the environmental easement including any land use, and groundwater use restrictions;
- a provision for evaluation of the potential for soil vapor intrusion for any occupied buildings on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;

- a provision that should a building foundation or building slab be removed in the future, a cover system consistent with that described in Paragraph 4 above will be placed in any areas where the upper two feet of exposed surface soil exceed the applicable soil cleanup objectives (SCOs);
- provisions for the management and inspection of the identified engineering controls;
- maintaining site access controls and Department notification; and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b. A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
   - monitoring of groundwater to assess the performance and effectiveness of the remedy;
   - a schedule of monitoring and frequency of submittals to the Department;
   - monitoring for vapor intrusion for any buildings on the site, as may be required by the Institutional and Engineering control plan discussed above.

c. An Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, inspection, and reporting of any mechanical or physical components of active vapor mitigation system(s), if needed. The plan includes, but is not limited to:
   - procedures for operating and maintaining the system(s); and
   - compliance inspection of the system to ensure proper O&M as well as providing the data for any necessary reporting.





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Figure 1

Site Location Map

Greenpoint Ferry Site
City of Brooklyn, Kings County
Site No. C224272

NEW YORK STATE OF OPPORTUNITY
Department of Environmental Conservation



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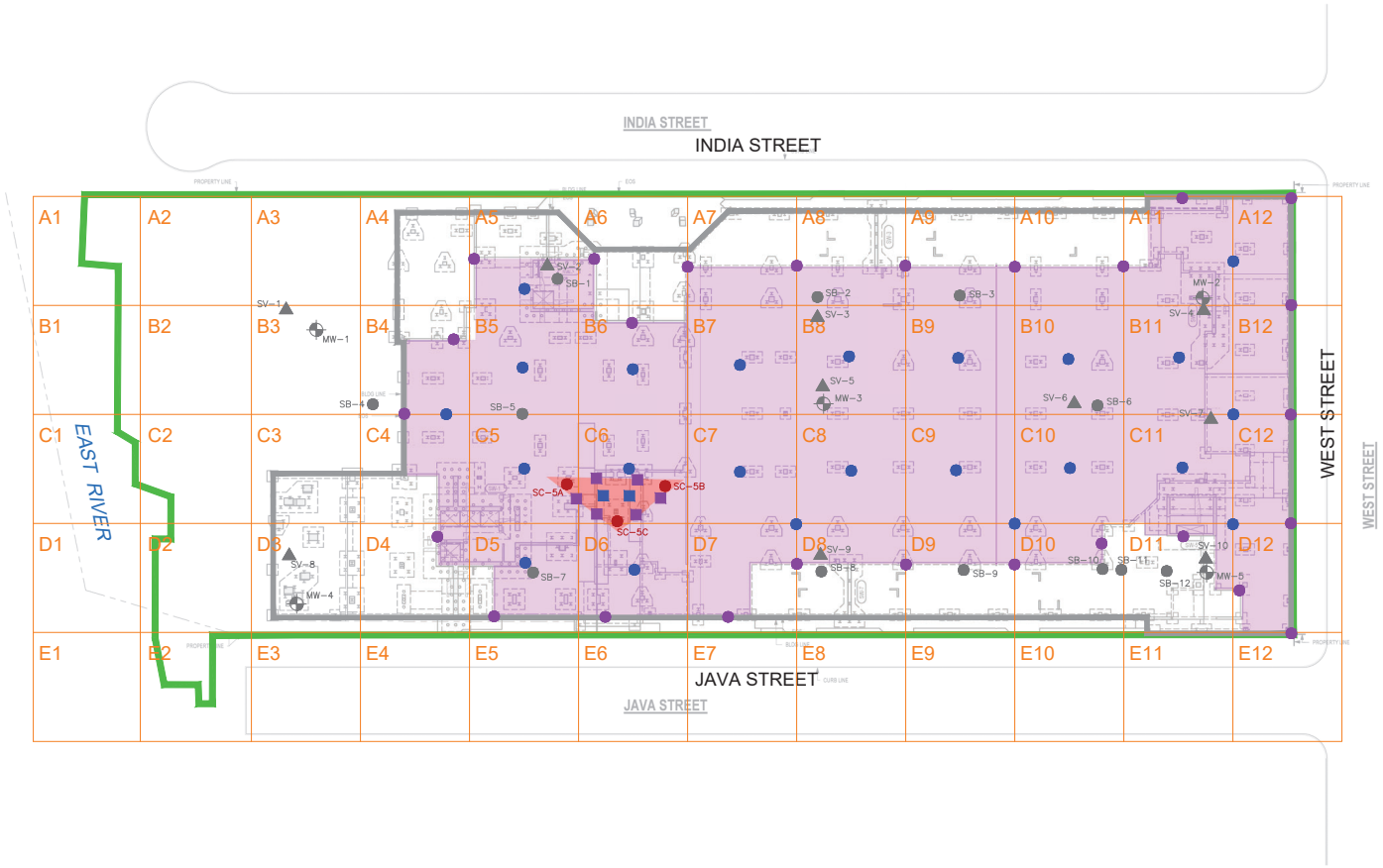
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Figure 2: Site Map

Greenpoint Ferry Site

127-141 West Street
City of Brooklyn, Kings County
Site No. C224272

NEW YORK STATE OF OPPORTUNITY
Department of Environmental Conservation



LEGEND

- BCP SITE BOUNDARY
- APPROXIMATE EXTENT OF PROPOSED BUILDING
- SB-1 — LOCATION AND DESIGNATION OF SOIL BORING
- MW-1 — LOCATION AND DESIGNATION OF MONITORING WELL
- SV-1 — LOCATION AND DESIGNATION OF SOIL VAPOR MONITORING POINT
- LOCATION OF PROPOSED DOCUMENTATION BOTTOM SAMPLE
- LOCATION OF PROPOSED DOCUMENTATION SIDEWALL SAMPLE
- LOCATION OF PROPOSED CONFIRMATORY BOTTOM SAMPLE
- LOCATION OF PROPOSED CONFIRMATORY SIDEWALL SAMPLE
- 50 FT ALPHANUMERIC GRID
- PROPOSED REMEDIAL EXCAVATION TO 24-INCHES BLS AND SITE COVER
- SC-5A — LOCATION AND DESIGNATION OF 3-POINT COMPOSITE IN SITU WASTE CHARACTERIZATION SOIL SAMPLE WITH TCLP LEAD EXCEEDANCE
- PROPOSED LIMITS OF LEAD HOTSPOT EXCAVATION: 5FT BLS (SEE APPENDIX I FOR DETAILS)

ENGINEERED COMPOSITE COVER SYSTEM WILL BE CONSTRUCTED OVER THE ENTIRE BCP SITE

NOTES

1. SEE APPENDIX C OF RAWP FOR COMPLETE WASTE CHARACTERIZATION REPORT.
2. SEE APPENDIX I OF RAWP FOR COMPLETE 2021 REUSE/WASTE CHARACTERIZATION REPORT
3. BCP – BROWNFIELD CLEANUP PROGRAM
4. RAWP – REMEDIAL ACTION WORK PLAN
5. BLS – BELOW LAND SURFACE
6. ENTIRE SITE AREA IS TRACK 4

40' 0 40'

Title:

REMEDIAL ALTERNATIVE 2

REMEDIAL EXCAVATION SOIL CUT PLAN (TRACK 4 RESTRICTED RESIDENTIAL USE)

GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

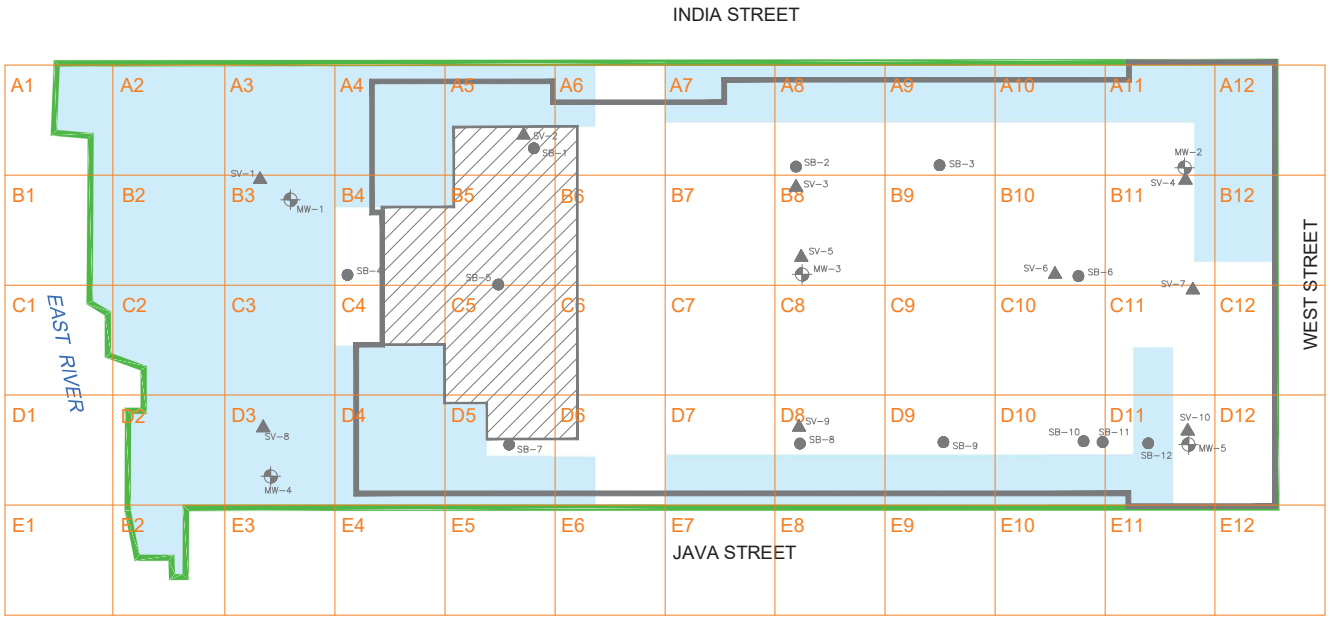
Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: N.P.	Date: 14DEC21	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	3
Project Mgr: N.P.	Project: 3583.0001Y000	
File: 3583.0001Y107.07.DWG		

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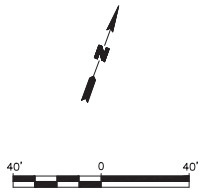
LEGEND

- BCP SITE BOUNDARY
- APPROXIMATE EXTENT OF PROPOSED BUILDING
- APPROXIMATE EXTENT OF PROPOSED CELLAR
- SB-1 LOCATION AND DESIGNATION OF SOIL BORING
- MW-1 LOCATION AND DESIGNATION OF MONITORING WELL
- SV-1 LOCATION AND DESIGNATION OF SOIL VAPOR MONITORING POINT
- 50 FT ALPHANUMERIC GRID
- PROPOSED FILL AREA AND CONSTRUCTION OF SITE COVER

ENGINEERED COMPOSITE COVER SYSTEM WILL BE CONSTRUCTED OVER THE ENTIRE BCP SITE

NOTES

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REMEDIAL ALTERNATIVE 2
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(TRACK 4 RESTRICTED RESIDENTIAL USE)

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BROOKLYN, NEW YORK

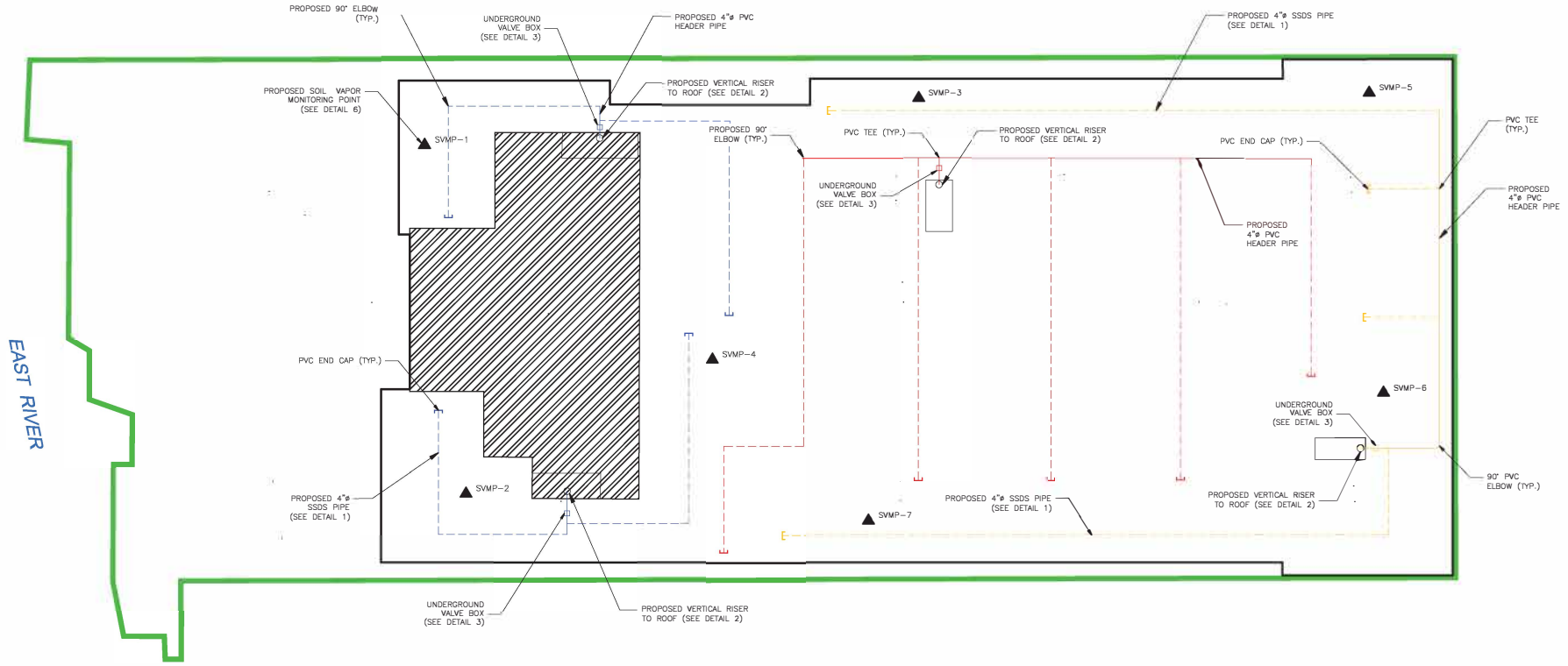
Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: E.B.	Date: 19MAY21	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	4
Project Mgr: J.W.	Project: 3583.0001Y000	
File: 3583.0001Y107.07.DWG		

V:\CAD\PROJECTS\3583Y000\1Y107\3583.0001Y107.07.DWG



LEGEND

1) THE FOUNDATION PLAN WAS NOT AVAILABLE AT THE TIME OF THIS PRELIMINARY DESIGN. SUB-SLAB DEPRESSURIZATION SYSTEM SITE LAYOUT IS SUBJECT TO CHANGE BASED ON LOCATION OF FOUNDATIONS.
2) SUB-SLAB DEPRESSURIZATION SYSTEM PIPING SHALL BE THE LAST SUBSURFACE UTILITY PLACED BEFORE SLAB IS POURED.
3) CONTRACTOR SHALL COORDINATE INSTALLATION OF SUB-SLAB DEPRESSURIZATION PIPING WITH THE FOUNDATION, PLUMBING, MECHANICAL, GEOTHERMAL, AND ELECTRICAL CONTRACTORS.
4) CONTRACTOR SHALL FIELD VERIFY THE DESIGN INVERT ELEVATIONS (BOTTOM OF PIPING) FOR THE WALL PENETRATIONS. THE CONTRACTOR SHALL ALSO FIELD VERIFY THE HORIZONTAL OFFSETS FOR THE LOCATIONS OF THE VERTICAL RISER.
5) SUB-SLAB DEPRESSURIZATION SYSTEM IS NOT PROPOSED BELOW CELLAR TO PREVENT POTENTIAL INFILTRATION OF SHALLOW GROUNDWATER INTO THE SYSTEM.
6) RISERS FOR SUB-SLAB DEPRESSURIZATION SYSTEM SHALL TERMINATE ON ROOF OF LOW-RISE PORTION OF BUILDING.
7) PASSIVE SUB-SLAB DEPRESSURIZATION SYSTEM WAS SIZED FOR POTENTIAL CONVERSION TO AN ACTIVE SYSTEM. CONVERSION TO ACTIVE SYSTEM IS NOT ANTICIPATED.

LEGEND

- EXTENT OF AVSEC BROWNFIELDS SITE
- APPROXIMATE EXTENT OF PROPOSED BUILDING
- APPROXIMATE EXTENT OF PROPOSED CELLAR
- ZONE 1 SSDS PI PI NETWORK (BENEATH FI RST FLOOR)
- ZONE 2 SSDS PI PI NG NETWORK (BENEATH FIRST FLOOR)
- ZONE 3 SSDS PIP NG NETWORK (BENEATH PARKI NG GARAGE)

NO.	DATE	REVISION DESCRIPTION	INT.

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THESE DOCUMENTS (OR COPIES OF ANY THEREOF) PREPARED BY OR BEARING THE SEAL OF THE ENGINEER, SHALL NOT BE REUSED FOR ANY EXTENSIONS OF THE PROJECT OR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

PROJ. ENGINEER:		DRAWN BY: N.P.	
DESIGNED BY: N.P.		CHECKED BY:	
DRAWING SCALE: AS SHOWN		PLOT SCALE: 1:1	
DRAWING DATE: 20APR21		PR TYPE: CLR	
OFFICE: NY		PAI SIZE: ARCH D	
PROJECT NO.: 3002.0004YC	00		
DRAWING FILE: 3583.000 1Y1 07 REM DWG			

ROUX

Roux Environmental Engineering and Geology, D.P.C.
209 SHAFTER STREET ISLANDIA NEW YORK 11749
(631) 232-2600

PROJECT NAME: GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

PROJECT FOR: 1 JAVA OWNER, LLC

TITLE: PASSIVE SUB-SLAB DEPRESSURIZATION SYSTEM SITE PLAN

DRAWING NO. 5

DRAWING 1 OF 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
625 Broadway, 12th Floor, Albany, New York 12233-7011
P: (518) 402-9706 | F: (518) 402-9020
www.dec.ny.gov

Transmitted via e-mail

April 5, 2022

Isaac Henderson
1 Java Owner LLC
200 Park Avenue, 9th Floor
New York, NY 10166
isaac.henderson@lendlease.com

Re: Change of Use Notification
Greenpoint Ferry Site
NYSDEC Site No.: C224272

Dear Isaac Henderson:

This acknowledges our receipt of your March 10, 2022 letter notifying the New York State Department of Environmental Conservation ("DEC") of a change of use regarding the subject site in accordance with 6 NYCRR 375-1.11(d). This acknowledgment is not intended to imply approval or concurrence with the proposed change of use.

The change of use includes commencement of work pursuant to NYSDEC's Permit No. 2-6101-0127/00008, including installation of a portion of the bulkhead which will take place within the BCP site. Due to lack of sufficient environmental sampling data received by DEC prior to the proposed work, any work completed at this time cannot be considered related to remedial activities, including remedial action, under the BCP. However, any and all intrusive work requires implementation of a Community Air Monitoring Plan (CAMP), Excavation Work Plan, and Soils/Material Management Plan. Failure to comply with these requirements may constitute a violation of 6 NYCRR part 375-1.11(b)(2)(ii). If, in the future, the Applicant expects to include this work as necessary for remediation, it is recommended that (1) the appropriate number of environmental samples, for both the material removed and end-point documentation, are collected; and (2) the foundation element does not interfere with or prohibit the implementation of the final remedy or collection of the final remedial confirmation samples. All environmental samples analyzed must have Category B deliverables and Data Usability Summary Reports (DUSRs).

We appreciate your attention to this matter. If you have any questions or need additional information, you may contact me at the address given above or at richard.mustico1@dec.ny.gov.

Sincerely,



Richard P. Mustico. E.I.T.
Project Manager
Remedial Section B

ec: G. Burke, J. O'Connell, J. Andaloro, H. Leibowitz – NYSDEC
S. McLaughlin, M. Doroski, J. Robinson – NYSDOH
Robert Kovacs – Roux Associates, Inc.
Christie Walker – 1 Java Owner LLC
Michael Bogin – Sive, Paget & Riesel, PC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor, Albany, NY 12233-7016
P: (518) 402-9767 I F: (518) 402-9773
www.dec.ny.gov

Transmitted via e-mail

August 10, 2022

Christie Walker
1 Java Owner LLC
200 Park Avenue, 9th Floor
New York, NY 10166
christie.walker@lendlease.com

Re: Greenpoint Ferry Site
BCP Site ID No. C224272
Kings County, City of New York
Soil Reuse Request

Dear Christie Walker:

The New York State Department of Environmental Conservation (the Department) has reviewed the request dated August 3, 2022, to reuse 6,100 cubic yards of additional soil at the Greenpoint Ferry site. Based on the information provided, the request is hereby approved.

Based on the results of the remedial investigation, the contaminants in soils are not an ongoing source of contamination at the site, are not characteristically hazardous, and show no evidence of gross contamination. Therefore, this material may be placed below the demarcation layer and above the water table.

Should you have any questions regarding this communication, don't hesitate to contact me at (518) 402-9647 or richard.mustico1@dec.ny.gov.

Sincerely,

Richard P. Mustico, E.I.T.
Project Manager
Remedial Section B
Division of Environmental Remediation

ec:
Gerard Burke, gerard.burke@dec.ny.gov
William Bennett, william.bennett@dec.ny.gov
Jane O'Connell, jane.oconnell@dec.ny.gov
Scarlett McLaughlin, scarlett.mclaughlin@health.ny.gov
Melissa Doroski, melissa.doroski@health.ny.gov
Johnathan Robinson, johnathan.robinson@health.ny.gov
Rob Kovacs, rkovacs@rouxinc.com
DECDOCS

Outlook

[Draft] RE: Greenpoint Ferry/Java Street (BCP C224272) - Construction Sequencing and Request to Modify CAMP

From

From: Mustico, Richard P (DEC)
Sent: Tuesday, July 2, 2024 1:28 PM
To: Robert Kovacs <rkovacs@rouxinc.com>; Bennett, William B (DEC) <william.bennett@dec.ny.gov>; Robinson, Johnathan M (HEALTH) <Johnathan.Robinson@health.ny.gov>
Cc: Emily Butler <ebutler@rouxinc.com>
Subject: RE: Greenpoint Ferry/Java Street (BCP C224272) - Construction Sequencing and Request to Modify CAMP

Hi Rob,

DEC and DOH agree with the below request to modify the CAMP for the Greenpoint Ferry Site BCP No. C224272.

This e-mail serves as acceptance to the request. Please ensure a final copy of the request and this e-mail is placed in the site repository.

Thank you, Richard.

Richard P. Mustico

he/him/his

Assistant Engineer (Environmental), Division of Environmental Remediation

New York State Department of Environmental Conservation

625 Broadway, Albany, NY 12233-7016

P: 518-402-9647| F: 518-402-9627| richard.mustico1@dec.ny.gov

www.dec.ny.gov |

From: Robert Kovacs <rkovacs@rouxinc.com>
Sent: Monday, June 24, 2024 3:49 PM
To: Mustico, Richard P (DEC) <richard.mustico1@dec.ny.gov>; Bennett, William B (DEC) <william.bennett@dec.ny.gov>; Robinson, Johnathan M (HEALTH) <Johnathan.Robinson@health.ny.gov>
Cc: Emily Butler <ebutler@rouxinc.com>
Subject: RE: Greenpoint Ferry/Java Street (BCP C224272) - Construction Sequencing and Request to Modify CAMP

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Richard,

Thank you for the very prompt review! These modifications are not a problem at all, as we were anticipating their implementation, but good idea to add them to the plan for clarity.

Please see the attached PDF document, with these modifications added. Also attached is the Word document, with these modifications in redline for ease of review.

Please let me know if you have any questions or would like to discuss at all.

Thank you,

Rob

Robert Kovacs, P.G. (NY), LSRP (NJ) | Principal Environmental Scientist

209 Shafter Street, Islandia, New York 11749
Main: 631-232-2600 | Direct: 631-630-2320 | Mobile: 516-250-0359
Email: rkovacs@rouxinc.com | Website: www.rouxinc.com

ROUX

California | Illinois | Massachusetts | New Jersey | New York | Texas

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Cc: Emily Butler <ebutler@rouxinc.com>
Subject: RE: Greenpoint Ferry/Java Street (BCP C224272) - Construction Sequencing and Request to Modify CAMP

This message originated outside your organization. Please use caution!

Hi Rob,

After preliminary review, DEC and DOH request the follow modifications be added to the request before approval can be made:

1. If ground intrusive work resumes for any reason CAMP air monitoring and daily observations will too.
2. The contractor will continue to mitigate any potential dust or odor emissions from the Site using best practices, such as the utilization of water, after the suspension of CAMP air monitoring.

Please let me know if you have any questions. Thank you, Richard.

Richard P. Mustico

he/him/his

Assistant Engineer (Environmental), Division of Environmental Remediation

New York State Department of Environmental Conservation

625 Broadway, Albany, NY 12233-7016

P: 518-402-9647| F: 518-402-9627| richard.mustico1@dec.ny.gov

www.dec.ny.gov | | |

From: Robert Kovacs <rkovacs@rouxinc.com>
Sent: Monday, June 24, 2024 9:33 AM
To: Mustico, Richard P (DEC) <richard.mustico1@dec.ny.gov>; Bennett, William B (DEC) <william.bennett@dec.ny.gov>; Robinson, Johnathan M (HEALTH) <Johnathan.Robinson@health.ny.gov>
Cc: Emily Butler <ebutler@rouxinc.com>
Subject: Greenpoint Ferry/Java Street (BCP C224272) - Construction Sequencing and Request to Modify CAMP

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Richard, Bill, Johnathan,

I hope all is well, and you are having a great start to summer. As previously discussed, construction is progressing very nicely at the Greenpoint Ferry/Java Street site (BCP C224272) in Greenpoint, Brooklyn. Soon, the permanent cover system associated with the building footprint (covers approx. 90% of the site) will be completed. At this point, Lendlease will continue focus on construction of the building/towers superstructure, and pause work in the remaining greenspace area (approximately 10% of the site) for several months. As previously discussed, we would like to place a temporary gravel cover in this small area of the site (to prevent contact, prevent windblown dust, and allow for proper drainage), and temporarily pause

CAMP and full-time project oversight. Note, this part of the site is surrounded by construction fence, and full time security to prevent trespassers. Once invasive work/soil disturbance and handling resumes in this area, Roux would of course resume full time CAMP and oversight.

Please find the attached memo providing details on this plan for your review and approval. Once the temporary cover is in place (note, we will submit a formal request to NYSDEC prior to importing this stone), we are proposing Roux conduct bi-weekly site inspections and reporting to NYSDEC/NYSDOH.

Please let me know if you have any questions during your review of this plan. We are hopeful to receive NYSDEC/NYSDOH feedback and approval ASAP, as construction is progressing very rapidly, and we will be in the position to import this temporary cap within the next 2-weeks, following approval.

Thank you,

Rob

Robert Kovacs, P.G. (NY), LSRP (NJ) | Principal Environmental Scientist

209 Shafter Street, Islandia, New York 11749
Main: 631-232-2600 | Direct: 631-630-2320 | Mobile: 516-250-0359
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ROUX

California | Illinois | Massachusetts | New Jersey | New York | Texas

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NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Acting Commissioner

Transmitted via e-mail

November 17, 2025

Layth Madi
1 Java Owner LLC
300 Park Avenue, Suite 1402
New York, NY 10022
layth.madi@lendlease.com

RE: Greenpoint Ferry Site
BCP Site ID No. C224272
Kings County, City of New York
Soil Vapor Intrusion Evaluation Work Plan, November 4, 2025

Dear Christie Walker,

The New York State Department of Environmental Conservation (DEC) in consultation with the New York State Department of Health (DOH) has reviewed the Soil Vapor Intrusion Evaluation Work Plan (SVIEWP) for the Greenpoint Ferry Site, BCP No. C224272, submitted on behalf of 1 Jave Owner LLC (Volunteer) by Roux Environmental Engineering and Geology, D.P.C. (Roux) dated November 4, 2025. Based on this review, the SVIEWP is approved. NYSDEC and NYSDOH will review the resulting information and decide at that time if additional sampling will be needed based on results, seasonal variations, or other observations. NYSDOH and NYSDEC cannot provide any concurrence or guarantee surrounding the number of sampling events that will be required to satisfy the requirements set forth in the Site Management Plan and Decision Document.

If you have any questions, or would like to discuss further, please contact me at richard.mustico1@dec.ny.gov or by calling (518) 402-9647.

Sincerely,

Richard P. Mustico, P.E.
Project Manager
Remedial Section B

ec: Scott Deyette, scott.deyette@dec.ny.gov
William Bennett, william.bennett@dec.ny.gov
Jane O'Connell, jane.oconnell@dec.ny.gov
Justin Deming, justin.deming@health.ny.gov
Scarlett McLaughlin, scarlett.mclaughlin@health.ny.gov
Johnathan Robinson, johnathan.robinson@health.ny.gov
Jessica Taylor, jtaylor@rouxinc.com
DECDOCS

Outlook

[Draft] RE: Greenpoint Ferry/Java Street (BCP C224272) - Construction Sequencing and Request to Modify CAMP

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Cc: Emily Butler <ebutler@rouxinc.com>
Subject: RE: Greenpoint Ferry/Java Street (BCP C224272) - Construction Sequencing and Request to Modify CAMP

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Thank you, Richard.

Richard P. Mustico

he/him/his

Assistant Engineer (Environmental), Division of Environmental Remediation

New York State Department of Environmental Conservation

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Please let me know if you have any questions. Thank you, Richard.

Richard P. Mustico

he/him/his

Assistant Engineer (Environmental), Division of Environmental Remediation

New York State Department of Environmental Conservation

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Richard, Bill, Johnathan,

I hope all is well, and you are having a great start to summer. As previously discussed, construction is progressing very nicely at the Greenpoint Ferry/Java Street site (BCP C224272) in Greenpoint, Brooklyn. Soon, the permanent cover system associated with the building footprint (covers approx. 90% of the site) will be completed. At this point, Lendlease will continue focus on construction of the building/towers superstructure, and pause work in the remaining greenspace area (approximately 10% of the site) for several months. As previously discussed, we would like to place a temporary gravel cover in this small area of the site (to prevent contact, prevent windblown dust, and allow for proper drainage), and temporarily pause

CAMP and full-time project oversight. Note, this part of the site is surrounded by construction fence, and full time security to prevent trespassers. Once invasive work/soil disturbance and handling resumes in this area, Roux would of course resume full time CAMP and oversight.

Please find the attached memo providing details on this plan for your review and approval. Once the temporary cover is in place (note, we will submit a formal request to NYSDEC prior to importing this stone), we are proposing Roux conduct bi-weekly site inspections and reporting to NYSDEC/NYSDOH.

Please let me know if you have any questions during your review of this plan. We are hopeful to receive NYSDEC/NYSDOH feedback and approval ASAP, as construction is progressing very rapidly, and we will be in the position to import this temporary cap within the next 2-weeks, following approval.

Thank you,

Rob

Robert Kovacs, P.G. (NY), LSRP (NJ) | Principal Environmental Scientist

209 Shafter Street, Islandia, New York 11749
Main: 631-232-2600 | Direct: 631-630-2320 | Mobile: 516-250-0359
Email: rkovacs@rouxinc.com | Website: www.rouxinc.com

ROUX

California | Illinois | Massachusetts | New Jersey | New York | Texas

Please consider the environment before printing this email.

NOTICE: This electronic communication, including any authorized attachments, contains information that may be legally privileged, protected, confidential and/or exempt from disclosure or certain types of use under applicable law. This information is for the sole use of the intended recipient(s). If you are not the intended recipient(s) or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any review, use, disclosure, copying, distribution or the taking of any action in reliance on the contents of this e-mail or any attachments is strictly prohibited. You are further advised that review by an individual other than the intended recipient(s) shall not constitute a waiver of any attorney-client privilege which may apply to this communication. If you have received this communication in error, please notify the sender immediately by return e-mail, permanently delete this e-mail and any attachments from all computers on which they may be stored and destroy any print-outs of this email and any attachments.

NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Acting Commissioner

Transmitted via e-mail

November 17, 2025

Layth Madi
1 Java Owner LLC
300 Park Avenue, Suite 1402
New York, NY 10022
layth.madi@lendlease.com

RE: Greenpoint Ferry Site
BCP Site ID No. C224272
Kings County, City of New York
Soil Vapor Intrusion Evaluation Work Plan, November 4, 2025

Dear Christie Walker,

The New York State Department of Environmental Conservation (DEC) in consultation with the New York State Department of Health (DOH) has reviewed the Soil Vapor Intrusion Evaluation Work Plan (SVIEWP) for the Greenpoint Ferry Site, BCP No. C224272, submitted on behalf of 1 Jave Owner LLC (Volunteer) by Roux Environmental Engineering and Geology, D.P.C. (Roux) dated November 4, 2025. Based on this review, the SVIEWP is approved. NYSDEC and NYSDOH will review the resulting information and decide at that time if additional sampling will be needed based on results, seasonal variations, or other observations. NYSDOH and NYSDEC cannot provide any concurrence or guarantee surrounding the number of sampling events that will be required to satisfy the requirements set forth in the Site Management Plan and Decision Document.

If you have any questions, or would like to discuss further, please contact me at richard.mustico1@dec.ny.gov or by calling (518) 402-9647.

Sincerely,

Richard P. Mustico, P.E.
Project Manager
Remedial Section B

ec: Scott Deyette, scott.deyette@dec.ny.gov
William Bennett, william.bennett@dec.ny.gov
Jane O'Connell, jane.oconnell@dec.ny.gov
Justin Deming, justin.deming@health.ny.gov
Scarlett McLaughlin, scarlett.mclaughlin@health.ny.gov
Johnathan Robinson, johnathan.robinson@health.ny.gov
Jessica Taylor, jtaylor@rouxinc.com
DECDOCS

APPENDIX H

Remediation- Related Permits

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4997 | F: (718) 482-4975
www.dec.ny.gov

June 18, 2021

Dominic DeSantis
McLaren Engineering Group
530 Chestnut Ridge Rd
Woodcliff Lake, NJ 07677

Re: NYSDEC Permit No. 2-6101-01271/00008
1 Java Owner LLC Prop
Brooklyn, NY
ECL Article 25 -Tidal Wetlands
ECL Article 15 – Protection of Waters
6NYCRR Part 608 – Water Quality Certification
NOTICE OF PERMIT ISSUANCE

Dear Mr. DeSantis:

Enclosed is your permit. Please read it carefully. You are required to comply with all conditions of the permit.

Please note that Natural Resources Condition 2 of the permit requires submittal of the attached "Notice of Intent to Commence Work" at least 5 days prior to the start of the permitted activity. Also, please note that Natural Resources Condition 4 of the permit requires submittal of the attached “Notice of Completion of Work” within 10 days of the completion of work.

If you have any questions please contact the NYSDEC at DEP.R2@dec.ny.gov.

Sincerely,

Tammy Greco
Environmental Analyst II

PERMIT
Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
1 Java Owner LLC
200 Park Ave
New York, NY 10166

Facility:
1 Java Owner LLC Prop
1 INDIA ST
BROOKLYN, NY 11222

Facility Location: in KINGS COUNTY **Village:** Brooklyn
Facility Principal Reference Point: NYTM-E: 587.696 NYTM-N: 4509.459
Latitude: 40°43'53.0" Longitude: 73°57'41.3"
Project Location: 131 West St, Block 2568 Lot 1
Authorized Activity: Remove the existing concrete and debris to create a resilient living-shoreline and waterfront public access area between the Southern edge of India St and the Northern edge of Java St.

Permit Authorizations

Tidal Wetlands - Under Article 25
Permit ID 2-6101-01271/00008
New Permit Effective Date: 6/18/2021 Expiration Date: 12/31/2027
Water Quality Certification - Under Section 401 - Clean Water Act
Permit ID 2-6101-01271/00009
New Permit Effective Date: 6/18/2021 Expiration Date: 12/31/2027
Excavation & Fill in Navigable Waters - Under Article 15, Title 5
Permit ID 2-6101-01271/00010
New Permit Effective Date: 6/18/2021 Expiration Date: 12/31/2027

NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: STEPHEN A WATTS, Regional Permit Administrator
Address: NYSDEC Region 2 Headquarters
47-40 21st St
Long Island City, NY 11101 -5401

Authorized Signature: _____ Date _06_/_18_/_2021_

Stephen A Watts III
Digitally signed by Stephen A Watts III
Date: 2021.06.18 14:15:36 -04'00'

Permit Components

NATURAL RESOURCE PERMIT CONDITIONS

WATER QUALITY CERTIFICATION SPECIFIC CONDITION

GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

NATURAL RESOURCE PERMIT CONDITIONS - Apply to the Following Permits: TIDAL WETLANDS; WATER QUALITY CERTIFICATION; EXCAVATION & FILL IN NAVIGABLE WATERS

1. **Conformance With Plans** All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or applicant's agent as part of the permit application. Such approved plans were prepared by McLaren Engineering titled "1 Java Street Waterfront Reconstruction" Sheets 1 through 22 dated February 25, 2021.

2. **Notice of Intent to Commence Work** At least five (5) days prior to the start of work, Permittee must complete and submit the attached "Notice of Intent to Commence Work" form to the NYSDEC Division of Marine Resources, 47-40 21st Street, Long Island City, New York 11101 or via email R2.naturalresources@dec.ny.gov

3. **Post Permit Sign** The permit sign enclosed with this permit shall be posted in a conspicuous location on the worksite and adequately protected from the weather.

4. **Notice of Completion of Work** Within ten (10) days of the completion of work, Permittee must complete and submit the attached Notice of Completion of Work form to NYSDEC Division of Marine Resources, 47-40 21st Street, Long Island City, New York 11101 or via email R2.naturalresources@dec.ny.gov

5. **Post Construction Photographs** Post-construction photographs of the work area must be submitted to the NYSDEC Division of Marine Resources, 47-40 21st Street, Long Island City, New York 11101 (Attention: Justin Falls) within 10 days of the completion of work.

6. **Best Management Practices** Best management practices must be employed to prevent the loss of construction materials, debris, and sediments from entering the wetlands or waterways. Such practices may include, but are not limited to, construction fencing, staked hay bales, silt fencing, floating platforms, netting, and containment booms.

7. **In Water Work Moratorium** For the protection of over-wintering Striped Bass and Winter Flounder spawning habitat, in water work is prohibited from November 1st to May 20th.

8. No Terrestrial Equipment in the Water The tires or tracks of land based heavy equipment are not permitted to operate below the mean high water line.

9. Vessel Clearance Any barge or vessel used to stage or conduct this work must maintain two feet clearance from the mudline during all tidal cycles.

10. Fill Material All fill must consist of "clean" sand, gravel, or soil. The use of material such as asphalt, slag, fly-ash, recycled concrete aggregate (RCA), broken concrete, or demolition debris is strictly prohibited.

11. Concrete or Leachate Must Not Escape During construction, concrete or leachate will not escape or be discharged, nor will washings from transit mix trucks, mixers, or other devices enter tidal wetlands and or protected buffer areas.

12. Removal of Debris and Excess Material Any debris or excess material from construction of this project must be completely removed from the adjacent area (upland) and removed to an approved upland area for disposal. No debris is permitted in tidal wetlands or tidal wetlands adjacent area or protected buffer areas.

13. Rock Revetment Rock revetment must consist of natural toe stones a minimum of 3,000lbs and corestone averaging 750 lbs underlain with filter cloth.

14. Demolition and Construction Debris Should any demolition or construction debris fall into the waterway or enter the tidal wetlands, it must be removed immediately.

15. Disposal of Demolition and Construction Debris All demolition and construction debris must be properly disposed of at a licensed facility.

16. No Discharge into Tidal Wetlands There must be no discharge of runoff or other effluent over or through any bulkhead or shoreline stabilization structure or into any tidal wetland or tidal wetlands adjacent area (except for the permitted outfall on sheet 16 of the cited plans).

17. Prior Approval of Changes If the Permittee desires to make any changes in construction techniques, species to be planted, the site plan, any mitigation plan, scheduling or staging of construction, or any other aspect of this project, the Permittee shall submit a written request to the Regional Permit Administrator to make such proposed changes and shall not make such changes unless authorized in writing by the Department.

18. Failure to Meet Permit Conditions Failure of the permittee to meet all the conditions of this permit is a violation of this permit and grounds for an order to immediately cease the permitted activity at the project site.

19. No Interference With Navigation There shall be no unreasonable interference with navigation by the work herein authorized.

20. State Not Liable for Damage The State of New York shall in no case be liable for any damage or injury to the structure or work herein authorized which may be caused by or result from future operations undertaken by the State for the conservation or improvement of navigation, or for other purposes, and no claim or right to compensation shall accrue from any such damage.

21. State May Order Removal or Alteration of Work If future operations by the State of New York

require an alteration in the position of the structure or work herein authorized, or if, in the opinion of the Department of Environmental Conservation it shall cause unreasonable obstruction to the free navigation of said waters or flood flows or endanger the health, safety or welfare of the people of the State, or cause loss or destruction of the natural resources of the State, the owner may be ordered by the Department to remove or alter the structural work, obstructions, or hazards caused thereby without expense to the State, and if, upon the expiration or revocation of this permit, the structure, fill, excavation, or other modification of the watercourse hereby authorized shall not be completed, the owners, shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may require, remove all or any portion of the uncompleted structure or fill and restore to its former condition the navigable and flood capacity of the watercourse. No claim shall be made against the State of New York on account of any such removal or alteration.

22. **State May Require Site Restoration** If upon the expiration or revocation of this permit, the project hereby authorized has not been completed, the applicant shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may lawfully require, remove all or any portion of the uncompleted structure or fill and restore the site to its former condition. No claim shall be made against the State of New York on account of any such removal or alteration.

23. **Precautions Against Contamination of Waters** All necessary precautions shall be taken to preclude contamination of any wetland or waterway by suspended solids, sediments, fuels, solvents, lubricants, epoxy coatings, paints, concrete, leachate or any other environmentally deleterious materials associated with the project.

WATER QUALITY CERTIFICATION SPECIFIC CONDITIONS

1. **Water Quality Certification** The authorized project, as conditioned pursuant to the Certificate, complies with Section 301, 302, 303, 306, and 307 of the Federal Water Pollution Control Act, as amended and as implemented by the limitations, standards, and criteria of state statutory and regulatory requirements set forth in 6 NYCRR Section 608.9(a). The authorized project, as conditioned, will also comply with applicable New York State water quality standards, including but not limited to effluent limitations, best usages and thermal discharge criteria, as applicable, as set forth in 6 NYCRR Parts 701, 702, 703, and 704.

GENERAL CONDITIONS - Apply to ALL Authorized Permits:

1. **Facility Inspection by The Department** The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71- 0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

2. Relationship of this Permit to Other Department Orders and Determinations Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

3. Applications For Permit Renewals, Modifications or Transfers The permittee must submit a separate written application to the Department for permit renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing. Submission of applications for permit renewal, modification or transfer are to be submitted to:

Regional Permit Administrator
NYSDEC Region 2 Headquarters
47-40 21st St
Long Island City, NY11101 -5401

4. Submission of Renewal Application The permittee must submit a renewal application at least 30 days before permit expiration for the following permit authorizations: Excavation & Fill in Navigable Waters, Tidal Wetlands, Water Quality Certification.

5. Permit Modifications, Suspensions and Revocations by the Department The Department reserves the right to exercise all available authority to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

a. materially false or inaccurate statements in the permit application or supporting papers;

b. failure by the permittee to comply with any terms or conditions of the permit;

c. exceeding the scope of the project as described in the permit application;

d. newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;

e. noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

6. Permit Transfer Permits are transferrable unless specifically prohibited by statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification
The permittee, excepting state or federal agencies, expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under Article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit
The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits
The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights
This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

NOTICE OF INTENT TO COMMENCE WORK

Date: _____

NYSDEC Natural Resources
Attn. Habitat Supervisor
N.Y.S.D.E.C Region 2 Office
47-40 21st Street
Long Island City, N.Y. 11101

Re: NYSDEC Permit No. 2-6101-01271/00008
1 Java Owner LLC
Brooklyn, NY

Dear NYSDEC Habitat Supervisor:

In accordance with Natural Resource Condition 2 of the referenced permit, I hereby serve notice to commence work on _____, 20____.

This is also to certify that, having read this entire permit, I am fully aware of and understand the general and natural resource conditions therein, and agree to comply with all such conditions further understand that prior to undertaking any modification to the subject work, I must seek and receive written approval of the NYSDEC Regional Permit Administrator.

_____
Signature of Permittee

_____
Name of Permittee (please print)

_____
Signature of Contractor

_____
Name of Contractor (please print)

_____
Street Address of Contractor

_____
City, State, & Zip Code of Contractor

_____
Telephone Number of Contractor

WARNING

The permittee and his contractor (if any) are required to follow all permit conditions. Violations of the permit may lead to legal action, including the imposition of substantial monetary fines and corrective work.

cc: Environmental Permits
Marine Resources

NOTICE OF COMPLETION OF WORK

Date: _____

NYSDEC Natural Resources
Attn. Habitat Supervisor
N.Y.S.D.E.C Region 2 Office
47-40 21st Street
Long Island City, N.Y. 11101

Re: NYSDEC Permit No. 2-6101-01271/00008
1 Java Owner LLC
Brooklyn, NY

Dear NYSDEC Natural Resources Supervisor:

In accordance with Natural Resource Condition 4 of the referenced permit, I hereby serve notice that the work allowed by the above referenced permit has been completed as of _____, 20____, consistent with the requirements of the above referenced permit.

_____
Signature of Permittee

_____
Name of Permittee (please print)

_____
Signature of Contractor

_____
Name of Contractor (please print)

_____
Street Address of Contractor

_____
City, State, & Zip Code of Contractor

_____
Telephone Number of Contractor

cc: Environmental Permits
Marine Resources

95-20-1 (8/87)—9d

New York State
Department of Environmental Conservation

NOTICE

The Department of Environmental Conservation (DEC) has issued permit(s) pursuant to the Environmental Conservation Law for work being conducted at this site. For further information regarding the nature and extent of work approved and any Departmental conditions on it, contact the Regional Permit Administrator listed below. Please refer to the permit number shown when contacting the DEC.

Regional Permit Administrator

Permit Number 2-6101-01271/00008

Expiration Date 12/31/2027

NOTE: This notice is **NOT** a permit

Stephen A Watts III
47-40 21st Street
LIC, NY 11101
(718) 482-4997

APPENDIX I

Monthly Reports

(Provided on CD in Bound Copy)

October 15, 2021

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, September 2021
Greenpoint Ferry (Java Street) Site
127-141 West Street
Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site). The Site Location Map is provided as Figure 1.

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018 to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021 to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in September 2021.

Building Demolition

On September 1 through September 3, 2021, building demolition activities, which commenced in August 2021, were conducted at the Site. Demolition activities, which were completed on September 3, 2021, included the removal of all aboveground structures (i.e., buildings) at the Site, which will aid in facilitating the proposed Site remediation (including soil excavation for off-Site disposal). Demolition activities did not include subsurface intrusive activities with the exception of fracturing of the concrete slab (slab-on-grade), which remained in place, for stormwater drainage purposes. All demolition work was conducted by Gramercy Group Inc. (Gramercy) in accordance with the Change of Use (COU) form submitted to the NYSDEC on February 10, 2021.

During demolition activities, Roux implemented a community air monitoring plan (CAMP), which consisted of monitoring dust and organic vapors in upwind and downwind ambient air around the work areas. Two CAMP stations, each consisting of a particulate meter and a photoionization detector, were utilized during the implementation of CAMP activities. Demolition activities completed each day and CAMP results were included in daily reports, which were provided to the NYSDEC via email on a weekly

209 Shafter Street ■ Islandia, New York 11749 ■ +1.631.232.2600 ■ www.rouxinc.com
California ■ Illinois ■ Massachusetts ■ New Jersey ■ New York ■ Texas

basis during demolition activities. As indicated in the daily reports, there were no CAMP exceedances recorded during demolition activities. As added safety measures, Gramercy used a water cannon and water hose to mitigate the generation of dust during demolition activities installed sand bags and hay bales along the perimeter of the Site to mitigate the migration of fines from the Site into public streets.

Geotechnical Test Pits

Following Site demolition activities, on September 13, 2021 and September 14, 2021, Gramercy installed seven test pits throughout the Site for geotechnical evaluations. All test pits were installed in accordance with the revised COU form submitted to the NYSDEC on September 6, 2021, and the Geotechnical Environmental Support Plan, which was included as an attachment to the September 2021 COU form. As directed by the NYSDEC in an email dated August 17, 2021, the original February 2021 COU form was updated to include the completion of geotechnical test pits and soil borings. The Geotechnical Environmental Support Plan submitted with the revised September 2021 COU included CAMP and soil handling procedures to be implemented during the Geotechnical work.

During test pitting activities, Roux implemented CAMP, which consisted of monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. In accordance with the Geotechnical Environmental Support Plan, three CAMP stations, each consisting of a particulate meter and a photoionization detector, were utilized during the implementation of CAMP activities. Additionally, Gramercy sprayed water on the test pits during test pitting activities to mitigate the generation of dust. Test pitting activities completed each day and CAMP results were included in daily reports, which were provided to the NYSDEC/NYSDOH via email during completion of test pitting activities. As indicated in the daily reports, there were no CAMP exceedances recorded during test pitting activities.

Citizen Participation Plan (CPP) Activities

A Fact Sheet announcing the proposed remedy for the Site and start of the 45-day public review period for the draft Remedial Action Work Plan dated August 5, 2021, was posted in the NYSDEC Environmental Bulletin on September 22, 2021. The public comment period for the RAWP will end on November 5, 2021.

Other / Anticipated Future Work Activities

Implementation of CAMP during Geotechnical soil boring activities anticipated to be completed in October 2021. Daily reports will be provided to the NYSDEC/NYSDOH.

Roux will collect groundwater samples from existing on-Site groundwater monitoring wells (MW-1 through MW-5) for emergent contaminant analyses. Groundwater sampling is anticipated to be completed in October 2021. A daily report will be provided to the NYSDEC/NYSDOH. A letter presenting the results of this groundwater sampling will be provided to NYSDEC shortly after receipt of laboratory results.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Jeff Wills, P.G.
Senior Hydrogeologist

Robert Kovacs, P.G., LSRP
Principal Scientist

Attachments

cc:
Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Bruce Anderson, Lendlease
Hiro Sato, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget



QUADRANGLE LOCATION



SOURCE:
USGS; 2016, Brooklyn, NY
7.5 Minute Topographic Quadrangle

N

0 2000'

Title:

SITE LOCATION MAP

GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

Prepared for:

1 JAVA OWNER LLC

ROUX

Compiled by: E.B.	Date: 19MAY21	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr: J.W.	Project: 3583.0001Y000	
File: 3583.0001Y107.02.CDR		

V:\CAD\PROJECTS\3583\Y\0001Y\107\3583.0001Y107.02.CDR

January 10, 2023

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, December 2022
Greenpoint Ferry (Java Street) Site
127-141 West Street
Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

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I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021 and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Excavation for SOE and foundation elements (i.e., footings) resulted in offsite soil disposal which is discussed in more detail below. Contractors

began waterproofing installation and will continue as foundation installation progresses. Additionally, contractors installed rebar and concrete forms Site-wide. Contractors also drove piles, installed sheet metal walls, drilled caissons, and poured concrete to create whalers, mud slabs, foundation slabs, and foundation walls. Dewatering activities continued.

Drilling associated with the installation of the geothermal wells was initiated in late December 2022, in accordance with the Change of Use (COU) notification previously submitted to NYSDEC.

During this reporting period, 66 loads of non-hazardous soil were exported to the Bayshore Recycling Corporation in Keasbey, New Jersey, and four loads of hazardous lead-impacted soil were exported to Clean Earth in Kearny, New Jersey. Roux was present on all working days and daily reports were submitted to NYSDEC and the New York State Department of Health (NYSDOH).

II. BCP Activities Planned for the Next Reporting Period (January 2023)

Remedial activities will continue in January with SOE installation, excavation, and soil disposal activities until completion. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021 and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Roux collected a total of seven post excavation confirmation soil samples from the lead hotspot area in grid cell WC-4: HS2_SW11, HS2_SW12, HS2_SW13, HS2_SW14, HS2_SW15, HS2_SW16, and HS2_SW17. Note, this lead hot spot has been fully removed from the Site, and compliant end-point samples have been obtained.

Roux collected one water sample: Weirtankeff_122722 from the effluent weir tank used to hold effluent water from the geothermal drilling on Site. These results were provided to NYSDEC in an email dated January 6, 2023, and we are currently awaiting NYSDEC approval to discharge this water.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. 1,800 CY of non-hazardous soil and an additional 520 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

Attachments

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Bruce Anderson, Lendlease
Hiro Sato, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

March 21, 2023

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, February 2023
Greenpoint Ferry (Java Street) Site
127-141 West Street
Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site). The Site Location Map is provided as Figure 1.

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021 to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in February 2023.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021 and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Excavation for SOE and foundation elements

(i.e., footings) resulted in offsite soil disposal which is discussed in more detail below. Additionally, contractors installed rebar and concrete forms Site-wide. Contractors also drove piles, installed sheet metal walls, drilled caissons, and poured concrete to create whalers, mud slabs, foundation slabs, pile caps, and foundation walls. Dewatering activities continued.

Drilling associated with the installation of the geothermal wells continued throughout February 2023, in accordance with the Change of Use (COU) notification previously submitted to NYSDEC.

During this reporting period, 82 loads of non-hazardous soil were exported to the Bayshore Recycling Corporation in Keasbey, New Jersey. Roux was present on all working days and daily reports were submitted to NYSDEC and the New York State Department of Health (NYSDOH).

II. BCP Activities Planned for the Next Reporting Period (March 2023)

Remedial activities will continue in March with SOE installation, excavation, and soil disposal activities until completion. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021 and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Roux collected one sample of the bedrock cuttings generated during the geothermal drilling to evaluate reuse on Site: Rockdust_022423. Roux will provide the results from this sampling to NYSDEC.

Roux collected one sample of the treated drill water from the effluent weir tank used to hold effluent water from the geothermal drilling on Site: Weirtankeff_022223. Roux provided the results from this sampling to NYSDEC.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. 4,560 CY of non-hazardous soil and an additional 520 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

Attachments

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Bruce Anderson, Lendlease
Hiro Sato, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

April 12, 2023

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, March 2023
Greenpoint Ferry (Java Street) Site
127-141 West Street
Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021 to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in March 2023.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021 and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Excavation for SOE and foundation elements (i.e., footings) resulted in offsite soil disposal which is discussed in more detail below. Additionally, contractors installed rebar and concrete forms Site-wide. Contractors also drove piles, installed sheet metal walls, drilled caissons, and poured concrete to create whalers, mud slabs, foundation slabs, pile caps, and foundation walls. Contractors also began building an L-retention wall along the East River. Dewatering activities continued.

Drilling associated with the installation of the geothermal wells continued throughout March 2023, in accordance with the Change of Use (COU) notification previously submitted to NYSDEC.

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During this reporting period, 123 loads of non-hazardous soil were exported to the Bayshore Recycling Corporation in Keasbey, New Jersey as well as 9 loads of non-hazardous soil exported to the Clean Earth Facility in Bethlehem, PA. Roux was present on all working days and daily reports were submitted to NYSDEC and the New York State Department of Health (NYSDOH).

II. BCP Activities Planned for the Next Reporting Period (April 2023)

Remedial activities will continue in March with SOE installation, excavation, and soil disposal activities until completion. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021 and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Roux collected one sample of the treated drill water from the effluent weir tank used to hold effluent water from the geothermal drilling on Site: Weirtankeff_033123 Roux will provide the results from this sampling to NYSDEC.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. 7,200 CY of non-hazardous soil and an additional 520 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.



Emily Butler
Project Geologist



Robert Kovacs, P.G., LSRP
Principal Scientist

Attachments

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Bruce Anderson, Lendlease
Scott Walsh, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

May 10, 2023

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, April 2023
Greenpoint Ferry (Java Street) Site
127-141 West Street
Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in April 2023.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021 and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector. There were four temporary dust exceedances, on April 4th, April 13th, April 14th, and April 18th. On each occasion, work was stopped, or dust suppression activities were deployed until levels returned to below exceedance values.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Excavation for SOE and foundation elements (i.e., footings) resulted in offsite soil disposal which is discussed in more detail below. Additionally, contractors installed rebar, concrete forms, and waterproofing Site-wide. Contractors also drove piles, installed sheet metal walls, drilled caissons, backfilled soil approved for reuse, and poured concrete

to create whalers, mud slabs, foundation slabs, pile caps, and foundation walls. Contractors also continued building an L-retention wall along the East River. Dewatering activities continued.

Drilling associated with the installation of the geothermal wells continued throughout April 2023, in accordance with the Change of Use (COU) notification previously submitted to NYSDEC.

During this reporting period, 115 loads of non-hazardous soil were exported to the Bayshore Recycling Corporation in Keasbey, New Jersey. Roux was present on all working days and daily reports were submitted to NYSDEC and the New York State Department of Health (NYSDOH).

On March 29, 2023, a small hydraulic oil spill occurred on the southeast portion of the Site. This small spill was called into the NYSDEC Hot Line on March 29, 2023, and was assigned Spill Number 2210240. Impacted soil was limited to only the shallow sone (0 to a maximum of 2 inches below grade), as the contractors very quickly responded to the release using oil absorbent material (i.e., Oil-Dri). This quick response, combined with the fact that the spill occurred in the heavy equipment loading area where the soil is highly compacted, prevented the hydraulic oil from migrating beyond the shallow, surface soil. On March 29 through March 31, 2023, the contractor used shovels to remove the impacted shallow surface soil. All visually impacted soil was removed and containerized in drums for offsite disposal. A total of five drums were generated for offsite disposal. Shortly after cleanup, Roux screened the shallow excavation area with a photoionization detector (PID) and did identify any de4tections above background levels.

Following cleanup, on April 5, 2023, at the direction of NYSDEC, Roux collected a composite soil sample from the base of the shallow exaction area to document the cleanup. The soil sample was analyzed for CP-51 VOCs and SVOCs. All compounds were either non-detect or detected below the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives. NYSDEC closed the spill on May 2, 2023.

II. BCP Activities Planned for the Next Reporting Period (May 2023)

Remedial activities will continue in May with SOE installation, excavation, and soil disposal activities until completion. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021 and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Roux collected endpoint samples EP-1, EP-2, EP-3, EP-4, EP-5, EP-10, EP-11, EP-12, and EP-13. Roux collected one composite soil sample for spill closure, as discussed above. Roux will provide the results from this sampling to NYSDEC.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. 9,500 CY of non-hazardous soil and an additional 520 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

Attachments

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Bruce Anderson, Lendlease
Scott Walsh, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

June 19, 2023

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, May 2023
Greenpoint Ferry (Java Street) Site
127-141 West Street
Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate, and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in May 2023.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021 and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector. There were three temporary dust exceedances, on May 8th, May 16th, May 19th. On each occasion, work was stopped, or dust suppression activities were deployed until levels returned to below exceedance values.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Additionally, contractors installed rebar, concrete forms, and waterproofing Site-wide. Contractors removed SOE sheet metals, trenched for horizontal well connections, backfilled soil approved for reuse, imported approved material for grading and bedding, and poured concrete to create whalers, mud slabs, foundation slabs, pile caps, and foundation walls. Dewatering activities continued.

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Drilling associated with the installation of the geothermal wells continued throughout May 2023, in accordance with the Change of Use (COU) notification previously submitted to NYSDEC.

NYSDEC closed spill number 2210240 on May 2, 2023. See previous monthly report (April 2023) for more information.

II. BCP Activities Planned for the Next Reporting Period (June 2023)

Remedial activities will continue in June with SOE installation, excavation, and soil disposal activities until completion. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021 and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

No sampling events occurred during the reporting period.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. 9,500 CY of non-hazardous soil and an additional 520 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Bruce Anderson, Lendlease
Scott Walsh, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

July 26, 2023

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, June 2023
Greenpoint Ferry (Java Street) Site
127-141 West Street
Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in June 2023.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021 and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector. There were five temporary dust exceedances, on June 2nd, June 7th, June 12th, June 29th, and June 30th. On the June 2nd occasion, work was stopped, or dust suppression activities were deployed until levels returned to below exceedance values. The exceedances recorded on June 7th, June 12th, June 29th and June 30th and the cessation of CAMP on June 8th were not attributed to intrusive work. These exceedances were recorded on days The National weather service gave warning for air laden with particulate matter due to Canadian wildfires.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Additionally, contractors installed rebar, concrete forms, and waterproofing Site-wide. Contractors removed SOE sheet metals, trenched for horizontal well connections, backfilled soil approved for reuse, imported approved material for grading and bedding, and poured concrete to create whalers, mud slabs, foundation slabs, pile caps, and foundation walls. Dewatering activities continued.

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California ■ Illinois ■ Massachusetts ■ New Jersey ■ New York ■ Texas ■ Virginia

Drilling associated with the installation of the geothermal wells continued throughout June 2023, in accordance with the Change of Use (COU) notification previously submitted to NYSDEC.

NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

II. BCP Activities Planned for the Next Reporting Period (July 2023)

Remedial activities will continue in July with SOE installation, excavation, and soil disposal activities until completion. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021 and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

No sampling events occurred during the reporting period.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. 10,700 CY of non-hazardous soil and an additional 520 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

Attachments

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Bruce Anderson, Lendlease
Scott Walsh, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

August 10, 2023

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, July 2023
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in July 2023.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021, and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector. There were six temporary dust exceedances on July 17th, July 18th, July 19th, July 20th, July 22nd, and July 27th. All exceedances recorded were not attributed to intrusive work. The exceedances on July 19th and July 20th were recorded on days the National Weather Service gave warning for air laden with particulate matter due to Canadian wildfires.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Additionally, contractors installed rebar, concrete forms, manholes, utilities, and waterproofing Site-wide. Contractors removed SOE sheet metals, trenched and installed horizontal well connections, drilled piles, backfilled soil approved for reuse, imported approved material for grading and bedding, and poured concrete to create a crane pad, foundation slabs, pile caps, and foundation walls. Dewatering activities continued.

Drilling associated with the installation of the geothermal wells continued throughout July 2023, in accordance with the Change of Use (COU) notification previously submitted to NYSDEC.

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NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

II. BCP Activities Planned for the Next Reporting Period (August 2023)

Remedial activities will continue in August with SOE installation, excavation, and soil disposal activities until completion. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Endpoint samples EP-19, EP-22, and EP-23 were collected on July 17 and July 20, 2023.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. 10,700 CY of non-hazardous soil and an additional 520 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.



Emily Butler
Project Geologist



Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Scott Walsh, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

ROUX

October 17, 2023

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, September 2023
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in September 2023.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021, and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector. There were two temporary dust exceedances on September 8th and September 28th. All exceedances recorded were not attributed to intrusive work.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Additionally, contractors installed rebar, concrete forms, manholes, utilities, and waterproofing Site-wide. Contractors removed SOE sheet metals, trenched, and installed horizontal well connections, drilled piles, backfilled soil approved for reuse, imported approved material for grading and bedding, and poured concrete to create a crane pad, foundation slabs, pile caps, and foundation walls. Contractors began pressure testing previously installed geothermal wells. Dewatering activities continued.

NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

3583.0001Y154/PR

II. BCP Activities Planned for the Next Reporting Period (October 2023)

Remedial activities will continue in October with SOE installation, excavation, and soil disposal activities until completion. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Endpoint samples EP-34, EP-35, and EP-49 were collected on September 15, 2023. Endpoint sample EP-48 was collected on September 21, 2023.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. Approximately 10,900 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.



Emily Butler
Project Geologist



Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Scott Walsh, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

December 11, 2023

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, November 2023
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in November 2023.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021, and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector. There was one temporary dust exceedance on November 15th. The exceedance recorded was not attributed to intrusive work, but to heavy truck traffic entering and leaving the Site near the CAMP station.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Additionally, contractors installed rebar, concrete forms, utilities, and waterproofing Site-wide. Sections of installed waterproofing/vapor barrier were inspected by Roux and all necessary corrections and repairs were made prior to concrete pouring. Contractors trenched and installed horizontal well connections, backfilled soil approved for reuse, imported approved material for grading and bedding, and poured concrete to create an additional crane pad, foundation slabs, and foundation walls. Contractors installed sections of perforated and solid piping for the Sub-Slab Depressurization System (SSDS) in several areas throughout the Site, with Roux inspecting completed sections. Contractors continued pressure testing previously installed geothermal wells and continued flushing wells throughout the Site. All work for the geothermal system has been completed on the west half of the Site, with all wells tested and connected to the main geothermal manifold. Dewatering activities continued.

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NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

II. BCP Activities Planned for the Next Reporting Period (December 2023)

Remedial activities will continue in December with SOE installation, excavation, and soil disposal activities until completion. Contractors will continue installing waterproofing throughout the Site, as well as piping for the Sub-Slab Depressurization System (SSDS), with Roux inspecting all completed sections. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Roux collected six endpoint samples during the reporting period; endpoint samples EP-15, EP-27, EP-30, EP-36, EP-46, and EP-47 were collected on November 10th.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. Approximately 12,700 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.



Emily Butler
Project Geologist



Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

January 10, 2024

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, December 2023
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in December 2023.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021, and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector. There were no CAMP exceedances recorded during December.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Additionally, contractors installed rebar, concrete forms, utilities, and waterproofing Site-wide. Sections of installed waterproofing/vapor barrier were inspected by Roux and all necessary corrections and repairs were made prior to concrete pouring. Contractors drilled additional geothermal wells, trenched, and installed horizontal well connections, backfilled soil approved for reuse, imported approved material for grading and bedding, and poured concrete for foundation slabs foundation walls. Contractors continued electrical and plumbing work throughout the Site. Contractors excavated for utility installation throughout the west end of the Site. Contractors installed sections of perforated and solid piping for the Sub-Slab Depressurization System (SSDS) in several areas throughout the Site, with Roux inspecting completed sections. Contractors continued pressure testing previously installed geothermal wells and continued flushing wells throughout the Site. All work for the geothermal system has been completed on the west half of the Site, with all

wells tested and connected to the main geothermal manifold. Dewatering activities continued. A crane was installed on the north end of the Site and superstructure work began on the west end of the Site.

NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

II. BCP Activities Planned for the Next Reporting Period (January 2023)

Remedial activities will continue in January with SOE installation, excavation, and soil disposal activities until completion. Contractors will continue installing waterproofing throughout the Site, as well as piping for the Sub-Slab Depressurization System (SSDS), with Roux inspecting all completed sections. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Roux collected three endpoint samples during the reporting period; endpoint samples EP-9, EP-29, and EP-45 were collected on December 7th.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. Approximately 12,920 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

February 14, 2024

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, January 2024
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in January 2024.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021, and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector. There were two actions limits, recorded on January 4th and January 30th, and one exceedance, recorded on January 31st, documented in January.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Additionally, contractors installed rebar, concrete forms, utilities, and waterproofing Site-wide. Sections of installed waterproofing/vapor barrier were inspected by Roux and all necessary corrections and repairs were made prior to concrete pouring. Contractors trenched and installed horizontal well connections, backfilled soil approved for reuse, imported approved material for grading and bedding, and poured concrete for foundation slabs, foundation walls, columns, and the second-floor slab. Contractors continued electrical and plumbing work throughout the Site. Contractors installed sections of perforated and solid piping for the Sub-Slab Depressurization System (SSDS) in several areas throughout the Site, with Roux inspecting completed sections. Contractors continued pressure testing previously installed geothermal wells and continued flushing wells throughout the Site. All work for the geothermal system has been completed on the west half of the Site, with all wells tested and connected to the main geothermal manifold. Dewatering activities continued. Superstructure work continued throughout the west end of the Site.

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NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

II. BCP Activities Planned for the Next Reporting Period (February 2024)

Remedial activities will continue in February with SOE installation, excavation, and soil disposal activities until completion. Contractors will continue installing waterproofing throughout the Site, as well as piping for the Sub-Slab Depressurization System (SSDS), with Roux inspecting all completed sections. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Roux collected seven endpoint samples during the reporting period; endpoint samples EP-14, EP-24, and EP-26 were collected on January 3rd with one field blank, one MS/MSD, and one duplicate sample being collected, and endpoint samples EP-28, EP-37, EP-43, and EP-44 were collected on January 29th.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. Approximately 13,700 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.



Emily Butler
Project Geologist



Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

March 5, 2024

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, February 2024
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in February 2024.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021, and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector. There were three actions limits, recorded on February 8th and February 28th, and two exceedances, recorded on February 8th and February 9th.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring as necessary in accordance with the RAWP. Additionally, contractors installed rebar, concrete forms, utilities, and waterproofing Site-wide. Sections of installed waterproofing/vapor barrier were inspected by Roux and all necessary corrections and repairs were made prior to concrete pouring. Contractors trenched and installed horizontal well connections, backfilled soil approved for reuse, imported approved material for grading and bedding, and poured concrete for foundation slabs, foundation walls, columns, the second-floor slab of the south tower, and the third and fourth-floor slabs for the north tower. A second tower crane was erected in the SW corner of the Site for use on the south tower superstructure. Contractors began installation of a hoist in the NW corner of the Site for use on

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the north tower. Contractors installed a concrete boom on the north tower. Contractors continued electrical and plumbing work throughout the Site. Two new sewer connections were completed along the east and south borders of the Site. Contractors installed sections of perforated and solid piping for the Sub-Slab Depressurization System (SSDS) in several areas throughout the Site, with Roux inspecting completed sections. Contractors continued pressure testing previously installed geothermal wells and continued flushing wells throughout the Site. All work for the geothermal system has been completed on the west half of the Site, with all wells tested and connected to the main geothermal manifold. Dewatering activities continued. Superstructure work continued throughout the west end of the Site.

NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

II. BCP Activities Planned for the Next Reporting Period (March 2024)

Remedial activities will continue in March with SOE installation, excavation, and soil disposal activities until completion. Contractors will continue installing waterproofing throughout the Site, as well as piping for the Sub-Slab Depressurization System (SSDS), with Roux inspecting all completed sections. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

No endpoint samples were collected by Roux during the reporting period.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. Approximately 14,940 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

April 11, 2024

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, March 2024
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in March 2024.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021, and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector. There were six actions limits, recorded on March 1st, March 4th, March 21st, and March 26th, and four exceedances, recorded on March 12th, March 19th, and March 20th, documented in March.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Additionally, contractors installed rebar, concrete forms, utilities, and waterproofing Site-wide. Sections of installed waterproofing/vapor barrier were inspected by Roux and all necessary corrections and repairs were made prior to concrete pouring. Contractors trenched and installed horizontal well connections, backfilled soil approved for reuse, imported approved material for grading and bedding, and poured concrete for foundation slabs, foundation walls, columns, the third, fourth, and fifth-floor slabs of the south tower, and the fifth, sixth, and seventh-floor slabs for the north tower. Contractors completed installation of a hoist in the NW corner of the Site for use on the north tower and began installation of a hoist in the SW corner of the Site for use on the south tower. Contractors installed a concrete boom on the south tower.

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Contractors continued electrical and plumbing work throughout the Site. Contractors installed new sections of fencing around all perimeters of the Site. Contractors installed sections of perforated and solid piping for the Sub-Slab Depressurization System (SSDS) in several areas throughout the Site, with Roux inspecting completed sections. Contractors continued pressure testing previously installed geothermal wells and continued flushing wells throughout the Site. All work for the geothermal system has been completed on the west half of the Site, with all wells tested and connected to the main geothermal manifold. Dewatering activities continued. Superstructure work continued throughout the west end of the Site.

NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

II. BCP Activities Planned for the Next Reporting Period (April 2024)

Remedial activities will continue in April with SOE installation, excavation, and soil disposal activities until completion. Contractors will continue installing waterproofing throughout the Site, as well as piping for the Sub-Slab Depressurization System (SSDS), with Roux inspecting all completed sections. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Roux collected one endpoint sample during the reporting period; endpoint sample EP-25 was collected on March 19th.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. Approximately 15,960 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

May 10, 2024

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, April 2024
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in April 2024.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021, and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector. There were seven actions limits, recorded on April 10th, April 11th, April 12th, April 23rd, and April 24th, and two exceedances, recorded on April 25th , documented in April.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Additionally, contractors installed rebar, concrete forms, utilities, and waterproofing Site-wide. Sections of installed waterproofing/vapor barrier were inspected by Roux and all necessary corrections and repairs were made prior to concrete pouring. Contractors trenched and installed horizontal well connections, backfilled soil approved for reuse, imported approved material for grading and bedding, and poured concrete for foundation slabs, foundation walls, columns, the 6th through 14th floor slabs of the south tower, and the 8th through 16th floor slabs of the north tower. Contractors completed installation of a hoist in the SW corner of the Site for use on the south tower. Contractors continued electrical and plumbing work throughout the Site. Contractors installed new sections of fencing around all perimeters of the Site. Contractors installed sections of perforated and solid piping for the Sub-Slab Depressurization System (SSDS) in several areas throughout the Site, with Roux inspecting completed sections. Contractors continued pressure testing previously installed geothermal wells and continued flushing wells throughout the Site. All work for the geothermal system has been completed on the west half of the Site, with all wells tested and connected to the main geothermal manifold. Dewatering activities continued. Superstructure work continued

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throughout the west end of the Site, with the superstructure now extending east along the north end of the Site to West Street.

NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

II. BCP Activities Planned for the Next Reporting Period (May 2024)

Remedial activities will continue in May with SOE installation, excavation, and soil disposal activities until completion. Contractors will continue installing waterproofing throughout the Site, as well as piping for the Sub-Slab Depressurization System (SSDS), with Roux inspecting all completed sections. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

No endpoint samples were collected during the reporting period.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. Approximately 16,800 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

June 12, 2024

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, May 2024
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in May 2024.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021, and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector. There were three actions limits, recorded on May 6th, May 15th, and May 21st, and three exceedances, recorded on May 1st, May 2nd, and May 17th, documented in May.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Additionally, contractors installed rebar, concrete forms, utilities, and waterproofing Site-wide. Sections of installed waterproofing/vapor barrier were inspected by Roux and all necessary corrections and repairs were made prior to concrete pouring. Contractors trenched and installed horizontal well connections, backfilled soil approved for reuse, imported approved material for grading and bedding, and poured concrete for foundation slabs, foundation walls, columns, the 15th through 19th floor slabs of the south tower, and the 17th through 20th floor slabs of the north tower. Contractors continued electrical and plumbing work throughout the Site. Contractors installed new sections of fencing around all perimeters of the Site. Contractors installed sections of perforated and solid piping for the Sub-Slab Depressurization System (SSDS) in several areas throughout the Site, with Roux inspecting completed sections. Contractors continued pressure testing previously installed geothermal wells and continued flushing wells throughout the Site.

All underground work for the geothermal system has been completed throughout the Site, with all wells tested and connected to the main geothermal manifold. Contractors began work in the waterfront park area, installing and covering a planter box in the southwest corner of the Site. Dewatering activities continued. Superstructure work continued throughout the Site.

NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

II. BCP Activities Planned for the Next Reporting Period (June 2024)

Remedial activities will continue in May with SOE installation, excavation, and soil disposal activities until completion. Contractors will continue installing waterproofing throughout the Site, as well as piping for the Sub-Slab Depressurization System (SSDS), with Roux inspecting all completed sections. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Roux collected endpoint samples EP-38, EP-39, EP-40, EP-41, and EP-42 on May 9th.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. Approximately 17,320 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

July 9, 2024

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, June 2024
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in June 2024.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021, and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector. There were twelve action limits, recorded on June 4th, June 5th, June 14th, June 17th, June 18th, June 19th, and June 20th, and twelve exceedances, recorded on June 5th, June 14th, June 17th, June 18th, June 19th, and June 20th documented in June. Roux advised the contractor to apply water as a dust suppressant, and water was supplied prior to and during any potential dust-generating activities.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Additionally, contractors installed rebar, concrete forms, utilities, and waterproofing Site-wide. Sections of installed waterproofing/vapor barrier were inspected by Roux and all necessary corrections and repairs were made prior to concrete pouring. Contractors backfilled soil approved for reuse, imported approved material for grading and bedding, and poured concrete for foundation slabs, foundation walls, columns, the 20th through 25th floor slabs of the south tower, and the 21st floor slab of the north tower, completing the north tower. Contractors continued electrical and plumbing work throughout the Site. Contractors installed new sections of fencing around all perimeters of the Site. Contractors installed sections of perforated and solid piping for the Sub-Slab Depressurization System (SSDS) in several areas throughout the Site, with Roux inspecting completed sections. All underground work for the geothermal system has been completed throughout the Site, with all wells tested and connected to the main geothermal manifold. Contractors performed periodic pressure testing of the geothermal manifolds throughout the Site.

Contractors continued work in the waterfront park area, continuing foundation work in the park area and importing approved landscape materials. Dewatering activities continued. Superstructure work continued throughout the Site.

NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

II. BCP Activities Planned for the Next Reporting Period (July 2024)

Remedial activities will continue in May with SOE installation, excavation, and soil disposal activities until completion. Contractors will continue installing waterproofing throughout the Site, as well as piping for the Sub-Slab Depressurization System (SSDS), with Roux inspecting all completed sections. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

No sampling events occurred during the reporting period.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. Approximately 17,720 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil have been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

September 9, 2024

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, August 2024
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in August 2024.

I. BCP Activities Completed during the Reporting Period

Contractors continued electrical and plumbing work throughout the Site All underground work for the geothermal system has been completed throughout the Site, with all wells tested and connected to the main geothermal manifold. Superstructure work continued throughout the Site.

As per the approved Request for Temporary Modification/Pause of Community Air Monitoring Plan Implementation and Reduction in Oversight Frequency (CAMP Pause Request Memo), the installation of the 2-inch crushed stone temporary stone cover was completed in July 2024 along the waterfront area. Roux demobilized CAMP equipment from the Site at the end of July 2024. Roux commenced construction oversight inspections of the Site every two weeks as outlined in the CAMP Pause Request Memo and submitted inspection reports to NYSDEC.

NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

II. BCP Activities Planned for the Next Reporting Period (September 2024)

Roux will continue construction oversight inspections of the Site every two weeks as outlined in the CAMP Pause Request Memo. Following each inspection, Roux will submit an inspection report that will include photographs, observations, and updates on schedule for the anticipated construction of the

permanent Site Cover All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

No sampling events occurred during the reporting period.

V. Deliverables Submitted during the Reporting Period

Inspection reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Approximately 17,720 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil have been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease

October 2, 2024

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, September 2024
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in September 2024.

I. BCP Activities Completed during the Reporting Period

Contractors continued electrical and plumbing work throughout the Site All underground work for the geothermal system has been completed throughout the Site, with all wells tested and connected to the main geothermal manifold. Superstructure work continued throughout the Site.

As per the approved Request for Temporary Modification/Pause of Community Air Monitoring Plan Implementation and Reduction in Oversight Frequency (CAMP Pause Request Memo), the installation of the 2-inch crushed stone temporary stone cover was completed in July 2024 along the waterfront area. Roux demobilized CAMP equipment from the Site at the end of July 2024. Roux commenced construction oversight inspections of the Site every two weeks as outlined in the CAMP Pause Request Memo and submitted inspection reports to NYSDEC.

On September 12, 2024, Roux collected five composite soil samples and three grab soil samples for laboratory analysis for waste characterization purposes. CAMP was implemented during all excavation activities and no exceedances were recorded.

NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

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II. BCP Activities Planned for the Next Reporting Period (October 2024)

Roux will continue construction oversight inspections of the Site every two weeks as outlined in the CAMP Pause Request Memo. Following each inspection, Roux will submit an inspection report that will include photographs, observations, and updates on schedule for the anticipated construction of the permanent Site Cover. All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Composite soil waste characterization samples WC-COMP-1(0-5), WC-COMP-2(0-5), WC-COMP-3(0-5), WC-COMP-4(0-5), and WC-COMP-5(0-5) and soil waste characterization grab samples WC-GRAB-1(0-1), WC-GRAB-2(2-3), and WC-GRAB-3(3-5) were collected for laboratory analysis.

V. Deliverables Submitted during the Reporting Period

Inspection reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Approximately 17,720 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil have been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease

November 12, 2024

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, October 2024
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in October 2024.

I. BCP Activities Completed during the Reporting Period

Contractors continued electrical and plumbing work throughout the Site All underground work for the geothermal system has been completed throughout the Site, with all wells tested and connected to the main geothermal manifold. Superstructure work continued throughout the Site.

As per the approved Request for Temporary Modification/Pause of Community Air Monitoring Plan Implementation and Reduction in Oversight Frequency (CAMP Pause Request Memo), the installation of the 2-inch crushed stone temporary stone cover was completed in July 2024 along the waterfront area. Roux demobilized CAMP equipment from the Site at the end of July 2024. Roux commenced construction oversight inspections of the Site every two weeks as outlined in the CAMP Pause Request Memo and submitted inspection reports to NYSDEC.

Between October 10 and October 21, Roux remobilized to the Site to provide oversight of excavation, soil export, and soil import for the landscaping areas in the waterfront region of the Site. CAMP was implemented during all excavation activities and no exceedances were recorded.

NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

3583.0001Y172/PR

II. BCP Activities Planned for the Next Reporting Period (November 2024)

Roux will continue construction oversight inspections of the Site every two weeks as outlined in the CAMP Pause Request Memo. Following each inspection, Roux will submit an inspection report that will include photographs, observations, and updates on schedule for the anticipated construction of the permanent Site Cover. All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Endpoint documentation soil samples WF-A, WF-B, WF-C, WF-D, WF-E, WF-F, and WF-X were collected for laboratory analysis.

V. Deliverables Submitted during the Reporting Period

Inspection reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Approximately 18,020 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil have been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease

December 3, 2024

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, November 2024
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in November 2024.

I. BCP Activities Completed during the Reporting Period

Contractors continued electrical and plumbing work throughout the Site. All underground work for the geothermal system has been completed throughout the Site, with all wells tested and connected to the main geothermal manifold. Superstructure work continued throughout the Site.

As per the approved Request for Temporary Modification/Pause of Community Air Monitoring Plan Implementation and Reduction in Oversight Frequency (CAMP Pause Request Memo), the installation of the 2-inch crushed stone temporary stone cover was completed in July 2024 along the waterfront area. Roux demobilized CAMP equipment from the Site at the end of July 2024. Roux commenced construction oversight inspections of the Site every two weeks, as outlined in the CAMP Pause Request Memo and submitted inspection reports to NYSDEC.

NYSDEC closed spill number 2210240 on May 2, 2023. See May 2023 monthly report for more information.

II. BCP Activities Planned for the Next Reporting Period (December 2024)

Roux will continue construction oversight inspections of the Site every two weeks as outlined in the CAMP Pause Request Memo. Following each inspection, Roux will submit an inspection report that will include photographs, observations, and updates on schedule for the anticipated construction of the permanent Site Cover. All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

None.

V. Deliverables Submitted during the Reporting Period

Inspection reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Approximately 18,020 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil have been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease

January 10, 2025

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, December 2024
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in December 2024.

I. BCP Activities Completed during the Reporting Period

Contractors continued electrical and plumbing work throughout the Site All underground work for the geothermal system has been completed throughout the Site, with all wells tested and connected to the main geothermal manifold. Superstructure work continued throughout the Site.

As per the approved Request for Temporary Modification/Pause of Community Air Monitoring Plan Implementation and Reduction in Oversight Frequency (CAMP Pause Request Memo), the installation of the 2-inch crushed stone temporary stone cover was completed in July 2024 along the waterfront area. Roux demobilized CAMP equipment from the Site at the end of July 2024. Roux commenced construction oversight inspections of the Site every two weeks as outlined in the CAMP Pause Request Memo and submitted inspection reports to NYSDEC. During this reporting period, Roux conducted inspections on December 6 and December 20, 2024.

II. BCP Activities Planned for the Next Reporting Period (January 2025)

Roux will continue construction oversight inspections of the Site every two weeks as outlined in the CAMP Pause Request Memo. Following each inspection, Roux will submit an inspection report that will include photographs, observations, and updates on schedule for the anticipated construction of the permanent Site Cover All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

None.

V. Deliverables Submitted during the Reporting Period

Inspection reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Approximately 18,020 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil have been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease

February 7, 2025

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, January 2025
Greenpoint Ferry (Java Street) Site
127-141 West Street, Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site).

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021, to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in January 2025.

I. BCP Activities Completed during the Reporting Period

Contractors continued electrical and plumbing work throughout the Site All underground work for the geothermal system has been completed throughout the Site, with all wells tested and connected to the main geothermal manifold. Superstructure work continued throughout the Site.

As per the approved Request for Temporary Modification/Pause of Community Air Monitoring Plan Implementation and Reduction in Oversight Frequency (CAMP Pause Request Memo), the installation of the 2-inch crushed stone temporary stone cover was completed in July 2024 along the waterfront area. Roux demobilized CAMP equipment from the Site at the end of July 2024. Roux continued construction oversight inspections of the Site every two weeks as outlined in the CAMP Pause Request Memo and submitted inspection reports to NYSDEC. During this reporting period, Roux conducted inspections on January 17 and January 28, 2025 .

II. BCP Activities Planned for the Next Reporting Period (February 2025)

Roux will continue construction oversight inspections of the Site every two weeks as outlined in the CAMP Pause Request Memo. Following each inspection, Roux will submit an inspection report that will include photographs, observations, and updates on schedule for the anticipated construction of the permanent Site Cover All work will be completed in accordance with the RAWP dated May 2021, and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

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IV. Sampling and Other Data Received or Generated during the Reporting Period

None.

V. Deliverables Submitted during the Reporting Period

Inspection reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Approximately 18,020 CY of non-hazardous soil and an additional 660 CY of hazardous lead-impacted soil have been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for the next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

cc: Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease

February 10, 2023

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, January 2023
Greenpoint Ferry (Java Street) Site
127-141 West Street
Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site). The Site Location Map is provided as Figure 1.

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021 to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in January 2023.

I. BCP Activities Completed during the Reporting Period

The remedial work completed during this period was done in accordance with the Remedial Action Work Plan (RAWP), prepared by Roux dated May 2021 and revised February 2022. Roux provided oversight of subcontractors and implemented the RAWP Site-specific community air monitoring plan (CAMP) during intrusive activities. CAMP monitoring was performed each day, weather permitting, and consisted of three CAMP stations monitoring dust and organic vapors in upwind and downwind ambient air around the work areas as well as near the pedestrian entrance of the Ferry located at the end of India Street. Each station consisted of a particulate meter and a photoionization detector.

General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Excavation for SOE and foundation elements (i.e., footings) resulted in offsite soil disposal which is discussed in more detail below. Contractors performed waterproofing installation and will continue as foundation installation progresses. Additionally, contractors installed rebar and concrete forms Site-wide. Contractors also drove piles, installed sheet metal walls, drilled caissons, and poured concrete to create whalers, mud slabs, foundation slabs, pile caps, and foundation walls. Dewatering activities continued.

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California ■ Illinois ■ Massachusetts ■ New Jersey ■ New York ■ Texas ■ Virginia

Drilling associated with the installation of the geothermal wells continued throughout January 2023, in accordance with the Change of Use (COU) notification previously submitted to NYSDEC.

During this reporting period, 56 loads of non-hazardous soil were exported to the Bayshore Recycling Corporation in Keasbey, New Jersey. Roux was present on all working days and daily reports were submitted to NYSDEC and the New York State Department of Health (NYSDOH).

II. BCP Activities Planned for the Next Reporting Period (February 2023)

Remedial activities will continue in February with SOE installation, excavation, and soil disposal activities until completion. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021 and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Roux collected one sample of the bedrock cuttings generated during the geothermal drilling to evaluate reuse on Site: Rockdust_012023. Roux will provide the results from this sampling to NYSDEC.

Roux collected three samples of the treated drill water from the effluent weir tank used to hold effluent water from the geothermal drilling on Site. Roux provided the results from this sampling to NYSDEC.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. 2,920 CY of non-hazardous soil and an additional 520 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

Attachments

cc:
Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Bruce Anderson, Lendlease
Hiro Sato, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

February 10, 2023

Mr. Richard Mustico
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-5060

Re: Monthly Progress Report, January 2023
Greenpoint Ferry (Java Street) Site
127-141 West Street
Brooklyn, New York 10466
Tax Block and Lot 3-2538-1
NYSDEC Site No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC, is submitting this Monthly Progress Report (Report) for the Greenpoint Ferry (Java Street) site, located at 127-141 West Street (a.k.a. 14-28 India Street and 1-45 Java Street) in the Greenpoint section of Brooklyn, Kings County, New York (referred to herein as Site). The Site Location Map is provided as Figure 1.

Stiles Properties, LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on October 31, 2018, to investigate, remediate and redevelop the 2.441-acre Site (BCA Index No. C224272-08-15; BCP Site No. C224272). Subsequently, the BCA was amended on January 8, 2021 to include 1 Java Owner LLC to the BCA as a Participant. This Report was prepared as required by the NYSDEC BCA dated October 31, 2018, as amended on January 8, 2021, Site No. C224272. This Report describes activities completed at the Site in January 2023.

I. BCP Activities Completed during the Reporting Period

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General foundation and support of excavation (SOE) work continued with soil disposal activities occurring, as necessary in accordance with the RAWP. Excavation for SOE and foundation elements (i.e., footings) resulted in offsite soil disposal which is discussed in more detail below. Contractors performed waterproofing installation and will continue as foundation installation progresses. Additionally, contractors installed rebar and concrete forms Site-wide. Contractors also drove piles, installed sheet metal walls, drilled caissons, and poured concrete to create whalers, mud slabs, foundation slabs, pile caps, and foundation walls. Dewatering activities continued.

209 Shafter Street ■ Islandia, New York 11749 ■ +1.631.232.2600 ■ www.rouxinc.com
California ■ Illinois ■ Massachusetts ■ New Jersey ■ New York ■ Texas ■ Virginia

Drilling associated with the installation of the geothermal wells continued throughout January 2023, in accordance with the Change of Use (COU) notification previously submitted to NYSDEC.

During this reporting period, 56 loads of non-hazardous soil were exported to the Bayshore Recycling Corporation in Keasbey, New Jersey. Roux was present on all working days and daily reports were submitted to NYSDEC and the New York State Department of Health (NYSDOH).

II. BCP Activities Planned for the Next Reporting Period (February 2023)

Remedial activities will continue in February with SOE installation, excavation, and soil disposal activities until completion. Roux will continue to provide oversight of subcontractors and implement CAMP during intrusive activities. All work will be completed in accordance with the RAWP dated May 2021 and revised February 2022.

III. Schedule and Changes to Scope of Work or Schedule

No changes to the scope of work or schedule occurred during the reporting period.

IV. Sampling and Other Data Received or Generated during the Reporting Period

Roux collected one sample of the bedrock cuttings generated during the geothermal drilling to evaluate reuse on Site: Rockdust_012023. Roux will provide the results from this sampling to NYSDEC.

Roux collected three samples of the treated drill water from the effluent weir tank used to hold effluent water from the geothermal drilling on Site. Roux provided the results from this sampling to NYSDEC.

V. Deliverables Submitted during the Reporting Period

Daily reports were provided to the NYSDEC/NYSDOH.

VI. Percentage of Work Completion and Any Delays

Remedial activities continued, including excavation and soil disposal. Roux will continue to track and report ongoing soil disposal activities to NYSDEC. 2,920 CY of non-hazardous soil and an additional 520 CY of hazardous lead-impacted soil has been exported off-Site to date.

VII. Citizen's Participation Plan Actions Taken during the Reporting Period

No Citizen Participation Actions occurred during the reporting period.

VIII. Citizen's Participation Plan Actions Planned for the Next Reporting Period

No Citizen Participation Actions planned for next reporting period.

If you have any questions or concerns, please feel free to contact the undersigned at 631-232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Emily Butler
Project Geologist

Robert Kovacs, P.G., LSRP
Principal Scientist

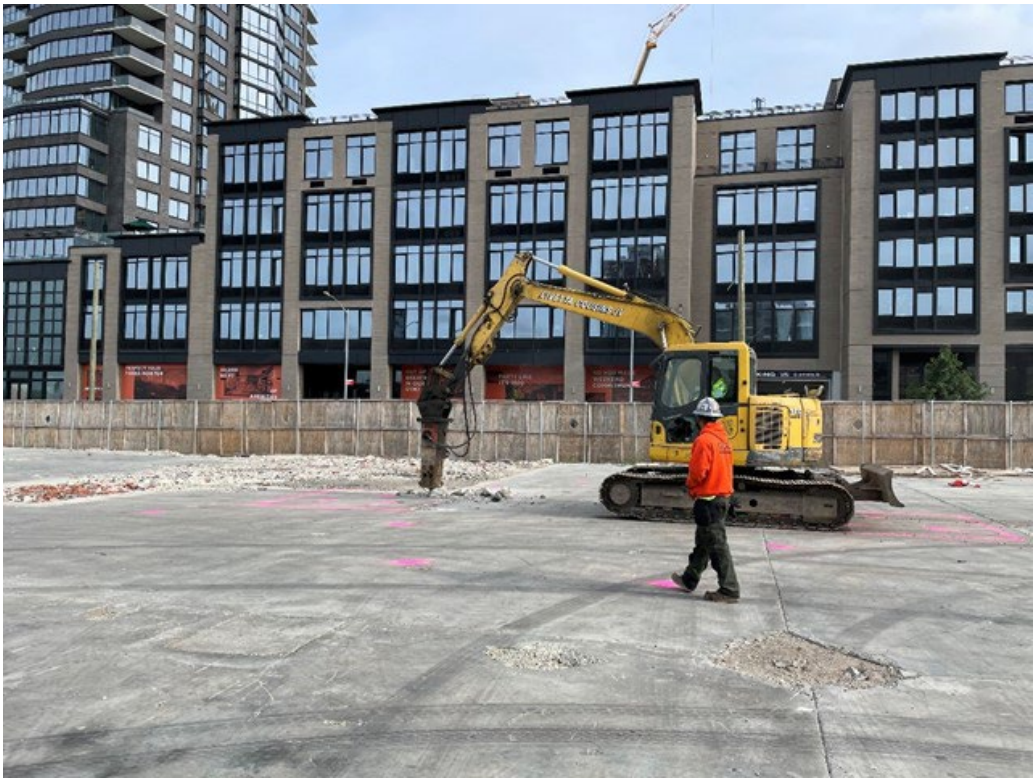
Attachments

cc:
Scarlett McLaughlin, NYSDOH
Brooke Nicholson, Lendlease
Bruce Anderson, Lendlease
Hiro Sato, Lendlease
Michael Bogin, Sive Paget
Jennifer Coghlan, Sive Paget

APPENDIX J

Project Photo Log

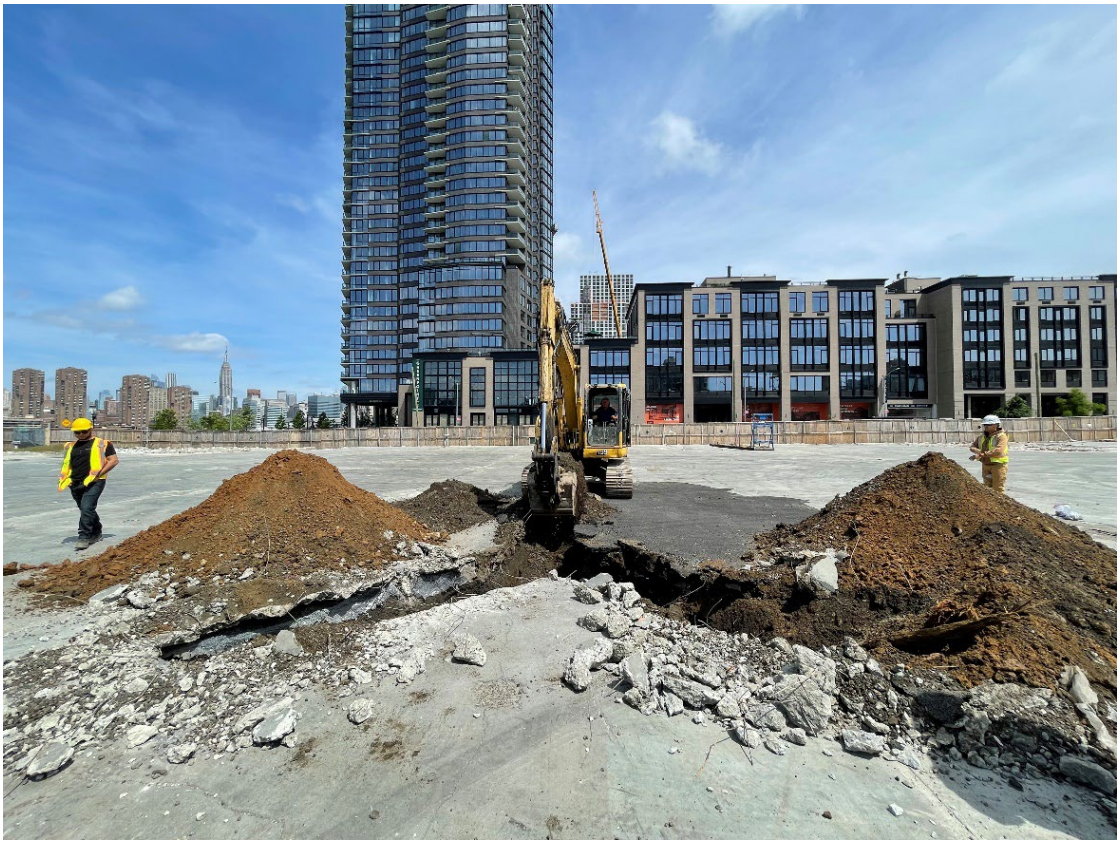
(Provided on CD in Bound Copy)



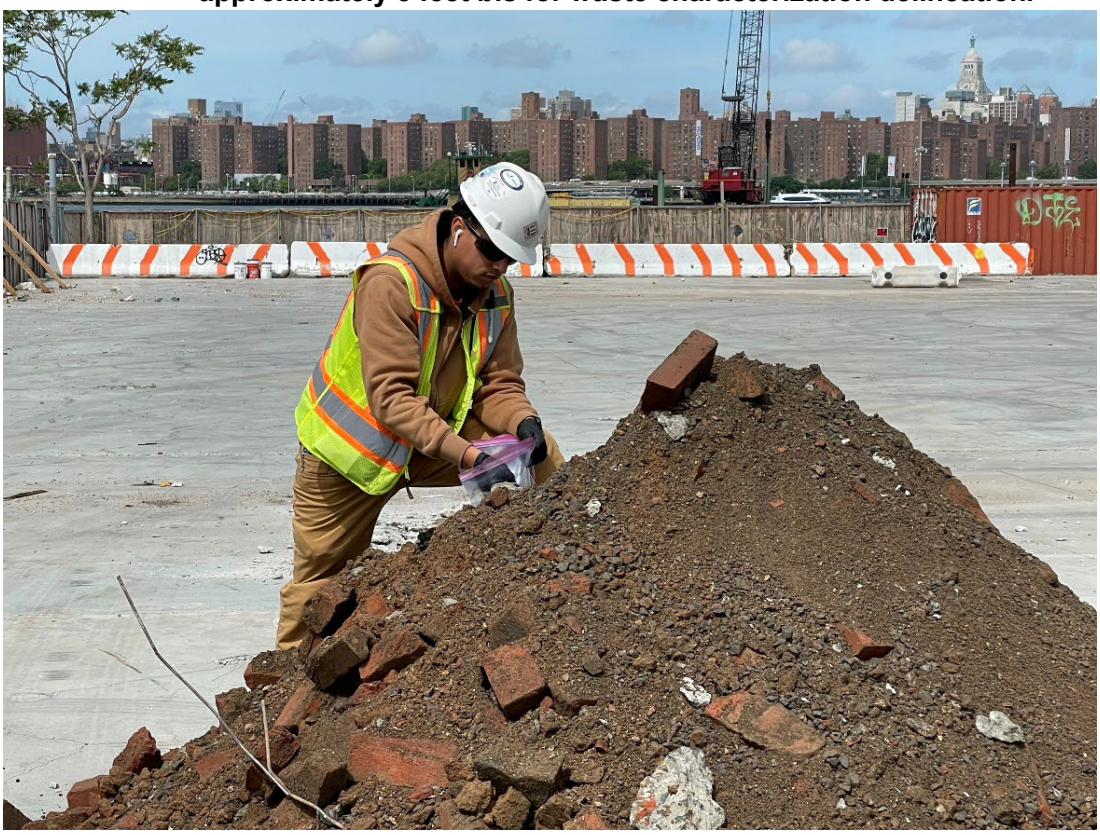
Photograph 1: Taken 05.26.2022. Facing north, Civetta breaking concrete slab for 421a pile installation.



Photograph 2: Taken 05.26.2022. Facing south, Civetta excavating test pits to approximately 5 feet bls for waste characterization delineation at SC-6A, -6B, and 6C sample locations.



Photograph 3: **Taken 05.26.2022. Facing north, Civetta excavating test pits to approximately 5 feet bls for waste characterization delineation.**



Photograph 4: **Taken 05.26.2022. Facing west, Impact collecting waste characterization delineation sample from material excavated at a delineation test pit location.**



Photograph 5: **Taken 06.27.2022. Looking west: View of Downwind CAMP station located in the northeast corner of the Site.**



Photograph 6: **Taken 06.30.2022. Facing south, Simpson & Brown conducting pile driving in the west area of the site.**



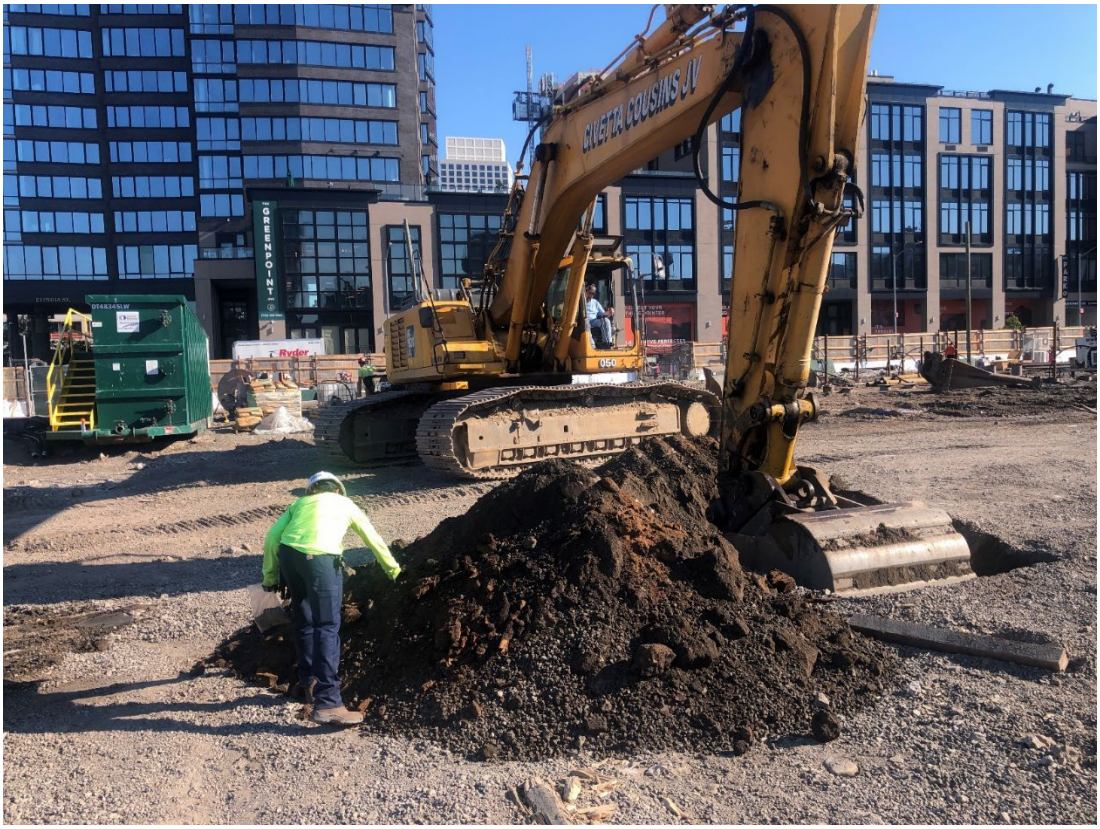
Photograph 7: **Taken 07.08.2022. Facing east, Simpson and Brown setting up first load test.**



Photograph 8: **Taken 07.29.2022. Civetta Cousins JV (CCJV) excavating lead hot spot in grid cell SC-5 for transport and disposal to CleanEarth of North Jersey in Kearny, NJ..**



Photograph 9: Taken 08.15.2022. Facing west, CCJV performing caisson drilling within the southeast area of grid SC-1.



Photograph 10: Taken 08.19.2022. Facing north, CCJV excavating for test pit "J" within the center area of grid SC-4 for waste characterization soil sample collection.



Photograph 11: Taken 08.23.2022. MW Geo performing geothermal drilling within the north corner of grid SC-14.



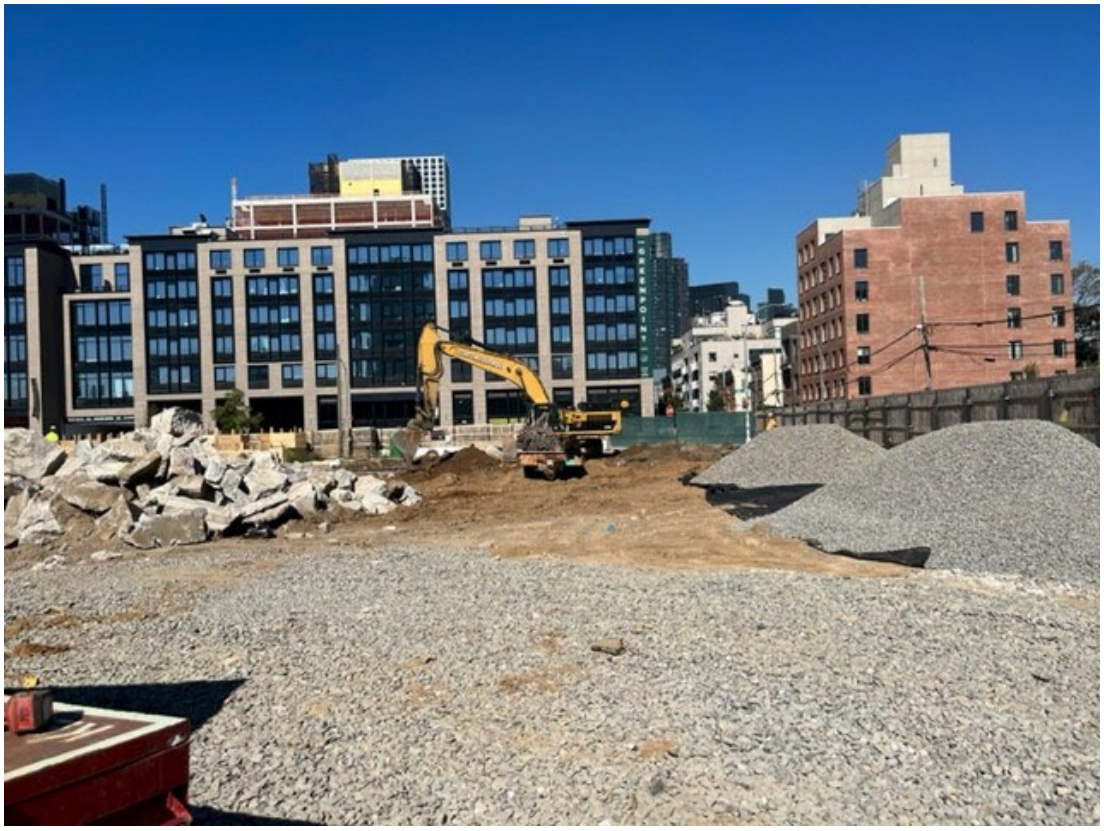
Photograph 12: Taken 08.30.2022. Facing south-southeast, Trevcon initiated sheet pile driving activities between grid cells SC-2 and SC-3.



Photograph 13: Taken 09.08.2022. Facing south, CCJV starts excavating test pit for soil sampling in the north area of grid cell SC-4.



Photograph 14: Taken 09.12.2022. Facing north, View of the Downwind CAMP station located south of grid cell SC-6.



Photograph 15: Taken 10.21.2022. Facing south, CCJV starts excavating test pit for soil sampling in the north area of grid cell SC-4.



Photograph 16: Taken 10.28.2022. Facing south east, CCJV filling piles with concrete in SC-4.



Photograph 17: Taken 10.31.2022. CCJV overall progress on drilling piles in northern section of grid cell SC-4.



Photograph 18: Taken 11.09.2022. Facing south, CCJV sheet pile driving in grid cell SC-4.



Photograph 19: Taken 11.17.2022. Facing south, CCJV pile drilling in southern section of grid cell SC-4.



Photograph 20: Taken 11.29.2022. Facing south, CCJV pouring caissons with cement.



Photograph 21: Taken 11.30.2022. Facing south east, CCJV loading soil from lead hotspot in northern section of grid cell SC-4 to be exported to Clean Earth of Kearny, NJ.



Photograph 22: Taken 12.09.2022. Facing south, CCJV's progress on installing foundation elements in northern section of grid cell SC-4.



Photograph 23: Taken 12.22.2022. Facing south, Brightcore drilling a geothermal well in grid cell SC-4.



Photograph 24: Taken 12.28.2022. Facing southeast, CCJV loading soil from lead hotspot in northern section of grid cell SC-4 to be exported to Clean Earth of Kearny, NJ.



Photograph 25: Taken 01.06.2023. Facing southeast, CCJV filling caissons with cement and installing rebar.



Photograph 26: Taken 01.13.2023. Facing west, Brightcore drilling a geothermal well in grid cell SC-4.



Photograph 27: Taken 01.18.2023. Facing south, CCJV installing foundation footing in grid cells SC-7 and SC-8.



Photograph 28: Taken 01.25.2023. Facing south, CCJV excavating to aid the installation of foundation elements by CCJV and Atlantic Reinforcing in grid cell SC-8.



Photograph 29: Taken 01.26.2023. Facing west, CCJV loading a truck for export of non-hazardous soil to Bayshore Soil Management facility.



Photograph 30: Taken 02.03.2023. Facing south east, midday conditions of the Site after import delivery of 1.5" bluestone backfill.



Photograph 31: Taken 02.06.2023. Facing north west, Brightcore cleaning geothermal rig discharge tank.



Photograph 32: Taken 02.08.2023. Facing south east, CCJV and Atlantic Reinforcing installing waterproofing within foundation footing in grid cells SC-10 and SC-11.



Photograph 33: Taken 02.10.2023. Facing southwest, Geosource drilling geothermal well in grid cell SC-4.



Photograph 34: Taken 02.21.2023. Facing southwest, Atlantic Reinforcing reinforcing rebar in SC-4.



Photograph 35: Taken 03.07.2023. Facing southwest, Simpson & Brown beginning pile driving in SC-1 and SC-2.



Photograph 36: Taken 03.09.2023. Facing southeast, CCJV unloading 1.5" Bluestone material from Impact Environmental in Lyndhurst, NJ.



Photograph 37: Taken 03.11.2023. Facing southwest, Adler tank containing water discharged through the effluent water treatment system.



Photograph 38: Taken 03.20.2023. Facing northeast, Brightcore/Geosource grouting/looping geothermal well in SC-7.



Photograph 39: Taken 03.28.2023. Facing southeast, CCJV loading an export truck with non-hazardous soil from SC-15/SC-16 to Bayshore.



Photograph 40: Taken 03.31.2023. Facing west, condition of waterproofing for sheer wall in SC-15/SC-16.



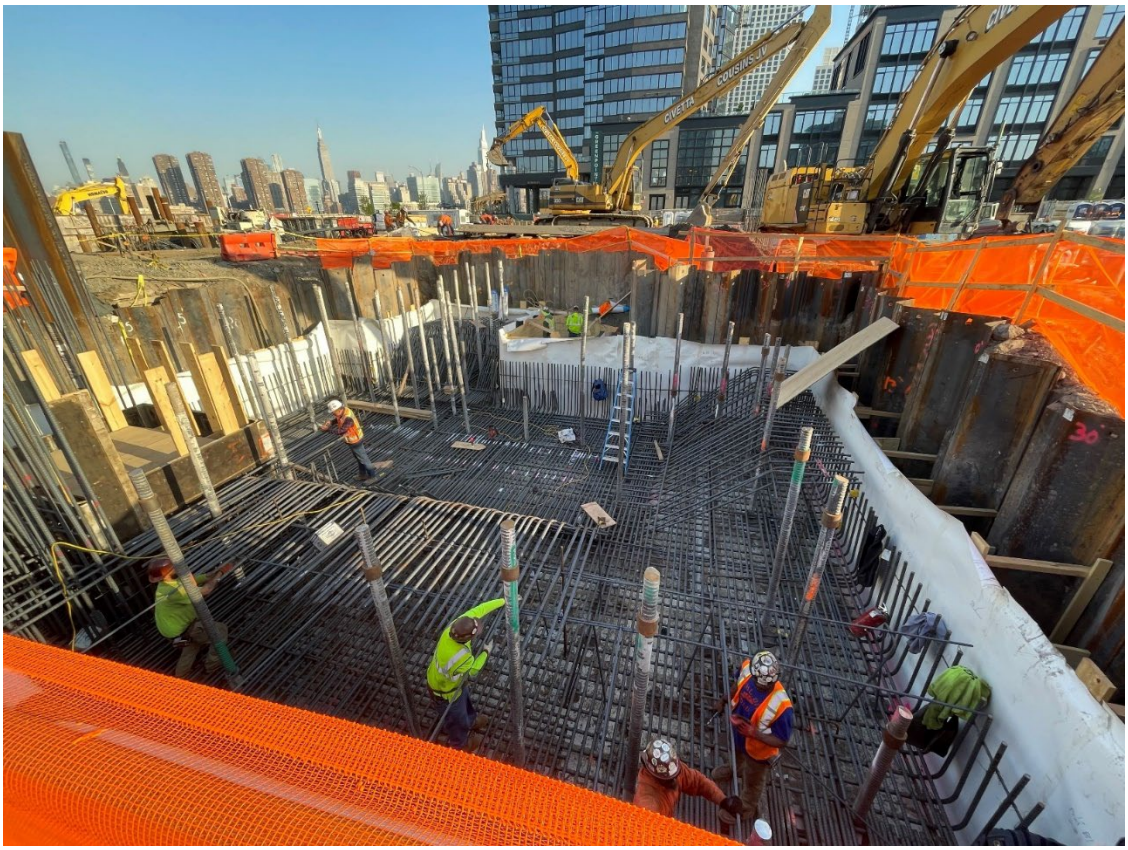
Photograph 41: Taken 04.10.2023. Facing south, view of progress of excavation for sheer wall in SC-4, SC-5, and SC-6.



Photograph 42: Taken 04.12.2023. Facing east, progress of L-Retention wall along the East River and boundary of the Site.



Photograph 43: Taken 04.17.2023. Facing south, view of sand placed down as bedding in trench for horizontal connections to geothermal wells.



Photograph 44: Taken 04.21.2023. Facing northwest, Atlantic reinforcing placing rebar in pile caps in grid cells SC-4.



Photograph 45: Taken 05.04.2023. Facing east, view of CCJV removing steel sheeting in grid cells SC-4/SC-5/SC-6.



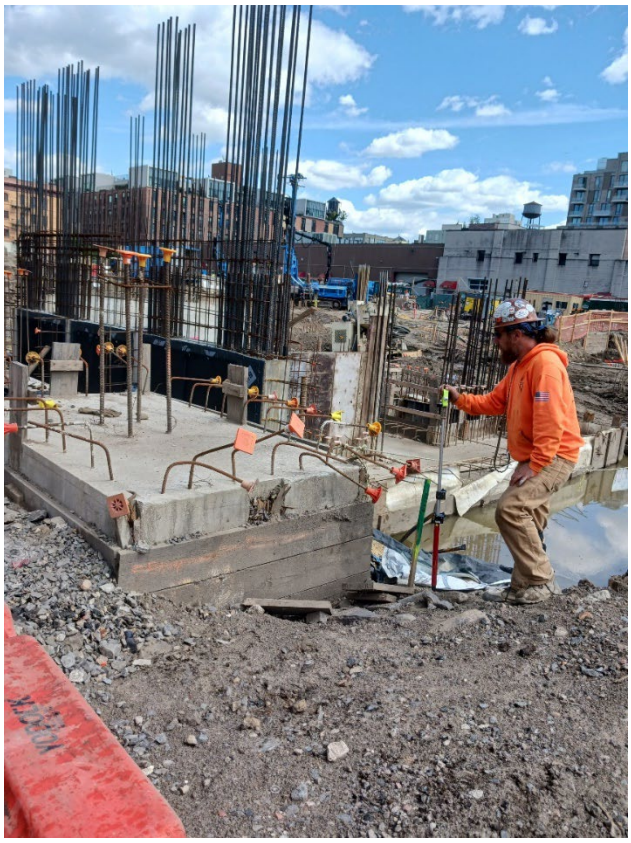
Photograph 46: Taken 05.17.2023. Facing northwest, view of excavation for pile cap formwork in SC-11/SC-13.



Photograph 47: Taken 05.22.2023. Facing northwest, view of general site conditions at the end of the workday.



Photograph 48: Taken 05.25.2023. Facing northeast, view of American Well placing horizontal piping and backfilling with imported natural concrete sand.



Photograph 49: Taken 06.05.2023. Facing southeast, view of New York City Land Surveyors surveying endpoint sampling locations.



Photograph 50: Taken 06.13.2023. Facing south, view of GeoSource grouting a geothermal well in SC-12.



Photograph 51: Taken 06.15.2023. Facing southwest, CCJV drilling caissons for crane pad foundation.



Photograph 52: Taken 06.20.2023. Facing northwest, CCJV trenching in SC-7 and SC-8 for horizontal geothermal well connections



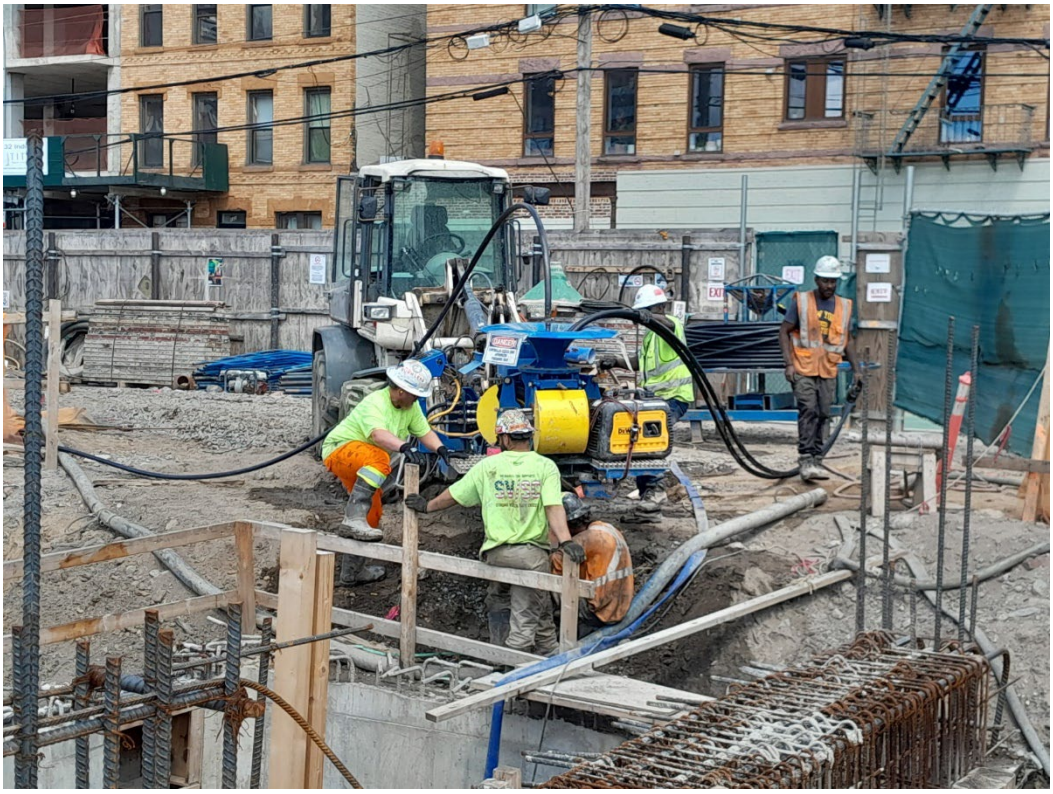
Photograph 53: Taken 07.07.2023: View of waterproofing along sheer wall in SC-16. Bithuthene, hydroduct, and liquid membrane applied.



Photograph 54: Taken 07.08.2023. Facing southeast, three drill rigs in use for daily drilling activity.



Photograph 55: Taken 07.19.2023. Facing south, view of MFM partially backfilling SC-2 utility trench with crushed bluestone.



Photograph 56: Taken 08.01.2023. Facing east, view of Geosource looping a geothermal well in SC-16.



Photograph 57: Taken 08.10.2023. Facing southwest, view of MFM's utility work progress in the west end of the Site.



Photograph 58: Taken 08.16.2023. Facing southwest, view of Civetta's framing work for the north crane tower base.



Photograph 59: Taken 08.18.2023. Facing northeast; view of Civetta continuing trenching operations throughout the Site.



Photograph 60: Taken 08.31.2023. east, view of geothermal well connections installed by Brightcore.



Photograph 61: Taken 09.01.2023. Facing east, view of poured cellar slab in the north end of the Site.



Photograph 62: Taken 09.20.2023. Facing northwest, view of Brightcore backfilling over a section of completed geothermal well connections.



Photograph 63: Taken 09.27.2023. Facing northeast, view of Civetta continuing framing / foundation work south of the north cellar area.



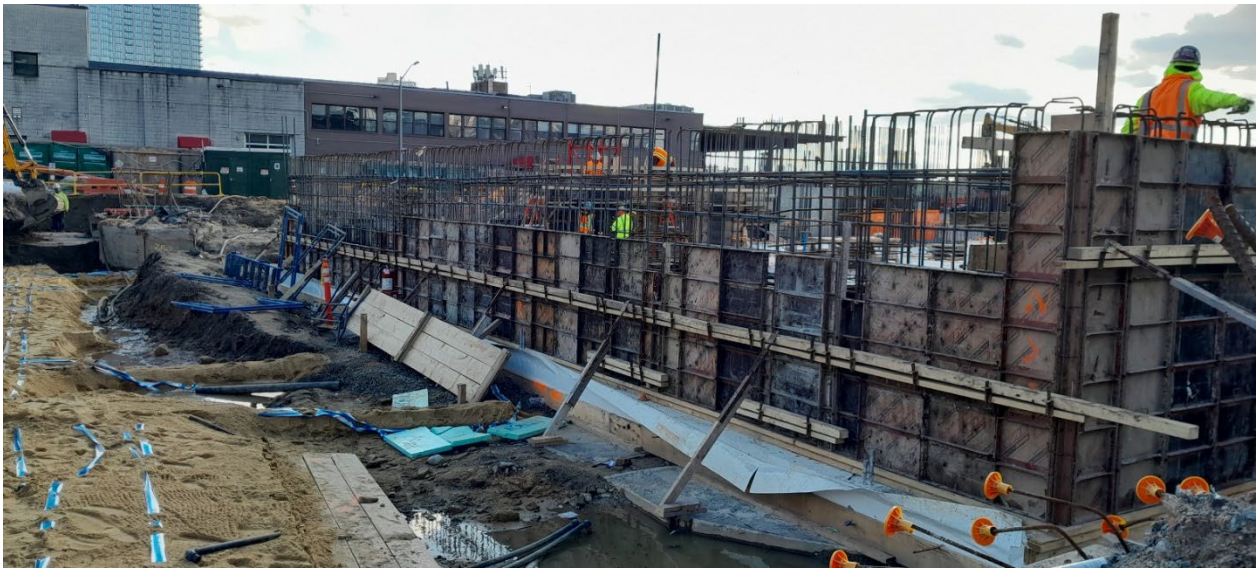
Photograph 64: Taken 10.10.2023. Facing south, view of Civetta / RTI's waterproofing progress at the end of the workday.



Photograph 65: Taken 10.13.2023. Facing northwest, view of Civetta loading soil from the main stockpile into a tri-axle truck for export to Bayshore Soil Management.



Photograph 66: Taken 10.20.2023. Facing southeast, view of the main cellar pour at the end of the workday.



Photograph 67: Taken 11.01.2023. Facing southwest; view of Civetta / Atlantic continuing form and rebar work for the east cellar wall.



Photograph 68: Taken 11.07.2023. Facing northwest, view of Melric's progress on installed exterior waterproofing along the east cellar wall.



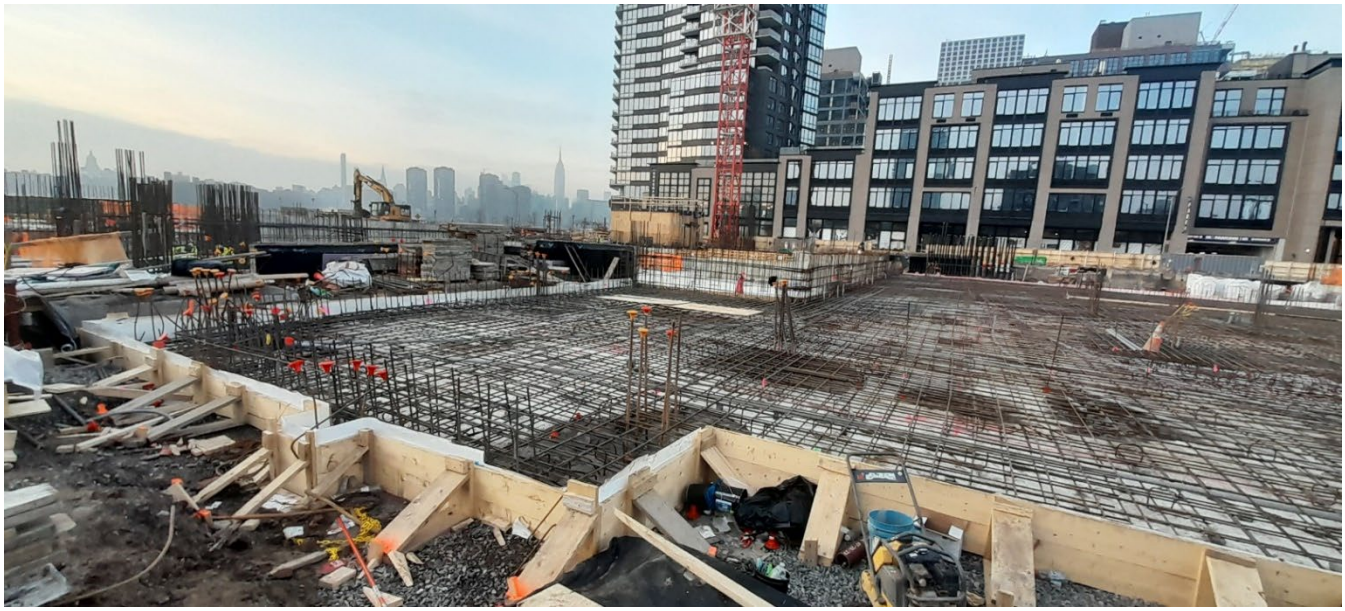
Photograph 69: Taken 11.18.2023. Facing southwest, view of Atlantic installing rebar over a completed section of sub-slab waterproofing / vapor barrier east of the main electrical shed.



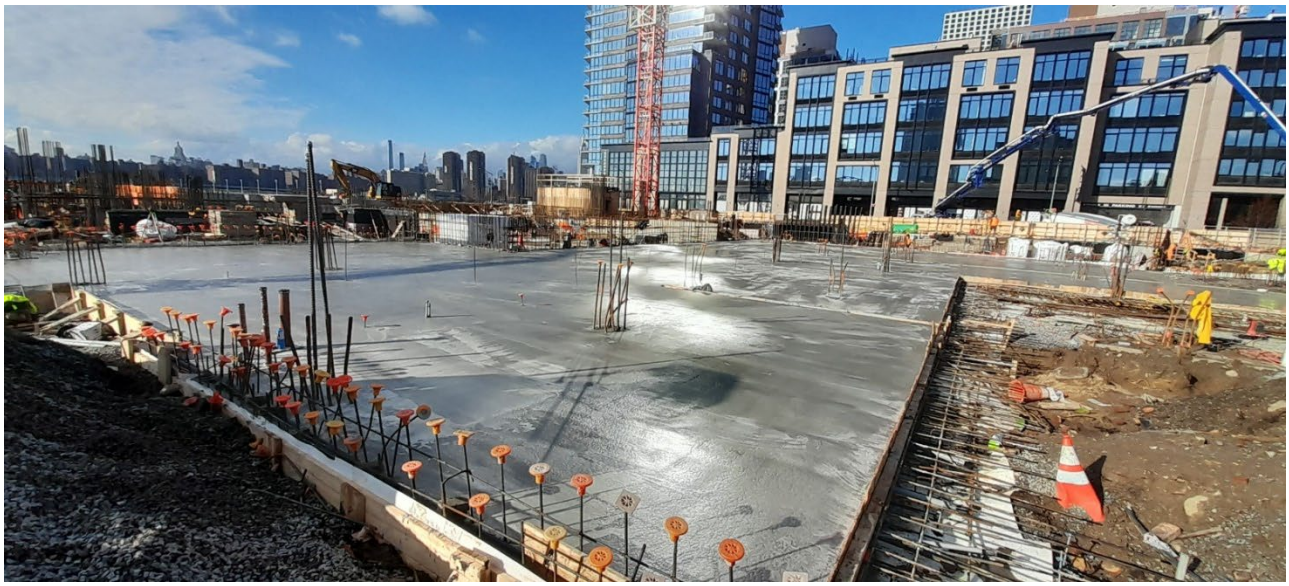
Photograph 70: Taken 12.11.2023. Facing south, view of Brightcore backfilling sand in the grid 9 geothermal trench.



Photograph 71: Taken 12.20.2023. Facing northwest, view of Civetta loading a tri-axle truck with rock and concrete debris for export to Impact Brooklyn.



Photograph 72: Taken 12.26.2023. Facing northwest, view of Atlantic's rebar progress for the eastern cellar slab.



Photograph 73: Taken 12.29.2023. Facing northwest, view of completed east cellar slab pour at the end of the workday.



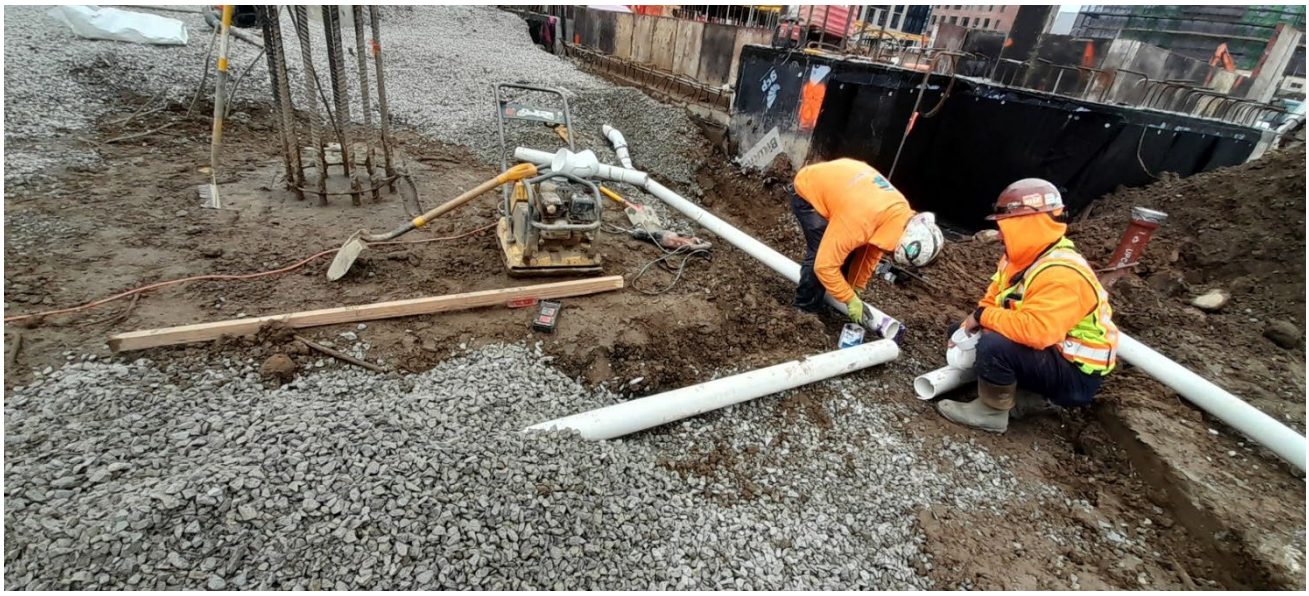
Photograph 74: Taken 01.09.2024. Facing southeast, view of newly installed perforated SSDS piping backfilled with crushed stone in the SW corner of the Site.



Photograph 75: Taken 01.22.2024. Facing northwest, view of RNC / GRM pouring columns throughout the west cellar area.



Photograph 76: Taken 01.29.2024. Facing south, view of RNC continuing deck and column work above the west cellar.



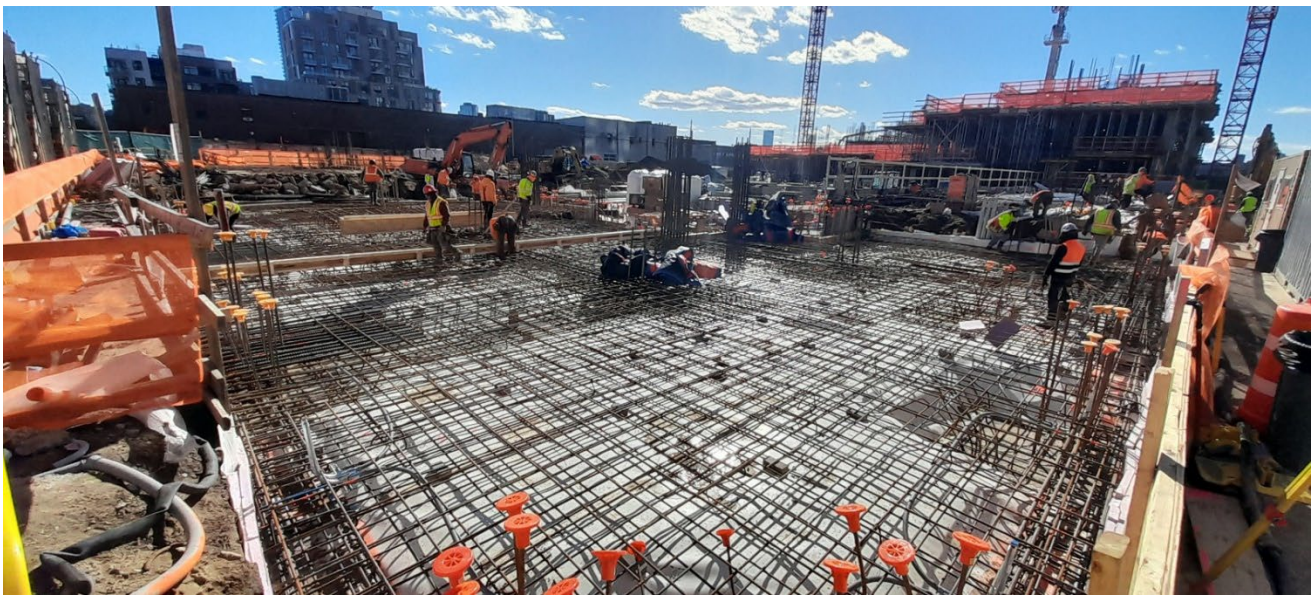
Photograph 77: Taken 02.01.2024. Facing northeast, view of Civetta installing a new section of perforated SSDS piping in the SW corner of the Site.



Photograph 78: Taken 02.05.2024. Facing south, view of Melric's newly installed waterproofing / vapor barrier for the "Y" slab in the SW corner of the Site.



Photograph 79: Taken 02.07.2024. Facing southeast, view of RNC continuing layout work for the third-floor deck.



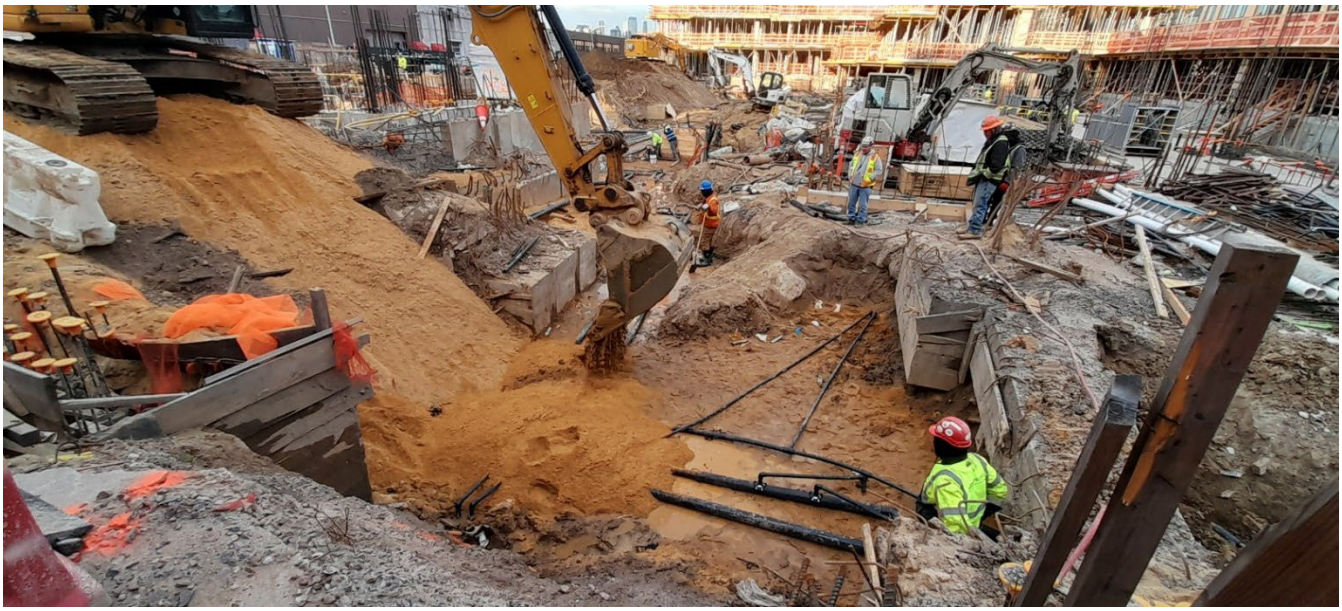
Photograph 80: Taken 02.29.2024. Facing southwest, view of Atlantic's rebar progress for the Pour 7 slab in the NE corner of the Site.



Photograph 81: Taken 03.09.2024. Facing west, view of general Site conditions.



Photograph 82: Taken 03.14.2024. Facing southeast, view of American Well continuing geothermal connection work along the south end of the Site.



Photograph 83: Taken 03.20.2024. Facing west, view of Brightcore / RNC backfilling sand over completed geothermal connections on the east end of the Site.



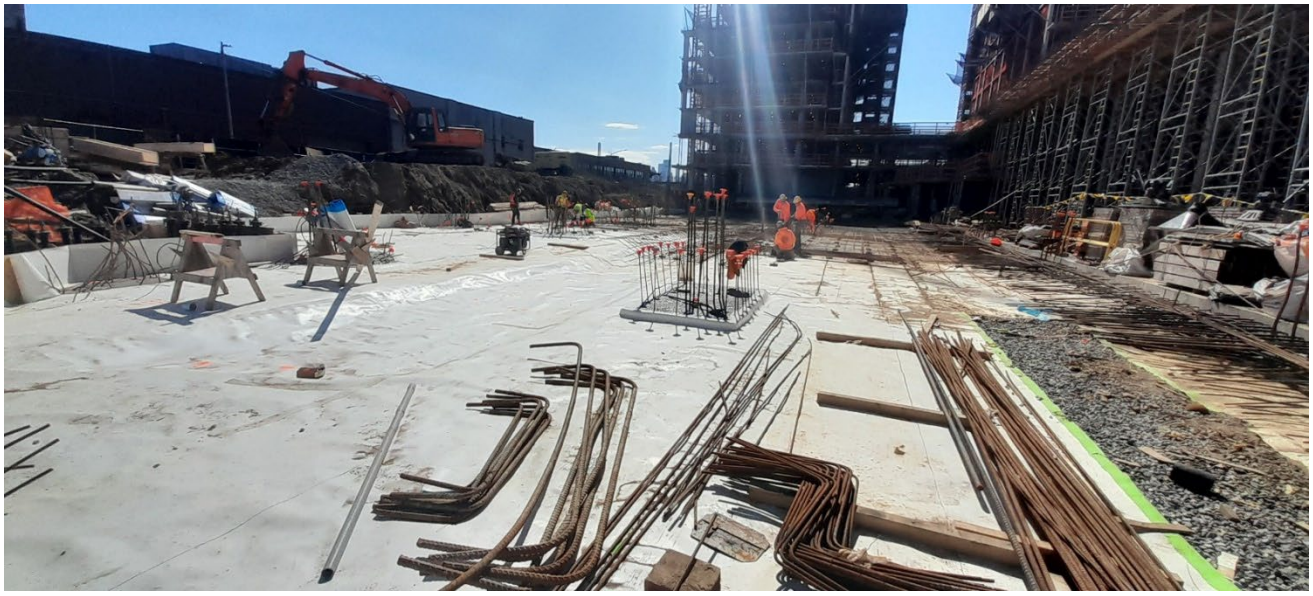
Photograph 84: Taken 03.29.2024. Facing northwest, view of Civetta / Atlantic continuing framing and rebar work for the next portion of the east end slab.



Photograph 85: Taken 04.04.2024. Facing northwest, view of RNC / GRM pouring additional walls and columns for the south tower via concrete placement boom.



Photograph 86: Taken 04.19.2024. Facing west, view of waterproofing being placed on top of 1.5" bluestone within the southeastern region of the Site.



Photograph 87: Taken 04.25.2024. Facing west, view of Melric's waterproofing / vapor barrier installation along the south end of the Site



Photograph 88: Taken 04.30.2024. Facing west, view of Civetta's grade beam framing progress in the NW corner of the Site.



Photograph 89: Taken 05.09.2024. Facing north west, view of Merlic's exterior waterproofing progress on the 4B slab walls.



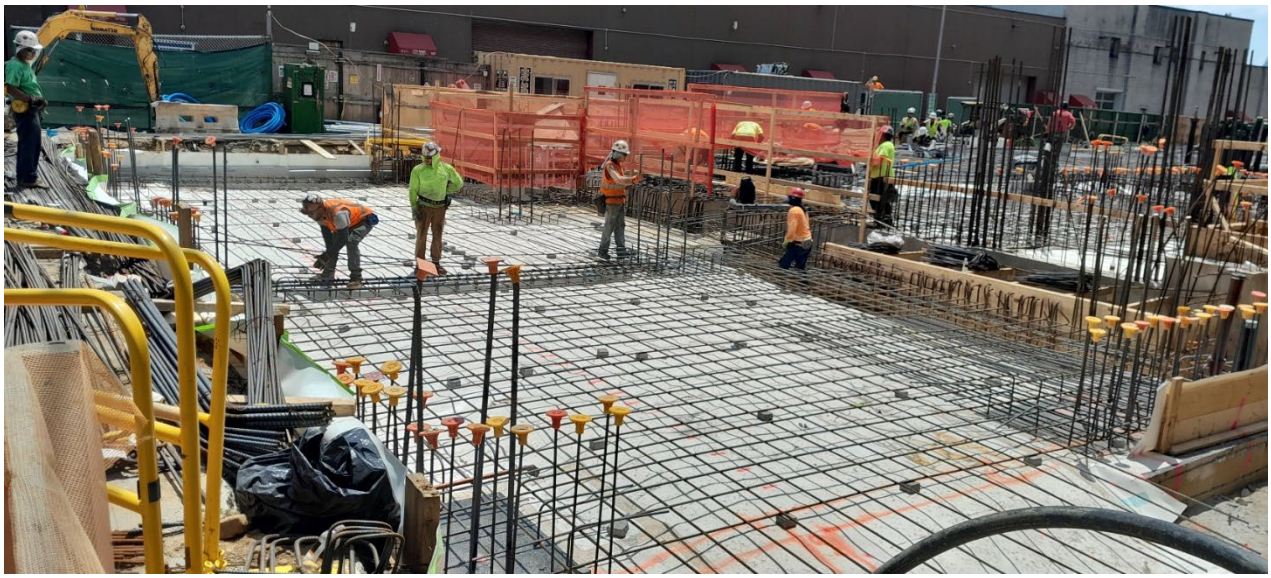
Photograph 90: Taken 05.22.2024. Facing southwest, view of Cuenca Coronel tri-axle dump truck being loaded with soil from grid cells C2 / D2 for export.



Photograph 91: Taken 05.31.2024. Facing west, view of a new section of SSDS piping installed by Civetta on the south end of the Site.



Photograph 92: Taken 06.18.2024. Facing north east, view of Civetta spreading and compacting crushed stone along the south end of the Site.



Photograph 93: Taken 06.26.2024. Facing south west, view of Atlantic installing a new section of rebar in the SE corner of the Site.



Photograph 94: Taken 06.28.2024. Facing north east, view of Civetta pouring a new concrete slab on the south end of the Site.



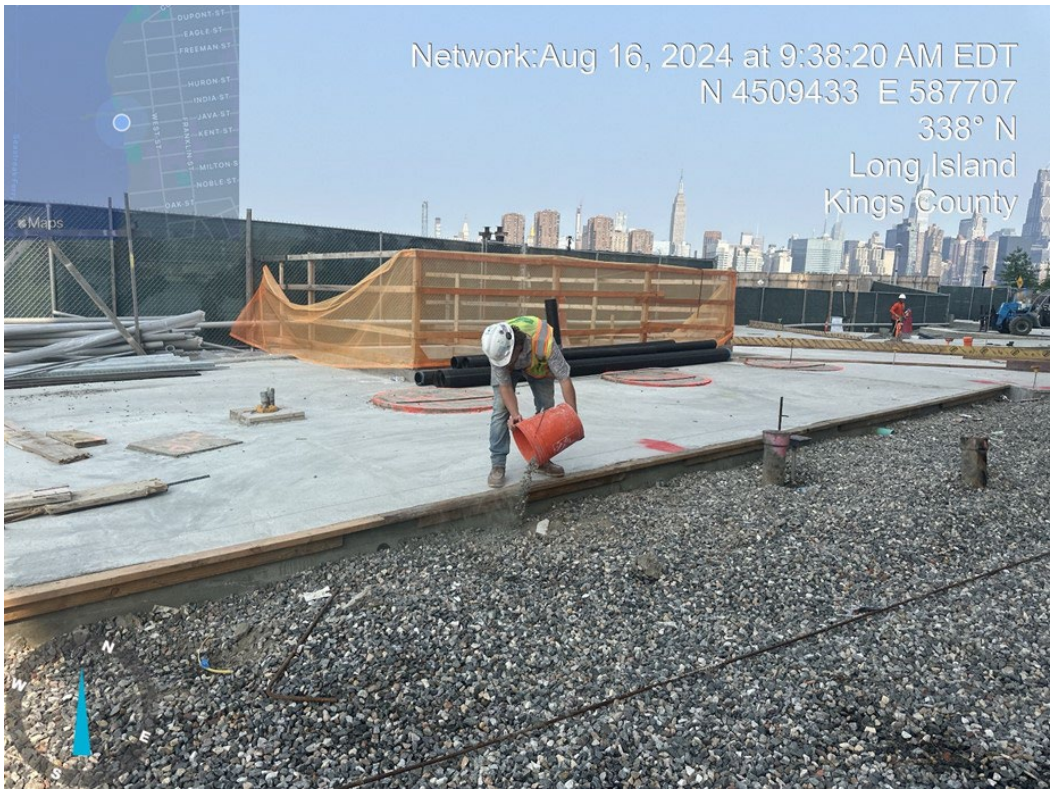
Photograph 95: Taken 07.10.2024. Facing northwest, view of RNC using a mobile crane to lift decking materials onto the south podium deck.



Photograph 96: Taken 07.29.2024. Facing east, view of concrete pouring in southeast corner of third floor.



Photograph 97: Taken 07.31.2024. Facing north, view of completed distribution of stone in waterfront area.



Photograph 98: Taken 08.16.2024. Facing north, gravel being installed in temporary cover system gaps where native soil was exposed.



Photograph 99: Taken 09.12.2024. Facing west, view of Casale excavating Test Pit A on the west end of the waterfront park area.



Photograph 100: Taken 10.12.2024. Facing east, view of Casale loading a LAD dump truck with soil from area "D" for export to Bayshore Soil Management.



Photograph 101: Taken 10.16.2024. Facing east, view of Casale backfilling imported soil from Ranco Sand and Stone Corporation in Manorville, NY.



Photograph 102: Taken 11.22.2024. Facing northeast, view of covered clean soil in Grid D and pavers installed in Grid E.



Photograph 103: Taken 12.20.2024. Facing north, view of pavers covered with black plastic sheeting.



Photograph 104: Taken 02.14.2025. Facing southwest, view of hardscape area in the waterfront park area.



Photograph 105: Taken 03.28.2025. Facing northwest, view of rip rap in and outside of site perimeter.



Photograph 106: Taken 04.04.2025. Facing north, view of newly planted trees in the southwest corner of the waterfront park area.



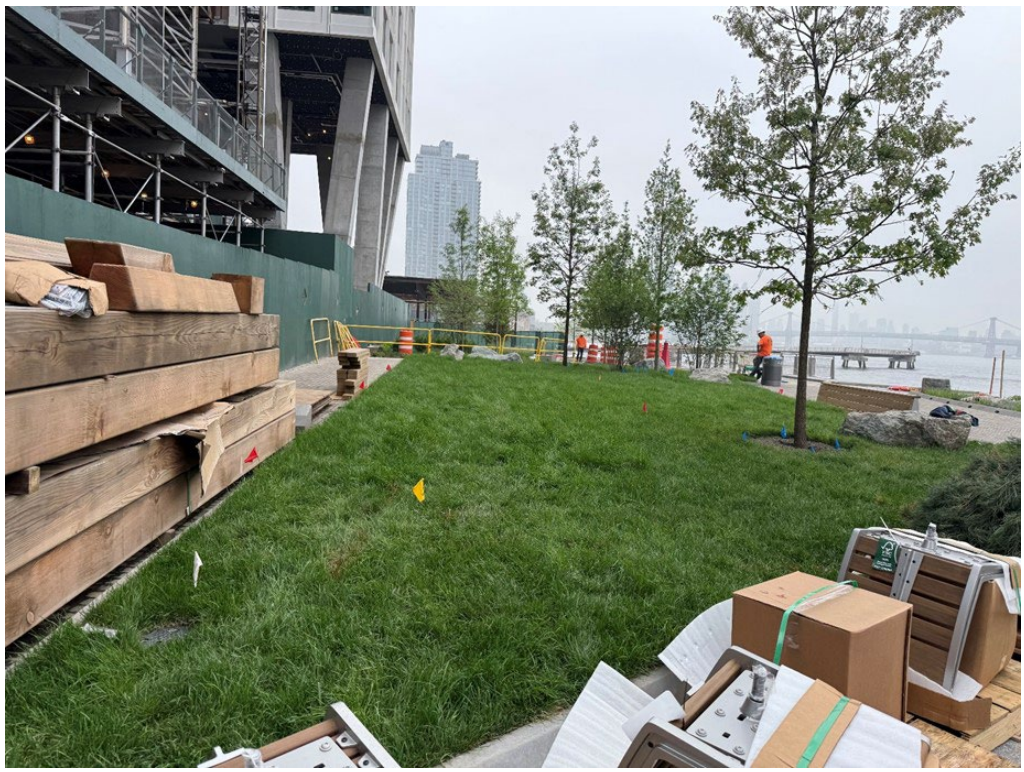
Photograph 107: Taken 05.08.2025. Facing south, view of the monitoring well MW-1 installed within the West Street sidewalk.



Photograph 108: Taken 05.09.2025. Facing north, view of ADT drilling MW-3 in the landscaped area in the north portion of the Site.



Photograph 109: Taken 05.09.2025. Facing southeast, view of a monitoring well installed in the landscaped area in the south portion of the Site.



Photograph 110: Taken 05.16.2025. Facing southwest, view of landscaping in the waterfront park area.



Photograph 111: Taken 06.13.2025. Facing south, view of the hardscape and landscape in the waterfront park area

APPENDIX K-1

Non-hazardous Soil/Waste Characterization Documentation:
Facility Acceptance and Manifests
(Provided Separately)

APPENDIX L-1

Hazardous Soil/Waste Characterization Documentation:
Facility Acceptance and Manifests
(Provided Separately)

APPENDIX M

Soil Reuse and Rock Dust Reuse Plans

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Restricted Residential Use

Have Ecological Resources been identified? no

Is this soil originating from the site? yes

How many cubic yards of soil will be imported/reused? 200-300

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? yes

Does it contain less than 10%, by weight, material that would pass a size 10 sieve? Choose an item

Does it contain less than 10%, by weight, material that would pass a size 100 sieve? Choose an item

Is this virgin material from a permitted mine or quarry? no

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

This request is for the reuse of the deep virgin bedrock cuttings generated from onsite geothermal well drilling. The virgin bedrock cuttings will be placed below the site cover system as utility trench bedding. As part of the geothermal well drilling process, once at the depth of competent bedrock, the drilling water and bedrock solids effluent are sent to a settling tank, through a weir and through bag filters to separate water from bedrock solids. The solids left behind as part of this process are virgin bedrock cuttings (see attached photo).

A sample of this material was collected from a stockpile on January 20, 2023 and analyzed for VOCs, SVOCs, metals, PCBs, Pesticides, and herbicides (please see attached data summary tables).

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

The deep bedrock sample was compared to the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and the Part 375 Protection of Groundwater SCOs. All compounds are below standard, with the exception of total chromium, which was detected at 36 milligrams per kilogram (mg/kg), marginally above the most stringent SCO of 30 mg/kg. Note, chromium is not a compound of concern at the Site, and this detection is naturally occurring. Additionally, hexavalent chromium was not detected, further supporting that this low-level chromium detection is naturally occurring in the bedrock. Based on this data, and the fact that this material is limited to virgin, deep bedrock, we are requesting NYSDEC's permission to use this material onsite as bedding in utility trenches, under the building/engineered site cover system.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Virgin Deep Bedrock from Onsite

Location where fill was obtained:

Onsite

Identification of any state or local approvals as a fill source:

N/A

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Virgin Deep Stone obtained during onsite geothermal drilling activities.

Provide a list of supporting documentation included with this request:

1. Analytical Data Summary Table
2. Photographs
3. Laboratory report (No. 460-273327-1)
4. Summary Email from R. Kovacs

The information provided on this form is accurate and complete.



Signature

2/14/23

Date

Print Name

Roux Environmental Engineering and Geology, D.P.C.

Firm

Notes Utilized Throughout Tables	
Soil Tables	
J -	Estimated value
U -	Indicates that the compound was analyzed for but not detected
mg/kg -	Milligrams per kilogram
mm/sec -	Millimeters per second
NYSDEC -	New York State Department of Environmental Conservation
SCO -	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 Protection of Groundwater SCO	

Table 1. Summary of Volatile Organic Compounds in Deep Bedrock Cuttings, 1 Java Street, Brooklyn, New York

			Sample Designation:	ROCKDUST
			Sample Date:	01/20/2023
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	
1,1,1-Trichloroethane (TCA)	0.68	0.68	MG/KG	0.002 U
1,1,2,2-Tetrachloroethane	--	--	MG/KG	0.002 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	MG/KG	0.002 U
1,1,2-Trichloroethane	--	--	MG/KG	0.002 U
1,1-Dichloroethane	0.27	0.27	MG/KG	0.002 U
1,1-Dichloroethene	0.33	0.33	MG/KG	0.002 U
1,2,3-Trichlorobenzene	--	--	MG/KG	0.002 U
1,2,4-Trichlorobenzene	--	--	MG/KG	0.002 U
1,2-Dibromo-3-Chloropropane	--	--	MG/KG	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	MG/KG	0.002 U
1,2-Dichlorobenzene	1.1	1.1	MG/KG	0.002 U
1,2-Dichloroethane	0.02	0.02	MG/KG	0.002 U
1,2-Dichloropropane	--	--	MG/KG	0.002 U
1,3-Dichlorobenzene	2.4	2.4	MG/KG	0.002 U
1,4-Dichlorobenzene	1.8	1.8	MG/KG	0.002 U
2-Hexanone	--	--	MG/KG	0.01 U
Acetone	0.05	0.05	MG/KG	0.018
Benzene	0.06	0.06	MG/KG	0.002 U
Bromochloromethane	--	--	MG/KG	0.002 U
Bromodichloromethane	--	--	MG/KG	0.002 U
Bromoform	--	--	MG/KG	0.002 U
Bromomethane	--	--	MG/KG	0.004 U
Carbon Disulfide	--	--	MG/KG	0.0031
Carbon Tetrachloride	0.76	0.76	MG/KG	0.002 U
Chlorobenzene	1.1	1.1	MG/KG	0.002 U
Chloroethane	--	--	MG/KG	0.002 U
Chloroform	0.37	0.37	MG/KG	0.0048
Chloromethane	--	--	MG/KG	0.002 U
Cis-1,2-Dichloroethylene	0.25	0.25	MG/KG	0.002 U
Cis-1,3-Dichloropropene	--	--	MG/KG	0.002 U
Cyclohexane	--	--	MG/KG	0.002 U
Dibromochloromethane	--	--	MG/KG	0.002 U
Dichlorodifluoromethane	--	--	MG/KG	0.002 U
Ethylbenzene	1	1	MG/KG	0.002 U

Table 1. Summary of Volatile Organic Compounds in Deep Bedrock Cuttings, 1 Java Street, Brooklyn, New York

			Sample Designation:	ROCKDUST
			Sample Date:	01/20/2023
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	
Isopropylbenzene (Cumene)	--	--	MG/KG	0.002 U
m,p-Xylene	--	--	MG/KG	0.002 U
Methyl Acetate	--	--	MG/KG	0.01 U
Methyl Ethyl Ketone (2-Butanone)	0.12	0.12	MG/KG	0.01 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	MG/KG	0.01 U
Methylcyclohexane	--	--	MG/KG	0.002 U
Methylene Chloride	0.05	0.05	MG/KG	0.004 U
O-Xylene (1,2-Dimethylbenzene)	--	--	MG/KG	0.002 U
Styrene	--	--	MG/KG	0.002 U
Tert-Butyl Methyl Ether	0.93	0.93	MG/KG	0.002 U
Tetrachloroethylene (PCE)	1.3	1.3	MG/KG	0.002 U
Toluene	0.7	0.7	MG/KG	0.002 U
Trans-1,2-Dichloroethene	0.19	0.19	MG/KG	0.002 U
Trans-1,3-Dichloropropene	--	--	MG/KG	0.002 U
Trichloroethylene (TCE)	0.47	0.47	MG/KG	0.002 U
Trichlorofluoromethane	--	--	MG/KG	0.002 U
Vinyl Chloride	0.02	0.02	MG/KG	0.002 U

Table 2. Summary of Semivolatile Organic Compounds in Deep Bedrock Cuttings, 1 Java Street, Brooklyn, New York

			Sample Designation:	ROCKDUST
			Sample Date:	01/20/2023
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	
1,2,4,5-Tetrachlorobenzene	--	--	MG/KG	0.42 U
1,4-Dioxane (P-Dioxane)	0.1	0.1	MG/KG	0.042 U
2,3,4,6-Tetrachlorophenol	--	--	MG/KG	0.42 U
2,4,5-Trichlorophenol	--	--	MG/KG	0.42 U
2,4,6-Trichlorophenol	--	--	MG/KG	0.17 U
2,4-Dichlorophenol	--	--	MG/KG	0.17 U
2,4-Dimethylphenol	--	--	MG/KG	0.42 U
2,4-Dinitrophenol	--	--	MG/KG	0.34 U
2,4-Dinitrotoluene	--	--	MG/KG	0.085 U
2,6-Dinitrotoluene	--	--	MG/KG	0.085 U
2-Chloronaphthalene	--	--	MG/KG	0.42 U
2-Chlorophenol	--	--	MG/KG	0.42 U
2-Methylnaphthalene	--	--	MG/KG	0.42 U
2-Methylphenol (O-Cresol)	0.33	0.33	MG/KG	0.42 U
2-Nitroaniline	--	--	MG/KG	0.42 U
2-Nitrophenol	--	--	MG/KG	0.42 U
3,3'-Dichlorobenzidine	--	--	MG/KG	0.17 U
3-Nitroaniline	--	--	MG/KG	0.42 U
4,6-Dinitro-2-Methylphenol	--	--	MG/KG	0.34 U
4-Bromophenyl Phenyl Ether	--	--	MG/KG	0.42 U
4-Chloro-3-Methylphenol	--	--	MG/KG	0.42 U
4-Chloroaniline	--	--	MG/KG	0.42 U
4-Chlorophenyl Phenyl Ether	--	--	MG/KG	0.42 U
4-Methylphenol (P-Cresol)	0.33	0.33	MG/KG	0.42 U
4-Nitroaniline	--	--	MG/KG	0.42 U
4-Nitrophenol	--	--	MG/KG	0.85 U
Acenaphthene	20	98	MG/KG	0.42 U
Acenaphthylene	100	107	MG/KG	0.42 U
Acetophenone	--	--	MG/KG	0.42 U
Anthracene	100	1000	MG/KG	0.42 U
Atrazine	--	--	MG/KG	0.17 U
Benzaldehyde	--	--	MG/KG	0.42 U
Benzo(A)Anthracene	1	1	MG/KG	0.042 U
Benzo(A)Pyrene	1	22	MG/KG	0.042 U

Table 2. Summary of Semivolatile Organic Compounds in Deep Bedrock Cuttings, 1 Java Street, Brooklyn, New York

				Sample Designation:	ROCKDUST
				Sample Date:	01/20/2023
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units		
Benzo(B)Fluoranthene	1	1.7	MG/KG	0.042 U	
Benzo(G,H,I)Perylene	100	1000	MG/KG	0.42 U	
Benzo(K)Fluoranthene	0.8	1.7	MG/KG	0.042 U	
Benzyl Butyl Phthalate	--	--	MG/KG	0.42 U	
Biphenyl (Diphenyl)	--	--	MG/KG	0.42 U	
Bis(2-Chloroethoxy) Methane	--	--	MG/KG	0.42 U	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	MG/KG	0.042 U	
Bis(2-Chloroisopropyl) Ether	--	--	MG/KG	0.42 U	
Bis(2-Ethylhexyl) Phthalate	--	--	MG/KG	0.42 U	
Caprolactam	--	--	MG/KG	0.42 U	
Carbazole	--	--	MG/KG	0.42 U	
Chrysene	1	1	MG/KG	0.42 U	
Dibenz(A,H)Anthracene	0.33	1000	MG/KG	0.042 U	
Dibenzofuran	7	210	MG/KG	0.42 U	
Diethyl Phthalate	--	--	MG/KG	0.42 U	
Dimethyl Phthalate	--	--	MG/KG	0.42 U	
Di-N-Butyl Phthalate	--	--	MG/KG	0.42 U	
Di-N-Octylphthalate	--	--	MG/KG	0.42 U	
Fluoranthene	100	1000	MG/KG	0.42 U	
Fluorene	30	386	MG/KG	0.42 U	
Hexachlorobenzene	0.33	3.2	MG/KG	0.042 U	
Hexachlorobutadiene	--	--	MG/KG	0.085 U	
Hexachlorocyclopentadiene	--	--	MG/KG	0.42 U	
Hexachloroethane	--	--	MG/KG	0.042 U	
Indeno(1,2,3-C,D)Pyrene	0.5	8.2	MG/KG	0.042 U	
Isophorone	--	--	MG/KG	0.17 U	
Naphthalene	12	12	MG/KG	0.42 U	
Nitrobenzene	--	--	MG/KG	0.042 U	
N-Nitrosodi-N-Propylamine	--	--	MG/KG	0.042 U	
N-Nitrosodiphenylamine	--	--	MG/KG	0.42 U	
Pentachlorophenol	0.8	0.8	MG/KG	0.34 U	
Phenanthrene	100	1000	MG/KG	0.42 U	
Phenol	0.33	0.33	MG/KG	0.42 U	
Pyrene	100	1000	MG/KG	0.42 U	

Table 3. Summary of Metals in Deep Bedrock Cuttings, 1 Java Street, Brooklyn, New York

			Sample Designation:	**ROCKDUST**
			Sample Date:	**01/20/2023**
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	
Aluminum	--	--	MG/KG	8570
Antimony	--	--	MG/KG	0.96 U
Arsenic	13	16	MG/KG	1.8
Barium	350	820	MG/KG	162
Beryllium	7.2	47	MG/KG	0.11 J
Cadmium	2.5	7.5	MG/KG	0.96 U
Calcium	--	--	MG/KG	5960
Chromium, Hexavalent	1	19	MG/KG	2.5 U
Chromium, Total	**30**	--	MG/KG	**36**
Cobalt	--	--	MG/KG	7.4
Copper	50	1720	MG/KG	29.4
Iron	--	--	MG/KG	21900
Lead	63	450	MG/KG	1.2
Magnesium	--	--	MG/KG	5840
Manganese	1600	2000	MG/KG	284
Mercury	0.18	0.73	MG/KG	0.02 U
Nickel	30	130	MG/KG	13.4
Potassium	--	--	MG/KG	5690
Selenium	3.9	4	MG/KG	0.12 J
Silver	2	8.3	MG/KG	0.16 J
Sodium	--	--	MG/KG	382
Thallium	--	--	MG/KG	0.23 J
Vanadium	--	--	MG/KG	33.7
Zinc	109	2480	MG/KG	43.2

Table 4. Summary of Polychlorinated Biphenyls in Deep Bedrock Cuttings, 1 Java Street, Brooklyn, New York

			Sample Designation:	ROCKDUST
			Sample Date:	01/20/2023
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	
PCB-1016 (Aroclor 1016)	--	--	MG/KG	0.085 U
PCB-1221 (Aroclor 1221)	--	--	MG/KG	0.085 U
PCB-1232 (Aroclor 1232)	--	--	MG/KG	0.085 U
PCB-1242 (Aroclor 1242)	--	--	MG/KG	0.085 U
PCB-1248 (Aroclor 1248)	--	--	MG/KG	0.085 U
PCB-1254 (Aroclor 1254)	--	--	MG/KG	0.085 U
PCB-1260 (Aroclor 1260)	--	--	MG/KG	0.085 U
PCB-1262 (Aroclor 1262)	--	--	MG/KG	0.085 U
PCB-1268 (Aroclor 1268)	--	--	MG/KG	0.085 U
Polychlorinated Biphenyl (PCBs)	0.1	3.2	MG/KG	0.085 U

Table 5. Summary of Pesticides and Herbicides in Deep Bedrock Cuttings, 1 Java Street, Brooklyn, New York

			Sample Designation:	ROCKDUST
			Sample Date:	01/20/2023
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	
Aldrin	0.005	0.19	MG/KG	0.0085 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.02	MG/KG	0.0025 U
Alpha Endosulfan	2.4	102	MG/KG	0.0085 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.09	MG/KG	0.0025 U
Beta Endosulfan	2.4	102	MG/KG	0.0085 U
Chlordane (Technical)	--	--	MG/KG	0.085 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	0.25	MG/KG	0.0025 U
Dieldrin	0.005	0.1	MG/KG	0.0025 U
Endosulfan Sulfate	2.4	1000	MG/KG	0.0085 U
Endrin	0.014	0.06	MG/KG	0.0085 U
Endrin Aldehyde	--	--	MG/KG	0.0085 U
Endrin Ketone	--	--	MG/KG	0.0085 U
Gamma Bhc (Lindane)	0.1	0.1	MG/KG	0.0025 U
Heptachlor	0.042	0.38	MG/KG	0.0085 U
Heptachlor Epoxide	--	--	MG/KG	0.0085 U
Methoxychlor	--	--	MG/KG	0.0085 U
P,P'-DDD	0.0033	14	MG/KG	0.0085 U
P,P'-DDE	0.0033	17	MG/KG	0.0085 U
P,P'-DDT	0.0033	136	MG/KG	0.0085 U
Toxaphene	--	--	MG/KG	0.085 U

Table 6. Summary of General Chemistry Parameters in Deep Bedrock Cuttings, 1 Java Street, Brooklyn, New York

			Sample Designation:	ROCKDUST
			Sample Date:	01/20/2023
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	
Burn Rate	--	--	MM/SEC	2.2 U
Corrosivity	--	--	PH UNITS	9.4
pH	--	--	PH UNITS	9.4
Reactive Cyanide	--	--	MG/KG	25 U
Sulfide Reactive	--	--	MG/KG	1280

Photographs of Stockpiled Deep Virgin Bedrock Cuttings, Greenpoint Ferry-Java Street BCP Site (C224272)



Photo 1. Deep Bedrock Cuttings



Photo 2. Closeup of Deep Bedrock Cuttings

August 3, 2022

Mr. Richard Mustico
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Re: Soil Reuse Plan
1 Java Street (aka 127-141 West Street and 14-28 India Street)
Greenpoint, Brooklyn, New York (Tax Block 2538, Tax Lot 1)
NYSDEC BCP Site ID No. C224272

Dear Mr. Mustico:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 1 Java Owner LLC (1 Java Owner), has prepared this soil reuse request for the 1 Java Street redevelopment project, located at 1 Java Street (aka 127-141 West Street and 14-28 India Street) in Greenpoint, Brooklyn, New York (Site). The Site is enrolled in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) and is also known as the Greenpoint Ferry Site (BCP Site No. 224272). A Remedial Action Work Plan (RAWP) was prepared for the Site dated February 2022. The RAWP was approved by NYSDEC in a letter dated February 18, 2022, and a Decision Document was issued dated February 2022. 1 Java Owner is preparing to begin implementation of the RAWP in the near future (later summer, early fall 2022). This proposed soil reuse plan is based on the following key criteria:

- Soil reuse will be in general accordance with the provisions in the Decision Document and DER-10.
- All reused soil will be placed at depth, below the impervious building slab (i.e., below the engineered site cover system). None of this soil will be reused within the engineered cover system, it will all be placed below engineered cover system.
- Soil would be reused entirely beneath the proposed building footprint.
- As expanded on below, this material is not a source of groundwater contamination when compared to the Protection of Groundwater Soil Cleanup Objectives (PGW SCOs), is not characteristically hazardous, shows no evidence of gross contamination, and is not considered source material.
- Roux personnel will be onsite to oversee all soil excavation activities. Roux will screen all material prior to reuse (visual inspection, screening for VOCs utilizing a PID). Should any material exhibit evidence of gross contamination, this material would not be reused, but rather it would be segregated, and disposed offsite in accordance with all requirements in the RAWP and Decision Document.

Proposed Soil Reuse Plan

Soil reuse proposed in this plan will occur following removal of the previously identified lead soil hot spot (as described in detail in the RAWP and shown in Figure 1). Material removed as part of this lead hot spot remediation will not be reused and will be transported off site for proper disposal. Following hot spot removal, soil at the Site will be excavated for remediation, foundation elements, and subgrade infrastructure installation.

209 Shafter Street ■ Islandia, New York 11749 ■ +1.631.232.2600 ■ www.rouxinc.com
California ■ Illinois ■ Massachusetts ■ New Jersey ■ New York ■ Texas ■ Virginia

Soil Previously Approved for Reuse

Per Section 5.4.6 of the RAWP, several zones (designated SC-7 through SC-10, SC-12, SC-15, and SC-16) were already approved by NYSDEC for reuse at the Site, below the engineered cover system. These previously approved areas are shown in yellow in Figure 1 (attached). In total, up to 2,295 cubic yards (CY) has been previously approved by NYSDEC for reuse, as summarized below:

Table 1. Soil Previously Approved by NYSDEC for Reuse

Reuse Cell	Volume of Soil Previously Approved by NYSDEC for Reuse (Cubic Yards)
SC-7	298
SC-8	304
SC-9	469
SC-10	328
SC-12	472
SC-15	206
SC-16	218

Additional Soil Proposed for Reuse

Roux has collected significant soil characterization data throughout the Site. Based on this analytical data and field observations during sample collection, Roux is proposing the foundation contractor be permitted to utilize soil from additional cells for reuse at the Site (to the extent practical during construction), for placement under impervious areas of the engineered cover system. Proposed reuse cells are shown in green in Figure 1, and summarized below:

Table 2. Additional Soil Proposed for Reuse

Proposed Reuse Cell[1]	Depth Horizon[2]	Maximum Reuse Volume of Each Cell (Cubic Yards)[3]
A3 through A21	0 to 7.5 feet below land surface	1,150
A23 and A24	0 to 7.5 feet below land surface	1,150
B3	7.5 to 15 feet below land surface	1,150
B5 through B24	7.5 to 15 feet below land surface	1,150
C2 through C12	15 to 20 feet below land surface	1,500

Notes:

1. Includes all soil cells below the proposed building footprint that meet the analytical requirements, and that do not exhibit visual signs of impact. Portions of some of these cells include soils that NYSDEC previously approved for reuse.
2. Soils were characterized to a depth of 20 feet bls, and are shown in this table for completeness, however, it is not anticipated that remedial excavation will extend to this depth (see RAWP for additional detail on the proposed remediation excavations).
3. This is the total volume of soil within each cell. During construction, soil will be reused to the maximum extent practical from these cells and will not include reuse and onsite placement of this entire soil volume. Details of actual reuse volumes will be provided to NYSDEC in the Final Engineering Report (FER).

Reused Material Placement

The soils that are reused from the cells described above, will be placed on Site below the impervious building foundation, and this material will not be placed beneath pervious portion of the engineered cover

system (i.e., landscaped areas). Further, reused soil will not be placed above the engineered cover system or be utilized in any way in the construction of the engineered cover system.

Excavated soil anticipated for reuse will be stockpiled and managed in accordance with the RAWP and Decision Document. A Roux field engineer will screen excavated soil for evidence of impacts and oversee and document all soil placement at the Site. If soil exhibits evidence of impacts, it will not be considered suitable for reuse, and will be transported off site for proper disposal in accordance with the RAWP and Decision Document.

Soil Characterization Results

As part of this reuse evaluation, Roux reviewed data generated in July 2018 as part of previous waste characterization activities conducted at the Site. This work included completion of 52 soil borings, and the collection of 60 composite soil samples submitted for laboratory analysis (with grab samples collected for volatile organic compound [VOCs] analysis). The results of this sampling were described in detail in a report dated August 10, 2018 (included in Appendix C of the RAWP), and included data summary tables, figures, soil boring logs, and analytical laboratory packages. Data summary tables from the August 10, 2018 report are included as Attachment 1 to this letter.

All soil samples were analyzed by Alpha Analytical, Inc., a New York State Department of Health Environmental Laboratory Approval Program-certified laboratory, located in Mahwah, New Jersey. Soil samples were analyzed for the following list of parameters:

Grab samples:

- Target Compound List (TCL) VOCs plus the 10 highest concentration Tentatively Identified Compound (TIC) List to be collected one per grid cell.

Composite samples to be collected one per grid cell:

- TCL Semivolatile Organic Compounds (SVOCs) plus the 20 highest concentration TIC List;
- Target Analyte List (TAL) Metals plus Hexavalent Chromium;
- Polychlorinated Biphenyls (PCBs);
- Total Pesticides;
- Resource Conservation and Recovery Act (RCRA) Characteristics including Reactivity, Ignitability, and Corrosivity;
- Toxicity Characteristic Leaching Procedure (TCLP) Metals RCRA 8;
- Synthetic Precipitation Leaching Procedure (SPLP) Metals and SPLP Mercury (Layer C only);
- Extractable Petroleum Hydrocarbon (EPH) to be collected one per grid cell; and
- Paint Filter Test.

The results of the soil samples are summarized in Tables 1 through 10 (attached).

Based on review of this data in cells that did not contain soil previously approved for reuse by NYSDEC, we are proposing that cells **A2 and A22 (in the 0 to 7.5 ft depth horizon), B4 (in the 7.5 to 15 ft depth horizon), and C1 (in the 15 to 20 ft depth horizon)** not be reused due to minor exceedances of the PGW SCOs (shown with pink shading in Figure 1). Soil from these cells, if excavated, will be properly disposed offsite. Soil in all the other cells (excluding the lead hot spot), should be approved for reuse, as described in the sections above.

Additionally, we reviewed the analytical data generated during the Remedial Investigation (RI) as part of this evaluation. Data generated as part of the RI is summarized in the RI Report, dated March 27, 2020, and approved by NYSDEC on April 22, 2020. As detailed in the RI Report, there were several SVOCs and metals that were detected in soil above the PGW SCOs. Although soil in a limited number of samples exceeded the PGW SCOs, based on the dissolved groundwater results, SVOCs and metals were determined to not be a source of groundwater contamination at the Site. Further, there were no VOCs detected in soil above the PGW SCOs (except for acetone, which was determined to be a laboratory artifact and was not detected in groundwater). Based on this assessment of the RI data, the soil represented by these samples is suitable for reuse below the impervious engineered cover system.

As part of this evaluation, Roux also reviewed soil data analyzed for emerging contaminants (ECs), including Per- and Polyfluoroalkyl Substances (PFAS) that was generated in February 2021 at part of the soil reuse evaluation. This data was included in the RAWP, and is attached to this letter as Table 11.

In conclusion, based on previous analytical results and assessment presented above, the soil described above in Table 2 is suitable for reuse to the extent practical during construction and for placement as backfill at the Site, beneath the impervious engineered cover system.

Please contact Robert Kovacs by telephone at (631) 630-2320, or by email at rkovacs@rouxinc.com if you have any questions or would like to discuss the soil reuse proposed herein.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Robert Kovacs, P.G., LSRP
Principal Scientist

Attachments

cc: William Bennett, NYSDEC
Brooke Nicholson, Lendlease
Bruce Anderson, Lendlease
Scott Stutman, P.E., Lendlease
Brian Morrissey, P.E., Roux
Jeff Wills, P.G., Roux
Emily Butler, Roux

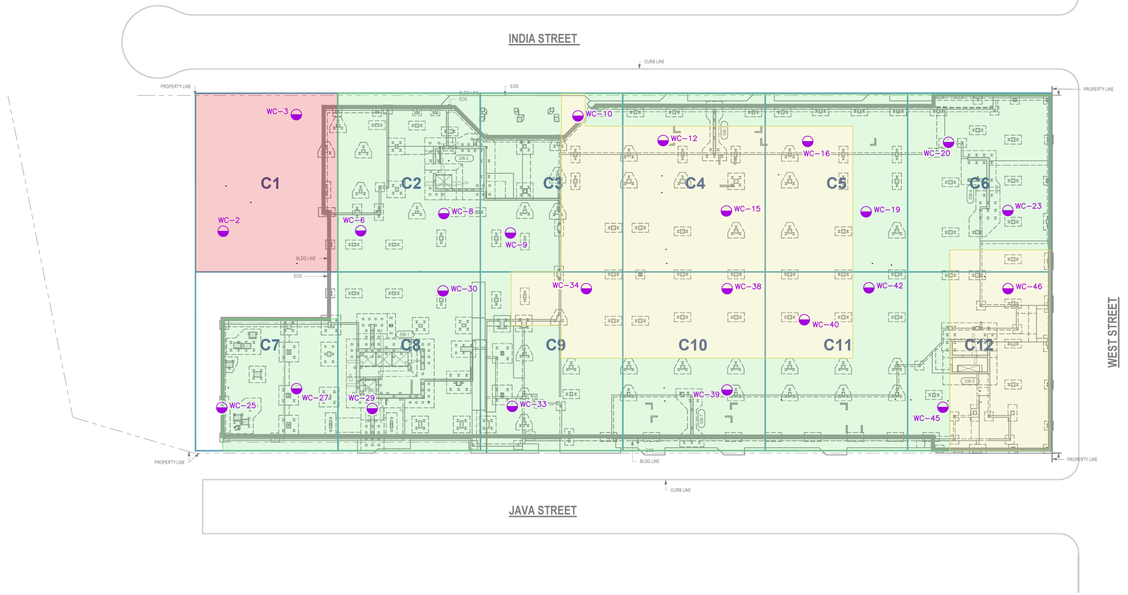


LAYER A (0 to 7.5 ft bls)

- 24 WC COMPOSITE SAMPLES
- EACH CELL APPROX. 1,150 CUBIC YARDS

LAYER B (7.5 to 15 ft bls)

- 24 WC COMPOSITE SAMPLES
- EACH CELL APPROX. 1,150 CUBIC YARDS



LAYER C (15 to 20 ft bls)

- 12 WC COMPOSITE SAMPLES
- EACH CELL APPROX. 1,500 CUBIC YARDS

LEGEND

	APPROXIMATE PROPOSED BUILDING BOUNDARY
	GRID LINE
A1	CELL DESIGNATION
WC-1	WASTE CHARACTERIZATION SOIL BORING LOCATION AND DESIGNATION
ft bls	FEET BELOW LAND SURFACE
WC	WASTE CHARACTERIZATION

KEY

- GRID CELL PREVIOUSLY APPROVED FOR REUSE BY NYSDEC (AS DETAILED IN THE RAWP)
- GRID CELL WITH PROTECTION OF GROUNDWATER SCO EXCEEDANCES (NOT PROPOSED FOR REUSE)
- ADDITIONAL GRID CELL PROPOSED FOR REUSE
- LIMITS OF PROPOSED HOT SPOT EXCAVATION (SOIL IS NOT PROPOSED FOR REUSE)

NOTE

SOIL APPROVED FOR REUSE WILL BE UTILIZED TO THE EXTENT PRACTICAL DURING CONSTRUCTION. REUSED SOIL WILL BE PLACED BELOW THE IMPERVIOUS BUILDING FOUNDATION AREAS OF THE ENGINEERED COVER SYSTEM (THIS MATERIAL WILL NOT BE PLACED BENEATH PERVIOUS PORTION OF THE ENGINEERED COVER SYSTEM). SHOULD ANY MATERIAL EXHIBIT EVIDENCE OF CONTAMINATION, IT WILL BE CONSIDERED UNSUITABLE FOR REUSE AND DISPOSED OFFSITE IN ACCORDANCE WITH ALL REQUIREMENTS IN THE RAWP AND DECISION DOCUMENT



40' 0 40'

Title:

PROPOSED SOIL REUSE PLAN

127–141 WEST STREET
GREENPOINT, BROOKLYN, NEW YORK

Prepared For:

1 JAVA OWNER LLC

ROUX

Compiled by: E.B.	Date: 20JUL22	PLATE
Prepared by: G.M.	Scale: AS SHOWN	1
Project Mgr: E.B.	Project: 2910.0001Y000	
File: 3583.0001Y129.02.DWG		

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Notes Utilized Throughout Tables	
Soil Tables	
J -	Estimated value
U -	Indicates that the compound was analyzed for but not detected
P -	The RPD between the results for the two columns exceeds the method-specified criteria
RPD -	Relative Percent Difference
ft bls -	Feet below land surface
NA -	Compound was not analyzed for by laboratory
µg/kg -	Micrograms per kilogram
mg/kg -	Milligrams per kilogram
SU -	Standard units
NYSDEC -	New York State Department of Environmental Conservation
SCO -	Soil Cleanup Objectives
--	No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO	
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO	
TCLP Tables	
mg/L -	Milligrams per liter
USEPA -	United States Environmental Protection Agency
TCLP -	Toxicity Characteristic Leaching Procedure
USEPA Regulatory Levels - United States Environmental Protection	
	Agency Limits for RCRA Characteristic Waste for Toxicity
RCRA -	Resource Conservation and Recovery Act
Bold -	Parameter was detected above USEPA Regulatory Levels
SPLP Tables	
mg/L -	Milligrams per liter
Bold -	Parameter was detected

Table 1. Summary of Soil Waste Characterization Sampling Program, Java Street Development, Greenpoint, Brooklyn, New York

Sample Depth Horizon or Location	Laboratory Soil Sample Designation/Grid Cell Location	Soil Sample Depth Interval (ft bls)	Sample Type	Sample Collected from Borings	Laboratory Analysis Performed
Layer "A" - 0 to 7.5 feet bls	A1	0-7.5	Composite	WC-1/WC-2	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A1	4.0	Grab	WC-1	TCL VOCs
	A2	0-7.5	Composite	WC-3/WC-4	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A2	4.5	Grab	WC-3	TCL VOCs
	A3	0-7.5	Composite	WC-5/WC-6	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A3	5.0	Grab	WC-5	TCL VOCs
	A4	0-7.5	Composite	WC-7/WC-8	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A4	6.0	Grab	WC-7	TCL VOCs
	A5	0-7.5	Composite	WC-9	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A5	4.0	Grab	WC-9	TCL VOCs
	A6	0-7.5	Composite	WC-10/WC-11	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A6	4.0	Grab	WC-10	TCL VOCs
	A7	0-7.5	Composite	WC-12/WC-13	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A7	4.0	Grab	WC-12	TCL VOCs
	A8	0-7.5	Composite	WC-14/WC-15	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A8	3.5	Grab	WC-14	TCL VOCs
	A9	0-7.5	Composite	WC-16/WC-17	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A9	5.0	Grab	WC-16	TCL VOCs
	A10	0-7.5	Composite	WC-18/WC-19	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A10	5.0	Grab	WC-18	TCL VOCs
	A11	0-7.5	Composite	WC-20/WC-21	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A11	4.0	Grab	WC-20	TCL VOCs
	A12	0-7.5	Composite	WC-22/WC-23	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A12	4.0	Grab	WC-22	TCL VOCs
	A13	0-7.5	Composite	WC-24/WC-25	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A13	6.0	Grab	WC-24	TCL VOCs
	A14	0-7.5	Composite	WC-26/WC-27	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A14	3.0	Grab	WC-26	TCL VOCs
	A15	0-7.5	Composite	WC-28/WC-29	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A15	2.0	Grab	WC-28	TCL VOCs
	A16	0-7.5	Composite	WC-30/WC-31	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A16	6.0	Grab	WC-30	TCL VOCs
	A17	0-7.5	Composite	WC32/33	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A17	2.0	Grab	WC32	TCL VOCs
	A18	0-7.5	Composite	WC34/35	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A18	6.0	Grab	WC34	TCL VOCs
	A19	0-7.5	Composite	WC36/37	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A19	3.0	Grab	WC36	TCL VOCs
	A20	0-7.5	Composite	WC38/39	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A20	6.0	Grab	WC39	TCL VOCs
	A21	0-7.5	Composite	WC40/41	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A21	4.0	Grab	WC41	TCL VOCs
	A22	0-7.5	Composite	WC42/43	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A22	4.0	Grab	WC42	TCL VOCs
	A22	6.5-7.5	Grab	WC43	TCL VOCs and EPH
	A23	0-7.5	Composite	WC44/45	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A23	7.0	Grab	WC45	TCL VOCs
	A24	0-7.5	Composite	WC46/47	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	A24	5.0	Grab	WC46	TCL VOCs

Table 1. Summary of Soil Waste Characterization Sampling Program, Java Street Development, Greenpoint, Brooklyn, New York

Sample Depth Horizon or Location	Laboratory Soil Sample Designation/Grid Cell Location	Soil Sample Depth Interval (ft bls)	Sample Type	Sample Collected from Borings	Laboratory Analysis Performed
Layer "B" - 7.5 to 15 feet bls	B1	7.5-15	Composite	WC-1/WC-2	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B1	12.0	Grab	WC-2	TCL VOCs
	B2	7.5-15	Composite	WC-3/WC-4	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B2	9.0	Grab	WC-4	TCL VOCs
	B3	7.5-15	Composite	WC-5/WC-6	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B3	12.0	Grab	WC-6	TCL VOCs
	B4	7.5-15	Composite	WC-7/WC-8	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B4	13.5	Grab	WC-8	TCL VOCs
	B5	7.5-15	Composite	WC-9	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B5	12.0	Grab	WC-9	TCL VOCs
	B6	7.5-15	Composite	WC-10/WC-11	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B6	10.0	Grab	WC-11	TCL VOCs
	B7	7.5-15	Composite	WC-12/WC-13	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B7	12.0	Grab	WC-13	TCL VOCs
	B8	7.5-15	Composite	WC-14/WC-15	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B8	12.0	Grab	WC-15	TCL VOCs
	B9	7.5-15	Composite	WC-16/WC-17	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B9	9.0	Grab	WC-17	TCL VOCs
	B10	7.5-15	Composite	WC-18/WC-19	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B10	11.0	Grab	WC-19	TCL VOCs
	B11	7.5-15	Composite	WC-20/WC-21	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B11	11.0	Grab	WC-21	TCL VOCs
	B12	7.5-15	Composite	WC-22/WC-23	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B12	12.0	Grab	WC-23	TCL VOCs
	B13	7.5-15	Composite	WC-24/WC-25	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B13	11.0	Grab	WC-25	TCL VOCs
	B14	7.5-15	Composite	WC-26/WC-27	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B14	11.0	Grab	WC-27	TCL VOCs
	B15	7.5-15	Composite	WC-28/WC-29	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B15	12.0	Grab	WC-29	TCL VOCs
	B16	7.5-15	Composite	WC-30/WC-31	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B16	9.0	Grab	WC-31	TCL VOCs
	B17	7.5-15	Composite	WC32/33	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B17	12.0	Grab	WC33	TCL VOCs
	B18	7.5-15	Composite	WC34/35	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B18	14.0	Grab	WC35	TCL VOCs
	B19	7.5-15	Composite	WC36/37	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B19	10.0	Grab	WC36	TCL VOCs
	B20	7.5-15	Composite	WC38/39	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B20	11.0	Grab	WC39	TCL VOCs
	B21	7.5-15	Composite	WC40/41	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B21	11.0	Grab	WC41	TCL VOCs
	B22	7.5-15	Composite	WC42/43	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B22	10.0	Grab	WC43	TCL VOCs
	B23	7.5-15	Composite	WC44/45	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B23	10.0	Grab	WC45	TCL VOCs
	B24	7.5-15	Composite	WC46/47	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	B24	11.0	Grab	WC47	TCL VOCs

Table 1. Summary of Soil Waste Characterization Sampling Program, Java Street Development, Greenpoint, Brooklyn, New York

Sample Depth Horizon or Location	Laboratory Soil Sample Designation/Grid Cell Location	Soil Sample Depth Interval (ft bls)	Sample Type	Sample Collected from Borings	Laboratory Analysis Performed
Layer "C" - 15 to 20 feet bls	C1	15-20	Composite	WC-2/WC-3	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics, SPLP Metals
	C1	17.0	Grab	WC-2	TCL VOCs
	C2	15-20	Composite	WC-6/WC-8	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics, SPLP Metals
	C2	18.0	Grab	WC-6	TCL VOCs
	C3	15-20	Composite	WC-9/WC-10	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics, SPLP Metals
	C3	16.0	Grab	WC-10	TCL VOCs
	C4	15-20	Composite	WC-12/WC-15	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics, SPLP Metals
	C4	17.0	Grab	WC-15	TCL VOCs
	C5	15-20	Composite	WC-16/WC-19	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics, SPLP Metals
	C5	15.0	Grab	WC-16	TCL VOCs
	C6	15-20	Composite	WC-20/WC-23	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics, SPLP Metals
	C6	17.0	Grab	WC-23	TCL VOCs
	C7	15-20	Composite	WC-25/WC-27	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics, SPLP Metals
	C7	16.5	Grab	WC-25	TCL VOCs
	C8	15-20	Composite	WC-29/WC-30	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics, SPLP Metals
	C8	17.0	Grab	WC-29	TCL VOCs
	C9	15-20	Composite	WC33/34	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics, SPLP Metals
	C9	16.0	Grab	WC-34	TCL VOCs
	C10	15-20	Composite	WC38/39	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics, SPLP Metals
	C10	16.0	Grab	WC-39	TCL VOCs
	C11	15-20	Composite	WC40/42	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics, SPLP Metals
	C11	16.0	Grab	WC-42	TCL VOCs
	C12	15-20	Composite	WC45/46	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics, SPLP Metals
	C12	17.0	Grab	WC-45	TCL VOCs
Exterior Water Front	WFWC1	4.0	Grab	WFWC1	TCL VOCs
	WFWC1	0-5	Composite	WFWC1	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	WFWC2	4.0	Grab	WFWC2	TCL VOCs
	WFWC2	0-5	Composite	WFWC2	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	WFWC3	4.0	Grab	WFWC3	TCL VOCs
	WFWC3	0-5	Composite	WFWC3	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	WFWC4	4.0	Grab	WFWC4	TCL VOCs
	WFWC4	0-10	Composite	WFWC4	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics
	WFWC5	6.0	Grab	WFWC5	TCL VOCs
	WFWC5	0-11	Composite	WFWC5	TCL SVOCs, Pesticides, PCBs, TAL Metals, TCLP Metals, Hexavalent Chromium, Cyanide, EPH, RCRA Characteristics

Notes:

TCL - Target Compound List
TAL - Target Analyte List
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyls
TCLP - Toxicity Characteristic Leaching Procedure
RCRA - Resource Conservation and Recovery Act
SPLP - Synthetic Precipitation Leaching Procedure
EPH - Total Petroleum Hydrocarbon
ft bls - Feet Below Land Surface

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A1	A10	A11	A12	A13
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018
			Sample Depth (ft bls):	4 - 4	5 - 5	4 - 4	4 - 4	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.65 U	0.59 U	0.48 U	0.56 U	0.58 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.65 U	0.59 U	0.48 U	0.56 U	0.58 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.65 U	0.59 U	0.48 U	0.56 U	0.58 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	5.2 U	4.7 U	3.8 U	4.5 U	4.6 U
1,1,2-Trichloroethane	--	--	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
1,1-Dichloroethane	26000	270	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
1,1-Dichloroethene	100000	330	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
1,1-Dichloropropene	--	--	UG/KG	0.65 U	0.59 U	0.48 U	0.56 U	0.58 U
1,2,3-Trichlorobenzene	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
1,2,3-Trichloropropane	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
1,2,4-Trichlorobenzene	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	3.9 U	3.5 U	2.8 U	3.4 U	3.5 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
1,2-Dichlorobenzene	100000	1100	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
1,2-Dichloroethane	3100	20	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
1,2-Dichloropropane	--	--	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
1,3-Dichlorobenzene	49000	2400	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
1,3-Dichloropropane	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
1,4-Dichlorobenzene	13000	1800	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
1,4-Diethyl Benzene	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	130 U	120 U	95 U	110 U	120 U
2,2-Dichloropropane	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
2-Chlorotoluene	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
2-Hexanone	--	--	UG/KG	13 U	12 U	9.5 U	11 U	12 U
4-Chlorotoluene	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
4-Ethyltoluene	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
Acetone	100000	50	UG/KG	14	7.4 J	9.5 U	19	23
Acrolein	--	--	UG/KG	32 U	29 U	24 U	28 U	29 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A1	A10	A11	A12	A13
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018
			Sample Depth (ft bls):	4 - 4	5 - 5	4 - 4	4 - 4	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Acrylonitrile	--	--	UG/KG	5.2 U	4.7 U	3.8 U	4.5 U	4.6 U
Benzene	4800	60	UG/KG	0.65 U	0.59 U	0.48 U	0.56 U	0.58 U
Bromobenzene	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
Bromochloromethane	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
Bromodichloromethane	--	--	UG/KG	0.65 U	0.59 U	0.48 U	0.56 U	0.58 U
Bromoform	--	--	UG/KG	5.2 U	4.7 U	3.8 U	4.5 U	4.6 U
Bromomethane	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
Carbon Disulfide	--	--	UG/KG	13 U	12 U	9.5 U	11 U	12 U
Carbon Tetrachloride	2400	760	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
Chlorobenzene	100000	1100	UG/KG	0.65 U	0.59 U	0.48 U	0.56 U	0.58 U
Chloroethane	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
Chloroform	49000	370	UG/KG	1.9 U	1.8 U	1.4 U	1.7 U	1.7 U
Chloromethane	--	--	UG/KG	5.2 U	4.7 U	3.8 U	4.5 U	4.6 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.65 U	0.59 U	0.48 U	0.56 U	0.58 U
Cyclohexane	--	--	UG/KG	13 U	12 U	9.5 U	11 U	12 U
Cymene	--	--	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
Dibromochloromethane	--	--	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
Dibromomethane	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
Dichlorodifluoromethane	--	--	UG/KG	13 U	12 U	9.5 U	11 U	12 U
Dichloroethylenes	--	--	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
Ethylbenzene	41000	1000	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
Hexachlorobutadiene	--	--	UG/KG	5.2 U	4.7 U	3.8 U	4.5 U	4.6 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
m,p-Xylene	--	--	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
Methyl Acetate	--	--	UG/KG	5.2 U	4.7 U	3.8 U	4.5 U	4.6 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	13 U	12 U	9.5 U	11 U	12 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	13 U	12 U	9.5 U	11 U	12 U
Methylcyclohexane	--	--	UG/KG	5.2 U	4.7 U	3.8 U	4.5 U	4.6 U
Methylene Chloride	100000	50	UG/KG	6.5 U	5.9 U	4.8 U	4.3 J	5.8 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A1	A10	A11	A12	A13
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018
			Sample Depth (ft bls):	4 - 4	5 - 5	4 - 4	4 - 4	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Naphthalene	100000	12000	UG/KG	5.2 U	4.7 U	3.8 U	4.5 U	4.6 U
N-Butylbenzene	100000	12000	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
N-Propylbenzene	100000	3900	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
Sec-Butylbenzene	100000	11000	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
Styrene	--	--	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
T-Butylbenzene	100000	5900	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
Tert-Butyl Alcohol	--	--	UG/KG	26 U	23 U	19 U	22 U	23 U
Tert-Butyl Methyl Ether	100000	930	UG/KG	2.6 U	2.3 U	1.9 U	2.2 U	2.3 U
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.65 U	0.59 U	0.48 U	0.56 U	0.58 U
Toluene	100000	700	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.65 U	0.59 U	0.48 U	0.56 U	0.58 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.9 U	1.8 U	1.4 U	1.7 U	1.7 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	6.5 U	5.9 U	4.8 U	5.6 U	5.8 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.65 U	0.59 U	0.48 U	0.56 U	0.58 U
Trichlorofluoromethane	--	--	UG/KG	5.2 U	4.7 U	3.8 U	4.5 U	4.6 U
Vinyl Acetate	--	--	UG/KG	13 U	12 U	9.5 U	11 U	12 U
Vinyl Chloride	900	20	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U
Xylenes	100000	1600	UG/KG	1.3 U	1.2 U	0.95 U	1.1 U	1.2 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A14	A15	A16	A17	A18
			Sample Date:	07/17/2018	07/16/2018	07/16/2018	07/16/2018	07/12/2018
			Sample Depth (ft bls):	3 - 3	2 - 2	6 - 6	2 - 2	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.58 U	0.53 U	0.52 U	0.51 U	0.57 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.58 U	0.53 U	0.52 U	0.51 U	0.57 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.58 U	0.53 U	0.52 U	0.51 U	0.57 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	4.6 U	4.2 U	4.2 U	4.1 U	4.6 U
1,1,2-Trichloroethane	--	--	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
1,1-Dichloroethane	26000	270	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
1,1-Dichloroethene	100000	330	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
1,1-Dichloropropene	--	--	UG/KG	0.58 U	0.53 U	0.52 U	0.51 U	0.57 U
1,2,3-Trichlorobenzene	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
1,2,3-Trichloropropane	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
1,2,4-Trichlorobenzene	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	3.4 U	3.2 U	3.1 U	3.1 U	3.4 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
1,2-Dichlorobenzene	100000	1100	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
1,2-Dichloroethane	3100	20	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
1,2-Dichloropropane	--	--	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
1,3-Dichlorobenzene	49000	2400	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
1,3-Dichloropropane	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
1,4-Dichlorobenzene	13000	1800	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
1,4-Diethyl Benzene	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	120 U	100 U	100 U	100 U	110 U
2,2-Dichloropropane	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
2-Chlorotoluene	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
2-Hexanone	--	--	UG/KG	12 U	10 U	10 U	10 U	11 U
4-Chlorotoluene	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
4-Ethyltoluene	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
Acetone	100000	50	UG/KG	14	10 U	10 U	10 U	11 U
Acrolein	--	--	UG/KG	29 U	26 U	26 U	26 U	29 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A14	A15	A16	A17	A18
			Sample Date:	07/17/2018	07/16/2018	07/16/2018	07/16/2018	07/12/2018
			Sample Depth (ft bls):	3 - 3	2 - 2	6 - 6	2 - 2	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Acrylonitrile	--	--	UG/KG	4.6 U	4.2 U	4.2 U	4.1 U	4.6 U
Benzene	4800	60	UG/KG	0.58 U	0.53 U	0.52 U	0.51 U	0.57 U
Bromobenzene	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
Bromochloromethane	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
Bromodichloromethane	--	--	UG/KG	0.58 U	0.53 U	0.52 U	0.51 U	0.57 U
Bromoform	--	--	UG/KG	4.6 U	4.2 U	4.2 U	4.1 U	4.6 U
Bromomethane	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
Carbon Disulfide	--	--	UG/KG	12 U	10 U	10 U	10 U	11 U
Carbon Tetrachloride	2400	760	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
Chlorobenzene	100000	1100	UG/KG	0.58 U	0.53 U	0.52 U	0.51 U	0.57 U
Chloroethane	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
Chloroform	49000	370	UG/KG	1.7 U	1.6 U	1.6 U	1.5 U	1.7 U
Chloromethane	--	--	UG/KG	4.6 U	4.2 U	4.2 U	4.1 U	4.6 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.58 U	0.53 U	0.52 U	0.51 U	0.57 U
Cyclohexane	--	--	UG/KG	12 U	10 U	10 U	10 U	11 U
Cymene	--	--	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
Dibromochloromethane	--	--	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
Dibromomethane	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
Dichlorodifluoromethane	--	--	UG/KG	12 U	10 U	10 U	10 U	11 U
Dichloroethylenes	--	--	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
Ethylbenzene	41000	1000	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
Hexachlorobutadiene	--	--	UG/KG	4.6 U	4.2 U	4.2 U	4.1 U	4.6 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
m,p-Xylene	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
Methyl Acetate	--	--	UG/KG	4.6 U	4.2 U	4.2 U	4.1 U	4.6 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	12 U	10 U	10 U	10 U	11 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	12 U	10 U	10 U	10 U	11 U
Methylcyclohexane	--	--	UG/KG	4.6 U	4.2 U	4.2 U	4.1 U	4.6 U
Methylene Chloride	100000	50	UG/KG	5.8 U	5.3 U	5.2 U	5.1 U	5.7 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A14	A15	A16	A17	A18
			Sample Date:	07/17/2018	07/16/2018	07/16/2018	07/16/2018	07/12/2018
			Sample Depth (ft bls):	3 - 3	2 - 2	6 - 6	2 - 2	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Naphthalene	100000	12000	UG/KG	0.99 J	4.2 U	4.2 U	4.1 U	4.6 U
N-Butylbenzene	100000	12000	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
N-Propylbenzene	100000	3900	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
Sec-Butylbenzene	100000	11000	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
Styrene	--	--	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
T-Butylbenzene	100000	5900	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
Tert-Butyl Alcohol	--	--	UG/KG	23 U	21 U	21 U	20 U	23 U
Tert-Butyl Methyl Ether	100000	930	UG/KG	2.3 U	2.1 U	2.1 U	2 U	2.3 U
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.58 U	0.53 U	0.52 U	0.51 U	0.57 U
Toluene	100000	700	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.58 U	0.53 U	0.52 U	0.51 U	0.57 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.7 U	1.6 U	1.6 U	1.5 U	1.7 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5.8 U	5.3 U	5.2 U	5.1 U	5.7 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.58 U	0.53 U	0.52 U	0.51 U	0.57 U
Trichlorofluoromethane	--	--	UG/KG	4.6 U	4.2 U	4.2 U	4.1 U	4.6 U
Vinyl Acetate	--	--	UG/KG	12 U	10 U	10 U	10 U	11 U
Vinyl Chloride	900	20	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U
Xylenes	100000	1600	UG/KG	1.2 U	1 U	1 U	1 U	1.1 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A19	A2	A20	A21	A22
			Sample Date:	07/12/2018	07/17/2018	07/11/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	3 - 3	4.5 - 4.5	6 - 6	4 - 4	4 - 4
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.53 U	0.58 U	0.81 U	0.53 U	0.6 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.53 U	0.58 U	0.81 U	0.53 U	0.6 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.53 U	0.58 U	0.81 U	0.53 U	0.6 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	4.2 U	4.6 U	6.4 U	4.3 U	4.8 U
1,1,2-Trichloroethane	--	--	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
1,1-Dichloroethane	26000	270	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
1,1-Dichloroethene	100000	330	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
1,1-Dichloropropene	--	--	UG/KG	0.53 U	0.58 U	0.81 U	0.53 U	0.6 U
1,2,3-Trichlorobenzene	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
1,2,3-Trichloropropane	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
1,2,4-Trichlorobenzene	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	3.2 U	3.5 U	4.8 U	3.2 U	3.6 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
1,2-Dichlorobenzene	100000	1100	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
1,2-Dichloroethane	3100	20	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
1,2-Dichloropropane	--	--	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
1,3-Dichlorobenzene	49000	2400	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
1,3-Dichloropropane	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
1,4-Dichlorobenzene	13000	1800	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
1,4-Diethyl Benzene	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	100 U	120 U	160 U	110 U	120 U
2,2-Dichloropropane	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
2-Chlorotoluene	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
2-Hexanone	--	--	UG/KG	10 U	12 U	16 U	11 U	12 U
4-Chlorotoluene	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
4-Ethyltoluene	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
Acetone	100000	50	UG/KG	8.6 J	19	16	11 U	16
Acrolein	--	--	UG/KG	26 U	29 U	40 U	27 U	30 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A19	A2	A20	A21	A22
			Sample Date:	07/12/2018	07/17/2018	07/11/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	3 - 3	4.5 - 4.5	6 - 6	4 - 4	4 - 4
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Acrylonitrile	--	--	UG/KG	4.2 U	4.6 U	6.4 U	4.3 U	4.8 U
Benzene	4800	60	UG/KG	0.53 U	0.58 U	0.81 U	0.53 U	0.6 U
Bromobenzene	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
Bromochloromethane	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
Bromodichloromethane	--	--	UG/KG	0.53 U	0.58 U	0.81 U	0.53 U	0.6 U
Bromoform	--	--	UG/KG	4.2 U	4.6 U	6.4 U	4.3 U	4.8 U
Bromomethane	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
Carbon Disulfide	--	--	UG/KG	10 U	12 U	16 U	11 U	12 U
Carbon Tetrachloride	2400	760	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
Chlorobenzene	100000	1100	UG/KG	0.53 U	0.58 U	0.81 U	0.53 U	0.6 U
Chloroethane	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
Chloroform	49000	370	UG/KG	1.6 U	1.7 U	0.3 J	1.6 U	1.8 U
Chloromethane	--	--	UG/KG	4.2 U	4.6 U	6.4 U	4.3 U	4.8 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.53 U	0.58 U	0.81 U	0.53 U	0.6 U
Cyclohexane	--	--	UG/KG	10 U	12 U	16 U	11 U	12 U
Cymene	--	--	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
Dibromochloromethane	--	--	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
Dibromomethane	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
Dichlorodifluoromethane	--	--	UG/KG	10 U	12 U	16 U	11 U	12 U
Dichloroethylenes	--	--	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
Ethylbenzene	41000	1000	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
Hexachlorobutadiene	--	--	UG/KG	4.2 U	4.6 U	6.4 U	4.3 U	4.8 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
m,p-Xylene	--	--	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
Methyl Acetate	--	--	UG/KG	4.2 U	4.6 U	6.4 U	4.3 U	4.8 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	10 U	12 U	16 U	11 U	12 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	10 U	12 U	16 U	11 U	12 U
Methylcyclohexane	--	--	UG/KG	4.2 U	4.6 U	6.4 U	4.3 U	4.8 U
Methylene Chloride	100000	50	UG/KG	5.3 U	4.4 J	8.1 U	5.3 U	6 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A19	A2	A20	A21	A22
			Sample Date:	07/12/2018	07/17/2018	07/11/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	3 - 3	4.5 - 4.5	6 - 6	4 - 4	4 - 4
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Naphthalene	100000	12000	UG/KG	4.2 U	4.6 U	6.4 U	4.3 U	4.8 U
N-Butylbenzene	100000	12000	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
N-Propylbenzene	100000	3900	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
Sec-Butylbenzene	100000	11000	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
Styrene	--	--	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
T-Butylbenzene	100000	5900	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
Tert-Butyl Alcohol	--	--	UG/KG	21 U	23 U	32 U	21 U	24 U
Tert-Butyl Methyl Ether	100000	930	UG/KG	2.1 U	2.3 U	3.2 U	2.1 U	2.4 U
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.53 U	0.58 U	0.45 J	0.53 U	0.6 U
Toluene	100000	700	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.53 U	0.58 U	0.81 U	0.53 U	0.6 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.6 U	1.7 U	2.4 U	1.6 U	1.8 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5.3 U	5.8 U	8.1 U	5.3 U	6 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.53 U	0.58 U	0.81 U	0.53 U	0.6 U
Trichlorofluoromethane	--	--	UG/KG	4.2 U	4.6 U	6.4 U	4.3 U	4.8 U
Vinyl Acetate	--	--	UG/KG	10 U	12 U	16 U	11 U	12 U
Vinyl Chloride	900	20	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U
Xylenes	100000	1600	UG/KG	1 U	1.2 U	1.6 U	1.1 U	1.2 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A22	A23	A24	A3	A4
			Sample Date:	07/10/2018	07/10/2018	07/10/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	6.5 - 7.5	7 - 7	5 - 5	5 - 5	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.56 U	0.55 U	0.44 U	0.56 U	0.57 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.56 U	0.55 U	0.44 U	0.56 U	0.57 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.56 U	0.55 U	0.44 U	0.56 U	0.57 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	4.5 U	4.4 U	3.5 U	4.5 U	4.6 U
1,1,2-Trichloroethane	--	--	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
1,1-Dichloroethane	26000	270	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
1,1-Dichloroethene	100000	330	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
1,1-Dichloropropene	--	--	UG/KG	0.56 U	0.55 U	0.44 U	0.56 U	0.57 U
1,2,3-Trichlorobenzene	--	--	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
1,2,3-Trichloropropane	--	--	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	45 J	2.2 U	1.7 U	2.2 U	2.3 U
1,2,4-Trichlorobenzene	--	--	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	150 J	2.2 U	1.7 U	2.2 U	2.3 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	3.4 U	3.3 U	2.6 U	3.4 U	3.4 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
1,2-Dichlorobenzene	100000	1100	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
1,2-Dichloroethane	3100	20	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
1,2-Dichloropropane	--	--	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	57 J	2.2 U	1.7 U	2.2 U	2.3 U
1,3-Dichlorobenzene	49000	2400	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
1,3-Dichloropropane	--	--	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
1,4-Dichlorobenzene	13000	1800	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
1,4-Diethyl Benzene	--	--	UG/KG	100 J	2.2 U	1.7 U	2.2 U	2.3 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	110 U	110 U	87 U	110 U	110 U
2,2-Dichloropropane	--	--	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
2-Chlorotoluene	--	--	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
2-Hexanone	--	--	UG/KG	11 U	11 U	8.7 U	11 U	11 U
4-Chlorotoluene	--	--	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
4-Ethyltoluene	--	--	UG/KG	110 J	2.2 U	1.7 U	2.2 U	2.3 U
Acetone	100000	50	UG/KG	82	14	7.4 J	62	11 U
Acrolein	--	--	UG/KG	28 U	28 U	22 U	28 U	29 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A22	A23	A24	A3	A4
			Sample Date:	07/10/2018	07/10/2018	07/10/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	6.5 - 7.5	7 - 7	5 - 5	5 - 5	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Acrylonitrile	--	--	UG/KG	4.5 U	4.4 U	3.5 U	4.5 U	4.6 U
Benzene	4800	60	UG/KG	1.1	0.55 U	0.44 U	0.56 U	0.57 U
Bromobenzene	--	--	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
Bromochloromethane	--	--	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
Bromodichloromethane	--	--	UG/KG	0.56 U	0.55 U	0.44 U	0.56 U	0.57 U
Bromoform	--	--	UG/KG	4.5 U	4.4 U	3.5 U	4.5 U	4.6 U
Bromomethane	--	--	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
Carbon Disulfide	--	--	UG/KG	11 U	11 U	8.7 U	11 U	11 U
Carbon Tetrachloride	2400	760	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
Chlorobenzene	100000	1100	UG/KG	0.56 U	0.55 U	0.44 U	0.56 U	0.57 U
Chloroethane	--	--	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
Chloroform	49000	370	UG/KG	1.7 U	1.6 U	1.3 U	1.7 U	1.7 U
Chloromethane	--	--	UG/KG	4.5 U	4.4 U	3.5 U	4.5 U	4.6 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.56 U	0.55 U	0.44 U	0.56 U	0.57 U
Cyclohexane	--	--	UG/KG	11 U	11 U	8.7 U	11 U	11 U
Cymene	--	--	UG/KG	37 J	1.1 U	0.87 U	1.1 U	1.1 U
Dibromochloromethane	--	--	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
Dibromomethane	--	--	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
Dichlorodifluoromethane	--	--	UG/KG	11 U	11 U	8.7 U	11 U	11 U
Dichloroethylenes	--	--	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
Ethylbenzene	41000	1000	UG/KG	53 J	1.1 U	0.87 U	1.1 U	1.1 U
Hexachlorobutadiene	--	--	UG/KG	4.5 U	4.4 U	3.5 U	4.5 U	4.6 U
Isopropylbenzene (Cumene)	--	--	UG/KG	18 J	1.1 U	0.87 U	1.1 U	1.1 U
m,p-Xylene	--	--	UG/KG	88 J	2.2 U	1.7 U	2.2 U	2.3 U
Methyl Acetate	--	--	UG/KG	210 J	4.4 U	3.5 U	4.5 U	4.6 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	3.1 J	11 U	8.7 U	11 U	11 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	11 U	11 U	8.7 U	11 U	11 U
Methylcyclohexane	--	--	UG/KG	4.5 U	4.4 U	3.5 U	4.5 U	4.6 U
Methylene Chloride	100000	50	UG/KG	5.6 U	5.5 U	4.4 U	2.6 J	5.7 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A22	A23	A24	A3	A4
			Sample Date:	07/10/2018	07/10/2018	07/10/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	6.5 - 7.5	7 - 7	5 - 5	5 - 5	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Naphthalene	100000	12000	UG/KG	21000	4.4 U	3.5 U	4.5 U	4.6 U
N-Butylbenzene	100000	12000	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
N-Propylbenzene	100000	3900	UG/KG	0.21 J	1.1 U	0.87 U	1.1 U	1.1 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	59 J	1.1 U	0.87 U	1.1 U	1.1 U
Sec-Butylbenzene	100000	11000	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
Styrene	--	--	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
T-Butylbenzene	100000	5900	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
Tert-Butyl Alcohol	--	--	UG/KG	660 J	22 U	17 U	22 U	23 U
Tert-Butyl Methyl Ether	100000	930	UG/KG	2.2 U	2.2 U	1.7 U	2.2 U	2.3 U
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.56 U	0.3 J	0.44 U	0.56 U	0.57 U
Toluene	100000	700	UG/KG	2.1	1.1 U	0.87 U	0.82 J	1.1 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.56 U	0.55 U	0.44 U	0.56 U	0.57 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.7 U	1.6 U	1.3 U	1.7 U	1.7 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5.6 U	5.5 U	4.4 U	5.6 U	5.7 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.56 U	0.55 U	0.44 U	0.56 U	0.57 U
Trichlorofluoromethane	--	--	UG/KG	4.5 U	4.4 U	3.5 U	4.5 U	4.6 U
Vinyl Acetate	--	--	UG/KG	11 U	11 U	8.7 U	11 U	11 U
Vinyl Chloride	900	20	UG/KG	1.1 U	1.1 U	0.87 U	1.1 U	1.1 U
Xylenes	100000	1600	UG/KG	150 J	1.1 U	0.87 U	1.1 U	1.1 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A5	A6	A7	A8	A9
			Sample Date:	07/13/2018	07/12/2018	07/12/2018	07/12/2018	07/11/2018
			Sample Depth (ft bls):	4 - 4	4 - 4	4 - 4	3.5 - 3.5	5 - 5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.54 U	0.56 U	0.59 U	0.6 U	0.64 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.54 U	0.56 U	0.59 U	0.6 U	0.64 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.54 U	0.56 U	0.59 U	0.6 U	0.64 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	4.3 U	4.5 U	4.7 U	4.8 U	5.1 U
1,1,2-Trichloroethane	--	--	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
1,1-Dichloroethane	26000	270	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
1,1-Dichloroethene	100000	330	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
1,1-Dichloropropene	--	--	UG/KG	0.54 U	0.56 U	0.59 U	0.6 U	0.64 U
1,2,3-Trichlorobenzene	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
1,2,3-Trichloropropane	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
1,2,4-Trichlorobenzene	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	3.2 U	3.4 U	3.6 U	3.6 U	3.8 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
1,2-Dichlorobenzene	100000	1100	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
1,2-Dichloroethane	3100	20	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
1,2-Dichloropropane	--	--	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
1,3-Dichlorobenzene	49000	2400	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
1,3-Dichloropropane	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
1,4-Dichlorobenzene	13000	1800	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
1,4-Diethyl Benzene	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	110 U	110 U	120 U	120 U	130 U
2,2-Dichloropropane	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
2-Chlorotoluene	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
2-Hexanone	--	--	UG/KG	11 U	11 U	12 U	12 U	13 U
4-Chlorotoluene	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
4-Ethyltoluene	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
Acetone	100000	50	UG/KG	7 J	11 U	12 U	14	8 J
Acrolein	--	--	UG/KG	27 U	28 U	30 U	30 U	32 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A5	A6	A7	A8	A9
			Sample Date:	07/13/2018	07/12/2018	07/12/2018	07/12/2018	07/11/2018
			Sample Depth (ft bls):	4 - 4	4 - 4	4 - 4	3.5 - 3.5	5 - 5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Acrylonitrile	--	--	UG/KG	4.3 U	4.5 U	4.7 U	4.8 U	5.1 U
Benzene	4800	60	UG/KG	0.54 U	0.56 U	0.59 U	0.6 U	0.64 U
Bromobenzene	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
Bromochloromethane	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
Bromodichloromethane	--	--	UG/KG	0.54 U	0.56 U	0.59 U	0.6 U	0.64 U
Bromoform	--	--	UG/KG	4.3 U	4.5 U	4.7 U	4.8 U	5.1 U
Bromomethane	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
Carbon Disulfide	--	--	UG/KG	11 U	11 U	12 U	12 U	13 U
Carbon Tetrachloride	2400	760	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
Chlorobenzene	100000	1100	UG/KG	0.54 U	0.56 U	0.59 U	0.6 U	0.64 U
Chloroethane	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
Chloroform	49000	370	UG/KG	1.6 U	1.7 U	1.8 U	1.1 J	1.9 U
Chloromethane	--	--	UG/KG	4.3 U	4.5 U	4.7 U	4.8 U	5.1 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.54 U	0.56 U	0.59 U	0.6 U	0.64 U
Cyclohexane	--	--	UG/KG	11 U	11 U	12 U	12 U	13 U
Cymene	--	--	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
Dibromochloromethane	--	--	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
Dibromomethane	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
Dichlorodifluoromethane	--	--	UG/KG	11 U	11 U	12 U	12 U	13 U
Dichloroethylenes	--	--	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	2.2 U	0.5 J	2.4 U	2.4 U	2.5 U
Ethylbenzene	41000	1000	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
Hexachlorobutadiene	--	--	UG/KG	4.3 U	4.5 U	4.7 U	4.8 U	5.1 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
m,p-Xylene	--	--	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
Methyl Acetate	--	--	UG/KG	4.3 U	4.5 U	4.7 U	4.8 U	5.1 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	11 U	11 U	12 U	12 U	13 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	11 U	11 U	12 U	12 U	13 U
Methylcyclohexane	--	--	UG/KG	4.3 U	4.5 U	4.7 U	4.8 U	5.1 U
Methylene Chloride	100000	50	UG/KG	2.7 J	4.6 J	5.9 U	6 U	6.4 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A5	A6	A7	A8	A9
			Sample Date:	07/13/2018	07/12/2018	07/12/2018	07/12/2018	07/11/2018
			Sample Depth (ft bls):	4 - 4	4 - 4	4 - 4	3.5 - 3.5	5 - 5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Naphthalene	100000	12000	UG/KG	4.3 U	4.5 U	4.7 U	4.8 U	5.1 U
N-Butylbenzene	100000	12000	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
N-Propylbenzene	100000	3900	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
Sec-Butylbenzene	100000	11000	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
Styrene	--	--	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
T-Butylbenzene	100000	5900	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
Tert-Butyl Alcohol	--	--	UG/KG	22 U	22 U	24 U	24 U	25 U
Tert-Butyl Methyl Ether	100000	930	UG/KG	2.2 U	2.2 U	2.4 U	2.4 U	2.5 U
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.54 U	0.56 U	0.59 U	0.6 U	0.64 U
Toluene	100000	700	UG/KG	1.1 U	1.1 U	0.82 J	0.73 J	0.73 J
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.54 U	0.56 U	0.59 U	0.6 U	0.64 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.6 U	1.7 U	1.8 U	1.8 U	1.9 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5.4 U	5.6 U	5.9 U	6 U	6.4 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.54 U	0.56 U	0.59 U	0.6 U	0.64 U
Trichlorofluoromethane	--	--	UG/KG	4.3 U	4.5 U	4.7 U	4.8 U	5.1 U
Vinyl Acetate	--	--	UG/KG	11 U	11 U	12 U	12 U	13 U
Vinyl Chloride	900	20	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U
Xylenes	100000	1600	UG/KG	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B1	B10	B11	B12	B13
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018
			Sample Depth (ft bls):	12 - 12	11 - 11	10 - 10	12 - 12	11 - 11
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.47 U	0.48 U	0.55 U	0.52 U	0.54 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.47 U	0.48 U	0.55 U	0.52 U	0.54 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.47 U	0.48 U	0.55 U	0.52 U	0.54 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	3.8 U	3.8 U	4.4 U	4.1 U	4.4 U
1,1,2-Trichloroethane	--	--	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
1,1-Dichloroethane	26000	270	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
1,1-Dichloroethene	100000	330	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
1,1-Dichloropropene	--	--	UG/KG	0.47 U	0.48 U	0.55 U	0.52 U	0.54 U
1,2,3-Trichlorobenzene	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
1,2,3-Trichloropropane	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
1,2,4-Trichlorobenzene	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	2.8 U	2.9 U	3.3 U	3.1 U	3.3 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
1,2-Dichlorobenzene	100000	1100	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
1,2-Dichloroethane	3100	20	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
1,2-Dichloropropane	--	--	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
1,3-Dichlorobenzene	49000	2400	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
1,3-Dichloropropane	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
1,4-Dichlorobenzene	13000	1800	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
1,4-Diethyl Benzene	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	94 U	96 U	110 U	100 U	110 U
2,2-Dichloropropane	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
2-Chlorotoluene	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
2-Hexanone	--	--	UG/KG	9.4 U	9.6 U	11 U	10 U	11 U
4-Chlorotoluene	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
4-Ethyltoluene	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
Acetone	100000	50	UG/KG	20	10	45	20	9.1 J
Acrolein	--	--	UG/KG	24 U	24 U	27 U	26 U	27 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B1	B10	B11	B12	B13
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018
			Sample Depth (ft bls):	12 - 12	11 - 11	10 - 10	12 - 12	11 - 11
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Acrylonitrile	--	--	UG/KG	3.8 U	3.8 U	4.4 U	4.1 U	4.4 U
Benzene	4800	60	UG/KG	0.47 U	0.48 U	0.55 U	0.52 U	0.54 U
Bromobenzene	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
Bromochloromethane	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
Bromodichloromethane	--	--	UG/KG	0.47 U	0.48 U	0.55 U	0.52 U	0.54 U
Bromoform	--	--	UG/KG	3.8 U	3.8 U	4.4 U	4.1 U	4.4 U
Bromomethane	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
Carbon Disulfide	--	--	UG/KG	9.4 U	9.6 U	11 U	10 U	11 U
Carbon Tetrachloride	2400	760	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
Chlorobenzene	100000	1100	UG/KG	0.47 U	0.48 U	0.55 U	0.52 U	0.54 U
Chloroethane	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
Chloroform	49000	370	UG/KG	1.4 U	1.4 U	1.6 U	1.6 U	1.6 U
Chloromethane	--	--	UG/KG	3.8 U	3.8 U	4.4 U	4.1 U	4.4 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.47 U	0.48 U	0.55 U	0.52 U	0.54 U
Cyclohexane	--	--	UG/KG	9.4 U	9.6 U	11 U	10 U	11 U
Cymene	--	--	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
Dibromochloromethane	--	--	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
Dibromomethane	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
Dichlorodifluoromethane	--	--	UG/KG	9.4 U	9.6 U	11 U	10 U	11 U
Dichloroethylenes	--	--	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
Ethylbenzene	41000	1000	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
Hexachlorobutadiene	--	--	UG/KG	3.8 U	3.8 U	4.4 U	4.1 U	4.4 U
Isopropylbenzene (Cumene)	--	--	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
m,p-Xylene	--	--	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
Methyl Acetate	--	--	UG/KG	3.8 U	3.8 U	4.4 U	4.1 U	4.4 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	2.1 J	9.6 U	11 U	10 U	11 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	9.4 U	9.6 U	11 U	10 U	11 U
Methylcyclohexane	--	--	UG/KG	3.8 U	3.8 U	4.4 U	4.1 U	4.4 U
Methylene Chloride	100000	50	UG/KG	2.2 J	4.8 U	3 J	2.5 J	5.4 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B1	B10	B11	B12	B13
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018
			Sample Depth (ft bls):	12 - 12	11 - 11	10 - 10	12 - 12	11 - 11
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Naphthalene	100000	12000	UG/KG	3.8 U	2.9 J	4.4 U	4.1 U	4.4 U
N-Butylbenzene	100000	12000	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
N-Propylbenzene	100000	3900	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
Sec-Butylbenzene	100000	11000	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
Styrene	--	--	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
T-Butylbenzene	100000	5900	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
Tert-Butyl Alcohol	--	--	UG/KG	19 U	19 U	22 U	21 U	22 U
Tert-Butyl Methyl Ether	100000	930	UG/KG	1.9 U	1.9 U	2.2 U	2.1 U	2.2 U
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.47 U	0.48 U	0.55 U	0.52 U	0.54 U
Toluene	100000	700	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.47 U	0.48 U	0.55 U	0.52 U	0.54 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.4 U	1.4 U	1.6 U	1.6 U	1.6 U
Trans-1,3-Dichloropropene	--	--	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	4.7 U	4.8 U	5.5 U	5.2 U	5.4 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.47 U	0.48 U	0.55 U	0.52 U	0.54 U
Trichlorofluoromethane	--	--	UG/KG	3.8 U	3.8 U	4.4 U	4.1 U	4.4 U
Vinyl Acetate	--	--	UG/KG	9.4 U	9.6 U	11 U	10 U	11 U
Vinyl Chloride	900	20	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U
Xylenes	100000	1600	UG/KG	0.94 U	0.96 U	1.1 U	1 U	1.1 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B14	B15	B16	B17	B18
			Sample Date:	07/17/2018	07/16/2018	07/16/2018	07/16/2018	07/12/2018
			Sample Depth (ft bls):	11 - 11	12 - 12	9 - 9	12 - 12	14 - 14
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.54 U	0.57 U	0.56 U	0.59 U	0.51 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.54 U	0.57 U	0.56 U	0.59 U	0.51 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.54 U	0.57 U	0.56 U	0.59 U	0.51 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	4.3 U	4.5 U	4.5 U	4.7 U	4.1 U
1,1,2-Trichloroethane	--	--	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
1,1-Dichloroethane	26000	270	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
1,1-Dichloroethene	100000	330	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
1,1-Dichloropropene	--	--	UG/KG	0.54 U	0.57 U	0.56 U	0.59 U	0.51 U
1,2,3-Trichlorobenzene	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
1,2,3-Trichloropropane	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
1,2,4-Trichlorobenzene	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	3.2 U	3.4 U	3.3 U	3.6 U	3.1 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
1,2-Dichlorobenzene	100000	1100	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
1,2-Dichloroethane	3100	20	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
1,2-Dichloropropane	--	--	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
1,3-Dichlorobenzene	49000	2400	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
1,3-Dichloropropane	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
1,4-Dichlorobenzene	13000	1800	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
1,4-Diethyl Benzene	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	110 U	110 U	110 U	120 U	100 U
2,2-Dichloropropane	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
2-Chlorotoluene	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
2-Hexanone	--	--	UG/KG	11 U	11 U	11 U	12 U	10 U
4-Chlorotoluene	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
4-Ethyltoluene	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
Acetone	100000	50	UG/KG	13	11 U	25	12 U	20
Acrolein	--	--	UG/KG	27 U	28 U	28 U	30 U	26 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B14	B15	B16	B17	B18
			Sample Date:	07/17/2018	07/16/2018	07/16/2018	07/16/2018	07/12/2018
			Sample Depth (ft bls):	11 - 11	12 - 12	9 - 9	12 - 12	14 - 14
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Acrylonitrile	--	--	UG/KG	4.3 U	4.5 U	4.5 U	4.7 U	4.1 U
Benzene	4800	60	UG/KG	0.54 U	0.57 U	0.56 U	0.59 U	0.51 U
Bromobenzene	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
Bromochloromethane	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
Bromodichloromethane	--	--	UG/KG	0.54 U	0.57 U	0.56 U	0.59 U	0.51 U
Bromoform	--	--	UG/KG	4.3 U	4.5 U	4.5 U	4.7 U	4.1 U
Bromomethane	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
Carbon Disulfide	--	--	UG/KG	11 U	11 U	11 U	12 U	10 U
Carbon Tetrachloride	2400	760	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
Chlorobenzene	100000	1100	UG/KG	0.54 U	0.57 U	0.56 U	0.59 U	0.51 U
Chloroethane	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
Chloroform	49000	370	UG/KG	1.6 U	1.7 U	1.7 U	1.8 U	1.5 U
Chloromethane	--	--	UG/KG	4.3 U	4.5 U	4.5 U	4.7 U	4.1 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.54 U	0.57 U	0.56 U	0.59 U	0.51 U
Cyclohexane	--	--	UG/KG	11 U	11 U	11 U	12 U	10 U
Cymene	--	--	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
Dibromochloromethane	--	--	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
Dibromomethane	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
Dichlorodifluoromethane	--	--	UG/KG	11 U	11 U	11 U	12 U	10 U
Dichloroethylenes	--	--	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
Ethylbenzene	41000	1000	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
Hexachlorobutadiene	--	--	UG/KG	4.3 U	4.5 U	4.5 U	4.7 U	4.1 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
m,p-Xylene	--	--	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
Methyl Acetate	--	--	UG/KG	4.3 U	4.5 U	4.5 U	4.7 U	4.1 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	11 U	11 U	11 U	12 U	10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	11 U	11 U	11 U	12 U	10 U
Methylcyclohexane	--	--	UG/KG	4.3 U	4.5 U	0.8 J	4.7 U	4.1 U
Methylene Chloride	100000	50	UG/KG	5.4 U	5.7 U	5.6 U	3.1 J	5.1 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B14	B15	B16	B17	B18
			Sample Date:	07/17/2018	07/16/2018	07/16/2018	07/16/2018	07/12/2018
			Sample Depth (ft bls):	11 - 11	12 - 12	9 - 9	12 - 12	14 - 14
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Naphthalene	100000	12000	UG/KG	4.3 U	4.5 U	4.5 U	4.7 U	4.1 U
N-Butylbenzene	100000	12000	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
N-Propylbenzene	100000	3900	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
Sec-Butylbenzene	100000	11000	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
Styrene	--	--	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
T-Butylbenzene	100000	5900	UG/KG	2.2 U	2.3 U	0.23 J	2.4 U	2 U
Tert-Butyl Alcohol	--	--	UG/KG	22 U	23 U	22 U	24 U	20 U
Tert-Butyl Methyl Ether	100000	930	UG/KG	2.2 U	2.3 U	2.2 U	2.4 U	2 U
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.54 U	0.57 U	0.56 U	0.59 U	0.51 U
Toluene	100000	700	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.54 U	0.57 U	0.56 U	0.59 U	0.51 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.6 U	1.7 U	1.7 U	1.8 U	1.5 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5.4 U	5.7 U	5.6 U	5.9 U	5.1 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.54 U	0.57 U	0.56 U	0.59 U	0.51 U
Trichlorofluoromethane	--	--	UG/KG	4.3 U	4.5 U	4.5 U	4.7 U	4.1 U
Vinyl Acetate	--	--	UG/KG	11 U	11 U	11 U	12 U	10 U
Vinyl Chloride	900	20	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U
Xylenes	100000	1600	UG/KG	1.1 U	1.1 U	1.1 U	1.2 U	1 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B19	B2	B20	B21	B22
			Sample Date:	07/12/2018	07/17/2018	07/11/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	10 - 10	9 - 9	11 - 11	11 - 11	10 - 10
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.56 U	0.49 U	0.54 U	0.49 U	0.49 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.56 U	0.49 U	0.54 U	0.49 U	0.49 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.56 U	0.49 U	0.54 U	0.49 U	0.49 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	4.4 U	3.9 U	4.3 U	3.9 U	3.9 U
1,1,2-Trichloroethane	--	--	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
1,1-Dichloroethane	26000	270	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
1,1-Dichloroethene	100000	330	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
1,1-Dichloropropene	--	--	UG/KG	0.56 U	0.49 U	0.54 U	0.49 U	0.49 U
1,2,3-Trichlorobenzene	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
1,2,3-Trichloropropane	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
1,2,4-Trichlorobenzene	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	3.3 U	2.9 U	3.2 U	2.9 U	2.9 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
1,2-Dichlorobenzene	100000	1100	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
1,2-Dichloroethane	3100	20	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
1,2-Dichloropropane	--	--	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
1,3-Dichlorobenzene	49000	2400	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
1,3-Dichloropropane	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
1,4-Dichlorobenzene	13000	1800	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
1,4-Diethyl Benzene	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	110 U	97 U	110 U	98 U	98 U
2,2-Dichloropropane	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
2-Chlorotoluene	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
2-Hexanone	--	--	UG/KG	11 U	9.7 U	11 U	9.8 U	9.8 U
4-Chlorotoluene	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
4-Ethyltoluene	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
Acetone	100000	50	UG/KG	9.5 J	23	43	6.8 J	11
Acrolein	--	--	UG/KG	28 U	24 U	27 U	24 U	24 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B19	B2	B20	B21	B22
			Sample Date:	07/12/2018	07/17/2018	07/11/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	10 - 10	9 - 9	11 - 11	11 - 11	10 - 10
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Acrylonitrile	--	--	UG/KG	4.4 U	3.9 U	4.3 U	3.9 U	3.9 U
Benzene	4800	60	UG/KG	0.56 U	0.49 U	0.54 U	0.49 U	0.49 U
Bromobenzene	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
Bromochloromethane	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
Bromodichloromethane	--	--	UG/KG	0.56 U	0.49 U	0.54 U	0.49 U	0.49 U
Bromoform	--	--	UG/KG	4.4 U	3.9 U	4.3 U	3.9 U	3.9 U
Bromomethane	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
Carbon Disulfide	--	--	UG/KG	11 U	9.7 U	11 U	9.8 U	9.8 U
Carbon Tetrachloride	2400	760	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
Chlorobenzene	100000	1100	UG/KG	0.56 U	0.49 U	0.54 U	0.49 U	0.49 U
Chloroethane	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
Chloroform	49000	370	UG/KG	1.7 U	1.5 U	1.6 U	1.5 U	1.5 U
Chloromethane	--	--	UG/KG	4.4 U	3.9 U	4.3 U	3.9 U	3.9 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.56 U	0.49 U	0.54 U	0.49 U	0.49 U
Cyclohexane	--	--	UG/KG	11 U	9.7 U	11 U	9.8 U	9.8 U
Cymene	--	--	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
Dibromochloromethane	--	--	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
Dibromomethane	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
Dichlorodifluoromethane	--	--	UG/KG	11 U	9.7 U	11 U	9.8 U	9.8 U
Dichloroethylenes	--	--	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
Ethylbenzene	41000	1000	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
Hexachlorobutadiene	--	--	UG/KG	4.4 U	3.9 U	4.3 U	3.9 U	3.9 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
m,p-Xylene	--	--	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
Methyl Acetate	--	--	UG/KG	4.4 U	3.9 U	4.3 U	3.9 U	3.9 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	11 U	3.2 J	11 U	9.8 U	9.8 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	11 U	9.7 U	11 U	9.8 U	9.8 U
Methylcyclohexane	--	--	UG/KG	4.4 U	3.9 U	4.3 U	3.9 U	3.9 U
Methylene Chloride	100000	50	UG/KG	5.6 U	2.4 J	5.4 U	4.9 U	4.9 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B19	B2	B20	B21	B22
			Sample Date:	07/12/2018	07/17/2018	07/11/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	10 - 10	9 - 9	11 - 11	11 - 11	10 - 10
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Naphthalene	100000	12000	UG/KG	4.4 U	3.9 U	4.3 U	3.9 U	3.9 U
N-Butylbenzene	100000	12000	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
N-Propylbenzene	100000	3900	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
Sec-Butylbenzene	100000	11000	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
Styrene	--	--	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
T-Butylbenzene	100000	5900	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
Tert-Butyl Alcohol	--	--	UG/KG	22 U	19 U	22 U	20 U	20 U
Tert-Butyl Methyl Ether	100000	930	UG/KG	2.2 U	1.9 U	2.2 U	2 U	2 U
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.56 U	0.49 U	0.54 U	0.49 U	0.49 U
Toluene	100000	700	UG/KG	0.73 J	0.97 U	1.1 U	0.98 U	0.98 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.56 U	0.49 U	0.54 U	0.49 U	0.49 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.7 U	1.5 U	1.6 U	1.5 U	1.5 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5.6 U	4.9 U	5.4 U	4.9 U	4.9 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.56 U	0.49 U	0.54 U	0.49 U	0.49 U
Trichlorofluoromethane	--	--	UG/KG	4.4 U	3.9 U	4.3 U	3.9 U	3.9 U
Vinyl Acetate	--	--	UG/KG	11 U	9.7 U	11 U	9.8 U	9.8 U
Vinyl Chloride	900	20	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U
Xylenes	100000	1600	UG/KG	1.1 U	0.97 U	1.1 U	0.98 U	0.98 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B23	B24	B3	B4	B5
			Sample Date:	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	10 - 10	11 - 11	12 - 12	13.5 - 13.5	12 - 12
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.5 U	0.5 U	0.96 U	0.56 U	0.63 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.5 U	0.5 U	0.96 U	0.56 U	0.63 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.5 U	0.5 U	0.96 U	0.56 U	0.63 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	4 U	4 U	7.7 U	4.5 U	5.1 U
1,1,2-Trichloroethane	--	--	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
1,1-Dichloroethane	26000	270	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
1,1-Dichloroethene	100000	330	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
1,1-Dichloropropene	--	--	UG/KG	0.5 U	0.5 U	0.96 U	0.56 U	0.63 U
1,2,3-Trichlorobenzene	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
1,2,3-Trichloropropane	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
1,2,4-Trichlorobenzene	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	3 U	3 U	5.8 U	3.4 U	3.8 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
1,2-Dichlorobenzene	100000	1100	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
1,2-Dichloroethane	3100	20	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
1,2-Dichloropropane	--	--	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
1,3-Dichlorobenzene	49000	2400	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
1,3-Dichloropropane	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
1,4-Dichlorobenzene	13000	1800	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
1,4-Diethyl Benzene	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	99 U	99 U	190 U	110 U	130 U
2,2-Dichloropropane	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
2-Chlorotoluene	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
2-Hexanone	--	--	UG/KG	9.9 U	9.9 U	19 U	11 U	13 U
4-Chlorotoluene	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
4-Ethyltoluene	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
Acetone	100000	50	UG/KG	8.8 J	23	97	110	13 U
Acrolein	--	--	UG/KG	25 U	25 U	48 U	28 U	32 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B23	B24	B3	B4	B5
			Sample Date:	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	10 - 10	11 - 11	12 - 12	13.5 - 13.5	12 - 12
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Acrylonitrile	--	--	UG/KG	4 U	4 U	7.7 U	4.5 U	5.1 U
Benzene	4800	60	UG/KG	0.5 U	0.5 U	0.96 U	0.56 U	0.63 U
Bromobenzene	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
Bromochloromethane	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
Bromodichloromethane	--	--	UG/KG	0.5 U	0.5 U	0.96 U	0.56 U	0.63 U
Bromoform	--	--	UG/KG	4 U	4 U	7.7 U	4.5 U	5.1 U
Bromomethane	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
Carbon Disulfide	--	--	UG/KG	9.9 U	9.9 U	19 U	11 U	13 U
Carbon Tetrachloride	2400	760	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
Chlorobenzene	100000	1100	UG/KG	0.5 U	0.5 U	0.96 U	0.56 U	0.63 U
Chloroethane	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
Chloroform	49000	370	UG/KG	1.5 U	1.5 U	2.9 U	1.7 U	1.9 U
Chloromethane	--	--	UG/KG	4 U	4 U	7.7 U	4.5 U	5.1 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.5 U	0.5 U	0.96 U	0.56 U	0.63 U
Cyclohexane	--	--	UG/KG	9.9 U	9.9 U	19 U	11 U	13 U
Cymene	--	--	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
Dibromochloromethane	--	--	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
Dibromomethane	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
Dichlorodifluoromethane	--	--	UG/KG	9.9 U	9.9 U	19 U	11 U	13 U
Dichloroethylenes	--	--	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
Ethylbenzene	41000	1000	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
Hexachlorobutadiene	--	--	UG/KG	4 U	4 U	7.7 U	4.5 U	5.1 U
Isopropylbenzene (Cumene)	--	--	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
m,p-Xylene	--	--	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
Methyl Acetate	--	--	UG/KG	4 U	4 U	7.7 U	4.5 U	5.1 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	9.9 U	9.9 U	19 U	11 U	13 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	9.9 U	9.9 U	19 U	11 U	13 U
Methylcyclohexane	--	--	UG/KG	4 U	4 U	7.7 U	4.5 U	5.1 U
Methylene Chloride	100000	50	UG/KG	5 U	3.9 J	9.6 U	3.6 J	5.3 J

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B23	B24	B3	B4	B5
			Sample Date:	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	10 - 10	11 - 11	12 - 12	13.5 - 13.5	12 - 12
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Naphthalene	100000	12000	UG/KG	0.75 J	4 U	3 J	4.5 U	5.1 U
N-Butylbenzene	100000	12000	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
N-Propylbenzene	100000	3900	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
Sec-Butylbenzene	100000	11000	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
Styrene	--	--	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
T-Butylbenzene	100000	5900	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
Tert-Butyl Alcohol	--	--	UG/KG	20 U	20 U	38 U	22 U	25 U
Tert-Butyl Methyl Ether	100000	930	UG/KG	2 U	2 U	3.8 U	2.2 U	2.5 U
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.5 U	0.5 U	0.96 U	0.56 U	0.63 U
Toluene	100000	700	UG/KG	0.99 U	0.99 U	1.9 U	0.66 J	1.3 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.5 U	0.5 U	0.96 U	0.56 U	0.63 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.5 U	1.5 U	2.9 U	1.7 U	1.9 U
Trans-1,3-Dichloropropene	--	--	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5 U	5 U	9.6 U	5.6 U	6.3 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.5 U	0.5 U	0.96 U	0.56 U	0.63 U
Trichlorofluoromethane	--	--	UG/KG	4 U	4 U	7.7 U	4.5 U	5.1 U
Vinyl Acetate	--	--	UG/KG	9.9 U	9.9 U	19 U	11 U	13 U
Vinyl Chloride	900	20	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U
Xylenes	100000	1600	UG/KG	0.99 U	0.99 U	1.9 U	1.1 U	1.3 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B6	B7	B8	B9	C1
			Sample Date:	07/12/2018	07/12/2018	07/12/2018	07/11/2018	07/17/2018
			Sample Depth (ft bls):	10 - 10	12 - 12	12 - 12	9 - 9	17 - 17
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.54 U	0.55 U	0.44 U	0.55 U	0.48 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.54 U	0.55 U	0.44 U	0.55 U	0.48 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.54 U	0.55 U	0.44 U	0.55 U	0.48 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	4.3 U	4.4 U	3.5 U	4.4 U	3.8 U
1,1,2-Trichloroethane	--	--	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
1,1-Dichloroethane	26000	270	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
1,1-Dichloroethene	100000	330	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
1,1-Dichloropropene	--	--	UG/KG	0.54 U	0.55 U	0.44 U	0.55 U	0.48 U
1,2,3-Trichlorobenzene	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
1,2,3-Trichloropropane	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
1,2,4-Trichlorobenzene	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	3.2 U	3.3 U	2.6 U	3.3 U	2.9 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
1,2-Dichlorobenzene	100000	1100	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
1,2-Dichloroethane	3100	20	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
1,2-Dichloropropane	--	--	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
1,3-Dichlorobenzene	49000	2400	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
1,3-Dichloropropane	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
1,4-Dichlorobenzene	13000	1800	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
1,4-Diethyl Benzene	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	110 U	110 U	88 U	110 U	96 U
2,2-Dichloropropane	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
2-Chlorotoluene	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
2-Hexanone	--	--	UG/KG	11 U	11 U	8.8 U	11 U	9.6 U
4-Chlorotoluene	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
4-Ethyltoluene	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
Acetone	100000	50	UG/KG	18	22	15	13	34
Acrolein	--	--	UG/KG	27 U	28 U	22 U	28 U	24 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B6	B7	B8	B9	C1
			Sample Date:	07/12/2018	07/12/2018	07/12/2018	07/11/2018	07/17/2018
			Sample Depth (ft bls):	10 - 10	12 - 12	12 - 12	9 - 9	17 - 17
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Acrylonitrile	--	--	UG/KG	4.3 U	4.4 U	3.5 U	4.4 U	3.8 U
Benzene	4800	60	UG/KG	0.54 U	0.55 U	0.44 U	0.55 U	0.48 U
Bromobenzene	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
Bromochloromethane	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
Bromodichloromethane	--	--	UG/KG	0.54 U	0.55 U	0.44 U	0.55 U	0.48 U
Bromoform	--	--	UG/KG	4.3 U	4.4 U	3.5 U	4.4 U	3.8 U
Bromomethane	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
Carbon Disulfide	--	--	UG/KG	11 U	11 U	8.8 U	11 U	9.6 U
Carbon Tetrachloride	2400	760	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
Chlorobenzene	100000	1100	UG/KG	0.54 U	0.55 U	0.44 U	0.55 U	0.48 U
Chloroethane	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
Chloroform	49000	370	UG/KG	1.6 U	1.6 U	1.3 U	1.6 U	1.4 U
Chloromethane	--	--	UG/KG	4.3 U	4.4 U	3.5 U	4.4 U	3.8 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.54 U	0.55 U	0.44 U	0.55 U	0.48 U
Cyclohexane	--	--	UG/KG	11 U	11 U	8.8 U	11 U	9.6 U
Cymene	--	--	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	1
Dibromochloromethane	--	--	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
Dibromomethane	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
Dichlorodifluoromethane	--	--	UG/KG	11 U	11 U	8.8 U	11 U	9.6 U
Dichloroethylenes	--	--	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
Ethylbenzene	41000	1000	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
Hexachlorobutadiene	--	--	UG/KG	4.3 U	4.4 U	3.5 U	4.4 U	3.8 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
m,p-Xylene	--	--	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
Methyl Acetate	--	--	UG/KG	4.3 U	4.4 U	3.5 U	4.4 U	3.8 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	11 U	3.1 J	8.8 U	11 U	4 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	11 U	11 U	8.8 U	11 U	9.6 U
Methylcyclohexane	--	--	UG/KG	4.3 U	4.4 U	3.5 U	4.4 U	3.8 U
Methylene Chloride	100000	50	UG/KG	5.6	5.5 U	4.4 U	5.5 U	2.3 J

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B6	B7	B8	B9	C1
			Sample Date:	07/12/2018	07/12/2018	07/12/2018	07/11/2018	07/17/2018
			Sample Depth (ft bls):	10 - 10	12 - 12	12 - 12	9 - 9	17 - 17
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Naphthalene	100000	12000	UG/KG	4.3 U	4.4 U	3.5 U	4.4 U	3.8 U
N-Butylbenzene	100000	12000	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
N-Propylbenzene	100000	3900	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
Sec-Butylbenzene	100000	11000	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
Styrene	--	--	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
T-Butylbenzene	100000	5900	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
Tert-Butyl Alcohol	--	--	UG/KG	22 U	22 U	18 U	22 U	19 U
Tert-Butyl Methyl Ether	100000	930	UG/KG	2.2 U	2.2 U	1.8 U	2.2 U	1.9 U
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.54 U	0.55 U	0.44 U	0.55 U	0.48 U
Toluene	100000	700	UG/KG	1.1 U	0.79 J	0.69 J	0.74 J	0.96 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.54 U	0.55 U	0.44 U	0.55 U	0.48 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.6 U	1.6 U	1.3 U	1.6 U	1.4 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5.4 U	5.5 U	4.4 U	5.5 U	4.8 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.54 U	0.55 U	0.44 U	0.55 U	0.48 U
Trichlorofluoromethane	--	--	UG/KG	4.3 U	4.4 U	3.5 U	4.4 U	3.8 U
Vinyl Acetate	--	--	UG/KG	11 U	11 U	8.8 U	11 U	9.6 U
Vinyl Chloride	900	20	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U
Xylenes	100000	1600	UG/KG	1.1 U	1.1 U	0.88 U	1.1 U	0.96 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C10	C11	C12	C2	C3
			Sample Date:	07/11/2018	07/10/2018	07/10/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	16 - 16	16 - 16	17 - 17	18 - 18	16 - 16
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.5 U	0.57 U	0.55 U	0.55 U	0.51 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.5 U	0.57 U	0.55 U	0.55 U	0.51 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.5 U	0.57 U	0.55 U	0.55 U	0.51 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	4 U	4.6 U	4.4 U	4.4 U	4 U
1,1,2-Trichloroethane	--	--	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
1,1-Dichloroethane	26000	270	UG/KG	0.99 U	0.28 J	1.1 U	1.1 U	1 U
1,1-Dichloroethene	100000	330	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
1,1-Dichloropropene	--	--	UG/KG	0.5 U	0.57 U	0.55 U	0.55 U	0.51 U
1,2,3-Trichlorobenzene	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
1,2,3-Trichloropropane	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
1,2,4-Trichlorobenzene	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	3 U	3.4 U	3.3 U	3.3 U	3 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
1,2-Dichlorobenzene	100000	1100	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
1,2-Dichloroethane	3100	20	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
1,2-Dichloropropane	--	--	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
1,3-Dichlorobenzene	49000	2400	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
1,3-Dichloropropane	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
1,4-Dichlorobenzene	13000	1800	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
1,4-Diethyl Benzene	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	99 U	110 U	110 U	110 U	100 U
2,2-Dichloropropane	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
2-Chlorotoluene	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
2-Hexanone	--	--	UG/KG	9.9 U	11 U	11 U	11 U	10 U
4-Chlorotoluene	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
4-Ethyltoluene	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
Acetone	100000	50	UG/KG	15	20	6.7 J	36	5.6 J
Acrolein	--	--	UG/KG	25 U	29 U	28 U	28 U	25 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C10	C11	C12	C2	C3
			Sample Date:	07/11/2018	07/10/2018	07/10/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	16 - 16	16 - 16	17 - 17	18 - 18	16 - 16
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Acrylonitrile	--	--	UG/KG	4 U	4.6 U	4.4 U	4.4 U	4 U
Benzene	4800	60	UG/KG	0.5 U	0.57 U	0.3 J	0.55 U	0.51 U
Bromobenzene	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
Bromochloromethane	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
Bromodichloromethane	--	--	UG/KG	0.5 U	0.57 U	0.55 U	0.55 U	0.51 U
Bromoform	--	--	UG/KG	4 U	4.6 U	4.4 U	4.4 U	4 U
Bromomethane	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
Carbon Disulfide	--	--	UG/KG	9.9 U	11 U	11 U	11 U	10 U
Carbon Tetrachloride	2400	760	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
Chlorobenzene	100000	1100	UG/KG	0.5 U	0.57 U	0.55 U	0.55 U	0.51 U
Chloroethane	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
Chloroform	49000	370	UG/KG	1.5 U	1.7 U	1.6 U	1.7 U	1.5 U
Chloromethane	--	--	UG/KG	4 U	4.6 U	4.4 U	4.4 U	4 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.5 U	0.57 U	0.55 U	0.55 U	0.51 U
Cyclohexane	--	--	UG/KG	9.9 U	11 U	11 U	11 U	10 U
Cymene	--	--	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
Dibromochloromethane	--	--	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
Dibromomethane	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
Dichlorodifluoromethane	--	--	UG/KG	9.9 U	11 U	11 U	11 U	10 U
Dichloroethylenes	--	--	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
Ethylbenzene	41000	1000	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
Hexachlorobutadiene	--	--	UG/KG	4 U	4.6 U	4.4 U	4.4 U	4 U
Isopropylbenzene (Cumene)	--	--	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
m,p-Xylene	--	--	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
Methyl Acetate	--	--	UG/KG	4 U	4.6 U	4.4 U	4.4 U	4 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	9.9 U	11 U	11 U	11 U	10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	9.9 U	11 U	11 U	11 U	10 U
Methylcyclohexane	--	--	UG/KG	4 U	4.6 U	4.4 U	4.4 U	4 U
Methylene Chloride	100000	50	UG/KG	5 U	3 J	5.5 U	3.3 J	4.2 J

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C10	C11	C12	C2	C3
			Sample Date:	07/11/2018	07/10/2018	07/10/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	16 - 16	16 - 16	17 - 17	18 - 18	16 - 16
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Naphthalene	100000	12000	UG/KG	4 U	4.6 U	3.6 J	4.4 U	4 U
N-Butylbenzene	100000	12000	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
N-Propylbenzene	100000	3900	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
Sec-Butylbenzene	100000	11000	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
Styrene	--	--	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
T-Butylbenzene	100000	5900	UG/KG	2 U	2.3 U	2.2 U	2.2 U	2 U
Tert-Butyl Alcohol	--	--	UG/KG	20 U	23 U	22 U	22 U	5.2 J
Tert-Butyl Methyl Ether	100000	930	UG/KG	2 U	2.3 U	2.2 U	2.2 U	0.72 J
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.5 U	0.57 U	0.55 U	0.55 U	0.51 U
Toluene	100000	700	UG/KG	0.99 U	1.1 U	1.1 U	0.63 J	1 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.5 U	0.57 U	0.55 U	0.55 U	0.51 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.5 U	1.7 U	1.6 U	1.7 U	1.5 U
Trans-1,3-Dichloropropene	--	--	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5 U	5.7 U	5.5 U	5.5 U	5.1 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.5 U	0.57 U	0.55 U	0.55 U	0.51 U
Trichlorofluoromethane	--	--	UG/KG	4 U	4.6 U	4.4 U	4.4 U	4 U
Vinyl Acetate	--	--	UG/KG	9.9 U	11 U	11 U	11 U	10 U
Vinyl Chloride	900	20	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U
Xylenes	100000	1600	UG/KG	0.99 U	1.1 U	1.1 U	1.1 U	1 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C4	C5	C6	C7	C8
			Sample Date:	07/12/2018	07/11/2018	07/09/2018	07/17/2018	07/16/2018
			Sample Depth (ft bls):	17 - 17	15 - 15	17 - 17	16.5 - 16.5	17 - 17
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.56 U	0.51 U	0.47 U	0.49 U	0.7 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.56 U	0.51 U	0.47 U	0.49 U	0.7 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.56 U	0.51 U	0.47 U	0.49 U	0.7 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	4.4 U	4.1 U	3.8 U	3.9 U	5.6 U
1,1,2-Trichloroethane	--	--	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
1,1-Dichloroethane	26000	270	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
1,1-Dichloroethene	100000	330	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
1,1-Dichloropropene	--	--	UG/KG	0.56 U	0.51 U	0.47 U	0.49 U	0.7 U
1,2,3-Trichlorobenzene	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
1,2,3-Trichloropropane	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
1,2,4-Trichlorobenzene	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	3.3 U	3 U	2.8 U	2.9 U	4.2 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
1,2-Dichlorobenzene	100000	1100	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
1,2-Dichloroethane	3100	20	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
1,2-Dichloropropane	--	--	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
1,3-Dichlorobenzene	49000	2400	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
1,3-Dichloropropane	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
1,4-Dichlorobenzene	13000	1800	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
1,4-Diethyl Benzene	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	110 U	100 U	94 U	98 U	140 U
2,2-Dichloropropane	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
2-Chlorotoluene	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
2-Hexanone	--	--	UG/KG	11 U	10 U	9.4 U	9.8 U	14 U
4-Chlorotoluene	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
4-Ethyltoluene	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
Acetone	100000	50	UG/KG	12	18	8.6 J	15	22
Acrolein	--	--	UG/KG	28 U	25 U	23 U	24 U	35 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C4	C5	C6	C7	C8
			Sample Date:	07/12/2018	07/11/2018	07/09/2018	07/17/2018	07/16/2018
			Sample Depth (ft bls):	17 - 17	15 - 15	17 - 17	16.5 - 16.5	17 - 17
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Acrylonitrile	--	--	UG/KG	4.4 U	4.1 U	3.8 U	3.9 U	5.6 U
Benzene	4800	60	UG/KG	0.56 U	0.51 U	0.47 U	0.49 U	0.7 U
Bromobenzene	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
Bromochloromethane	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
Bromodichloromethane	--	--	UG/KG	0.56 U	0.51 U	0.47 U	0.49 U	0.7 U
Bromoform	--	--	UG/KG	4.4 U	4.1 U	3.8 U	3.9 U	5.6 U
Bromomethane	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
Carbon Disulfide	--	--	UG/KG	11 U	10 U	9.4 U	9.8 U	14 U
Carbon Tetrachloride	2400	760	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
Chlorobenzene	100000	1100	UG/KG	0.56 U	0.51 U	0.47 U	0.49 U	0.7 U
Chloroethane	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
Chloroform	49000	370	UG/KG	1.7 U	1.5 U	1.4 U	1.5 U	2.1 U
Chloromethane	--	--	UG/KG	4.4 U	4.1 U	3.8 U	3.9 U	5.6 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.56 U	0.51 U	0.47 U	0.49 U	0.7 U
Cyclohexane	--	--	UG/KG	11 U	10 U	9.4 U	9.8 U	14 U
Cymene	--	--	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
Dibromochloromethane	--	--	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
Dibromomethane	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
Dichlorodifluoromethane	--	--	UG/KG	11 U	10 U	9.4 U	9.8 U	14 U
Dichloroethylenes	--	--	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
Ethylbenzene	41000	1000	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
Hexachlorobutadiene	--	--	UG/KG	4.4 U	4.1 U	3.8 U	3.9 U	5.6 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
m,p-Xylene	--	--	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
Methyl Acetate	--	--	UG/KG	4.4 U	4.1 U	3.8 U	3.9 U	5.6 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	11 U	10 U	9.4 U	9.8 U	14 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	11 U	10 U	9.4 U	9.8 U	14 U
Methylcyclohexane	--	--	UG/KG	4.4 U	4.1 U	3.8 U	3.9 U	5.6 U
Methylene Chloride	100000	50	UG/KG	5.6 U	5.1 U	3 J	4.9 U	7 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C4	C5	C6	C7	C8
			Sample Date:	07/12/2018	07/11/2018	07/09/2018	07/17/2018	07/16/2018
			Sample Depth (ft bls):	17 - 17	15 - 15	17 - 17	16.5 - 16.5	17 - 17
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Naphthalene	100000	12000	UG/KG	4.4 U	4.1 U	3.8 U	3.9 U	5.6 U
N-Butylbenzene	100000	12000	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
N-Propylbenzene	100000	3900	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
Sec-Butylbenzene	100000	11000	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
Styrene	--	--	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
T-Butylbenzene	100000	5900	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
Tert-Butyl Alcohol	--	--	UG/KG	22 U	20 U	19 U	20 U	28 U
Tert-Butyl Methyl Ether	100000	930	UG/KG	2.2 U	2 U	1.9 U	2 U	2.8 U
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.56 U	0.51 U	0.47 U	0.49 U	0.7 U
Toluene	100000	700	UG/KG	0.66 J	0.69 J	0.94 U	0.98 U	1.4 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.56 U	0.51 U	0.47 U	0.49 U	0.7 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.7 U	1.5 U	1.4 U	1.5 U	2.1 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5.6 U	5.1 U	4.7 U	4.9 U	7 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.56 U	0.51 U	0.47 U	0.49 U	0.7 U
Trichlorofluoromethane	--	--	UG/KG	4.4 U	4.1 U	3.8 U	3.9 U	5.6 U
Vinyl Acetate	--	--	UG/KG	11 U	10 U	9.4 U	9.8 U	14 U
Vinyl Chloride	900	20	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U
Xylenes	100000	1600	UG/KG	1.1 U	1 U	0.94 U	0.98 U	1.4 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C9	WFWC1	WFWC2	WFWC3	WFWC4
			Sample Date:	07/16/2018	07/18/2018	07/18/2018	07/19/2018	07/19/2018
			Sample Depth (ft bls):	16 - 16	4 - 4	4 - 4	4 - 4	4 - 4
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.58 U	0.85 U	0.76 U	0.53 U	0.62 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.58 U	0.85 U	0.76 U	0.53 U	0.62 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.58 U	0.85 U	0.76 U	0.53 U	0.62 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	4.6 U	6.8 U	6 U	4.2 U	4.9 U
1,1,2-Trichloroethane	--	--	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
1,1-Dichloroethane	26000	270	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
1,1-Dichloroethene	100000	330	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
1,1-Dichloropropene	--	--	UG/KG	0.58 U	0.85 U	0.76 U	0.53 U	0.62 U
1,2,3-Trichlorobenzene	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
1,2,3-Trichloropropane	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
1,2,4-Trichlorobenzene	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	3.5 U	5.1 U	4.5 U	3.2 U	3.7 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
1,2-Dichlorobenzene	100000	1100	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
1,2-Dichloroethane	3100	20	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
1,2-Dichloropropane	--	--	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
1,3-Dichlorobenzene	49000	2400	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
1,3-Dichloropropane	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
1,4-Dichlorobenzene	13000	1800	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
1,4-Diethyl Benzene	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	120 U	170 U	150 U	100 U	120 U
2,2-Dichloropropane	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
2-Chlorotoluene	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
2-Hexanone	--	--	UG/KG	12 U	17 U	15 U	10 U	12 U
4-Chlorotoluene	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
4-Ethyltoluene	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
Acetone	100000	50	UG/KG	15	18	13 J	7.5 J	12 U
Acrolein	--	--	UG/KG	29 U	42 U	38 U	26 U	31 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C9	WFWC1	WFWC2	WFWC3	WFWC4
			Sample Date:	07/16/2018	07/18/2018	07/18/2018	07/19/2018	07/19/2018
			Sample Depth (ft bls):	16 - 16	4 - 4	4 - 4	4 - 4	4 - 4
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Acrylonitrile	--	--	UG/KG	4.6 U	6.8 U	6 U	4.2 U	4.9 U
Benzene	4800	60	UG/KG	0.58 U	0.85 U	0.76 U	0.53 U	0.62 U
Bromobenzene	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
Bromochloromethane	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
Bromodichloromethane	--	--	UG/KG	0.58 U	0.85 U	0.76 U	0.53 U	0.62 U
Bromoform	--	--	UG/KG	4.6 U	6.8 U	6 U	4.2 U	4.9 U
Bromomethane	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
Carbon Disulfide	--	--	UG/KG	12 U	17 U	15 U	10 U	12 U
Carbon Tetrachloride	2400	760	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
Chlorobenzene	100000	1100	UG/KG	0.58 U	0.85 U	0.76 U	0.53 U	0.62 U
Chloroethane	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
Chloroform	49000	370	UG/KG	1.7 U	2.5 U	2.3 U	1.6 U	1.8 U
Chloromethane	--	--	UG/KG	4.6 U	6.8 U	6 U	4.2 U	4.9 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.58 U	0.85 U	0.76 U	0.53 U	0.62 U
Cyclohexane	--	--	UG/KG	12 U	17 U	15 U	10 U	12 U
Cymene	--	--	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
Dibromochloromethane	--	--	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
Dibromomethane	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
Dichlorodifluoromethane	--	--	UG/KG	12 U	17 U	15 U	10 U	12 U
Dichloroethylenes	--	--	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
Ethylbenzene	41000	1000	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
Hexachlorobutadiene	--	--	UG/KG	4.6 U	6.8 U	6 U	4.2 U	4.9 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
m,p-Xylene	--	--	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
Methyl Acetate	--	--	UG/KG	4.6 U	6.8 U	6 U	4.2 U	4.9 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	12 U	17 U	15 U	10 U	12 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	12 U	17 U	15 U	10 U	12 U
Methylcyclohexane	--	--	UG/KG	4.6 U	6.8 U	6 U	4.2 U	4.9 U
Methylene Chloride	100000	50	UG/KG	2.8 J	8.5 U	7.6 U	5.3 U	6.2 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C9	WFWC1	WFWC2	WFWC3	WFWC4
			Sample Date:	07/16/2018	07/18/2018	07/18/2018	07/19/2018	07/19/2018
			Sample Depth (ft bls):	16 - 16	4 - 4	4 - 4	4 - 4	4 - 4
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Naphthalene	100000	12000	UG/KG	4.6 U	6.8 U	6 U	4.2 U	4.9 U
N-Butylbenzene	100000	12000	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
N-Propylbenzene	100000	3900	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
Sec-Butylbenzene	100000	11000	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
Styrene	--	--	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
T-Butylbenzene	100000	5900	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
Tert-Butyl Alcohol	--	--	UG/KG	23 U	34 U	30 U	21 U	25 U
Tert-Butyl Methyl Ether	100000	930	UG/KG	2.3 U	3.4 U	3 U	2.1 U	2.5 U
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.58 U	0.85 U	0.76 U	0.53 U	0.62 U
Toluene	100000	700	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.58 U	0.85 U	0.76 U	0.53 U	0.62 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.7 U	2.5 U	2.3 U	1.6 U	1.8 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5.8 U	8.5 U	7.6 U	5.3 U	6.2 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.58 U	0.85 U	0.76 U	0.53 U	0.62 U
Trichlorofluoromethane	--	--	UG/KG	4.6 U	6.8 U	6 U	4.2 U	4.9 U
Vinyl Acetate	--	--	UG/KG	12 U	17 U	15 U	10 U	12 U
Vinyl Chloride	900	20	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U
Xylenes	100000	1600	UG/KG	1.2 U	1.7 U	1.5 U	1 U	1.2 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	WFWC5
			Sample Date:	07/19/2018
			Sample Depth (ft bls):	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	
1,1,1,2-Tetrachloroethane	--	--	UG/KG	0.63 U
1,1,1-Trichloroethane (TCA)	100000	680	UG/KG	0.63 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	0.63 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	UG/KG	5 U
1,1,2-Trichloroethane	--	--	UG/KG	1.2 U
1,1-Dichloroethane	26000	270	UG/KG	1.2 U
1,1-Dichloroethene	100000	330	UG/KG	1.2 U
1,1-Dichloropropene	--	--	UG/KG	0.63 U
1,2,3-Trichlorobenzene	--	--	UG/KG	2.5 U
1,2,3-Trichloropropane	--	--	UG/KG	2.5 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	2.5 U
1,2,4-Trichlorobenzene	--	--	UG/KG	2.5 U
1,2,4-Trimethylbenzene	52000	3600	UG/KG	2.5 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	3.8 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	1.2 U
1,2-Dichlorobenzene	100000	1100	UG/KG	2.5 U
1,2-Dichloroethane	3100	20	UG/KG	1.2 U
1,2-Dichloropropane	--	--	UG/KG	1.2 U
1,3,5-Trimethylbenzene (Mesitylene)	52000	8400	UG/KG	2.5 U
1,3-Dichlorobenzene	49000	2400	UG/KG	2.5 U
1,3-Dichloropropane	--	--	UG/KG	2.5 U
1,4-Dichlorobenzene	13000	1800	UG/KG	2.5 U
1,4-Diethyl Benzene	--	--	UG/KG	2.5 U
1,4-Dioxane (P-Dioxane)	13000	100	UG/KG	120 U
2,2-Dichloropropane	--	--	UG/KG	2.5 U
2-Chlorotoluene	--	--	UG/KG	2.5 U
2-Hexanone	--	--	UG/KG	12 U
4-Chlorotoluene	--	--	UG/KG	2.5 U
4-Ethyltoluene	--	--	UG/KG	2.5 U
Acetone	100000	50	UG/KG	50
Acrolein	--	--	UG/KG	31 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	WFWC5
			Sample Date:	07/19/2018
			Sample Depth (ft bls):	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	
Acrylonitrile	--	--	UG/KG	5 U
Benzene	4800	60	UG/KG	0.63 U
Bromobenzene	--	--	UG/KG	2.5 U
Bromochloromethane	--	--	UG/KG	2.5 U
Bromodichloromethane	--	--	UG/KG	0.63 U
Bromoform	--	--	UG/KG	5 U
Bromomethane	--	--	UG/KG	2.5 U
Carbon Disulfide	--	--	UG/KG	12 U
Carbon Tetrachloride	2400	760	UG/KG	1.2 U
Chlorobenzene	100000	1100	UG/KG	0.63 U
Chloroethane	--	--	UG/KG	2.5 U
Chloroform	49000	370	UG/KG	1.9 U
Chloromethane	--	--	UG/KG	5 U
Cis-1,2-Dichloroethylene	100000	250	UG/KG	1.2 U
Cis-1,3-Dichloropropene	--	--	UG/KG	0.63 U
Cyclohexane	--	--	UG/KG	12 U
Cymene	--	--	UG/KG	1.9
Dibromochloromethane	--	--	UG/KG	1.2 U
Dibromomethane	--	--	UG/KG	2.5 U
Dichlorodifluoromethane	--	--	UG/KG	12 U
Dichloroethylenes	--	--	UG/KG	1.2 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	2.5 U
Ethylbenzene	41000	1000	UG/KG	1.2 U
Hexachlorobutadiene	--	--	UG/KG	5 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1.2 U
m,p-Xylene	--	--	UG/KG	2.5 U
Methyl Acetate	--	--	UG/KG	5 U
Methyl Ethyl Ketone (2-Butanone)	100000	120	UG/KG	6 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	12 U
Methylcyclohexane	--	--	UG/KG	5 U
Methylene Chloride	100000	50	UG/KG	6.3 U

Table 2. Summary of Volatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	WFWC5
			Sample Date:	07/19/2018
			Sample Depth (ft bls):	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	
Naphthalene	100000	12000	UG/KG	5 U
N-Butylbenzene	100000	12000	UG/KG	1.2 U
N-Propylbenzene	100000	3900	UG/KG	1.2 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	1.2 U
Sec-Butylbenzene	100000	11000	UG/KG	1.2 U
Styrene	--	--	UG/KG	1.2 U
T-Butylbenzene	100000	5900	UG/KG	2.5 U
Tert-Butyl Alcohol	--	--	UG/KG	25 U
Tert-Butyl Methyl Ether	100000	930	UG/KG	2.5 U
Tetrachloroethylene (PCE)	19000	1300	UG/KG	0.63 U
Toluene	100000	700	UG/KG	1.2 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	0.63 U
Trans-1,2-Dichloroethene	100000	190	UG/KG	1.9 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.2 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	6.3 U
Trichloroethylene (TCE)	21000	470	UG/KG	0.63 U
Trichlorofluoromethane	--	--	UG/KG	5 U
Vinyl Acetate	--	--	UG/KG	12 U
Vinyl Chloride	900	20	UG/KG	1.2 U
Xylenes	100000	1600	UG/KG	1.2 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A1	A10	A11	A12	A13
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
1,2,4-Trichlorobenzene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2,3,4,6-Tetrachlorophenol	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2,4,5-Trichlorophenol	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	110 U	120 U	110 U	110 U
2,4-Dichlorophenol	--	--	UG/KG	160 U	170 U	180 U	170 U	160 U
2,4-Dimethylphenol	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2,4-Dinitrophenol	--	--	UG/KG	870 U	890 U	950 U	900 U	880 U
2,4-Dinitrotoluene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2,6-Dinitrotoluene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2-Chloronaphthalene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2-Chlorophenol	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2-Methylnaphthalene	--	--	UG/KG	32 J	220 U	240 U	220 U	58 J
2-Methylphenol (O-Cresol)	100000	330	UG/KG	180 U	190 U	200 U	190 U	180 U
2-Nitroaniline	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2-Nitrophenol	--	--	UG/KG	390 U	400 U	430 U	410 U	400 U
3- And 4- Methylphenol (Total)	100000	330	UG/KG	260 U	270 U	280 U	270 U	260 U
3,3'-Dichlorobenzidine	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
3-Nitroaniline	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	470 U	480 U	510 U	490 U	480 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
4-Chloro-3-Methylphenol	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
4-Chloroaniline	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
4-Nitroaniline	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
4-Nitrophenol	--	--	UG/KG	250 U	260 U	280 U	260 U	260 U
Acenaphthene	100000	98000	UG/KG	110 J	150 U	160 U	150 U	120 J
Acenaphthylene	100000	107000	UG/KG	52 J	150 U	160 U	150 U	150 U
Acetophenone	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Anthracene	100000	1000000	UG/KG	260	110 U	120 U	110 U	150
Atrazine	--	--	UG/KG	140 U	150 U	160 U	150 U	150 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A1	A10	A11	A12	A13
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Azobenzene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Benzaldehyde	--	--	UG/KG	240 U	240 U	260 U	250 U	240 U
Benzidine	--	--	UG/KG	600 U	610 U	650 U	620 U	600 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	510	110 U	59 J	110 U	330
Benzo(A)Pyrene	**1000**	22000	UG/KG	440	150 U	50 J	150 U	320
Benzo(B)Fluoranthene	**1000**	1700	UG/KG	550	110 U	69 J	110 U	340
Benzo(G,H,I)Perylene	100000	1000000	UG/KG	270	150 U	160 U	150 U	190
Benzo(K)Fluoranthene	**3900**	1700	UG/KG	190	110 U	120 U	110 U	160
Benzoic Acid	--	--	UG/KG	580 U	600 U	640 U	610 U	590 U
Benzyl Alcohol	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Benzyl Butyl Phthalate	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Biphenyl (Diphenyl)	--	--	UG/KG	410 U	420 U	450 U	430 U	420 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	200 U	200 U	210 U	200 U	200 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	160 U	170 U	180 U	170 U	160 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	220 U	220 U	240 U	220 U	220 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	94 J	190 U	200 U	140 J	180 U
Caprolactam	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Carbazole	--	--	UG/KG	93 J	190 U	200 U	190 U	78 J
Chrysene	**3900**	1000	UG/KG	460	110 U	55 J	110 U	330
Dibenz(A,H)Anthracene	**330**	1000000	UG/KG	68 J	110 U	120 U	110 U	57 J
Dibenzofuran	59000	210000	UG/KG	73 J	190 U	200 U	190 U	140 J
Diethyl Phthalate	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Dimethyl Phthalate	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Di-N-Butyl Phthalate	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Di-N-Octylphthalate	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Fluoranthene	**100000**	1000000	UG/KG	1200	110 U	100 J	110 U	780
Fluorene	100000	386000	UG/KG	120 J	190 U	200 U	190 U	100 J
Hexachlorobenzene	1200	3200	UG/KG	110 U	110 U	120 U	110 U	110 U
Hexachlorobutadiene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Hexachlorocyclopentadiene	--	--	UG/KG	520 U	530 U	560 U	540 U	520 U
Hexachloroethane	--	--	UG/KG	140 U	150 U	160 U	150 U	150 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A1	A10	A11	A12	A13
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Indeno(1,2,3-C,D)Pyrene	**500**	8200	UG/KG	290	150 U	160 U	150 U	210
Isophorone	--	--	UG/KG	160 U	170 U	180 U	170 U	160 U
Naphthalene	100000	12000	UG/KG	60 J	190 U	200 U	190 U	560
Nitrobenzene	--	--	UG/KG	160 U	170 U	180 U	170 U	160 U
N-Nitrosodimethylamine	--	--	UG/KG	360 U	370 U	390 U	380 U	370 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
N-Nitrosodiphenylamine	--	--	UG/KG	140 U	150 U	160 U	150 U	150 U
Pentachlorophenol	6700	800	UG/KG	140 U	150 U	160 U	150 U	150 U
Phenanthrene	**100000**	1000000	UG/KG	1100	110 U	70 J	110 U	610
Phenol	100000	330	UG/KG	180 U	190 U	200 U	190 U	180 U
Pyrene	**100000**	1000000	UG/KG	1100	110 U	100 J	110 U	670

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A14	A15	A16	A17	A18
			Sample Date:	07/17/2018	07/16/2018	07/16/2018	07/16/2018	07/12/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
1,2,4-Trichlorobenzene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2,3,4,6-Tetrachlorophenol	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2,4,5-Trichlorophenol	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	110 U	120 U	110 U	110 U
2,4-Dichlorophenol	--	--	UG/KG	160 U	170 U	180 U	170 U	160 U
2,4-Dimethylphenol	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2,4-Dinitrophenol	--	--	UG/KG	870 U	920 U	940 U	900 U	880 U
2,4-Dinitrotoluene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2,6-Dinitrotoluene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2-Chloronaphthalene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2-Chlorophenol	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2-Methylnaphthalene	--	--	UG/KG	61 J	26 J	28 J	28 J	110 J
2-Methylphenol (O-Cresol)	100000	330	UG/KG	180 U	190 U	200 U	190 U	180 U
2-Nitroaniline	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
2-Nitrophenol	--	--	UG/KG	390 U	410 U	420 U	400 U	400 U
3- And 4- Methylphenol (Total)	100000	330	UG/KG	260 U	83 J	280 U	270 U	260 U
3,3'-Dichlorobenzidine	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
3-Nitroaniline	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	470 U	500 U	510 U	490 U	480 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
4-Chloro-3-Methylphenol	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
4-Chloroaniline	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
4-Nitroaniline	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
4-Nitrophenol	--	--	UG/KG	250 U	270 U	270 U	260 U	260 U
Acenaphthene	100000	98000	UG/KG	180	26 J	56 J	70 J	150
Acenaphthylene	100000	107000	UG/KG	140	150 U	110 J	44 J	150
Acetophenone	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Anthracene	100000	1000000	UG/KG	470	41 J	210	340	370
Atrazine	--	--	UG/KG	140 U	150 U	160 U	150 U	150 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A14	A15	A16	A17	A18
			Sample Date:	07/17/2018	07/16/2018	07/16/2018	07/16/2018	07/12/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Azobenzene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Benzaldehyde	--	--	UG/KG	240 U	250 U	260 U	250 U	240 U
Benzidine	--	--	UG/KG	600 U	630 U	640 U	620 U	610 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	980	120	620	880	600
Benzo(A)Pyrene	**1000**	22000	UG/KG	800	140 J	440	680	400
Benzo(B)Fluoranthene	**1000**	1700	UG/KG	1000	160	580	860	510
Benzo(G,H,I)Perylene	100000	1000000	UG/KG	490	91 J	280	390	300
Benzo(K)Fluoranthene	**3900**	1700	UG/KG	310	54 J	200	280	120
Benzoic Acid	--	--	UG/KG	580 U	620 U	630 U	610 U	600 U
Benzyl Alcohol	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Benzyl Butyl Phthalate	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Biphenyl (Diphenyl)	--	--	UG/KG	410 U	430 U	450 U	430 U	420 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	200 U	200 U	210 U	200 U	200 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	160 U	170 U	180 U	170 U	160 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	220 U	230 U	230 U	220 U	220 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Caprolactam	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Carbazole	--	--	UG/KG	190	20 J	54 J	130 J	80 J
Chrysene	**3900**	1000	UG/KG	840	130	570	810	550
Dibenz(A,H)Anthracene	**330**	1000000	UG/KG	120	24 J	64 J	130	70 J
Dibenzofuran	59000	210000	UG/KG	140 J	18 J	34 J	52 J	92 J
Diethyl Phthalate	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Dimethyl Phthalate	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Di-N-Butyl Phthalate	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Di-N-Octylphthalate	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Fluoranthene	**100000**	1000000	UG/KG	2200	250	1300	1400	1100
Fluorene	100000	386000	UG/KG	190	31 J	70 J	90 J	160 J
Hexachlorobenzene	1200	3200	UG/KG	110 U	110 U	120 U	110 U	110 U
Hexachlorobutadiene	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
Hexachlorocyclopentadiene	--	--	UG/KG	520 U	540 U	560 U	540 U	520 U
Hexachloroethane	--	--	UG/KG	140 U	150 U	160 U	150 U	150 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A14	A15	A16	A17	A18
			Sample Date:	07/17/2018	07/16/2018	07/16/2018	07/16/2018	07/12/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Indeno(1,2,3-C,D)Pyrene	**500**	8200	UG/KG	**530**	87 J	300	390	280
Isophorone	--	--	UG/KG	160 U	170 U	180 U	170 U	160 U
Naphthalene	100000	12000	UG/KG	110 J	31 J	62 J	40 J	500
Nitrobenzene	--	--	UG/KG	160 U	170 U	180 U	170 U	160 U
N-Nitrosodimethylamine	--	--	UG/KG	360 U	380 U	390 U	380 U	370 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	180 U	190 U	200 U	190 U	180 U
N-Nitrosodiphenylamine	--	--	UG/KG	140 U	150 U	160 U	150 U	150 U
Pentachlorophenol	6700	800	UG/KG	140 U	150 U	160 U	150 U	150 U
Phenanthrene	**100000**	1000000	UG/KG	1800	180	840	1200	970
Phenol	100000	330	UG/KG	180 U	190 U	200 U	190 U	180 U
Pyrene	**100000**	1000000	UG/KG	2000	250	1500	1300	1300

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A19	A2	A20	A21	A22
			Sample Date:	07/12/2018	07/17/2018	07/11/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
1,2,4-Trichlorobenzene	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
2,3,4,6-Tetrachlorophenol	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
2,4,5-Trichlorophenol	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	120 U	110 U	120 U	110 U
2,4-Dichlorophenol	--	--	UG/KG	160 U	180 U	170 U	180 U	160 U
2,4-Dimethylphenol	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
2,4-Dinitrophenol	--	--	UG/KG	880 U	940 U	920 U	940 U	880 U
2,4-Dinitrotoluene	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
2,6-Dinitrotoluene	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
2-Chloronaphthalene	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
2-Chlorophenol	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
2-Methylnaphthalene	--	--	UG/KG	200 J	950	95 J	230 U	220 U
2-Methylphenol (O-Cresol)	100000	330	UG/KG	180 U	56 J	190 U	200 U	180 U
2-Nitroaniline	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
2-Nitrophenol	--	--	UG/KG	400 U	420 U	410 U	420 U	390 U
3- And 4- Methylphenol (Total)	100000	330	UG/KG	260 U	170 J	280 U	280 U	260 U
3,3'-Dichlorobenzidine	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
3-Nitroaniline	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	480 U	510 U	500 U	510 U	470 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
4-Chloro-3-Methylphenol	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
4-Chloroaniline	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
4-Nitroaniline	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
4-Nitrophenol	--	--	UG/KG	260 U	270 U	270 U	270 U	260 U
Acenaphthene	100000	98000	UG/KG	550	1900	170	160 U	140 U
Acenaphthylene	100000	107000	UG/KG	270	1200	450	160 U	140 U
Acetophenone	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
Anthracene	100000	1000000	UG/KG	1400	4200	760	120 U	110 U
Atrazine	--	--	UG/KG	150 U	160 U	150 U	160 U	140 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation: A19	A2	A20	A21	A22
				Sample Date: 07/12/2018	07/17/2018	07/11/2018	07/10/2018	07/10/2018
				Sample Depth (ft bls): 0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Azobenzene	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
Benzaldehyde	--	--	UG/KG	240 U	260 U	250 U	260 U	240 U
Benzidine	--	--	UG/KG	610 U	640 U	630 U	640 U	600 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	**2100**	**7500**	**1900**	120 U	110 U
Benzo(A)Pyrene	**1000**	22000	UG/KG	**1700**	**6000**	**1400**	160 U	140 U
Benzo(B)Fluoranthene	**1000**	1700	UG/KG	**2100**	**7500**	**1800**	120 U	110 U
Benzo(G,H,I)Perylene	100000	1000000	UG/KG	1100	3300	960	160 U	140 U
Benzo(K)Fluoranthene	**3900**	1700	UG/KG	740	2600	590	120 U	110 U
Benzoic Acid	--	--	UG/KG	600 U	630 U	620 U	630 U	590 U
Benzyl Alcohol	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
Benzyl Butyl Phthalate	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
Biphenyl (Diphenyl)	--	--	UG/KG	78 J	280 J	440 U	440 U	420 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	200 U	210 U	210 U	210 U	200 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	160 U	180 U	170 U	180 U	160 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	220 U	230 U	230 U	230 U	220 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
Caprolactam	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
Carbazole	--	--	UG/KG	500	1800	250	200 U	180 U
Chrysene	**3900**	1000	UG/KG	2000	**7400**	1800	120 U	110 U
Dibenz(A,H)Anthracene	**330**	1000000	UG/KG	270	**880**	220	120 U	110 U
Dibenzofuran	59000	210000	UG/KG	440	1700	130 J	200 U	180 U
Diethyl Phthalate	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
Dimethyl Phthalate	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
Di-N-Butyl Phthalate	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
Di-N-Octylphthalate	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
Fluoranthene	**100000**	1000000	UG/KG	4900	16000	3600	120 U	110 U
Fluorene	100000	386000	UG/KG	760	1900	240	200 U	180 U
Hexachlorobenzene	1200	3200	UG/KG	110 U	120 U	110 U	120 U	110 U
Hexachlorobutadiene	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
Hexachlorocyclopentadiene	--	--	UG/KG	530 U	560 U	550 U	560 U	520 U
Hexachloroethane	--	--	UG/KG	150 U	160 U	150 U	160 U	140 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A19	A2	A20	A21	A22
			Sample Date:	07/12/2018	07/17/2018	07/11/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Indeno(1,2,3-C,D)Pyrene	**500**	8200	UG/KG	**1200**	**3600**	**1100**	160 U	140 U
Isophorone	--	--	UG/KG	160 U	180 U	170 U	180 U	160 U
Naphthalene	100000	12000	UG/KG	330	1600	200	200 U	180 U
Nitrobenzene	--	--	UG/KG	160 U	180 U	170 U	180 U	160 U
N-Nitrosodimethylamine	--	--	UG/KG	370 U	390 U	380 U	390 U	360 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	180 U	190 U	190 U	200 U	180 U
N-Nitrosodiphenylamine	--	--	UG/KG	150 U	160 U	150 U	160 U	140 U
Pentachlorophenol	6700	800	UG/KG	150 U	160 U	150 U	160 U	140 U
Phenanthrene	**100000**	1000000	UG/KG	4700	19000	2100	120 U	110 U
Phenol	100000	330	UG/KG	180 U	99 J	190 U	200 U	180 U
Pyrene	**100000**	1000000	UG/KG	4500	13000	4000	120 U	110 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A23	A24	A3	A4	A5
			Sample Date:	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
1,2,4-Trichlorobenzene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2,3,4,6-Tetrachlorophenol	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2,4,5-Trichlorophenol	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	120 U	110 U	110 U	110 U
2,4-Dichlorophenol	--	--	UG/KG	170 U	180 U	170 U	170 U	170 U
2,4-Dimethylphenol	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2,4-Dinitrophenol	--	--	UG/KG	900 U	960 U	900 U	910 U	900 U
2,4-Dinitrotoluene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2,6-Dinitrotoluene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2-Chloronaphthalene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2-Chlorophenol	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2-Methylnaphthalene	--	--	UG/KG	37 J	240 U	220 U	230 U	220 U
2-Methylphenol (O-Cresol)	100000	330	UG/KG	190 U	200 U	190 U	190 U	190 U
2-Nitroaniline	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2-Nitrophenol	--	--	UG/KG	400 U	430 U	410 U	410 U	400 U
3- And 4- Methylphenol (Total)	100000	330	UG/KG	270 U	290 U	270 U	270 U	270 U
3,3'-Dichlorobenzidine	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
3-Nitroaniline	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	490 U	520 U	490 U	490 U	480 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
4-Chloro-3-Methylphenol	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
4-Chloroaniline	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
4-Nitroaniline	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
4-Nitrophenol	--	--	UG/KG	260 U	280 U	260 U	260 U	260 U
Acenaphthene	100000	98000	UG/KG	93 J	160 U	150 U	63 J	150 U
Acenaphthylene	100000	107000	UG/KG	42 J	160 U	150 U	150	150 U
Acetophenone	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Anthracene	100000	1000000	UG/KG	200	120 U	110 U	450	110 U
Atrazine	--	--	UG/KG	150 U	160 U	150 U	150 U	150 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A23	A24	A3	A4	A5
			Sample Date:	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Azobenzene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Benzaldehyde	--	--	UG/KG	250 U	260 U	250 U	250 U	250 U
Benzidine	--	--	UG/KG	620 U	660 U	620 U	620 U	620 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	480	120 U	50 J	1000	33 J
Benzo(A)Pyrene	**1000**	22000	UG/KG	440	160 U	49 J	930	150 U
Benzo(B)Fluoranthene	**1000**	1700	UG/KG	580	120 U	60 J	**1200**	43 J
Benzo(G,H,I)Perylene	100000	1000000	UG/KG	280	160 U	24 J	530	150 U
Benzo(K)Fluoranthene	**3900**	1700	UG/KG	190	120 U	110 U	370	110 U
Benzoic Acid	--	--	UG/KG	610 U	650 U	610 U	610 U	600 U
Benzyl Alcohol	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Benzyl Butyl Phthalate	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Biphenyl (Diphenyl)	--	--	UG/KG	430 U	460 U	430 U	430 U	420 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	200 U	220 U	200 U	200 U	200 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	170 U	180 U	170 U	170 U	170 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	220 U	240 U	220 U	230 U	220 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Caprolactam	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Carbazole	--	--	UG/KG	120 J	200 U	190 U	93 J	190 U
Chrysene	**3900**	1000	UG/KG	490	120 U	43 J	1000	33 J
Dibenz(A,H)Anthracene	**330**	1000000	UG/KG	64 J	120 U	110 U	110	110 U
Dibenzofuran	59000	210000	UG/KG	67 J	200 U	190 U	40 J	190 U
Diethyl Phthalate	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Dimethyl Phthalate	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Di-N-Butyl Phthalate	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Di-N-Octylphthalate	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Fluoranthene	**100000**	1000000	UG/KG	1300	120 U	91 J	2200	58 J
Fluorene	100000	386000	UG/KG	89 J	200 U	190 U	88 J	190 U
Hexachlorobenzene	1200	3200	UG/KG	110 U	120 U	110 U	110 U	110 U
Hexachlorobutadiene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Hexachlorocyclopentadiene	--	--	UG/KG	540 U	570 U	540 U	540 U	530 U
Hexachloroethane	--	--	UG/KG	150 U	160 U	150 U	150 U	150 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A23	A24	A3	A4	A5
			Sample Date:	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Indeno(1,2,3-C,D)Pyrene	**500**	8200	UG/KG	300	160 U	27 J	**570**	150 U
Isophorone	--	--	UG/KG	170 U	180 U	170 U	170 U	170 U
Naphthalene	100000	12000	UG/KG	79 J	200 U	190 U	54 J	190 U
Nitrobenzene	--	--	UG/KG	170 U	180 U	170 U	170 U	170 U
N-Nitrosodimethylamine	--	--	UG/KG	370 U	400 U	380 U	380 U	370 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
N-Nitrosodiphenylamine	--	--	UG/KG	150 U	160 U	150 U	150 U	150 U
Pentachlorophenol	6700	800	UG/KG	150 U	160 U	150 U	150 U	150 U
Phenanthrene	**100000**	1000000	UG/KG	1100	120 U	56 J	1000	47 J
Phenol	100000	330	UG/KG	190 U	200 U	190 U	190 U	190 U
Pyrene	**100000**	1000000	UG/KG	1100	120 U	80 J	2600	58 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A6	A7	A8	A9	B1
			Sample Date:	07/12/2018	07/12/2018	07/12/2018	07/11/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
1,2,4-Trichlorobenzene	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
2,3,4,6-Tetrachlorophenol	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
2,4,5-Trichlorophenol	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	110 U	110 U	110 U	120 U
2,4-Dichlorophenol	--	--	UG/KG	170 U	160 U	160 U	160 U	180 U
2,4-Dimethylphenol	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
2,4-Dinitrophenol	--	--	UG/KG	890 U	880 U	860 U	880 U	980 U
2,4-Dinitrotoluene	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
2,6-Dinitrotoluene	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
2-Chloronaphthalene	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
2-Chlorophenol	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
2-Methylnaphthalene	--	--	UG/KG	180 J	220 U	220 U	220 U	33 J
2-Methylphenol (O-Cresol)	100000	330	UG/KG	190 U	180 U	180 U	180 U	200 U
2-Nitroaniline	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
2-Nitrophenol	--	--	UG/KG	400 U	390 U	390 U	400 U	440 U
3- And 4- Methylphenol (Total)	100000	330	UG/KG	270 U	260 U	260 U	260 U	300 U
3,3'-Dichlorobenzidine	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
3-Nitroaniline	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	480 U	480 U	470 U	480 U	530 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
4-Chloro-3-Methylphenol	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
4-Chloroaniline	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
4-Nitroaniline	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
4-Nitrophenol	--	--	UG/KG	260 U	260 U	250 U	260 U	290 U
Acenaphthene	100000	98000	UG/KG	410	37 J	140 U	150 U	37 J
Acenaphthylene	100000	107000	UG/KG	340	150 U	140 U	150 U	160 U
Acetophenone	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
Anthracene	100000	1000000	UG/KG	920	80 J	49 J	110 U	45 J
Atrazine	--	--	UG/KG	150 U	150 U	140 U	150 U	160 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	A6	A7	A8	A9	B1
Sample Designation:				A6	A7	A8	A9	B1
Sample Date:				07/12/2018	07/12/2018	07/12/2018	07/11/2018	07/17/2018
Sample Depth (ft bls):				0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	7.5 - 15
Azobenzene	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
Benzaldehyde	--	--	UG/KG	51 J	240 U	240 U	240 U	270 U
Benzidine	--	--	UG/KG	610 U	600 U	600 U	600 U	680 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	**2000**	200	190	110 U	53 J
Benzo(A)Pyrene	**1000**	22000	UG/KG	**2100**	150	170	150 U	160 U
Benzo(B)Fluoranthene	**1000**	1700	UG/KG	**2400**	200	210	110 U	51 J
Benzo(G,H,I)Perylene	100000	1000000	UG/KG	1200	84 J	120 J	150 U	160 U
Benzo(K)Fluoranthene	**3900**	1700	UG/KG	880	68 J	77 J	110 U	120 U
Benzoic Acid	--	--	UG/KG	600 U	590 U	580 U	590 U	660 U
Benzyl Alcohol	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
Benzyl Butyl Phthalate	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
Biphenyl (Diphenyl)	--	--	UG/KG	63 J	420 U	410 U	420 U	470 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	200 U	200 U	190 U	200 U	220 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	170 U	160 U	160 U	160 U	180 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	220 U	220 U	220 U	220 U	250 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
Caprolactam	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
Carbazole	--	--	UG/KG	370	35 J	180 U	180 U	20 J
Chrysene	**3900**	1000	UG/KG	2000	190	180	110 U	48 J
Dibenz(A,H)Anthracene	**330**	1000000	UG/KG	290	25 J	24 J	110 U	120 U
Dibenzofuran	59000	210000	UG/KG	230	22 J	180 U	180 U	26 J
Diethyl Phthalate	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
Dimethyl Phthalate	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
Di-N-Butyl Phthalate	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
Di-N-Octylphthalate	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
Fluoranthene	**100000**	1000000	UG/KG	4700	390	320	110 U	100 J
Fluorene	100000	386000	UG/KG	490	31 J	180 U	180 U	57 J
Hexachlorobenzene	1200	3200	UG/KG	110 U	110 U	110 U	110 U	120 U
Hexachlorobutadiene	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
Hexachlorocyclopentadiene	--	--	UG/KG	530 U	520 U	520 U	520 U	590 U
Hexachloroethane	--	--	UG/KG	150 U	150 U	140 U	150 U	160 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A6	A7	A8	A9	B1
			Sample Date:	07/12/2018	07/12/2018	07/12/2018	07/11/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Indeno(1,2,3-C,D)Pyrene	**500**	8200	UG/KG	**1300**	89 J	120 J	150 U	160 U
Isophorone	--	--	UG/KG	170 U	160 U	160 U	160 U	180 U
Naphthalene	100000	12000	UG/KG	230	180 U	25 J	180 U	100 J
Nitrobenzene	--	--	UG/KG	170 U	160 U	160 U	160 U	180 U
N-Nitrosodimethylamine	--	--	UG/KG	370 U	360 U	360 U	370 U	410 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	190 U	180 U	180 U	180 U	200 U
N-Nitrosodiphenylamine	--	--	UG/KG	150 U	150 U	140 U	150 U	160 U
Pentachlorophenol	6700	800	UG/KG	150 U	150 U	140 U	150 U	160 U
Phenanthrene	**100000**	1000000	UG/KG	3700	330	190	110 U	140
Phenol	100000	330	UG/KG	190 U	180 U	180 U	180 U	200 U
Pyrene	**100000**	1000000	UG/KG	4500	330	310	110 U	97 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B10	B11	B12	B13	B14
			Sample Date:	07/11/2018	07/09/2018	07/09/2018	07/17/2018	07/17/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
1,2,4-Trichlorobenzene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2,3,4,6-Tetrachlorophenol	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2,4,5-Trichlorophenol	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	120 U	110 U	110 U	110 U
2,4-Dichlorophenol	--	--	UG/KG	170 U	180 U	170 U	170 U	170 U
2,4-Dimethylphenol	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2,4-Dinitrophenol	--	--	UG/KG	900 U	970 U	920 U	920 U	920 U
2,4-Dinitrotoluene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2,6-Dinitrotoluene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2-Chloronaphthalene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2-Chlorophenol	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2-Methylnaphthalene	--	--	UG/KG	230 U	240 U	230 U	230 U	230 U
2-Methylphenol (O-Cresol)	100000	330	UG/KG	190 U	200 U	190 U	190 U	190 U
2-Nitroaniline	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
2-Nitrophenol	--	--	UG/KG	410 U	440 U	410 U	410 U	410 U
3- And 4- Methylphenol (Total)	100000	330	UG/KG	270 U	290 U	280 U	270 U	270 U
3,3'-Dichlorobenzidine	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
3-Nitroaniline	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	490 U	520 U	500 U	500 U	500 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
4-Chloro-3-Methylphenol	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
4-Chloroaniline	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
4-Nitroaniline	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
4-Nitrophenol	--	--	UG/KG	260 U	280 U	270 U	270 U	270 U
Acenaphthene	100000	98000	UG/KG	150 U	160 U	150 U	150 U	49 J
Acenaphthylene	100000	107000	UG/KG	150 U	160 U	150 U	150 U	150 U
Acetophenone	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Anthracene	100000	1000000	UG/KG	110 U	120 U	110 U	110 U	76 J
Atrazine	--	--	UG/KG	150 U	160 U	150 U	150 U	150 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit	Sample Designation: B10	B11	B12	B13	B14
				Sample Date: 07/11/2018	07/09/2018	07/09/2018	07/17/2018	07/17/2018
				Sample Depth (ft bls): 7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Azobenzene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Benzaldehyde	--	--	UG/KG	250 U	270 U	250 U	250 U	250 U
Benzidine	--	--	UG/KG	620 U	670 U	630 U	630 U	630 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	110 U	120 U	110 U	29 J	100 J
Benzo(A)Pyrene	**1000**	22000	UG/KG	150 U	160 U	150 U	150 U	100 J
Benzo(B)Fluoranthene	**1000**	1700	UG/KG	110 U	120 U	110 U	110 U	98 J
Benzo(G,H,I)Perylene	100000	1000000	UG/KG	150 U	160 U	150 U	150 U	45 J
Benzo(K)Fluoranthene	**3900**	1700	UG/KG	110 U	120 U	110 U	110 U	40 J
Benzoic Acid	--	--	UG/KG	610 U	650 U	620 U	620 U	620 U
Benzyl Alcohol	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Benzyl Butyl Phthalate	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Biphenyl (Diphenyl)	--	--	UG/KG	430 U	460 U	440 U	440 U	440 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	200 U	220 U	210 U	210 U	210 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	170 U	180 U	170 U	170 U	170 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	230 U	240 U	230 U	230 U	230 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Caprolactam	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Carbazole	--	--	UG/KG	190 U	200 U	190 U	190 U	22 J
Chrysene	**3900**	1000	UG/KG	110 U	120 U	110 U	20 J	93 J
Dibenz(A,H)Anthracene	**330**	1000000	UG/KG	110 U	120 U	110 U	110 U	110 U
Dibenzofuran	59000	210000	UG/KG	190 U	200 U	190 U	190 U	21 J
Diethyl Phthalate	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Dimethyl Phthalate	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Di-N-Butyl Phthalate	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Di-N-Octylphthalate	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Fluoranthene	**100000**	1000000	UG/KG	110 U	120 U	110 U	34 J	240
Fluorene	100000	386000	UG/KG	190 U	200 U	190 U	190 U	48 J
Hexachlorobenzene	1200	3200	UG/KG	110 U	120 U	110 U	110 U	110 U
Hexachlorobutadiene	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
Hexachlorocyclopentadiene	--	--	UG/KG	540 U	580 U	550 U	550 U	550 U
Hexachloroethane	--	--	UG/KG	150 U	160 U	150 U	150 U	150 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B10	B11	B12	B13	B14
			Sample Date:	07/11/2018	07/09/2018	07/09/2018	07/17/2018	07/17/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Indeno(1,2,3-C,D)Pyrene	**500**	8200	UG/KG	150 U	160 U	150 U	150 U	52 J
Isophorone	--	--	UG/KG	170 U	180 U	170 U	170 U	170 U
Naphthalene	100000	12000	UG/KG	190 U	200 U	190 U	190 U	190 U
Nitrobenzene	--	--	UG/KG	170 U	180 U	170 U	170 U	170 U
N-Nitrosodimethylamine	--	--	UG/KG	380 U	400 U	380 U	380 U	380 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	190 U	200 U	190 U	190 U	190 U
N-Nitrosodiphenylamine	--	--	UG/KG	150 U	160 U	150 U	150 U	150 U
Pentachlorophenol	6700	800	UG/KG	150 U	160 U	150 U	150 U	150 U
Phenanthrene	**100000**	1000000	UG/KG	110 U	120 U	110 U	110 U	200
Phenol	100000	330	UG/KG	190 U	200 U	190 U	190 U	190 U
Pyrene	**100000**	1000000	UG/KG	110 U	120 U	110 U	33 J	190

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B15	B16	B17	B18	B19
			Sample Date:	07/16/2018	07/16/2018	07/16/2018	07/12/2018	07/12/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
1,2,4-Trichlorobenzene	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
2,3,4,6-Tetrachlorophenol	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
2,4,5-Trichlorophenol	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	120 U	120 U	120 U	120 U
2,4-Dichlorophenol	--	--	UG/KG	170 U	170 U	180 U	180 U	180 U
2,4-Dimethylphenol	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
2,4-Dinitrophenol	--	--	UG/KG	910 U	920 U	960 U	940 U	950 U
2,4-Dinitrotoluene	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
2,6-Dinitrotoluene	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
2-Chloronaphthalene	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
2-Chlorophenol	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
2-Methylnaphthalene	--	--	UG/KG	230 U	230 U	240 U	230 U	240 U
2-Methylphenol (O-Cresol)	100000	330	UG/KG	190 U	190 U	200 U	200 U	200 U
2-Nitroaniline	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
2-Nitrophenol	--	--	UG/KG	410 U	420 U	430 U	420 U	430 U
3- And 4- Methylphenol (Total)	100000	330	UG/KG	270 U	280 U	290 U	280 U	290 U
3,3'-Dichlorobenzidine	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
3-Nitroaniline	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	490 U	500 U	520 U	510 U	520 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
4-Chloro-3-Methylphenol	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
4-Chloroaniline	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
4-Nitroaniline	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
4-Nitrophenol	--	--	UG/KG	260 U	270 U	280 U	270 U	280 U
Acenaphthene	100000	98000	UG/KG	47 J	150 U	160 U	160 U	160 U
Acenaphthylene	100000	107000	UG/KG	150 U	150 U	160 U	160 U	160 U
Acetophenone	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
Anthracene	100000	1000000	UG/KG	120	120 U	120 U	120 U	120 U
Atrazine	--	--	UG/KG	150 U	150 U	160 U	160 U	160 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B15	B16	B17	B18	B19
			Sample Date:	07/16/2018	07/16/2018	07/16/2018	07/12/2018	07/12/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Azobenzene	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
Benzaldehyde	--	--	UG/KG	250 U	250 U	260 U	260 U	260 U
Benzidine	--	--	UG/KG	630 U	630 U	660 U	640 U	660 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	200	53 J	33 J	120 U	120 U
Benzo(A)Pyrene	**1000**	22000	UG/KG	190	150 U	160 U	160 U	160 U
Benzo(B)Fluoranthene	**1000**	1700	UG/KG	200	46 J	38 J	120 U	120 U
Benzo(G,H,I)Perylene	100000	1000000	UG/KG	100 J	23 J	23 J	160 U	160 U
Benzo(K)Fluoranthene	**3900**	1700	UG/KG	110 U	120 U	120 U	120 U	120 U
Benzoic Acid	--	--	UG/KG	620 U	620 U	650 U	630 U	640 U
Benzyl Alcohol	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
Benzyl Butyl Phthalate	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
Biphenyl (Diphenyl)	--	--	UG/KG	430 U	440 U	460 U	440 U	450 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	200 U	210 U	220 U	210 U	210 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	170 U	170 U	180 U	180 U	180 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	230 U	230 U	240 U	230 U	240 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
Caprolactam	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
Carbazole	--	--	UG/KG	24 J	190 U	200 U	200 U	200 U
Chrysene	**3900**	1000	UG/KG	180	54 J	26 J	120 U	120 U
Dibenz(A,H)Anthracene	**330**	1000000	UG/KG	34 J	120 U	120 U	120 U	120 U
Dibenzofuran	59000	210000	UG/KG	27 J	190 U	200 U	200 U	200 U
Diethyl Phthalate	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
Dimethyl Phthalate	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
Di-N-Butyl Phthalate	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
Di-N-Octylphthalate	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
Fluoranthene	**100000**	1000000	UG/KG	410	65 J	47 J	120 U	120 U
Fluorene	100000	386000	UG/KG	50 J	190 U	200 U	200 U	200 U
Hexachlorobenzene	1200	3200	UG/KG	110 U	120 U	120 U	120 U	120 U
Hexachlorobutadiene	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
Hexachlorocyclopentadiene	--	--	UG/KG	540 U	550 U	570 U	560 U	570 U
Hexachloroethane	--	--	UG/KG	150 U	150 U	160 U	160 U	160 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B15	B16	B17	B18	B19
			Sample Date:	07/16/2018	07/16/2018	07/16/2018	07/12/2018	07/12/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Indeno(1,2,3-C,D)Pyrene	**500**	8200	UG/KG	110 J	150 U	160 U	160 U	160 U
Isophorone	--	--	UG/KG	170 U	170 U	180 U	180 U	180 U
Naphthalene	100000	12000	UG/KG	23 J	190 U	200 U	200 U	200 U
Nitrobenzene	--	--	UG/KG	170 U	170 U	180 U	180 U	180 U
N-Nitrosodimethylamine	--	--	UG/KG	380 U	380 U	400 U	390 U	400 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	190 U	190 U	200 U	200 U	200 U
N-Nitrosodiphenylamine	--	--	UG/KG	150 U	150 U	160 U	160 U	160 U
Pentachlorophenol	6700	800	UG/KG	150 U	150 U	160 U	160 U	160 U
Phenanthrene	**100000**	1000000	UG/KG	290	39 J	35 J	120 U	120 U
Phenol	100000	330	UG/KG	190 U	190 U	200 U	200 U	200 U
Pyrene	**100000**	1000000	UG/KG	330	74 J	42 J	120 U	120 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B2	B20	B21	B22	B23
			Sample Date:	07/17/2018	07/11/2018	07/10/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
1,2,4-Trichlorobenzene	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
2,3,4,6-Tetrachlorophenol	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
2,4,5-Trichlorophenol	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
2,4,6-Trichlorophenol	--	--	UG/KG	120 U	120 U	110 U	120 U	120 U
2,4-Dichlorophenol	--	--	UG/KG	180 U	180 U	170 U	170 U	180 U
2,4-Dimethylphenol	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
2,4-Dinitrophenol	--	--	UG/KG	950 U	950 U	910 U	930 U	970 U
2,4-Dinitrotoluene	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
2,6-Dinitrotoluene	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
2-Chloronaphthalene	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
2-Chlorophenol	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
2-Methylnaphthalene	--	--	UG/KG	24 J	240 U	230 U	230 U	240 U
2-Methylphenol (O-Cresol)	100000	330	UG/KG	200 U	200 U	190 U	190 U	200 U
2-Nitroaniline	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
2-Nitrophenol	--	--	UG/KG	430 U	430 U	410 U	420 U	440 U
3- And 4- Methylphenol (Total)	100000	330	UG/KG	31 J	280 U	270 U	280 U	290 U
3,3'-Dichlorobenzidine	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
3-Nitroaniline	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	520 U	510 U	490 U	500 U	520 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
4-Chloro-3-Methylphenol	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
4-Chloroaniline	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
4-Nitroaniline	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
4-Nitrophenol	--	--	UG/KG	280 U	280 U	260 U	270 U	280 U
Acenaphthene	100000	98000	UG/KG	67 J	160 U	150 U	150 U	160 U
Acenaphthylene	100000	107000	UG/KG	160 U	160 U	150 U	150 U	160 U
Acetophenone	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
Anthracene	100000	1000000	UG/KG	140	120 U	110 U	40 J	120 U
Atrazine	--	--	UG/KG	160 U	160 U	150 U	150 U	160 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B2	B20	B21	B22	B23
			Sample Date:	07/17/2018	07/11/2018	07/10/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Azobenzene	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
Benzaldehyde	--	--	UG/KG	260 U	260 U	250 U	260 U	270 U
Benzidine	--	--	UG/KG	660 U	650 U	620 U	640 U	670 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	620	49 J	110 U	62 J	43 J
Benzo(A)Pyrene	**1000**	22000	UG/KG	910	160 U	150 U	150 U	160 U
Benzo(B)Fluoranthene	**1000**	1700	UG/KG	970	35 J	110 U	56 J	47 J
Benzo(G,H,I)Perylene	100000	1000000	UG/KG	670	160 U	150 U	28 J	26 J
Benzo(K)Fluoranthene	**3900**	1700	UG/KG	320	120 U	110 U	120 U	120 U
Benzoic Acid	--	--	UG/KG	640 U	640 U	610 U	630 U	650 U
Benzyl Alcohol	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
Benzyl Butyl Phthalate	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
Biphenyl (Diphenyl)	--	--	UG/KG	450 U	450 U	430 U	440 U	460 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	210 U	210 U	200 U	210 U	220 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	180 U	180 U	170 U	170 U	180 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	240 U	240 U	230 U	230 U	240 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
Caprolactam	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
Carbazole	--	--	UG/KG	82 J	200 U	190 U	190 U	200 U
Chrysene	**3900**	1000	UG/KG	590	35 J	110 U	49 J	41 J
Dibenz(A,H)Anthracene	**330**	1000000	UG/KG	180	120 U	110 U	120 U	120 U
Dibenzofuran	59000	210000	UG/KG	43 J	200 U	190 U	190 U	200 U
Diethyl Phthalate	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
Dimethyl Phthalate	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
Di-N-Butyl Phthalate	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
Di-N-Octylphthalate	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
Fluoranthene	**100000**	1000000	UG/KG	640	77 J	34 J	140	100 J
Fluorene	100000	386000	UG/KG	56 J	200 U	190 U	22 J	200 U
Hexachlorobenzene	1200	3200	UG/KG	120 U	120 U	110 U	120 U	120 U
Hexachlorobutadiene	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
Hexachlorocyclopentadiene	--	--	UG/KG	570 U	560 U	540 U	550 U	580 U
Hexachloroethane	--	--	UG/KG	160 U	160 U	150 U	150 U	160 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B2	B20	B21	B22	B23
			Sample Date:	07/17/2018	07/11/2018	07/10/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Indeno(1,2,3-C,D)Pyrene	**500**	8200	UG/KG	**750**	160 U	150 U	29 J	160 U
Isophorone	--	--	UG/KG	180 U	180 U	170 U	170 U	180 U
Naphthalene	100000	12000	UG/KG	130 J	200 U	190 U	190 U	200 U
Nitrobenzene	--	--	UG/KG	180 U	180 U	170 U	170 U	180 U
N-Nitrosodimethylamine	--	--	UG/KG	400 U	400 U	380 U	390 U	400 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	200 U	200 U	190 U	190 U	200 U
N-Nitrosodiphenylamine	--	--	UG/KG	160 U	160 U	150 U	150 U	160 U
Pentachlorophenol	6700	800	UG/KG	160 U	160 U	150 U	150 U	160 U
Phenanthrene	**100000**	1000000	UG/KG	450	25 J	35 J	140	60 J
Phenol	100000	330	UG/KG	200 U	200 U	190 U	190 U	200 U
Pyrene	**100000**	1000000	UG/KG	550	92 J	29 J	120	90 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B24	B3	B4	B5	B6
			Sample Date:	07/10/2018	07/13/2018	07/13/2018	07/13/2018	07/12/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
1,2,4-Trichlorobenzene	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
2,3,4,6-Tetrachlorophenol	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
2,4,5-Trichlorophenol	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
2,4,6-Trichlorophenol	--	--	UG/KG	120 U	150 U	130 U	120 U	110 U
2,4-Dichlorophenol	--	--	UG/KG	180 U	220 U	200 U	170 U	170 U
2,4-Dimethylphenol	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
2,4-Dinitrophenol	--	--	UG/KG	960 U	1200 U	1100 U	920 U	920 U
2,4-Dinitrotoluene	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
2,6-Dinitrotoluene	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
2-Chloronaphthalene	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
2-Chlorophenol	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
2-Methylnaphthalene	--	--	UG/KG	240 U	300 U	270 U	230 U	230 U
2-Methylphenol (O-Cresol)	100000	330	UG/KG	200 U	250 U	220 U	190 U	190 U
2-Nitroaniline	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
2-Nitrophenol	--	--	UG/KG	430 U	540 U	480 U	420 U	410 U
3- And 4- Methylphenol (Total)	100000	330	UG/KG	290 U	360 U	320 U	280 U	280 U
3,3'-Dichlorobenzidine	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
3-Nitroaniline	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	520 U	650 U	580 U	500 U	500 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
4-Chloro-3-Methylphenol	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
4-Chloroaniline	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
4-Nitroaniline	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
4-Nitrophenol	--	--	UG/KG	280 U	350 U	310 U	270 U	270 U
Acenaphthene	100000	98000	UG/KG	160 U	200 U	25 J	100 J	68 J
Acenaphthylene	100000	107000	UG/KG	160 U	200 U	180 U	150 U	65 J
Acetophenone	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
Anthracene	100000	1000000	UG/KG	120 U	150 U	71 J	280	500
Atrazine	--	--	UG/KG	160 U	200 U	180 U	150 U	150 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B24	B3	B4	B5	B6
			Sample Date:	07/10/2018	07/13/2018	07/13/2018	07/13/2018	07/12/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Azobenzene	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
Benzaldehyde	--	--	UG/KG	260 U	330 U	290 U	250 U	250 U
Benzidine	--	--	UG/KG	660 U	820 U	740 U	640 U	630 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	120 U	130 J	150	670	**1400**
Benzo(A)Pyrene	**1000**	22000	UG/KG	160 U	130 J	160 J	680	**1100**
Benzo(B)Fluoranthene	**1000**	1700	UG/KG	120 U	150	180	810	**1300**
Benzo(G,H,I)Perylene	100000	1000000	UG/KG	160 U	63 J	90 J	280	430
Benzo(K)Fluoranthene	**3900**	1700	UG/KG	120 U	49 J	63 J	240	490
Benzoic Acid	--	--	UG/KG	650 U	810 U	720 U	620 U	620 U
Benzyl Alcohol	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
Benzyl Butyl Phthalate	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
Biphenyl (Diphenyl)	--	--	UG/KG	460 U	570 U	510 U	440 U	440 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	220 U	270 U	240 U	210 U	210 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	180 U	220 U	200 U	170 U	170 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	240 U	300 U	270 U	230 U	230 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
Caprolactam	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
Carbazole	--	--	UG/KG	200 U	250 U	30 J	100 J	73 J
Chrysene	**3900**	1000	UG/KG	120 U	120 J	130	580	1200
Dibenz(A,H)Anthracene	**330**	1000000	UG/KG	120 U	150 U	130 U	87 J	150
Dibenzofuran	59000	210000	UG/KG	200 U	250 U	220 U	55 J	46 J
Diethyl Phthalate	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
Dimethyl Phthalate	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
Di-N-Butyl Phthalate	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
Di-N-Octylphthalate	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
Fluoranthene	**100000**	1000000	UG/KG	120 U	220	280	1200	2500
Fluorene	100000	386000	UG/KG	200 U	250 U	29 J	120 J	120 J
Hexachlorobenzene	1200	3200	UG/KG	120 U	150 U	130 U	120 U	110 U
Hexachlorobutadiene	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
Hexachlorocyclopentadiene	--	--	UG/KG	570 U	710 U	640 U	550 U	550 U
Hexachloroethane	--	--	UG/KG	160 U	200 U	180 U	150 U	150 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B24	B3	B4	B5	B6
			Sample Date:	07/10/2018	07/13/2018	07/13/2018	07/13/2018	07/12/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Indeno(1,2,3-C,D)Pyrene	**500**	8200	UG/KG	160 U	69 J	97 J	340	**520**
Isophorone	--	--	UG/KG	180 U	220 U	200 U	170 U	170 U
Naphthalene	100000	12000	UG/KG	200 U	33 J	220 U	50 J	53 J
Nitrobenzene	--	--	UG/KG	180 U	220 U	200 U	170 U	170 U
N-Nitrosodimethylamine	--	--	UG/KG	400 U	500 U	440 U	380 U	380 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	200 U	250 U	220 U	190 U	190 U
N-Nitrosodiphenylamine	--	--	UG/KG	160 U	200 U	180 U	150 U	150 U
Pentachlorophenol	6700	800	UG/KG	160 U	200 U	180 U	150 U	150 U
Phenanthrene	**100000**	1000000	UG/KG	120 U	130 J	200	810	950
Phenol	100000	330	UG/KG	200 U	250 U	220 U	190 U	190 U
Pyrene	**100000**	1000000	UG/KG	120 U	210	240	1000	2200

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B7	B8	B9	C1	C10
			Sample Date:	07/12/2018	07/12/2018	07/11/2018	07/17/2018	07/11/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
1,2,4-Trichlorobenzene	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
2,3,4,6-Tetrachlorophenol	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
2,4,5-Trichlorophenol	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	110 U	110 U	180 U	120 U
2,4-Dichlorophenol	--	--	UG/KG	170 U	170 U	170 U	270 U	180 U
2,4-Dimethylphenol	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
2,4-Dinitrophenol	--	--	UG/KG	900 U	910 U	920 U	1400 U	990 U
2,4-Dinitrotoluene	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
2,6-Dinitrotoluene	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
2-Chloronaphthalene	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
2-Chlorophenol	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
2-Methylnaphthalene	--	--	UG/KG	220 U	230 U	230 U	300 J	250 U
2-Methylphenol (O-Cresol)	100000	330	UG/KG	190 U	190 U	190 U	300 U	210 U
2-Nitroaniline	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
2-Nitrophenol	--	--	UG/KG	400 U	410 U	410 U	640 U	440 U
3- And 4- Methylphenol (Total)	100000	330	UG/KG	270 U	270 U	270 U	100 J	300 U
3,3'-Dichlorobenzidine	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
3-Nitroaniline	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	490 U	490 U	500 U	770 U	540 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
4-Chloro-3-Methylphenol	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
4-Chloroaniline	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
4-Nitroaniline	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
4-Nitrophenol	--	--	UG/KG	260 U	270 U	270 U	420 U	290 U
Acenaphthene	100000	98000	UG/KG	150 U	150 U	150 U	180 J	160 U
Acenaphthylene	100000	107000	UG/KG	150 U	150 U	150 U	240 U	160 U
Acetophenone	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
Anthracene	100000	1000000	UG/KG	110 U	120	110 U	280	94 J
Atrazine	--	--	UG/KG	150 U	150 U	150 U	240 U	160 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B7	B8	B9	C1	C10
			Sample Date:	07/12/2018	07/12/2018	07/11/2018	07/17/2018	07/11/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Azobenzene	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
Benzaldehyde	--	--	UG/KG	250 U	250 U	250 U	390 U	270 U
Benzidine	--	--	UG/KG	620 U	630 U	630 U	980 U	680 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	23 J	210	110 U	170 J	390
Benzo(A)Pyrene	**1000**	22000	UG/KG	150 U	150	150 U	150 J	320
Benzo(B)Fluoranthene	**1000**	1700	UG/KG	110 U	170	110 U	180	340
Benzo(G,H,I)Perylene	100000	1000000	UG/KG	150 U	56 J	150 U	77 J	150 J
Benzo(K)Fluoranthene	**3900**	1700	UG/KG	110 U	53 J	110 U	61 J	130
Benzoic Acid	--	--	UG/KG	600 U	620 U	620 U	960 U	670 U
Benzyl Alcohol	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
Benzyl Butyl Phthalate	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
Biphenyl (Diphenyl)	--	--	UG/KG	430 U	430 U	440 U	91 J	470 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	200 U	200 U	210 U	320 U	220 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	170 U	170 U	170 U	270 U	180 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	220 U	230 U	230 U	360 U	250 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
Caprolactam	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
Carbazole	--	--	UG/KG	190 U	190 U	190 U	140 J	210 U
Chrysene	**3900**	1000	UG/KG	110 U	180	110 U	160 J	350
Dibenz(A,H)Anthracene	**330**	1000000	UG/KG	110 U	22 J	110 U	180 U	43 J
Dibenzofuran	59000	210000	UG/KG	190 U	24 J	190 U	200 J	210 U
Diethyl Phthalate	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
Dimethyl Phthalate	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
Di-N-Butyl Phthalate	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
Di-N-Octylphthalate	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
Fluoranthene	**100000**	1000000	UG/KG	23 J	400	110 U	430	730
Fluorene	100000	386000	UG/KG	190 U	66 J	190 U	340	210 U
Hexachlorobenzene	1200	3200	UG/KG	110 U	110 U	110 U	180 U	120 U
Hexachlorobutadiene	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
Hexachlorocyclopentadiene	--	--	UG/KG	530 U	540 U	540 U	850 U	590 U
Hexachloroethane	--	--	UG/KG	150 U	150 U	150 U	240 U	160 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B7	B8	B9	C1	C10
			Sample Date:	07/12/2018	07/12/2018	07/11/2018	07/17/2018	07/11/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Indeno(1,2,3-C,D)Pyrene	**500**	8200	UG/KG	150 U	59 J	150 U	80 J	150 J
Isophorone	--	--	UG/KG	170 U	170 U	170 U	270 U	180 U
Naphthalene	100000	12000	UG/KG	190 U	190 U	190 U	440	210 U
Nitrobenzene	--	--	UG/KG	170 U	170 U	170 U	270 U	180 U
N-Nitrosodimethylamine	--	--	UG/KG	370 U	380 U	380 U	590 U	410 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	190 U	190 U	190 U	300 U	210 U
N-Nitrosodiphenylamine	--	--	UG/KG	150 U	150 U	150 U	240 U	160 U
Pentachlorophenol	6700	800	UG/KG	150 U	150 U	150 U	240 U	160 U
Phenanthrene	**100000**	1000000	UG/KG	110 U	320	110 U	930	140
Phenol	100000	330	UG/KG	190 U	190 U	190 U	50 J	210 U
Pyrene	**100000**	1000000	UG/KG	24 J	420	110 U	390	810

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C11	C12	C2	C3	C4
			Sample Date:	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/12/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
1,2,4-Trichlorobenzene	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
2,3,4,6-Tetrachlorophenol	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
2,4,5-Trichlorophenol	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
2,4,6-Trichlorophenol	--	--	UG/KG	120 U	120 U	150 U	130 U	120 U
2,4-Dichlorophenol	--	--	UG/KG	180 U	180 U	220 U	190 U	190 U
2,4-Dimethylphenol	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
2,4-Dinitrophenol	--	--	UG/KG	960 U	980 U	1200 U	1000 U	1000 U
2,4-Dinitrotoluene	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
2,6-Dinitrotoluene	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
2-Chloronaphthalene	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
2-Chlorophenol	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
2-Methylnaphthalene	--	--	UG/KG	240 U	240 U	300 U	250 U	250 U
2-Methylphenol (O-Cresol)	100000	330	UG/KG	200 U	200 U	250 U	210 U	210 U
2-Nitroaniline	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
2-Nitrophenol	--	--	UG/KG	430 U	440 U	530 U	460 U	450 U
3- And 4- Methylphenol (Total)	100000	330	UG/KG	290 U	290 U	360 U	300 U	300 U
3,3'-Dichlorobenzidine	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
3-Nitroaniline	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	520 U	530 U	640 U	550 U	540 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
4-Chloro-3-Methylphenol	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
4-Chloroaniline	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
4-Nitroaniline	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
4-Nitrophenol	--	--	UG/KG	280 U	280 U	340 U	300 U	290 U
Acenaphthene	100000	98000	UG/KG	160 U	160 U	200 U	170 U	170 U
Acenaphthylene	100000	107000	UG/KG	160 U	160 U	200 U	170 U	170 U
Acetophenone	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
Anthracene	100000	1000000	UG/KG	120 U	110 J	150 U	130 U	120 U
Atrazine	--	--	UG/KG	160 U	160 U	200 U	170 U	170 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C11	C12	C2	C3	C4
			Sample Date:	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/12/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Azobenzene	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
Benzaldehyde	--	--	UG/KG	260 U	270 U	330 U	280 U	280 U
Benzidine	--	--	UG/KG	660 U	670 U	820 U	700 U	690 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	120 U	340	29 J	76 J	120 U
Benzo(A)Pyrene	**1000**	22000	UG/KG	160 U	330	200 U	100 J	170 U
Benzo(B)Fluoranthene	**1000**	1700	UG/KG	120 U	430	150 U	110 J	120 U
Benzo(G,H,I)Perylene	100000	1000000	UG/KG	160 U	220	200 U	54 J	170 U
Benzo(K)Fluoranthene	**3900**	1700	UG/KG	120 U	150	150 U	42 J	120 U
Benzoic Acid	--	--	UG/KG	640 U	660 U	800 U	690 U	680 U
Benzyl Alcohol	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
Benzyl Butyl Phthalate	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
Biphenyl (Diphenyl)	--	--	UG/KG	450 U	460 U	560 U	480 U	480 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	220 U	220 U	270 U	230 U	230 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	180 U	180 U	220 U	190 U	190 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	240 U	240 U	300 U	250 U	250 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
Caprolactam	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
Carbazole	--	--	UG/KG	200 U	49 J	250 U	210 U	210 U
Chrysene	**3900**	1000	UG/KG	120 U	350	26 J	72 J	120 U
Dibenz(A,H)Anthracene	**330**	1000000	UG/KG	120 U	55 J	150 U	130 U	120 U
Dibenzofuran	59000	210000	UG/KG	200 U	30 J	250 U	210 U	210 U
Diethyl Phthalate	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
Dimethyl Phthalate	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
Di-N-Butyl Phthalate	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
Di-N-Octylphthalate	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
Fluoranthene	**100000**	1000000	UG/KG	120 U	820	52 J	100 J	120 U
Fluorene	100000	386000	UG/KG	200 U	44 J	250 U	210 U	210 U
Hexachlorobenzene	1200	3200	UG/KG	120 U	120 U	150 U	130 U	120 U
Hexachlorobutadiene	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
Hexachlorocyclopentadiene	--	--	UG/KG	570 U	580 U	710 U	610 U	600 U
Hexachloroethane	--	--	UG/KG	160 U	160 U	200 U	170 U	170 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C11	C12	C2	C3	C4
			Sample Date:	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/12/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Indeno(1,2,3-C,D)Pyrene	**500**	8200	UG/KG	160 U	220	200 U	66 J	170 U
Isophorone	--	--	UG/KG	180 U	180 U	220 U	190 U	190 U
Naphthalene	100000	12000	UG/KG	200 U	40 J	250 U	210 U	210 U
Nitrobenzene	--	--	UG/KG	180 U	180 U	220 U	190 U	190 U
N-Nitrosodimethylamine	--	--	UG/KG	400 U	410 U	490 U	420 U	420 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	200 U	200 U	250 U	210 U	210 U
N-Nitrosodiphenylamine	--	--	UG/KG	160 U	160 U	200 U	170 U	170 U
Pentachlorophenol	6700	800	UG/KG	160 U	160 U	200 U	170 U	170 U
Phenanthrene	**100000**	1000000	UG/KG	120 U	460	150 U	45 J	120 U
Phenol	100000	330	UG/KG	200 U	200 U	250 U	210 U	210 U
Pyrene	**100000**	1000000	UG/KG	120 U	760	44 J	99 J	120 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C5	C6	C7	C8	C9
			Sample Date:	07/11/2018	07/09/2018	07/17/2018	07/16/2018	07/16/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
1,2,4-Trichlorobenzene	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
2,3,4,6-Tetrachlorophenol	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
2,4,5-Trichlorophenol	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	120 U	130 U	120 U	120 U
2,4-Dichlorophenol	--	--	UG/KG	170 U	170 U	190 U	180 U	180 U
2,4-Dimethylphenol	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
2,4-Dinitrophenol	--	--	UG/KG	920 U	920 U	1000 U	960 U	960 U
2,4-Dinitrotoluene	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
2,6-Dinitrotoluene	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
2-Chloronaphthalene	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
2-Chlorophenol	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
2-Methylnaphthalene	--	--	UG/KG	230 U	230 U	53 J	240 U	240 U
2-Methylphenol (O-Cresol)	100000	330	UG/KG	190 U	190 U	220 U	200 U	200 U
2-Nitroaniline	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
2-Nitrophenol	--	--	UG/KG	410 U	420 U	460 U	430 U	430 U
3- And 4- Methylphenol (Total)	100000	330	UG/KG	280 U	280 U	54 J	290 U	290 U
3,3'-Dichlorobenzidine	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
3-Nitroaniline	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	500 U	500 U	560 U	520 U	520 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
4-Chloro-3-Methylphenol	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
4-Chloroaniline	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
4-Nitroaniline	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
4-Nitrophenol	--	--	UG/KG	270 U	270 U	300 U	280 U	280 U
Acenaphthene	100000	98000	UG/KG	150 U	150 U	51 J	160 U	160 U
Acenaphthylene	100000	107000	UG/KG	150 U	150 U	170 U	160 U	160 U
Acetophenone	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
Anthracene	100000	1000000	UG/KG	110 U	120 U	130	120 U	120 U
Atrazine	--	--	UG/KG	150 U	150 U	170 U	160 U	160 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C5	C6	C7	C8	C9
			Sample Date:	07/11/2018	07/09/2018	07/17/2018	07/16/2018	07/16/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Azobenzene	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
Benzaldehyde	--	--	UG/KG	250 U	250 U	280 U	260 U	260 U
Benzidine	--	--	UG/KG	630 U	630 U	710 U	660 U	660 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	110 U	120 U	250	31 J	30 J
Benzo(A)Pyrene	**1000**	22000	UG/KG	150 U	150 U	240	160 U	160 U
Benzo(B)Fluoranthene	**1000**	1700	UG/KG	110 U	120 U	260	120 U	120 U
Benzo(G,H,I)Perylene	100000	1000000	UG/KG	150 U	150 U	110 J	160 U	160 U
Benzo(K)Fluoranthene	**3900**	1700	UG/KG	110 U	120 U	95 J	120 U	120 U
Benzoic Acid	--	--	UG/KG	620 U	620 U	700 U	640 U	640 U
Benzyl Alcohol	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
Benzyl Butyl Phthalate	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
Biphenyl (Diphenyl)	--	--	UG/KG	440 U	440 U	490 U	450 U	450 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	210 U	210 U	230 U	220 U	220 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	170 U	170 U	190 U	180 U	180 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	230 U	230 U	260 U	240 U	240 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
Caprolactam	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
Carbazole	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
Chrysene	**3900**	1000	UG/KG	110 U	120 U	240	24 J	24 J
Dibenz(A,H)Anthracene	**330**	1000000	UG/KG	110 U	120 U	37 J	120 U	120 U
Dibenzofuran	59000	210000	UG/KG	190 U	190 U	54 J	200 U	200 U
Diethyl Phthalate	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
Dimethyl Phthalate	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
Di-N-Butyl Phthalate	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
Di-N-Octylphthalate	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
Fluoranthene	**100000**	1000000	UG/KG	110 U	120 U	400	58 J	37 J
Fluorene	100000	386000	UG/KG	190 U	190 U	79 J	200 U	200 U
Hexachlorobenzene	1200	3200	UG/KG	110 U	120 U	130 U	120 U	120 U
Hexachlorobutadiene	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
Hexachlorocyclopentadiene	--	--	UG/KG	550 U	550 U	620 U	570 U	570 U
Hexachloroethane	--	--	UG/KG	150 U	150 U	170 U	160 U	160 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C5	C6	C7	C8	C9
			Sample Date:	07/11/2018	07/09/2018	07/17/2018	07/16/2018	07/16/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Indeno(1,2,3-C,D)Pyrene	**500**	8200	UG/KG	150 U	150 U	120 J	160 U	160 U
Isophorone	--	--	UG/KG	170 U	170 U	190 U	180 U	180 U
Naphthalene	100000	12000	UG/KG	190 U	190 U	120 J	200 U	200 U
Nitrobenzene	--	--	UG/KG	170 U	170 U	190 U	180 U	180 U
N-Nitrosodimethylamine	--	--	UG/KG	380 U	380 U	430 U	400 U	400 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	190 U	190 U	220 U	200 U	200 U
N-Nitrosodiphenylamine	--	--	UG/KG	150 U	150 U	170 U	160 U	160 U
Pentachlorophenol	6700	800	UG/KG	150 U	150 U	170 U	160 U	160 U
Phenanthrene	**100000**	1000000	UG/KG	110 U	120 U	260	52 J	120 U
Phenol	100000	330	UG/KG	190 U	190 U	220 U	200 U	200 U
Pyrene	**100000**	1000000	UG/KG	110 U	120 U	380	49 J	39 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	WFWC1	WFWC2	WFWC3	WFWC4	WFWC5
			Sample Date:	07/18/2018	07/18/2018	07/19/2018	07/19/2018	07/19/2018
			Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 10	0 - 11
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
1,2,4-Trichlorobenzene	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
2,3,4,6-Tetrachlorophenol	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
2,4,5-Trichlorophenol	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
2,4,6-Trichlorophenol	--	--	UG/KG	120 U	110 U	120 U	110 U	130 U
2,4-Dichlorophenol	--	--	UG/KG	170 U	160 U	180 U	160 U	190 U
2,4-Dimethylphenol	--	--	UG/KG	190 U	670	200 U	380	210 U
2,4-Dinitrophenol	--	--	UG/KG	930 U	850 U	960 U	860 U	1000 U
2,4-Dinitrotoluene	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
2,6-Dinitrotoluene	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
2-Chloronaphthalene	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
2-Chlorophenol	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
2-Methylnaphthalene	--	--	UG/KG	66 J	18000	40 J	5400	130 J
2-Methylphenol (O-Cresol)	100000	330	UG/KG	190 U	560	200 U	270	210 U
2-Nitroaniline	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
2-Nitrophenol	--	--	UG/KG	420 U	380 U	430 U	390 U	460 U
3- And 4- Methylphenol (Total)	100000	330	UG/KG	41 J	1600	290 U	840	310 U
3,3'-Dichlorobenzidine	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
3-Nitroaniline	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	500 U	460 U	520 U	470 U	560 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
4-Chloro-3-Methylphenol	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
4-Chloroaniline	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
4-Nitroaniline	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
4-Nitrophenol	--	--	UG/KG	270 U	250 U	280 U	250 U	300 U
Acenaphthene	100000	98000	UG/KG	150	28000	21 J	11000	370
Acenaphthylene	100000	107000	UG/KG	97 J	2800	160 U	2600	110 J
Acetophenone	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
Anthracene	100000	1000000	UG/KG	310	64000	59 J	23000	810
Atrazine	--	--	UG/KG	150 U	140 U	160 U	140 U	170 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	WFWC1	WFWC2	WFWC3	WFWC4	WFWC5
			Sample Date:	07/18/2018	07/18/2018	07/19/2018	07/19/2018	07/19/2018
			Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 10	0 - 11
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Azobenzene	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
Benzaldehyde	--	--	UG/KG	130 J	230 U	260 U	240 U	280 U
Benzidine	--	--	UG/KG	640 U	590 U	660 U	590 U	700 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	850	**70000**	230	**22000**	**1700**
Benzo(A)Pyrene	**1000**	22000	UG/KG	750	**58000**	210	**18000**	**1600**
Benzo(B)Fluoranthene	**1000**	1700	UG/KG	950	**72000**	270	**20000**	**2000**
Benzo(G,H,I)Perylene	100000	1000000	UG/KG	420	34000	130 J	6900	900
Benzo(K)Fluoranthene	**3900**	1700	UG/KG	340	**6300**	93 J	**4000**	640
Benzoic Acid	--	--	UG/KG	630 U	580 U	650 U	580 U	690 U
Benzyl Alcohol	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
Benzyl Butyl Phthalate	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
Biphenyl (Diphenyl)	--	--	UG/KG	440 U	4600	460 U	1600	490 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	210 U	190 U	220 U	190 U	230 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	170 U	160 U	180 U	160 U	190 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	230 U	210 U	240 U	220 U	260 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
Caprolactam	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
Carbazole	--	--	UG/KG	110 J	26000	20 J	180 U	290
Chrysene	**3900**	1000	UG/KG	810	**61000**	230	**20000**	1600
Dibenz(A,H)Anthracene	**330**	1000000	UG/KG	110 J	**7400**	34 J	**3300**	250
Dibenzofuran	59000	210000	UG/KG	90 J	28000	22 J	9500	240
Diethyl Phthalate	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
Dimethyl Phthalate	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
Di-N-Butyl Phthalate	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
Di-N-Octylphthalate	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
Fluoranthene	**100000**	1000000	UG/KG	1900	**190000**	400	56000	3600
Fluorene	100000	386000	UG/KG	130 J	36000	200 U	14000	320
Hexachlorobenzene	1200	3200	UG/KG	120 U	110 U	120 U	110 U	130 U
Hexachlorobutadiene	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
Hexachlorocyclopentadiene	--	--	UG/KG	550 U	510 U	570 U	510 U	610 U
Hexachloroethane	--	--	UG/KG	150 U	140 U	160 U	140 U	170 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	WFWC1	WFWC2	WFWC3	WFWC4	WFWC5
			Sample Date:	07/18/2018	07/18/2018	07/19/2018	07/19/2018	07/19/2018
			Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 10	0 - 11
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Indeno(1,2,3-C,D)Pyrene	**500**	8200	UG/KG	460	**36000**	140 J	**8600**	**1100**
Isophorone	--	--	UG/KG	170 U	160 U	180 U	160 U	190 U
Naphthalene	100000	12000	UG/KG	160 J	48000	65 J	9400	260
Nitrobenzene	--	--	UG/KG	170 U	160 U	180 U	160 U	190 U
N-Nitrosodimethylamine	--	--	UG/KG	390 U	360 U	400 U	360 U	430 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	190 U	180 U	200 U	180 U	210 U
N-Nitrosodiphenylamine	--	--	UG/KG	150 U	140 U	160 U	140 U	170 U
Pentachlorophenol	6700	800	UG/KG	150 U	140 U	160 U	140 U	170 U
Phenanthrene	**100000**	1000000	UG/KG	1300	**250000**	260	68000	3200
Phenol	100000	330	UG/KG	190 U	650	200 U	380	210 U
Pyrene	**100000**	1000000	UG/KG	1600	**160000**	360	45000	3000

Table 4. Summary of Metals in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A1	A10	A11	A12	A13	A14
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	MG/KG	5230	8140	7000	7980	5090	4460
Antimony	--	--	MG/KG	1.68 J	4.3 U	4.71 U	4.52 U	4.3 U	4.17 U
Arsenic	**16**	16	MG/KG	6.01	2.98	3.13	7.1	3.2	2.87
Barium	400	820	MG/KG	59.6	38.5	36.4	17.2	54.6	78.6
Beryllium	72	47	MG/KG	0.779	0.327 J	0.292 J	0.262 J	0.18 J	0.167 J
Cadmium	4.3	7.5	MG/KG	1.86	0.284 J	0.556 J	0.352 J	0.455 J	0.292 J
Calcium	--	--	MG/KG	2920	1050	692	2800	2130	2610
Chromium, Hexavalent	110	19	MG/KG	0.875 U	0.915 U	0.369 J	2.79	0.891 U	0.88 U
Chromium, Total	**180**	--	MG/KG	14	11	11.9	13.8	14.2	9.49
Cobalt	--	--	MG/KG	10.7	7.77	4.41	5.55	4.74	4.72
Copper	270	1720	MG/KG	62.8	23.4	17.6	10.4	20.2	17.3
Cyanide	27	40	MG/KG	1 U	1.1 U	1.2 U	1.1 U	1 U	1 U
Iron	--	--	MG/KG	65800	17500	22200	12800	11500	11300
Lead	**400**	450	MG/KG	88.3	15.4	10.6	7.24	165	129
Magnesium	--	--	MG/KG	1910	2460	1970	2920	1950	1460
Manganese	2000	2000	MG/KG	654	407	194	279	224	237
Mercury	**0.81**	0.73	MG/KG	0.077	0.046 J	0.056 J	0.02 J	0.25	0.274
Nickel	310	130	MG/KG	13.4	12.6	9.68	11.2	9.55	9.02
Potassium	--	--	MG/KG	672	515	529	464	632	631
Selenium	180	4	MG/KG	0.805 J	0.697 J	0.434 J	0.325 J	0.799 J	0.908 J
Silver	180	8.3	MG/KG	0.856 U	0.86 U	0.943 U	0.904 U	0.859 U	0.833 U
Sodium	--	--	MG/KG	338	81.6 J	44.8 J	63.2 J	366	303
Thallium	--	--	MG/KG	1.71 U	1.72 U	1.88 U	1.81 U	1.72 U	1.67 U
Vanadium	--	--	MG/KG	31.1	17	17.2	14	16.3	13.8
Zinc	10000	2480	MG/KG	64.9	62.6	41.9	37.5	256	103

Table 4. Summary of Metals in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A15	A16	A17	A18	A19	A2
			Sample Date:	07/16/2018	07/16/2018	07/16/2018	07/12/2018	07/12/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	MG/KG	7340	5570	5980	6050	5690	4600
Antimony	--	--	MG/KG	4.46 U	2.26 U	0.311 J	4.41 U	0.501 J	1.01 J
Arsenic	**16**	16	MG/KG	4.58	3.86	2.2	1.92	7.78	3.08
Barium	400	820	MG/KG	50.9	38	46.5	42.3	50.1	128
Beryllium	72	47	MG/KG	0.241 J	0.199 J	0.239	0.265 J	0.281 J	0.26 J
Cadmium	4.3	7.5	MG/KG	0.339 J	0.217 J	0.207 J	0.203 J	0.413 J	0.705 J
Calcium	--	--	MG/KG	4000	2150	2430	1910	3340	2530
Chromium, Hexavalent	110	19	MG/KG	0.937 U	0.941 U	0.918 U	0.891 U	0.904 U	0.962 U
Chromium, Total	**180**	--	MG/KG	13.4	11.5	12.8	14	12	13.3
Cobalt	--	--	MG/KG	7.38	5.2	5.04	4.99	6	4.81
Copper	270	1720	MG/KG	90	17	22.6	15.6	63.6	33
Cyanide	27	40	MG/KG	1.1 U	1.1 U	0.36 J	0.93 J	0.6 J	1.2 U
Iron	--	--	MG/KG	14400	10500	12400	16400	16200	15500
Lead	**400**	450	MG/KG	76.3	32.9	33.6	20.6	69.1	260
Magnesium	--	--	MG/KG	2340	2070	2390	1810	1870	1650
Manganese	2000	2000	MG/KG	148	284	249	234	431	343
Mercury	**0.81**	0.73	MG/KG	0.182	0.176	0.141	0.04 J	0.551	0.427
Nickel	310	130	MG/KG	17.9	10.2	9.71	9.02	10	10.4
Potassium	--	--	MG/KG	1000	1040	748	1090	741	802
Selenium	180	4	MG/KG	1.22 J	0.52 J	0.757 J	0.653 J	1.74 J	0.529 J
Silver	180	8.3	MG/KG	0.892 U	0.452 U	0.45 U	0.882 U	0.879 U	0.928 U
Sodium	--	--	MG/KG	379	179	184	276	234	274
Thallium	--	--	MG/KG	1.78 U	0.905 U	0.901 U	1.76 U	1.76 U	1.86 U
Vanadium	--	--	MG/KG	20.2	17.4	17.8	22.8	18.1	18.4
Zinc	10000	2480	MG/KG	150	44.2	43.6	33.3	103	94.1

Table 4. Summary of Metals in Soil, Java Street Development, Greenpoint, New York

				Sample Designation:	A20	A21	A22	A23	A24	A3
				Sample Date:	07/11/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018	07/13/2018
				Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit							
Aluminum	--	--	MG/KG		6880	8480	8500	3550	8890	5490
Antimony	--	--	MG/KG		1.28 J	4.48 U	4.42 U	0.507 J	4.61 U	4.31 U
Arsenic	**16**	16	MG/KG		5.98	3.41	2.44	4.24	3.05	5
Barium	400	820	MG/KG		52.1	27.2	34.2	25.2	43.2	86.2
Beryllium	72	47	MG/KG		0.224 J	0.278 J	0.31 J	0.218 J	0.36 J	0.319 J
Cadmium	4.3	7.5	MG/KG		0.286 J	0.188 J	0.194 J	0.716 J	0.406 J	1.21
Calcium	--	--	MG/KG		4940	668	731	700	673	2740
Chromium, Hexavalent	110	19	MG/KG		0.92 U	0.948 U	0.898 U	0.924 U	0.96 U	0.913 U
Chromium, Total	**180**	--	MG/KG		13.6	12	12.4	**194**	12	14.3
Cobalt	--	--	MG/KG		5.23	5.34	5.83	3.58	9.12	5.74
Copper	270	1720	MG/KG		24.5	11.8	8.32	45	11	48.8
Cyanide	27	40	MG/KG		0.32 J	1.2 U	1.1 U	0.26 J	1.1 U	0.39 J
Iron	--	--	MG/KG		13700	16500	15900	14100	16200	16100
Lead	**400**	450	MG/KG		63.7	11.7	8.46	62.6	7.22	182
Magnesium	--	--	MG/KG		2420	2430	2380	706	2450	1680
Manganese	2000	2000	MG/KG		271	363	327	181	666	259
Mercury	**0.81**	0.73	MG/KG		0.137	0.041 J	0.028 J	0.132	0.026 J	0.614
Nickel	310	130	MG/KG		10	10.7	12	4.34	12.5	11.7
Potassium	--	--	MG/KG		833	557	543	209 J	486	895
Selenium	180	4	MG/KG		0.815 J	0.519 J	0.575 J	1.1 J	0.406 J	0.681 J
Silver	180	8.3	MG/KG		0.896 U	0.896 U	0.884 U	0.873 U	0.923 U	0.862 U
Sodium	--	--	MG/KG		265	87.3 J	72.9 J	49.9 J	44.9 J	294
Thallium	--	--	MG/KG		1.79 U	1.79 U	1.77 U	1.75 U	0.701 J	1.72 U
Vanadium	--	--	MG/KG		16.9	15.8	16.5	9.8	15.4	19.3
Zinc	10000	2480	MG/KG		73.8	29.9	32.9	186	45.6	265

Table 4. Summary of Metals in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A4	A5	A6	A7	A8	A9
			Sample Date:	07/13/2018	07/13/2018	07/12/2018	07/12/2018	07/12/2018	07/11/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	MG/KG	8800	5630	9980	6950	5490	6380
Antimony	--	--	MG/KG	0.42 J	0.334 J	4.46 U	4.31 U	4.25 U	4.39 U
Arsenic	**16**	16	MG/KG	6.25	2.42	1.96	2.23	3.56	2.94
Barium	400	820	MG/KG	99.3	46.2	45.7	35.6	42.9	30.9
Beryllium	72	47	MG/KG	0.429 J	0.274 J	0.295 J	0.353 J	0.306 J	0.316 J
Cadmium	4.3	7.5	MG/KG	0.751 J	0.146 J	0.179 J	0.19 J	0.34 J	0.369 J
Calcium	--	--	MG/KG	10000	1330	690	1940	1540	837
Chromium, Hexavalent	110	19	MG/KG	0.926 U	0.903 U	0.901 U	0.885 U	0.219 J	0.36 J
Chromium, Total	**180**	--	MG/KG	19.6	9.16	16	11.1	10.8	9.88
Cobalt	--	--	MG/KG	10.6	4.74	4.12	4.74	4.47	5.95
Copper	270	1720	MG/KG	37.7	9.67	78.1	14.4	16.3	13.8
Cyanide	27	40	MG/KG	1.1 U	1	1.1 U	1 U	0.3 J	1.1 U
Iron	--	--	MG/KG	19200	11400	14600	13800	13500	14000
Lead	**400**	450	MG/KG	**442**	56.2	40.7	60.7	46.6	6.57
Magnesium	--	--	MG/KG	4730	1650	2440	2300	2050	2600
Manganese	2000	2000	MG/KG	636	282	96.3	199	111	389
Mercury	**0.81**	0.73	MG/KG	0.518	0.105	0.054 J	0.128	0.1	0.03 J
Nickel	310	130	MG/KG	20.8	9.17	12.9	13	10.9	13
Potassium	--	--	MG/KG	2040	528	811	668	721	573
Selenium	180	4	MG/KG	1.14 J	0.325 J	0.455 J	0.724 J	1.7 U	0.334 J
Silver	180	8.3	MG/KG	0.894 U	0.856 U	0.893 U	0.862 U	0.851 U	0.878 U
Sodium	--	--	MG/KG	396	136 J	327	336	146 J	68 J
Thallium	--	--	MG/KG	1.79 U	1.71 U	1.79 U	1.72 U	1.7 U	1.76 U
Vanadium	--	--	MG/KG	29.7	12.1	25.9	14.8	14.3	13.4
Zinc	10000	2480	MG/KG	122	41.9	41.4	69	50.6	36.3

Table 4. Summary of Metals in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B1	B10	B11	B12	B13	B14
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018	07/17/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	MG/KG	9030	7710	6170	9450	5690	4520
Antimony	--	--	MG/KG	1.62 J	4.57 U	4.82 U	4.57 U	4.6 U	4.56 U
Arsenic	**16**	16	MG/KG	1.8	2.63	1.69	2.06	1.56	4.09
Barium	400	820	MG/KG	70.8	38.2	33.9	57.8	19.7	27
Beryllium	72	47	MG/KG	0.273 J	0.201 J	0.251 J	0.073 J	0.101 J	0.137 J
Cadmium	4.3	7.5	MG/KG	0.556 J	0.164 J	0.318 J	0.43 J	0.147 J	0.21 J
Calcium	--	--	MG/KG	2670	387	800	958	561	1370
Chromium, Hexavalent	110	19	MG/KG	0.989 U	0.933 U	0.986 U	1.6	0.939 U	0.93 U
Chromium, Total	**180**	--	MG/KG	22.2	10.6	13.5	25.4	9.33	10.1
Cobalt	--	--	MG/KG	11.1	4.42	5.22	9.27	4.47	5.78
Copper	270	1720	MG/KG	32.7	13.2	18.2	18.2	8.99	12.3
Cyanide	27	40	MG/KG	1.1 U	1.1 U	0.64 J	1.1 U	1.1 U	1.1 U
Iron	--	--	MG/KG	16600	14200	11900	18000	10400	11900
Lead	**400**	450	MG/KG	19.7	5.87	8.99	3.01 J	7.97	36.4
Magnesium	--	--	MG/KG	3860	2370	2170	4520	1770	1910
Manganese	2000	2000	MG/KG	252	138	139	172	116	279
Mercury	**0.81**	0.73	MG/KG	0.159	0.018 J	0.034 J	0.074 U	0.074 U	0.05 J
Nickel	310	130	MG/KG	26.6	10.4	10.7	17.2	7.82	8.89
Potassium	--	--	MG/KG	3900	494	844	2770	843	866
Selenium	180	4	MG/KG	0.653 J	0.448 J	0.482 J	0.265 J	0.405 J	0.921 J
Silver	180	8.3	MG/KG	0.975 U	0.914 U	0.965 U	0.914 U	0.92 U	0.912 U
Sodium	--	--	MG/KG	413	34.2 J	62.7 J	65.2 J	482	267
Thallium	--	--	MG/KG	1.95 U	1.83 U	1.93 U	1.83 U	1.84 U	1.82 U
Vanadium	--	--	MG/KG	29.7	15.7	19.4	38.8	16.2	18.6
Zinc	10000	2480	MG/KG	44	39.1	37.8	44.6	23	29.9

Table 4. Summary of Metals in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B15	B16	B17	B18	B19	B2
			Sample Date:	07/16/2018	07/16/2018	07/16/2018	07/12/2018	07/12/2018	07/17/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	MG/KG	4730	4370	6540	3910	8180	6970
Antimony	--	--	MG/KG	4.45 U	2.32 U	2.31 U	4.57 U	4.8 U	1.38 J
Arsenic	**16**	16	MG/KG	13.5	4.96	1.58	1.33	2.12	2.36
Barium	400	820	MG/KG	34.3	19.9	27.3	21.9	31.4	59
Beryllium	72	47	MG/KG	0.133 J	0.296	0.281	0.165 J	0.413 J	0.385 J
Cadmium	4.3	7.5	MG/KG	0.187 J	0.208 J	0.152 J	0.137 J	0.346 J	0.568 J
Calcium	--	--	MG/KG	1740	728	600	1920	841	3520
Chromium, Hexavalent	110	19	MG/KG	0.932 U	0.94 U	0.982 U	0.954 U	0.962 U	0.966 U
Chromium, Total	**180**	--	MG/KG	9.24	7.84	10.7	7.88	13.2	15.1
Cobalt	--	--	MG/KG	4.65	5.48	5.39	5.47	6.62	8
Copper	270	1720	MG/KG	12	14.5	11.9	9.21	9.98	20.4
Cyanide	27	40	MG/KG	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U
Iron	--	--	MG/KG	10800	14200	12200	9510	15200	15800
Lead	**400**	450	MG/KG	44.5	8.97	16.5	9.01	9.85	27.3
Magnesium	--	--	MG/KG	1740	1540	1930	1630	2090	2620
Manganese	2000	2000	MG/KG	83.3	208	99.4	229	287	351
Mercury	**0.81**	0.73	MG/KG	0.088	0.074 U	0.038 J	0.017 J	0.034 J	0.33
Nickel	310	130	MG/KG	8.29	8.08	8.9	8.12	10.8	16.6
Potassium	--	--	MG/KG	810	489	361	534	436	2020
Selenium	180	4	MG/KG	0.774 J	0.667 J	0.494 J	1.83 U	0.403 J	0.422 J
Silver	180	8.3	MG/KG	0.89 U	0.463 U	0.461 U	0.915 U	0.96 U	0.917 U
Sodium	--	--	MG/KG	210	60 J	58.6 J	86.4 J	75.5 J	236
Thallium	--	--	MG/KG	1.78 U	0.927 U	0.922 U	1.83 U	1.92 U	1.83 U
Vanadium	--	--	MG/KG	13.9	13.9	14.6	11.1	17.2	23.6
Zinc	10000	2480	MG/KG	33.5	37.5	33.2	28.5	28.4	42.1

Table 4. Summary of Metals in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B20	B21	B22	B23	B24	B3
			Sample Date:	07/11/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018	07/13/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	MG/KG	7660	6140	5660	7310	4860	12200
Antimony	--	--	MG/KG	4.54 U	4.52 U	4.43 U	4.79 U	4.74 U	5.89 U
Arsenic	**16**	16	MG/KG	5.2	4.72	1.71	7.18	5.72	9.62
Barium	400	820	MG/KG	36.5	38.5	35.7	37.1	28	85.7
Beryllium	72	47	MG/KG	0.454	0.244 J	0.407 J	0.24 J	0.294 J	0.613
Cadmium	4.3	7.5	MG/KG	0.354 J	0.208 J	0.301 J	0.22 J	0.408 J	0.683 J
Calcium	--	--	MG/KG	844	793	823	3220	2040	3310
Chromium, Hexavalent	110	19	MG/KG	0.962 U	0.424 J	0.942 U	0.32 J	3.1	1.21 U
Chromium, Total	**180**	--	MG/KG	14.2	12.2	23.1	21.2	15.7	24.2
Cobalt	--	--	MG/KG	6.04	6.49	9.76	7.09	5.21	10.2
Copper	270	1720	MG/KG	14.8	8.06	18.7	17	15.1	34.8
Cyanide	27	40	MG/KG	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.5 U
Iron	--	--	MG/KG	29800	15700	23800	16600	16400	26700
Lead	**400**	450	MG/KG	9.85	5.21	7.99	5.38	5.58	189
Magnesium	--	--	MG/KG	2080	1810	1760	2640	1670	4880
Manganese	2000	2000	MG/KG	221	762	232	210	162	577
Mercury	**0.81**	0.73	MG/KG	0.042 J	0.024 J	0.075 U	0.077 U	0.077 U	0.622
Nickel	310	130	MG/KG	11.6	10	13.9	13.1	9.25	23.3
Potassium	--	--	MG/KG	760	592	1180	1090	827	2530
Selenium	180	4	MG/KG	1.07 J	0.869 J	0.797 J	0.661 J	0.351 J	0.577 J
Silver	180	8.3	MG/KG	0.909 U	0.905 U	0.886 U	0.958 U	0.948 U	1.18 U
Sodium	--	--	MG/KG	118 J	72.8 J	69.6 J	187 J	121 J	559
Thallium	--	--	MG/KG	1.82 U	0.751 J	1.77 U	1.92 U	1.9 U	2.36 U
Vanadium	--	--	MG/KG	26.6	19.2	32.8	25.3	22.4	30.7
Zinc	10000	2480	MG/KG	42.7	23.4	37.9	33.1	26.4	83.1

Table 4. Summary of Metals in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B4	B5	B6	B7	B8	B9
			Sample Date:	07/13/2018	07/13/2018	07/12/2018	07/12/2018	07/12/2018	07/11/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	MG/KG	11400	1660	3340	4970	4560	5260
Antimony	--	--	MG/KG	5.45 U	4.51 U	4.34 U	4.49 U	4.56 U	4.49 U
Arsenic	**16**	16	MG/KG	**21.7**	0.758 J	1.52	1.39	1.73	2.7
Barium	400	820	MG/KG	96.6	12.9	27.6	26.7	24.2	32.6
Beryllium	72	47	MG/KG	0.534 J	0.117 J	0.269 J	0.242 J	0.383 J	0.359 J
Cadmium	4.3	7.5	MG/KG	0.632 J	0.903 U	0.148 J	0.153 J	0.292 J	0.377 J
Calcium	--	--	MG/KG	3350	2250	1460	993	574	555
Chromium, Hexavalent	110	19	MG/KG	1.1 U	0.937 U	0.923 U	0.227 J	0.23 J	0.302 J
Chromium, Total	**180**	--	MG/KG	26.9	6.81	10.7	9.05	11	10.9
Cobalt	--	--	MG/KG	10.4	2.71	8.12	4.53	5.24	6.61
Copper	270	1720	MG/KG	43.9	6.41	14	10.5	9.65	11.8
Cyanide	27	40	MG/KG	1.3 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
Iron	--	--	MG/KG	23700	7470	12400	11900	11400	15400
Lead	**400**	450	MG/KG	112	4.14 J	33.2	6.27	9.95	5.97
Magnesium	--	--	MG/KG	4930	2240	1650	1970	1830	1770
Manganese	2000	2000	MG/KG	393	72.1	107	162	157	277
Mercury	**0.81**	0.73	MG/KG	0.5	0.019 J	0.039 J	0.072 U	0.073 U	0.073 U
Nickel	310	130	MG/KG	21.9	5.06	7.3	9.97	10.9	11.3
Potassium	--	--	MG/KG	3230	493	643	613	636	561
Selenium	180	4	MG/KG	0.708 J	1.8 U	0.33 J	0.592 J	1.82 U	1.8 U
Silver	180	8.3	MG/KG	1.09 U	0.903 U	0.868 U	0.898 U	0.912 U	0.898 U
Sodium	--	--	MG/KG	470	115 J	107 J	87.4 J	42.3 J	49.4 J
Thallium	--	--	MG/KG	0.403 J	1.8 U	1.74 U	1.8 U	1.82 U	1.8 U
Vanadium	--	--	MG/KG	35.2	10.6	21.6	13.5	15	20.4
Zinc	10000	2480	MG/KG	86.7	15.9	34	29.5	37	31.2

Table 4. Summary of Metals in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C1	C10	C11	C12	C2	C3
			Sample Date:	07/17/2018	07/11/2018	07/10/2018	07/10/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	MG/KG	13500	6380	3810	4040	12400	3610
Antimony	--	--	MG/KG	1.77 J	4.95 U	4.69 U	4.69 U	5.61 U	4.99 U
Arsenic	**16**	16	MG/KG	11.9	2.16	1.46	2.14	7.33	1.42
Barium	400	820	MG/KG	93.7	42.8	26	29.5	36.6	24.9
Beryllium	72	47	MG/KG	0.674 J	0.277 J	0.131 J	0.338 J	0.628	0.19 J
Cadmium	4.3	7.5	MG/KG	1.33 J	0.238 J	0.141 J	0.525 J	0.662 J	0.21 J
Calcium	--	--	MG/KG	11700	1110	552	1180	2740	2030
Chromium, Hexavalent	110	19	MG/KG	1.45 U	1.01 U	0.967 U	0.983 U	1.19 U	1.03 U
Chromium, Total	**180**	--	MG/KG	28.2	17	9.69	13.4	24	12
Cobalt	--	--	MG/KG	11.3	7.04	4.32	5.81	9.49	6.06
Copper	270	1720	MG/KG	44.3	20.7	9.59	14.2	22	12.6
Cyanide	27	40	MG/KG	1.7 U	1.2 U	1.2 U	1.2 U	1.4 U	1.3 U
Iron	--	--	MG/KG	33500	19200	11700	21000	25600	13900
Lead	**400**	450	MG/KG	114	7.72	3.43 J	6.63	57.1	16
Magnesium	--	--	MG/KG	5810	2090	1460	1240	4800	2530
Manganese	2000	2000	MG/KG	1330	391	283	194	397	333
Mercury	**0.81**	0.73	MG/KG	**1.06**	0.025 J	0.077 U	0.078 U	0.225	0.02 J
Nickel	310	130	MG/KG	25.7	10.6	5.95	8.31	22	11.1
Potassium	--	--	MG/KG	2820	815	731	718	1910	1130
Selenium	180	4	MG/KG	0.955 J	0.971 J	0.516 J	0.394 J	0.673 J	0.499 J
Silver	180	8.3	MG/KG	1.4 U	0.99 U	0.939 U	0.938 U	1.12 U	0.998 U
Sodium	--	--	MG/KG	1930	139 J	65.3 J	118 J	457	116 J
Thallium	--	--	MG/KG	2.81 U	1.98 U	1.88 U	0.563 J	2.24 U	2 U
Vanadium	--	--	MG/KG	42.6	30.6	17.6	21.2	31.5	16.8
Zinc	10000	2480	MG/KG	103	29.3	16.5	27.7	66.3	28.1

Table 4. Summary of Metals in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C4	C5	C6	C7	C8	C9
			Sample Date:	07/12/2018	07/11/2018	07/09/2018	07/17/2018	07/16/2018	07/16/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Aluminum	--	--	MG/KG	5820	5660	7140	5500	4230	5080
Antimony	--	--	MG/KG	4.84 U	4.42 U	4.43 U	5.12 U	4.77 U	2.36 U
Arsenic	**16**	16	MG/KG	1.63	3.03	1.6	8.22	6.43	2.09
Barium	400	820	MG/KG	48.1	85	54.1	69.2	23.5	27.3
Beryllium	72	47	MG/KG	0.348 J	0.424 J	0.434 J	0.143 J	0.114 J	0.24
Cadmium	4.3	7.5	MG/KG	0.242 J	0.442 J	0.398 J	0.287 J	0.181 J	0.155 J
Calcium	--	--	MG/KG	702	2470	953	4910	1640	2720
Chromium, Hexavalent	110	19	MG/KG	0.611 J	0.498 J	0.928 U	1.06 U	0.984 U	0.988 U
Chromium, Total	**180**	--	MG/KG	15.5	15.7	20.6	17.1	9.81	12.3
Cobalt	--	--	MG/KG	7.17	8.76	7.97	7.66	5.4	4.76
Copper	270	1720	MG/KG	13.5	13.7	14	20.5	9.71	12.8
Cyanide	27	40	MG/KG	1.2 U	1.1 U	1 U	1.3 U	1.2 U	1.1 U
Iron	--	--	MG/KG	20400	18300	16100	14100	10800	11200
Lead	**400**	450	MG/KG	6.69	6.74	5.54	69.3	6.47	25.4
Magnesium	--	--	MG/KG	2190	2980	3420	2220	1970	1930
Manganese	2000	2000	MG/KG	405	880	125	221	126	176
Mercury	**0.81**	0.73	MG/KG	0.082 U	0.073 U	0.073 U	0.151	0.021 J	0.079
Nickel	310	130	MG/KG	11	12.6	12.1	12.4	8.97	9.45
Potassium	--	--	MG/KG	1120	1040	2340	1150	704	414
Selenium	180	4	MG/KG	0.852 J	0.248 J	1.77 U	1.12 J	0.592 J	0.523 J
Silver	180	8.3	MG/KG	0.968 U	0.884 U	0.886 U	1.02 U	0.955 U	0.471 U
Sodium	--	--	MG/KG	83.6 J	81.6 J	81.9 J	227	115 J	88.1 J
Thallium	--	--	MG/KG	1.94 U	1.77 U	1.77 U	2.05 U	1.91 U	0.942 U
Vanadium	--	--	MG/KG	25.5	22.7	27.7	19.6	15.4	14.5
Zinc	10000	2480	MG/KG	38.5	33.6	46.7	50.1	20.8	29.1

Table 4. Summary of Metals in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	WFWC1	WFWC2	WFWC3	WFWC4	WFWC5
			Sample Date:	07/18/2018	07/18/2018	07/19/2018	07/19/2018	07/19/2018
			Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 10	0 - 11
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aluminum	--	--	MG/KG	5450	4730	5950	4960	6880
Antimony	--	--	MG/KG	4.61 U	4.18 U	4.84 U	4.25 U	5.23 U
Arsenic	**16**	16	MG/KG	5.05	4.75	8.15	3.54	9.8
Barium	400	820	MG/KG	129	117	31.2	42.9	92.2
Beryllium	72	47	MG/KG	0.378 J	0.335 J	0.446 J	0.306 J	0.366 J
Cadmium	4.3	7.5	MG/KG	0.737 J	0.678 J	0.446 J	0.297 J	0.7 J
Calcium	--	--	MG/KG	1020	933	9260	501	4920
Chromium, Hexavalent	110	19	MG/KG	0.943 U	0.864 U	0.984 U	0.875 U	1.05 U
Chromium, Total	**180**	--	MG/KG	16.4	14.8	13.3	9.55	23.4
Cobalt	--	--	MG/KG	7.3	6.66	6.95	3.87	7.37
Copper	270	1720	MG/KG	48.2	44.1	135	15.4	58.9
Cyanide	27	40	MG/KG	1.4	0.5 J	0.25 J	0.3 J	1.2 U
Iron	--	--	MG/KG	20400	18600	12500	11100	21000
Lead	**400**	450	MG/KG	372	343	**618**	123	150
Magnesium	--	--	MG/KG	1610	1480	1870	1750	2660
Manganese	2000	2000	MG/KG	394	360	600	111	490
Mercury	**0.81**	0.73	MG/KG	0.363	**0.829**	0.746	0.113	0.207
Nickel	310	130	MG/KG	12.4	11.3	15	14.4	17.1
Potassium	--	--	MG/KG	847	739	766	694	1460
Selenium	180	4	MG/KG	0.424 J	0.745 J	0.523 J	1.7 U	0.523 J
Silver	180	8.3	MG/KG	0.921 U	0.837 U	0.968 U	0.849 U	1.04 U
Sodium	--	--	MG/KG	243	212	1180	704	1060
Thallium	--	--	MG/KG	1.84 U	1.67 U	0.562 J	1.7 U	2.09 U
Vanadium	--	--	MG/KG	20.5	18.6	16.7	14.6	28.3
Zinc	10000	2480	MG/KG	148	136	181	41	88.1

Table 5. Summary of Polychlorinated Biphenyls in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A1	A10	A11	A12	A13	A14
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	36 U	37 U	38.5 U	37.8 U	35.2 U	36.1 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	36 U	37 U	38.5 U	37.8 U	35.2 U	36.1 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	36 U	37 U	38.5 U	37.8 U	35.2 U	36.1 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	36 U	37 U	38.5 U	37.8 U	35.2 U	36.1 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	36 U	37 U	38.5 U	37.8 U	35.2 U	36.1 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	36 U	37 U	38.5 U	37.8 U	35.2 U	36.1 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	36 U	37 U	38.5 U	37.8 U	35.2 U	36.1 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	36 U	37 U	38.5 U	37.8 U	35.2 U	36.1 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	36 U	37 U	38.5 U	37.8 U	35.2 U	36.1 U
Polychlorinated Biphenyl (PCBs)	1000	3200	UG/KG	36 U	37 U	38.5 U	37.8 U	35.2 U	36.1 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A15	A16	A17	A18	A19	A2
			Sample Date:	07/16/2018	07/16/2018	07/16/2018	07/12/2018	07/12/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	37.7 U	39.2 U	36.6 U	35.6 U	36.6 U	37.9 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	37.7 U	39.2 U	36.6 U	35.6 U	36.6 U	37.9 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	37.7 U	39.2 U	36.6 U	35.6 U	36.6 U	37.9 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	37.7 U	39.2 U	36.6 U	35.6 U	36.6 U	37.9 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	37.7 U	39.2 U	36.6 U	35.6 U	36.6 U	37.9 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	37.7 U	39.2 U	36.6 U	35.6 U	36.6 U	37.9 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	37.7 U	39.2 U	36.6 U	35.6 U	36.6 U	37.9 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	37.7 U	39.2 U	36.6 U	35.6 U	36.6 U	37.9 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	37.7 U	39.2 U	36.6 U	35.6 U	36.6 U	37.9 U
Polychlorinated Biphenyl (PCBs)	1000	3200	UG/KG	37.7 U	39.2 U	36.6 U	35.6 U	36.6 U	37.9 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A20	A21	A22	A23	A24	A3
			Sample Date:	07/11/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018	07/13/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	36.3 U	38.4 U	37.1 U	36.2 U	39.7 U	36.5 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	36.3 U	38.4 U	37.1 U	36.2 U	39.7 U	36.5 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	36.3 U	38.4 U	37.1 U	36.2 U	39.7 U	36.5 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	36.3 U	38.4 U	37.1 U	36.2 U	39.7 U	36.5 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	36.3 U	38.4 U	37.1 U	36.2 U	39.7 U	36.5 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	3.71 J	38.4 U	37.1 U	36.2 U	39.7 U	36.5 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	36.3 U	38.4 U	37.1 U	36.2 U	39.7 U	36.5 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	36.3 U	38.4 U	37.1 U	36.2 U	39.7 U	36.5 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	36.3 U	38.4 U	37.1 U	36.2 U	39.7 U	36.5 U
Polychlorinated Biphenyl (PCBs)	1000	3200	UG/KG	3.71 J	38.4 U	37.1 U	36.2 U	39.7 U	36.5 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A4	A5	A6	A7	A8	A9
			Sample Date:	07/13/2018	07/13/2018	07/12/2018	07/12/2018	07/12/2018	07/11/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	37.6 U	37.5 U	35.4 U	35.8 U	35.3 U	35.5 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	37.6 U	37.5 U	35.4 U	35.8 U	35.3 U	35.5 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	37.6 U	37.5 U	35.4 U	35.8 U	35.3 U	35.5 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	22.2 J	37.5 U	35.4 U	35.8 U	35.3 U	35.5 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	37.6 U	37.5 U	35.4 U	35.8 U	35.3 U	35.5 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	13.9 J	37.5 U	35.4 U	35.8 U	35.3 U	35.5 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	7.14 J	37.5 U	35.4 U	35.8 U	35.3 U	35.5 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	37.6 U	37.5 U	35.4 U	35.8 U	35.3 U	35.5 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	37.6 U	37.5 U	35.4 U	35.8 U	35.3 U	35.5 U
Polychlorinated Biphenyl (PCBs)	1000	3200	UG/KG	43.2 J	37.5 U	35.4 U	35.8 U	35.3 U	35.5 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B1	B10	B11	B12	B13	B14
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018	07/17/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	40.2 U	38.7 U	40.8 U	36.8 U	36.9 U	38.4 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	40.2 U	38.7 U	40.8 U	36.8 U	36.9 U	38.4 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	40.2 U	38.7 U	40.8 U	36.8 U	36.9 U	38.4 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	40.2 U	38.7 U	40.8 U	36.8 U	36.9 U	38.4 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	40.2 U	38.7 U	40.8 U	36.8 U	36.9 U	38.4 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	40.2 U	38.7 U	40.8 U	36.8 U	36.9 U	38.4 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	40.2 U	38.7 U	40.8 U	36.8 U	36.9 U	38.4 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	40.2 U	38.7 U	40.8 U	36.8 U	36.9 U	38.4 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	40.2 U	38.7 U	40.8 U	36.8 U	36.9 U	38.4 U
Polychlorinated Biphenyl (PCBs)	1000	3200	UG/KG	40.2 U	38.7 U	40.8 U	36.8 U	36.9 U	38.4 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B15	B16	B17	B18	B19	B2
			Sample Date:	07/16/2018	07/16/2018	07/16/2018	07/12/2018	07/12/2018	07/17/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	37.9 U	38.1 U	39.9 U	38.1 U	39.4 U	39.8 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	37.9 U	38.1 U	39.9 U	38.1 U	39.4 U	39.8 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	37.9 U	38.1 U	39.9 U	38.1 U	39.4 U	39.8 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	37.9 U	38.1 U	39.9 U	38.1 U	39.4 U	39.8 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	37.9 U	38.1 U	39.9 U	38.1 U	39.4 U	39.8 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	37.9 U	38.1 U	39.9 U	38.1 U	39.4 U	39.8 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	37.9 U	38.1 U	39.9 U	38.1 U	39.4 U	39.8 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	37.9 U	38.1 U	39.9 U	38.1 U	39.4 U	39.8 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	37.9 U	38.1 U	39.9 U	38.1 U	39.4 U	39.8 U
Polychlorinated Biphenyl (PCBs)	1000	3200	UG/KG	37.9 U	38.1 U	39.9 U	38.1 U	39.4 U	39.8 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B20	B21	B22	B23	B24	B3
			Sample Date:	07/11/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018	07/13/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	38.3 U	36.5 U	38.2 U	40.1 U	40 U	47.4 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	38.3 U	36.5 U	38.2 U	40.1 U	40 U	47.4 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	38.3 U	36.5 U	38.2 U	40.1 U	40 U	47.4 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	38.3 U	36.5 U	38.2 U	40.1 U	40 U	47.4 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	38.3 U	36.5 U	38.2 U	40.1 U	40 U	47.4 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	38.3 U	36.5 U	38.2 U	40.1 U	40 U	47.4 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	38.3 U	36.5 U	38.2 U	40.1 U	40 U	47.4 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	38.3 U	36.5 U	38.2 U	40.1 U	40 U	47.4 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	38.3 U	36.5 U	38.2 U	40.1 U	40 U	47.4 U
Polychlorinated Biphenyl (PCBs)	1000	3200	UG/KG	38.3 U	36.5 U	38.2 U	40.1 U	40 U	47.4 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B4	B5	B6	B7	B8	B9
			Sample Date:	07/13/2018	07/13/2018	07/12/2018	07/12/2018	07/12/2018	07/11/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	44.3 U	38.1 U	38.1 U	35.8 U	36.2 U	37.2 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	44.3 U	38.1 U	38.1 U	35.8 U	36.2 U	37.2 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	44.3 U	38.1 U	38.1 U	35.8 U	36.2 U	37.2 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	44.3 U	38.1 U	38.1 U	35.8 U	36.2 U	37.2 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	44.3 U	38.1 U	38.1 U	35.8 U	36.2 U	37.2 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	44.3 U	38.1 U	38.1 U	35.8 U	36.2 U	37.2 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	44.3 U	38.1 U	38.1 U	35.8 U	36.2 U	37.2 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	44.3 U	38.1 U	38.1 U	35.8 U	36.2 U	37.2 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	44.3 U	38.1 U	38.1 U	35.8 U	36.2 U	37.2 U
Polychlorinated Biphenyl (PCBs)	1000	3200	UG/KG	44.3 U	38.1 U	38.1 U	35.8 U	36.2 U	37.2 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C1	C10	C11	C12	C2	C3
			Sample Date:	07/17/2018	07/11/2018	07/10/2018	07/10/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	60.1 U	41.4 U	38.1 U	40 U	49.6 U	41.1 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	60.1 U	41.4 U	38.1 U	40 U	49.6 U	41.1 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	60.1 U	41.4 U	38.1 U	40 U	49.6 U	41.1 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	60.1 U	41.4 U	38.1 U	40 U	49.6 U	41.1 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	60.1 U	41.4 U	38.1 U	40 U	49.6 U	41.1 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	60.1 U	41.4 U	38.1 U	40 U	49.6 U	41.1 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	60.1 U	41.4 U	38.1 U	40 U	49.6 U	41.1 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	60.1 U	41.4 U	38.1 U	40 U	49.6 U	41.1 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	60.1 U	41.4 U	38.1 U	40 U	49.6 U	41.1 U
Polychlorinated Biphenyl (PCBs)	1000	3200	UG/KG	60.1 U	41.4 U	38.1 U	40 U	49.6 U	41.1 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C4	C5	C6	C7	C8	C9
			Sample Date:	07/12/2018	07/11/2018	07/09/2018	07/17/2018	07/16/2018	07/16/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	42.1 U	36.6 U	37.2 U	41.7 U	39.5 U	40 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	42.1 U	36.6 U	37.2 U	41.7 U	39.5 U	40 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	42.1 U	36.6 U	37.2 U	41.7 U	39.5 U	40 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	42.1 U	36.6 U	37.2 U	41.7 U	39.5 U	40 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	42.1 U	36.6 U	37.2 U	41.7 U	39.5 U	40 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	42.1 U	36.6 U	37.2 U	41.7 U	39.5 U	40 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	42.1 U	36.6 U	37.2 U	41.7 U	39.5 U	40 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	42.1 U	36.6 U	37.2 U	41.7 U	39.5 U	40 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	42.1 U	36.6 U	37.2 U	41.7 U	39.5 U	40 U
Polychlorinated Biphenyl (PCBs)	1000	3200	UG/KG	42.1 U	36.6 U	37.2 U	41.7 U	39.5 U	40 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	WFWC1	WFWC2	WFWC3	WFWC4	WFWC5
			Sample Date:	07/18/2018	07/18/2018	07/19/2018	07/19/2018	07/19/2018
			Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 10	0 - 11
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
PCB-1016 (Aroclor 1016)	--	--	UG/KG	39.2 U	33.8 U	39.8 U	34.6 U	43.2 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	39.2 U	33.8 U	39.8 U	34.6 U	43.2 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	39.2 U	33.8 U	39.8 U	34.6 U	43.2 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	39.2 U	33.8 U	39.8 U	34.6 U	43.2 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	39.2 U	33.8 U	39.8 U	34.6 U	43.2 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	39.2 U	33.8 U	39.8 U	34.6 U	43.2 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	39.2 U	33.8 U	39.8 U	34.6 U	43.2 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	39.2 U	33.8 U	39.8 U	34.6 U	43.2 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	39.2 U	33.8 U	39.8 U	34.6 U	43.2 U
Polychlorinated Biphenyl (PCBs)	1000	3200	UG/KG	39.2 U	33.8 U	39.8 U	34.6 U	43.2 U

Table 6. Summary of Pesticides and in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A1	A10	A11	A12	A13
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	97	190	UG/KG	1.67 U	1.74 U	1.88 U	1.8 U	1.77 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	480	20	UG/KG	0.697 U	0.726 U	0.785 U	0.749 U	0.736 U
Alpha Endosulfan	24000	102000	UG/KG	1.67 U	1.74 U	1.88 U	1.8 U	1.77 U
Beta Bhc (Beta Hexachlorocyclohexane)	360	90	UG/KG	1.67 U	1.74 U	1.88 U	1.8 U	1.77 U
Beta Endosulfan	24000	102000	UG/KG	1.67 U	1.74 U	1.88 U	1.8 U	1.77 U
Chlordane	--	--	UG/KG	13.6 U	14.1 U	15.3 U	14.6 U	14.4 U
cis-Chlordane	4200	2900	UG/KG	2.09 U	2.18 U	2.36 U	2.25 U	2.21 U
Delta BHC (Delta Hexachlorocyclohexane)	100000	250	UG/KG	1.67 U	1.74 U	1.88 U	1.8 U	1.77 U
Dieldrin	200	100	UG/KG	1.04 U	1.09 U	1.18 U	1.12 U	1.1 U
Endosulfan Sulfate	24000	1000000	UG/KG	0.697 U	0.726 U	0.785 U	0.749 U	0.736 U
Endrin	11000	60	UG/KG	0.697 U	0.726 U	0.785 U	0.749 U	0.736 U
Endrin Aldehyde	--	--	UG/KG	2.09 U	2.18 U	2.36 U	2.25 U	2.21 U
Endrin Ketone	--	--	UG/KG	1.67 U	1.74 U	1.88 U	1.8 U	1.77 U
Gamma Bhc (Lindane)	1300	100	UG/KG	0.697 U	0.726 U	0.785 U	0.749 U	0.736 U
Heptachlor	2100	380	UG/KG	0.836 U	0.871 U	0.942 U	0.899 U	0.883 U
Heptachlor Epoxide	--	--	UG/KG	3.14 U	3.26 U	3.53 U	3.37 U	3.31 U
Methoxychlor	--	--	UG/KG	3.14 U	3.26 U	3.53 U	3.37 U	3.31 U
P,P'-DDD	13000	14000	UG/KG	1.38 J	1.74 U	1.88 U	1.8 U	3.42
P,P'-DDE	8900	17000	UG/KG	2.79	1.74 U	1.88 U	1.8 U	5.51
P,P'-DDT	7900	136000	UG/KG	7.47	3.26 U	3.53 U	3.37 U	5.75
Toxaphene	--	--	UG/KG	31.4 U	32.6 U	35.3 U	33.7 U	33.1 U
trans-Chlordane	--	--	UG/KG	2.09 U	2.18 U	2.36 U	2.25 U	2.21 U

Table 6. Summary of Pesticides and in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A14	A15	A16	A17	A18
			Sample Date:	07/17/2018	07/16/2018	07/16/2018	07/16/2018	07/12/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	97	190	UG/KG	1.74 U	8.86 U	1.85 U	1.79 U	1.77 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	480	20	UG/KG	0.726 U	3.69 U	0.772 U	0.747 U	0.739 U
Alpha Endosulfan	24000	102000	UG/KG	1.74 U	8.86 U	1.85 U	1.79 U	1.77 U
Beta Bhc (Beta Hexachlorocyclohexane)	360	90	UG/KG	1.74 U	8.86 U	1.85 U	1.79 U	1.77 U
Beta Endosulfan	24000	102000	UG/KG	1.74 U	8.86 U	1.85 U	1.79 U	1.77 U
Chlordane	--	--	UG/KG	14.2 U	72 U	15 U	14.6 U	14.4 U
cis-Chlordane	4200	2900	UG/KG	2.18 U	11.1 U	2.32 U	2.24 U	2.22 U
Delta BHC (Delta Hexachlorocyclohexane)	100000	250	UG/KG	1.74 U	8.86 U	1.85 U	1.79 U	1.77 U
Dieldrin	200	100	UG/KG	1.09 U	5.54 U	1.16 U	1.12 U	1.11 U
Endosulfan Sulfate	24000	1000000	UG/KG	0.427 J	3.69 U	0.772 U	0.747 U	0.739 U
Endrin	11000	60	UG/KG	0.726 U	3.69 U	0.772 U	0.747 U	0.739 U
Endrin Aldehyde	--	--	UG/KG	2.18 U	11.1 U	2.32 U	2.24 U	2.22 U
Endrin Ketone	--	--	UG/KG	1.74 U	8.86 U	1.85 U	1.79 U	1.77 U
Gamma Bhc (Lindane)	1300	100	UG/KG	0.726 U	3.69 U	0.772 U	0.747 U	0.739 U
Heptachlor	2100	380	UG/KG	0.871 U	4.43 U	0.926 U	0.897 U	0.887 U
Heptachlor Epoxide	--	--	UG/KG	3.26 U	16.6 U	3.47 U	3.36 U	3.33 U
Methoxychlor	--	--	UG/KG	3.26 U	16.6 U	3.47 U	3.36 U	3.33 U
P,P'-DDD	13000	14000	UG/KG	1.74 U	8.86 U	1.85 U	1.79 U	1.77 U
P,P'-DDE	8900	17000	UG/KG	2.12 P	8.86 U	1.85 U	1.79 U	1.77 U
P,P'-DDT	7900	136000	UG/KG	4.46	16.6 U	3.47 U	3.36 U	3.33 U
Toxaphene	--	--	UG/KG	32.6 U	166 U	34.7 U	33.6 U	33.3 U
trans-Chlordane	--	--	UG/KG	2.18 U	11.1 U	2.32 U	2.24 U	2.22 U

Table 6. Summary of Pesticides and in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A19	A2	A20	A21	A22
			Sample Date:	07/12/2018	07/17/2018	07/11/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	97	190	UG/KG	1.7 U	9.38 U	1.76 U	1.83 U	1.74 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	480	20	UG/KG	0.711 U	3.91 U	0.732 U	0.764 U	0.725 U
Alpha Endosulfan	24000	102000	UG/KG	1.7 U	9.38 U	1.76 U	1.83 U	1.74 U
Beta Bhc (Beta Hexachlorocyclohexane)	360	90	UG/KG	1.7 U	9.38 U	1.76 U	1.83 U	1.74 U
Beta Endosulfan	24000	102000	UG/KG	1.7 U	9.38 U	1.76 U	1.83 U	1.74 U
Chlordane	--	--	UG/KG	13.8 U	76.2 U	14.3 U	14.9 U	14.1 U
cis-Chlordane	4200	2900	UG/KG	2.13 U	11.7 U	2.19 U	2.29 U	2.18 U
Delta BHC (Delta Hexachlorocyclohexane)	100000	250	UG/KG	1.7 U	9.38 U	1.76 U	1.83 U	1.74 U
Dieldrin	200	100	UG/KG	1.06 U	5.86 U	1.1 U	1.15 U	1.09 U
Endosulfan Sulfate	24000	1000000	UG/KG	0.711 U	3.91 U	0.732 U	0.764 U	0.725 U
Endrin	11000	60	UG/KG	0.711 U	3.91 U	0.732 U	0.764 U	0.725 U
Endrin Aldehyde	--	--	UG/KG	2.13 U	11.7 U	2.19 U	2.29 U	2.18 U
Endrin Ketone	--	--	UG/KG	1.7 U	9.38 U	1.76 U	1.83 U	1.74 U
Gamma Bhc (Lindane)	1300	100	UG/KG	0.711 U	3.91 U	0.732 U	0.764 U	0.725 U
Heptachlor	2100	380	UG/KG	0.853 U	4.69 U	0.878 U	0.917 U	0.87 U
Heptachlor Epoxide	--	--	UG/KG	3.2 U	17.6 U	3.29 U	3.44 U	3.26 U
Methoxychlor	--	--	UG/KG	3.2 U	17.6 U	3.29 U	3.44 U	3.26 U
P,P'-DDD	13000	14000	UG/KG	1.7 U	9.38 U	1.76 U	1.83 U	2.96
P,P'-DDE	8900	17000	UG/KG	1.7 U	9.38 U	1.76 U	1.83 U	4.3
P,P'-DDT	7900	136000	UG/KG	3.2 U	17.6 U	3.29 U	3.44 U	3.26 U
Toxaphene	--	--	UG/KG	32 U	176 U	32.9 U	34.4 U	32.6 U
trans-Chlordane	--	--	UG/KG	2.13 U	11.7 U	2.19 U	2.29 U	2.18 U

Table 6. Summary of Pesticides and in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A23	A24	A3	A4	A5
			Sample Date:	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	97	190	UG/KG	1.76 U	1.84 U	9.02 U	18 U	1.75 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	480	20	UG/KG	0.734 U	0.768 U	3.76 U	7.51 U	0.73 U
Alpha Endosulfan	24000	102000	UG/KG	1.76 U	1.84 U	9.02 U	18 U	1.75 U
Beta Bhc (Beta Hexachlorocyclohexane)	360	90	UG/KG	1.76 U	1.84 U	9.02 U	18 U	1.75 U
Beta Endosulfan	24000	102000	UG/KG	1.76 U	1.84 U	9.02 U	18 U	1.75 U
Chlordane	--	--	UG/KG	14.3 U	15 U	73.3 U	146 U	14.2 U
cis-Chlordane	4200	2900	UG/KG	2.2 U	2.3 U	11.3 U	22.5 U	2.19 U
Delta BHC (Delta Hexachlorocyclohexane)	100000	250	UG/KG	1.76 U	1.84 U	9.02 U	18 U	1.75 U
Dieldrin	200	100	UG/KG	1.1 U	1.15 U	5.64 U	11.3 U	1.1 U
Endosulfan Sulfate	24000	1000000	UG/KG	0.734 U	0.768 U	3.76 U	7.51 U	0.73 U
Endrin	11000	60	UG/KG	0.734 U	0.768 U	3.76 U	7.51 U	0.73 U
Endrin Aldehyde	--	--	UG/KG	2.2 U	2.3 U	11.3 U	22.5 U	2.19 U
Endrin Ketone	--	--	UG/KG	1.76 U	1.84 U	9.02 U	18 U	1.75 U
Gamma Bhc (Lindane)	1300	100	UG/KG	0.734 U	0.768 U	3.76 U	7.51 U	0.73 U
Heptachlor	2100	380	UG/KG	0.88 U	0.921 U	4.51 U	9.01 U	0.876 U
Heptachlor Epoxide	--	--	UG/KG	3.3 U	3.45 U	16.9 U	33.8 U	3.28 U
Methoxychlor	--	--	UG/KG	3.3 U	3.45 U	16.9 U	33.8 U	3.28 U
P,P'-DDD	13000	14000	UG/KG	1.76 U	1.84 U	9.02 U	18.5	1.75 U
P,P'-DDE	8900	17000	UG/KG	1.76 U	1.84 U	9.02 U	44.3 P	1.75 U
P,P'-DDT	7900	136000	UG/KG	3 J	3.45 U	16.9 U	25.2 J	3.28 U
Toxaphene	--	--	UG/KG	33 U	34.5 U	169 U	338 U	32.8 U
trans-Chlordane	--	--	UG/KG	2.2 U	2.3 U	11.3 U	22.5 U	2.19 U

Table 6. Summary of Pesticides and in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A6	A7	A8	A9	B1
			Sample Date:	07/12/2018	07/12/2018	07/12/2018	07/11/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	97	190	UG/KG	16.9 U	1.71 U	1.69 U	1.72 U	94.8 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	480	20	UG/KG	7.06 U	0.713 U	0.703 U	0.718 U	39.5 U
Alpha Endosulfan	24000	102000	UG/KG	16.9 U	1.71 U	1.69 U	1.72 U	94.8 U
Beta Bhc (Beta Hexachlorocyclohexane)	360	90	UG/KG	16.9 U	1.71 U	1.69 U	1.72 U	94.8 U
Beta Endosulfan	24000	102000	UG/KG	16.9 U	1.71 U	1.69 U	1.72 U	94.8 U
Chlordane	--	--	UG/KG	138 U	13.9 U	13.7 U	14 U	770 U
cis-Chlordane	4200	2900	UG/KG	21.2 U	2.14 U	2.11 U	2.15 U	118 U
Delta BHC (Delta Hexachlorocyclohexane)	100000	250	UG/KG	16.9 U	1.71 U	1.69 U	1.72 U	94.8 U
Dieldrin	200	100	UG/KG	10.6 U	1.07 U	1.05 U	1.08 U	59.2 U
Endosulfan Sulfate	24000	1000000	UG/KG	7.06 U	0.713 U	0.703 U	0.718 U	39.5 U
Endrin	11000	60	UG/KG	7.06 U	0.713 U	0.703 U	0.718 U	39.5 U
Endrin Aldehyde	--	--	UG/KG	21.2 U	2.14 U	2.11 U	2.15 U	118 U
Endrin Ketone	--	--	UG/KG	16.9 U	1.71 U	1.69 U	1.72 U	94.8 U
Gamma Bhc (Lindane)	1300	100	UG/KG	7.06 U	0.713 U	0.703 U	0.718 U	39.5 U
Heptachlor	2100	380	UG/KG	8.47 U	0.856 U	0.843 U	0.862 U	47.4 U
Heptachlor Epoxide	--	--	UG/KG	31.8 U	3.21 U	3.16 U	3.23 U	178 U
Methoxychlor	--	--	UG/KG	31.8 U	3.21 U	3.16 U	3.23 U	178 U
P,P'-DDD	13000	14000	UG/KG	16.9 U	1.71 U	1.69 U	1.72 U	94.8 U
P,P'-DDE	8900	17000	UG/KG	16.9 U	1.71 U	1.69 U	1.72 U	94.8 U
P,P'-DDT	7900	136000	UG/KG	31.8 U	3.21 U	3.16 U	3.23 U	178 U
Toxaphene	--	--	UG/KG	318 U	32.1 U	31.6 U	32.3 U	1780 U
trans-Chlordane	--	--	UG/KG	21.2 U	2.14 U	2.11 U	2.15 U	118 U

Table 6. Summary of Pesticides and in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B10	B11	B12	B13	B14
			Sample Date:	07/11/2018	07/09/2018	07/09/2018	07/17/2018	07/17/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	97	190	UG/KG	1.79 U	1.94 U	1.84 U	1.8 U	1.83 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	480	20	UG/KG	0.747 U	0.808 U	0.765 U	0.748 U	0.761 U
Alpha Endosulfan	24000	102000	UG/KG	1.79 U	1.94 U	1.84 U	1.8 U	1.83 U
Beta Bhc (Beta Hexachlorocyclohexane)	360	90	UG/KG	1.79 U	1.94 U	1.84 U	1.8 U	1.83 U
Beta Endosulfan	24000	102000	UG/KG	1.79 U	1.94 U	1.84 U	1.8 U	1.83 U
Chlordane	--	--	UG/KG	14.6 U	15.8 U	14.9 U	14.6 U	14.8 U
cis-Chlordane	4200	2900	UG/KG	2.24 U	2.42 U	2.3 U	2.24 U	2.28 U
Delta BHC (Delta Hexachlorocyclohexane)	100000	250	UG/KG	1.79 U	1.94 U	1.84 U	1.8 U	1.83 U
Dieldrin	200	100	UG/KG	1.12 U	1.21 U	1.15 U	1.12 U	1.14 U
Endosulfan Sulfate	24000	1000000	UG/KG	0.747 U	0.808 U	0.765 U	0.748 U	0.761 U
Endrin	11000	60	UG/KG	0.747 U	0.808 U	0.765 U	0.748 U	0.761 U
Endrin Aldehyde	--	--	UG/KG	2.24 U	2.42 U	2.3 U	2.24 U	2.28 U
Endrin Ketone	--	--	UG/KG	1.79 U	1.94 U	1.84 U	1.8 U	1.83 U
Gamma Bhc (Lindane)	1300	100	UG/KG	0.747 U	0.808 U	0.765 U	0.748 U	0.761 U
Heptachlor	2100	380	UG/KG	0.896 U	0.97 U	0.918 U	0.898 U	0.914 U
Heptachlor Epoxide	--	--	UG/KG	3.36 U	3.64 U	3.44 U	3.37 U	3.43 U
Methoxychlor	--	--	UG/KG	3.36 U	3.64 U	3.44 U	3.37 U	3.43 U
P,P'-DDD	13000	14000	UG/KG	1.79 U	1.94 U	1.84 U	1.8 U	1.83 U
P,P'-DDE	8900	17000	UG/KG	1.79 U	1.94 U	1.84 U	1.8 U	1.83 U
P,P'-DDT	7900	136000	UG/KG	3.36 U	3.64 U	3.44 U	3.37 U	3.43 U
Toxaphene	--	--	UG/KG	33.6 U	36.4 U	34.4 U	33.7 U	34.3 U
trans-Chlordane	--	--	UG/KG	2.24 U	2.42 U	2.3 U	2.24 U	2.28 U

Table 6. Summary of Pesticides and in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B15	B16	B17	B18	B19
			Sample Date:	07/16/2018	07/16/2018	07/16/2018	07/12/2018	07/12/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	97	190	UG/KG	8.91 U	1.8 U	1.86 U	18.5 U	1.88 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	480	20	UG/KG	3.71 U	0.748 U	0.776 U	7.72 U	0.785 U
Alpha Endosulfan	24000	102000	UG/KG	8.91 U	1.8 U	1.86 U	18.5 U	1.88 U
Beta Bhc (Beta Hexachlorocyclohexane)	360	90	UG/KG	8.91 U	1.8 U	1.86 U	18.5 U	1.88 U
Beta Endosulfan	24000	102000	UG/KG	8.91 U	1.8 U	1.86 U	18.5 U	1.88 U
Chlordane	--	--	UG/KG	72.4 U	14.6 U	15.1 U	151 U	15.3 U
cis-Chlordane	4200	2900	UG/KG	11.1 U	2.24 U	2.33 U	23.2 U	2.36 U
Delta BHC (Delta Hexachlorocyclohexane)	100000	250	UG/KG	8.91 U	1.8 U	1.86 U	18.5 U	1.88 U
Dieldrin	200	100	UG/KG	5.57 U	1.12 U	1.16 U	11.6 U	1.18 U
Endosulfan Sulfate	24000	1000000	UG/KG	3.71 U	0.748 U	0.776 U	7.72 U	0.785 U
Endrin	11000	60	UG/KG	3.71 U	0.748 U	0.776 U	7.72 U	0.785 U
Endrin Aldehyde	--	--	UG/KG	11.1 U	2.24 U	2.33 U	23.2 U	2.36 U
Endrin Ketone	--	--	UG/KG	8.91 U	1.8 U	1.86 U	18.5 U	1.88 U
Gamma Bhc (Lindane)	1300	100	UG/KG	3.71 U	0.748 U	0.776 U	7.72 U	0.785 U
Heptachlor	2100	380	UG/KG	4.46 U	0.898 U	0.932 U	9.27 U	0.942 U
Heptachlor Epoxide	--	--	UG/KG	16.7 U	3.37 U	3.49 U	34.8 U	3.53 U
Methoxychlor	--	--	UG/KG	16.7 U	3.37 U	3.49 U	34.8 U	3.53 U
P,P'-DDD	13000	14000	UG/KG	8.91 U	1.8 U	1.86 U	18.5 U	1.88 U
P,P'-DDE	8900	17000	UG/KG	8.91 U	1.8 U	1.86 U	18.5 U	1.88 U
P,P'-DDT	7900	136000	UG/KG	16.7 U	3.37 U	3.49 U	34.8 U	3.53 U
Toxaphene	--	--	UG/KG	167 U	33.7 U	34.9 U	348 U	35.3 U
trans-Chlordane	--	--	UG/KG	11.1 U	2.24 U	2.33 U	23.2 U	2.36 U

Table 6. Summary of Pesticides and in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B2	B20	B21	B22	B23
			Sample Date:	07/17/2018	07/11/2018	07/10/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	97	190	UG/KG	37.9 U	1.85 U	1.78 U	1.78 U	1.92 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	480	20	UG/KG	15.8 U	0.772 U	0.741 U	0.74 U	0.8 U
Alpha Endosulfan	24000	102000	UG/KG	37.9 U	1.85 U	1.78 U	1.78 U	1.92 U
Beta Bhc (Beta Hexachlorocyclohexane)	360	90	UG/KG	37.9 U	1.85 U	1.78 U	1.78 U	1.92 U
Beta Endosulfan	24000	102000	UG/KG	37.9 U	1.85 U	1.78 U	1.78 U	1.92 U
Chlordane	--	--	UG/KG	308 U	15 U	14.4 U	14.4 U	15.6 U
cis-Chlordane	4200	2900	UG/KG	47.4 U	2.32 U	2.22 U	2.22 U	2.4 U
Delta BHC (Delta Hexachlorocyclohexane)	100000	250	UG/KG	37.9 U	1.85 U	1.78 U	1.78 U	1.92 U
Dieldrin	200	100	UG/KG	23.7 U	1.16 U	1.11 U	1.11 U	1.2 U
Endosulfan Sulfate	24000	1000000	UG/KG	15.8 U	0.772 U	0.741 U	0.74 U	0.8 U
Endrin	11000	60	UG/KG	15.8 U	0.772 U	0.741 U	0.74 U	0.8 U
Endrin Aldehyde	--	--	UG/KG	47.4 U	2.32 U	2.22 U	2.22 U	2.4 U
Endrin Ketone	--	--	UG/KG	37.9 U	1.85 U	1.78 U	1.78 U	1.92 U
Gamma Bhc (Lindane)	1300	100	UG/KG	15.8 U	0.772 U	0.741 U	0.74 U	0.8 U
Heptachlor	2100	380	UG/KG	19 U	0.926 U	0.889 U	0.888 U	0.96 U
Heptachlor Epoxide	--	--	UG/KG	71.1 U	3.47 U	3.33 U	3.33 U	3.6 U
Methoxychlor	--	--	UG/KG	71.1 U	3.47 U	3.33 U	3.33 U	3.6 U
P,P'-DDD	13000	14000	UG/KG	37.9 U	1.85 U	1.78 U	1.78 U	1.92 U
P,P'-DDE	8900	17000	UG/KG	37.9 U	1.85 U	1.78 U	1.78 U	1.92 U
P,P'-DDT	7900	136000	UG/KG	71.1 U	3.47 U	3.33 U	3.33 U	3.6 U
Toxaphene	--	--	UG/KG	711 U	34.7 U	33.3 U	33.3 U	36 U
trans-Chlordane	--	--	UG/KG	47.4 U	2.32 U	2.22 U	2.22 U	2.4 U

Table 6. Summary of Pesticides and in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B24	B3	B4	B5	B6
			Sample Date:	07/10/2018	07/13/2018	07/13/2018	07/13/2018	07/12/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	97	190	UG/KG	1.87 U	48.1 U	2.11 U	1.78 U	17.8 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	480	20	UG/KG	0.781 U	20 U	0.878 U	0.744 U	7.43 U
Alpha Endosulfan	24000	102000	UG/KG	1.87 U	48.1 U	2.11 U	1.78 U	17.8 U
Beta Bhc (Beta Hexachlorocyclohexane)	360	90	UG/KG	1.87 U	48.1 U	2.11 U	1.78 U	17.8 U
Beta Endosulfan	24000	102000	UG/KG	1.87 U	48.1 U	2.11 U	1.78 U	17.8 U
Chlordane	--	--	UG/KG	15.2 U	390 U	17.1 U	14.5 U	145 U
cis-Chlordane	4200	2900	UG/KG	2.34 U	60.1 U	2.64 U	2.23 U	22.3 U
Delta BHC (Delta Hexachlorocyclohexane)	100000	250	UG/KG	1.87 U	48.1 U	2.11 U	1.78 U	17.8 U
Dieldrin	200	100	UG/KG	1.17 U	30 U	1.32 U	1.12 U	11.1 U
Endosulfan Sulfate	24000	1000000	UG/KG	0.781 U	20 U	0.878 U	0.744 U	7.43 U
Endrin	11000	60	UG/KG	0.781 U	20 U	0.878 U	0.744 U	7.43 U
Endrin Aldehyde	--	--	UG/KG	2.34 U	60.1 U	2.64 U	2.23 U	22.3 U
Endrin Ketone	--	--	UG/KG	1.87 U	48.1 U	2.11 U	1.78 U	17.8 U
Gamma Bhc (Lindane)	1300	100	UG/KG	0.781 U	20 U	0.878 U	0.744 U	7.43 U
Heptachlor	2100	380	UG/KG	0.937 U	24 U	1.05 U	0.893 U	8.92 U
Heptachlor Epoxide	--	--	UG/KG	3.51 U	90.1 U	3.95 U	3.35 U	33.4 U
Methoxychlor	--	--	UG/KG	3.51 U	90.1 U	3.95 U	3.35 U	33.4 U
P,P'-DDD	13000	14000	UG/KG	1.87 U	48.1 U	2.11 U	1.78 U	17.8 U
P,P'-DDE	8900	17000	UG/KG	1.87 U	48.1 U	2.11 U	1.78 U	17.8 U
P,P'-DDT	7900	136000	UG/KG	3.51 U	90.1 U	3.95 U	3.35 U	33.4 U
Toxaphene	--	--	UG/KG	35.1 U	901 U	39.5 U	33.5 U	334 U
trans-Chlordane	--	--	UG/KG	2.34 U	60.1 U	2.64 U	2.23 U	22.3 U

Table 6. Summary of Pesticides and in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B7	B8	B9	C1	C10
			Sample Date:	07/12/2018	07/12/2018	07/11/2018	07/17/2018	07/11/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	97	190	UG/KG	1.72 U	1.81 U	1.76 U	70.8 U	1.93 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	480	20	UG/KG	0.715 U	0.753 U	0.734 U	29.5 U	0.805 U
Alpha Endosulfan	24000	102000	UG/KG	1.72 U	1.81 U	1.76 U	70.8 U	1.93 U
Beta Bhc (Beta Hexachlorocyclohexane)	360	90	UG/KG	1.72 U	1.81 U	1.76 U	70.8 U	1.93 U
Beta Endosulfan	24000	102000	UG/KG	1.72 U	1.81 U	1.76 U	70.8 U	1.93 U
Chlordane	--	--	UG/KG	13.9 U	14.7 U	14.3 U	575 U	15.7 U
cis-Chlordane	4200	2900	UG/KG	2.14 U	2.26 U	2.2 U	88.5 U	2.41 U
Delta BHC (Delta Hexachlorocyclohexane)	100000	250	UG/KG	1.72 U	1.81 U	1.76 U	70.8 U	1.93 U
Dieldrin	200	100	UG/KG	1.07 U	1.13 U	1.1 U	44.2 U	1.21 U
Endosulfan Sulfate	24000	1000000	UG/KG	0.715 U	0.753 U	0.734 U	29.5 U	0.805 U
Endrin	11000	60	UG/KG	0.715 U	0.753 U	0.734 U	29.5 U	0.805 U
Endrin Aldehyde	--	--	UG/KG	2.14 U	2.26 U	2.2 U	88.5 U	2.41 U
Endrin Ketone	--	--	UG/KG	1.72 U	1.81 U	1.76 U	70.8 U	1.93 U
Gamma Bhc (Lindane)	1300	100	UG/KG	0.715 U	0.753 U	0.734 U	29.5 U	0.805 U
Heptachlor	2100	380	UG/KG	0.858 U	0.904 U	0.881 U	35.4 U	0.966 U
Heptachlor Epoxide	--	--	UG/KG	3.22 U	3.39 U	3.3 U	133 U	3.62 U
Methoxychlor	--	--	UG/KG	3.22 U	3.39 U	3.3 U	133 U	3.62 U
P,P'-DDD	13000	14000	UG/KG	1.72 U	1.81 U	1.76 U	70.8 U	1.93 U
P,P'-DDE	8900	17000	UG/KG	1.72 U	1.81 U	1.76 U	70.8 U	1.93 U
P,P'-DDT	7900	136000	UG/KG	3.22 U	3.39 U	3.3 U	133 U	3.62 U
Toxaphene	--	--	UG/KG	32.2 U	33.9 U	33 U	1330 U	36.2 U
trans-Chlordane	--	--	UG/KG	2.14 U	2.26 U	2.2 U	88.5 U	2.41 U

Table 6. Summary of Pesticides and in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C11	C12	C2	C3	C4
			Sample Date:	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/12/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	97	190	UG/KG	1.89 U	1.88 U	45.7 U	19.8 U	1.95 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	480	20	UG/KG	0.789 U	0.781 U	19.1 U	8.26 U	0.813 U
Alpha Endosulfan	24000	102000	UG/KG	1.89 U	1.88 U	45.7 U	19.8 U	1.95 U
Beta Bhc (Beta Hexachlorocyclohexane)	360	90	UG/KG	1.89 U	1.88 U	45.7 U	19.8 U	1.95 U
Beta Endosulfan	24000	102000	UG/KG	1.89 U	1.88 U	45.7 U	19.8 U	1.95 U
Chlordane	--	--	UG/KG	15.4 U	15.2 U	372 U	161 U	15.9 U
cis-Chlordane	4200	2900	UG/KG	2.37 U	2.34 U	57.2 U	24.8 U	2.44 U
Delta BHC (Delta Hexachlorocyclohexane)	100000	250	UG/KG	1.89 U	1.88 U	45.7 U	19.8 U	1.95 U
Dieldrin	200	100	UG/KG	1.18 U	1.17 U	28.6 U	12.4 U	1.22 U
Endosulfan Sulfate	24000	1000000	UG/KG	0.789 U	0.781 U	19.1 U	8.26 U	0.813 U
Endrin	11000	60	UG/KG	0.789 U	0.781 U	19.1 U	8.26 U	0.813 U
Endrin Aldehyde	--	--	UG/KG	2.37 U	2.34 U	57.2 U	24.8 U	2.44 U
Endrin Ketone	--	--	UG/KG	1.89 U	1.88 U	45.7 U	19.8 U	1.95 U
Gamma Bhc (Lindane)	1300	100	UG/KG	0.789 U	0.781 U	19.1 U	8.26 U	0.813 U
Heptachlor	2100	380	UG/KG	0.946 U	0.938 U	22.9 U	9.92 U	0.976 U
Heptachlor Epoxide	--	--	UG/KG	3.55 U	3.52 U	85.8 U	37.2 U	3.66 U
Methoxychlor	--	--	UG/KG	3.55 U	3.52 U	85.8 U	37.2 U	3.66 U
P,P'-DDD	13000	14000	UG/KG	1.89 U	1.88 U	45.7 U	19.8 U	1.95 U
P,P'-DDE	8900	17000	UG/KG	1.89 U	1.88 U	45.7 U	19.8 U	1.95 U
P,P'-DDT	7900	136000	UG/KG	3.55 U	3.52 U	85.8 U	37.2 U	3.66 U
Toxaphene	--	--	UG/KG	35.5 U	35.2 U	858 U	372 U	36.6 U
trans-Chlordane	--	--	UG/KG	2.37 U	2.34 U	57.2 U	24.8 U	2.44 U

Table 6. Summary of Pesticides and in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C5	C6	C7	C8	C9
			Sample Date:	07/11/2018	07/09/2018	07/17/2018	07/16/2018	07/16/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	97	190	UG/KG	1.78 U	1.78 U	2.05 U	1.92 U	1.92 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	480	20	UG/KG	0.74 U	0.74 U	0.856 U	0.798 U	0.798 U
Alpha Endosulfan	24000	102000	UG/KG	1.78 U	1.78 U	2.05 U	1.92 U	1.92 U
Beta Bhc (Beta Hexachlorocyclohexane)	360	90	UG/KG	1.78 U	1.78 U	2.05 U	1.92 U	1.92 U
Beta Endosulfan	24000	102000	UG/KG	1.78 U	1.78 U	2.05 U	1.92 U	1.92 U
Chlordane	--	--	UG/KG	14.4 U	14.4 U	16.7 U	15.6 U	15.6 U
cis-Chlordane	4200	2900	UG/KG	2.22 U	2.22 U	2.57 U	2.39 U	2.39 U
Delta BHC (Delta Hexachlorocyclohexane)	100000	250	UG/KG	1.78 U	1.78 U	2.05 U	1.92 U	1.92 U
Dieldrin	200	100	UG/KG	1.11 U	1.11 U	1.28 U	1.2 U	1.2 U
Endosulfan Sulfate	24000	1000000	UG/KG	0.74 U	0.74 U	0.856 U	0.798 U	0.798 U
Endrin	11000	60	UG/KG	0.74 U	0.74 U	0.856 U	0.798 U	0.798 U
Endrin Aldehyde	--	--	UG/KG	2.22 U	2.22 U	2.57 U	2.39 U	2.39 U
Endrin Ketone	--	--	UG/KG	1.78 U	1.78 U	2.05 U	1.92 U	1.92 U
Gamma Bhc (Lindane)	1300	100	UG/KG	0.74 U	0.74 U	0.856 U	0.798 U	0.798 U
Heptachlor	2100	380	UG/KG	0.888 U	0.888 U	1.03 U	0.958 U	0.958 U
Heptachlor Epoxide	--	--	UG/KG	3.33 U	3.33 U	3.85 U	3.59 U	3.59 U
Methoxychlor	--	--	UG/KG	3.33 U	3.33 U	3.85 U	3.59 U	3.59 U
P,P'-DDD	13000	14000	UG/KG	1.78 U	1.78 U	2.05 U	1.92 U	1.92 U
P,P'-DDE	8900	17000	UG/KG	1.78 U	1.78 U	1.5 J	1.92 U	1.92 U
P,P'-DDT	7900	136000	UG/KG	3.33 U	3.33 U	3.85 U	3.59 U	3.59 U
Toxaphene	--	--	UG/KG	33.3 U	33.3 U	38.5 U	35.9 U	35.9 U
trans-Chlordane	--	--	UG/KG	2.22 U	2.22 U	2.57 U	2.39 U	2.39 U

Table 6. Summary of Pesticides and in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	WFWC1	WFWC2	WFWC3	WFWC4	WFWC5
			Sample Date:	07/18/2018	07/18/2018	07/19/2018	07/19/2018	07/19/2018
			Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5	0 - 10	0 - 11
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit					
Aldrin	97	190	UG/KG	1.81 U	1.67 U	1.86 U	1.72 U	2.04 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	480	20	UG/KG	0.755 U	0.698 U	0.776 U	0.716 U	0.849 U
Alpha Endosulfan	24000	102000	UG/KG	1.81 U	1.67 U	1.86 U	1.72 U	2.04 U
Beta Bhc (Beta Hexachlorocyclohexane)	360	90	UG/KG	1.81 U	1.67 U	1.86 U	1.72 U	2.04 U
Beta Endosulfan	24000	102000	UG/KG	1.81 U	1.67 U	1.86 U	1.72 U	2.04 U
Chlordane	--	--	UG/KG	14.7 U	13.6 U	15.1 U	14 U	16.6 U
cis-Chlordane	4200	2900	UG/KG	2.27 U	2.09 U	2.33 U	2.15 U	2.55 U
Delta BHC (Delta Hexachlorocyclohexane)	100000	250	UG/KG	1.81 U	1.67 U	1.86 U	1.72 U	2.04 U
Dieldrin	200	100	UG/KG	1.13 U	1.05 U	1.16 U	1.07 U	1.27 U
Endosulfan Sulfate	24000	1000000	UG/KG	0.755 U	0.698 U	0.776 U	0.716 U	0.849 U
Endrin	11000	60	UG/KG	0.755 U	0.698 U	0.776 U	0.716 U	0.849 U
Endrin Aldehyde	--	--	UG/KG	2.27 U	2.09 U	2.33 U	2.15 U	2.55 U
Endrin Ketone	--	--	UG/KG	1.81 U	1.67 U	1.86 U	1.72 U	2.04 U
Gamma Bhc (Lindane)	1300	100	UG/KG	0.755 U	0.698 U	0.776 U	0.716 U	0.849 U
Heptachlor	2100	380	UG/KG	0.906 U	0.837 U	0.931 U	0.859 U	1.02 U
Heptachlor Epoxide	--	--	UG/KG	3.4 U	3.14 U	3.49 U	3.22 U	3.82 U
Methoxychlor	--	--	UG/KG	3.4 U	3.14 U	3.49 U	3.22 U	3.82 U
P,P'-DDD	13000	14000	UG/KG	1.81 U	1.67 U	1.86 U	1.72 U	2.04 U
P,P'-DDE	8900	17000	UG/KG	1.81 U	1.67 U	1.86 U	1.72 U	2.04 U
P,P'-DDT	7900	136000	UG/KG	3.4 U	3.14 U	3.49 U	3.22 U	3.82 U
Toxaphene	--	--	UG/KG	34 U	31.4 U	34.9 U	32.2 U	38.2 U
trans-Chlordane	--	--	UG/KG	2.27 U	2.09 U	2.33 U	2.15 U	2.55 U

Table 7. Summary of Total Extractable Petroleum Hydrocarbons in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A1	A10	A11	A12	A13	A14
			Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Total Extractable Petroleum Hydrocarbons	--	--	MG/KG	318	26.4 U	27.6 U	26.6 U	62.5	46.1

Table 7. Summary of Total Extractable Petroleum Hydrocarbons in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A15	A16	A17	A18	A19	A2
			Sample Date:	07/16/2018	07/16/2018	07/16/2018	07/12/2018	07/12/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Total Extractable Petroleum Hydrocarbons	--	--	MG/KG	93.5	82.6	55.1	95.6	365	132

Table 7. Summary of Total Extractable Petroleum Hydrocarbons in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A20	A21	A22	A22	A23	A24
			Sample Date:	07/11/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	6.5 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Total Extractable Petroleum Hydrocarbons	--	--	MG/KG	174	26.8 U	26 U	29500	26.5 U	27.5 U

Table 7. Summary of Total Extractable Petroleum Hydrocarbons in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A3	A4	A5	A6	A7	A8
			Sample Date:	07/13/2018	07/13/2018	07/13/2018	07/12/2018	07/12/2018	07/12/2018
			Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Total Extractable Petroleum Hydrocarbons	--	--	MG/KG	212	41.4	26.8 U	25.4 U	46.3	25.9 U

Table 7. Summary of Total Extractable Petroleum Hydrocarbons in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A9	B1	B10	B11	B12	B13
			Sample Date:	07/11/2018	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Total Extractable Petroleum Hydrocarbons	--	--	MG/KG	26.6 U	28.5 U	27.2 U	29.1 U	27.8 U	27.6 U

Table 7. Summary of Total Extractable Petroleum Hydrocarbons in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B14	B15	B16	B17	B18	B19
			Sample Date:	07/17/2018	07/16/2018	07/16/2018	07/16/2018	07/12/2018	07/12/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Total Extractable Petroleum Hydrocarbons	--	--	MG/KG	27.3 U	26.7 U	40.1	29 U	41.2	27.6 U

Table 7. Summary of Total Extractable Petroleum Hydrocarbons in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B2	B20	B21	B22	B23	B24
			Sample Date:	07/17/2018	07/11/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Total Extractable Petroleum Hydrocarbons	--	--	MG/KG	27.7 U	27.5 U	26.3 U	26.8 U	28.5 U	28.9 U

Table 7. Summary of Total Extractable Petroleum Hydrocarbons in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B3	B4	B5	B6	B7	B8
			Sample Date:	07/13/2018	07/13/2018	07/13/2018	07/12/2018	07/12/2018	07/12/2018
			Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Total Extractable Petroleum Hydrocarbons	--	--	MG/KG	233	332	82.4	81	27.2 U	27.3 U

Table 7. Summary of Total Extractable Petroleum Hydrocarbons in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B9	C1	C10	C11	C12	C2
			Sample Date:	07/11/2018	07/17/2018	07/11/2018	07/10/2018	07/10/2018	07/13/2018
			Sample Depth (ft bls):	7.5 - 15	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Total Extractable Petroleum Hydrocarbons	--	--	MG/KG	26.3 U	111	28.4 U	27.5 U	54.9	65.6

Table 7. Summary of Total Extractable Petroleum Hydrocarbons in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C3	C4	C5	C6	C7	C8
			Sample Date:	07/13/2018	07/12/2018	07/11/2018	07/09/2018	07/17/2018	07/16/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Total Extractable Petroleum Hydrocarbons	--	--	MG/KG	29.9 U	50.1	26.8 U	26.3 U	43	27.9 U

Table 7. Summary of Total Extractable Petroleum Hydrocarbons in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C9	WFWC1	WFWC2	WFWC3	WFWC4	WFWC5
			Sample Date:	07/16/2018	07/18/2018	07/18/2018	07/19/2018	07/19/2018	07/19/2018
			Sample Depth (ft bls):	15 - 20	0 - 5	0 - 5	0 - 5	0 - 10	0 - 11
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit						
Total Extractable Petroleum Hydrocarbons	--	--	MG/KG	27.9 U	716	501	40.9	1290	290

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A1	A1	A10	A10	A11	A11	A12	A12
			Sample Date:	07/17/2018	07/17/2018	07/11/2018	07/11/2018	07/09/2018	07/09/2018	07/09/2018	07/09/2018
			Sample Depth (ft bls):	0 - 7.5	4 - 4	0 - 7.5	5 - 5	0 - 7.5	4 - 4	0 - 7.5	4 - 4
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	7.4	NA	4.7	NA	6.4	NA	9.2	NA
Ignitability	--	--	NONE	0 U	NA	0 U	NA	0 U	NA	0 U	NA
Paint Filter	--	--	NONE	0	NA	0	NA	0	NA	0	NA
Reactive Cyanide	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Sulfide Reactive	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Total Solids	--	--	PERCENT	91.4	97	87.4	83.5	83.9	89.1	86.3	83.6

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A13	A13	A14	A14	A15	A15	A16	A16
			Sample Date:	07/17/2018	07/17/2018	07/17/2018	07/17/2018	07/16/2018	07/16/2018	07/16/2018	07/16/2018
			Sample Depth (ft bls):	0 - 7.5	6 - 6	0 - 7.5	3 - 3	0 - 7.5	2 - 2	0 - 7.5	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	7.8	NA	7.8	NA	7.4	NA	7.7	NA
Ignitability	--	--	NONE	0 U	NA	0 U	NA	0 U	NA	0 U	NA
Paint Filter	--	--	NONE	0	NA	0	NA	0	NA	0	NA
Reactive Cyanide	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Sulfide Reactive	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Total Solids	--	--	PERCENT	89.8	88.9	90.9	94	85.4	89.5	85	84

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A17	A17	A18	A18	A19	A19	A2	A2
			Sample Date:	07/16/2018	07/16/2018	07/12/2018	07/12/2018	07/12/2018	07/12/2018	07/17/2018	07/17/2018
			Sample Depth (ft bls):	0 - 7.5	2 - 2	0 - 7.5	6 - 6	0 - 7.5	3 - 3	0 - 7.5	4.5 - 4.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	8.8	NA	8	NA	7.5	NA	8	NA
Ignitability	--	--	NONE	0 U	NA	0 U	NA	0 U	NA	0 U	NA
Paint Filter	--	--	NONE	0	NA	0	NA	0	NA	0	NA
Reactive Cyanide	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Sulfide Reactive	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Total Solids	--	--	PERCENT	87.1	89.6	89.8	93.1	88.5	88	83.2	95.6

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A20	A20	A21	A21	A22	A22	A22	A23
			Sample Date:	07/11/2018	07/11/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	0 - 7.5	6 - 6	0 - 7.5	4 - 4	0 - 7.5	4 - 4	6.5 - 7.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	7.8	NA	7.4	NA	7.7	NA	NA	6.7
Ignitability	--	--	NONE	0 U	NA	0 U	NA	0 U	NA	NA	0 U
Paint Filter	--	--	NONE	0	NA	0	NA	0	NA	NA	0
Reactive Cyanide	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	NA	10 U
Sulfide Reactive	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	NA	10 U
Total Solids	--	--	PERCENT	86.9	62.6	84.4	86.1	89.1	87.7	70	86.6

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A23	A24	A24	A3	A3	A4	A4	A5
			Sample Date:	07/10/2018	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/13/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	7 - 7	0 - 7.5	5 - 5	0 - 7.5	5 - 5	0 - 7.5	6 - 6	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	NA	7.4	NA	7.8	NA	7.8	NA	7.1
Ignitability	--	--	NONE	NA	0 U	NA	0 U	NA	0 U	NA	0 U
Paint Filter	--	--	NONE	NA	0	NA	0	NA	0	NA	0
Reactive Cyanide	--	--	MG/KG	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Sulfide Reactive	--	--	MG/KG	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Total Solids	--	--	PERCENT	88	83.3	86.9	87.6	79.7	86.4	81.8	88.6

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A5	A6	A6	A7	A7	A8	A8	A9
			Sample Date:	07/13/2018	07/12/2018	07/12/2018	07/12/2018	07/12/2018	07/12/2018	07/12/2018	07/11/2018
			Sample Depth (ft bls):	4 - 4	0 - 7.5	4 - 4	0 - 7.5	4 - 4	0 - 7.5	3.5 - 3.5	0 - 7.5
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	NA	4.6	NA	7	NA	6.8	NA	6.1
Ignitability	--	--	NONE	NA	0 U	NA	0 U	NA	0 U	NA	0 U
Paint Filter	--	--	NONE	NA	0	NA	0	NA	0	NA	0
Reactive Cyanide	--	--	MG/KG	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Sulfide Reactive	--	--	MG/KG	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Total Solids	--	--	PERCENT	87.8	88.8	90.2	90.4	94	91.4	91.4	89

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	A9	B1	B1	B10	B10	B11	B11	B12
			Sample Date:	07/11/2018	07/17/2018	07/17/2018	07/11/2018	07/11/2018	07/09/2018	07/09/2018	07/09/2018
			Sample Depth (ft bls):	5 - 5	12 - 12	7.5 - 15	11 - 11	7.5 - 15	10 - 10	7.5 - 15	12 - 12
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	NA	NA	7.9	NA	5.9	NA	6	NA
Ignitability	--	--	NONE	NA	NA	0 U	NA	0 U	NA	0 U	NA
Paint Filter	--	--	NONE	NA	NA	0	NA	0	NA	0	NA
Reactive Cyanide	--	--	MG/KG	NA	NA	10 U	NA	10 U	NA	10 U	NA
Sulfide Reactive	--	--	MG/KG	NA	NA	73	NA	10 U	NA	10 U	NA
Total Solids	--	--	PERCENT	90.6	84.4	80.9	87.5	85.7	79.8	81.1	85.4

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B12	B13	B13	B14	B14	B15	B15	B16
			Sample Date:	07/09/2018	07/17/2018	07/17/2018	07/17/2018	07/17/2018	07/16/2018	07/16/2018	07/16/2018
			Sample Depth (ft bls):	7.5 - 15	11 - 11	7.5 - 15	11 - 11	7.5 - 15	12 - 12	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	5.1	NA	7.6	NA	7.8	NA	8	8.1
Ignitability	--	--	NONE	0 U	NA	0 U	NA	0 U	NA	0 U	0 U
Paint Filter	--	--	NONE	0	NA	0	NA	0	NA	0	0
Reactive Cyanide	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Sulfide Reactive	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Total Solids	--	--	PERCENT	85.2	86.2	85.2	85.9	86	84	85.8	85.1

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B16	B17	B17	B18	B18	B19	B19	B2
			Sample Date:	07/16/2018	07/16/2018	07/16/2018	07/12/2018	07/12/2018	07/12/2018	07/12/2018	07/17/2018
			Sample Depth (ft bls):	9 - 9	12 - 12	7.5 - 15	14 - 14	7.5 - 15	10 - 10	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	NA	NA	8.2	NA	10	NA	7.3	8.7
Ignitability	--	--	NONE	NA	NA	0 U	NA	0 U	NA	0 U	0 U
Paint Filter	--	--	NONE	NA	NA	0	NA	0	NA	0	0
Reactive Cyanide	--	--	MG/KG	NA	NA	10 U	NA	10 U	NA	10 U	10 U
Sulfide Reactive	--	--	MG/KG	NA	NA	10 U	NA	10 U	NA	10 U	14
Total Solids	--	--	PERCENT	79.6	78.8	81.5	80.5	83.9	78.8	83.2	82.8

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B2	B20	B20	B21	B21	B22	B22	B23
			Sample Date:	07/17/2018	07/11/2018	07/11/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	9 - 9	11 - 11	7.5 - 15	11 - 11	7.5 - 15	10 - 10	7.5 - 15	10 - 10
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	NA	NA	8.4	NA	7.3	NA	7.3	NA
Ignitability	--	--	NONE	NA	NA	0 U	NA	0 U	NA	0 U	NA
Paint Filter	--	--	NONE	NA	NA	0	NA	0	NA	0	NA
Reactive Cyanide	--	--	MG/KG	NA	NA	10 U	NA	10 U	NA	10 U	NA
Sulfide Reactive	--	--	MG/KG	NA	NA	10 U	NA	10 U	NA	10 U	NA
Total Solids	--	--	PERCENT	85.1	79.6	83.2	86.1	87.2	86.8	84.9	86.2

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B23	B24	B24	B3	B3	B4	B4	B5
			Sample Date:	07/10/2018	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/13/2018	07/13/2018	07/13/2018
			Sample Depth (ft bls):	7.5 - 15	11 - 11	7.5 - 15	12 - 12	7.5 - 15	13.5 - 13.5	7.5 - 15	12 - 12
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	9.3	NA	9.1	NA	7.9	NA	7.8	NA
Ignitability	--	--	NONE	0 U	NA	0 U	NA	0 U	NA	0 U	NA
Paint Filter	--	--	NONE	0	NA	0	NA	0	NA	0	NA
Reactive Cyanide	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Sulfide Reactive	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Total Solids	--	--	PERCENT	81.2	82.9	82.1	57.8	66	77.6	72.6	86.1

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B5	B6	B6	B7	B7	B8	B8	B9
			Sample Date:	07/13/2018	07/12/2018	07/12/2018	07/12/2018	07/12/2018	07/12/2018	07/12/2018	07/11/2018
			Sample Depth (ft bls):	7.5 - 15	10 - 10	7.5 - 15	12 - 12	7.5 - 15	12 - 12	7.5 - 15	7.5 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	8	NA	7.9	NA	7.4	NA	5.4	6.9
Ignitability	--	--	NONE	0 U	NA	0 U	NA	0 U	NA	0 U	0 U
Paint Filter	--	--	NONE	0	NA	0	NA	0	NA	0	0
Reactive Cyanide	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Sulfide Reactive	--	--	MG/KG	10 U	NA	10 U	NA	10 U	NA	10 U	10 U
Total Solids	--	--	PERCENT	85.4	85.2	86.7	83.9	88.2	86.8	86.8	86.2

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	B9	C1	C1	C10	C10	C11	C11	C12
			Sample Date:	07/11/2018	07/17/2018	07/17/2018	07/11/2018	07/11/2018	07/10/2018	07/10/2018	07/10/2018
			Sample Depth (ft bls):	9 - 9	15 - 20	17 - 17	15 - 20	16 - 16	15 - 20	16 - 16	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	NA	7.9	NA	7.9	NA	8.5	NA	9.3
Ignitability	--	--	NONE	NA	0 U	NA	0 U	NA	0 U	NA	0 U
Paint Filter	--	--	NONE	NA	0	NA	0	NA	0	NA	0
Reactive Cyanide	--	--	MG/KG	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Sulfide Reactive	--	--	MG/KG	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Total Solids	--	--	PERCENT	85.8	55.2	82.9	79.5	83.1	82.7	81.6	81.4

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C12	C2	C2	C3	C3	C4	C4	C5
			Sample Date:	07/10/2018	07/13/2018	07/13/2018	07/13/2018	07/13/2018	07/12/2018	07/12/2018	07/11/2018
			Sample Depth (ft bls):	17 - 17	15 - 20	18 - 18	15 - 20	16 - 16	15 - 20	17 - 17	15 - 15
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	NA	8.1	NA	7.8	NA	7.2	NA	NA
Ignitability	--	--	NONE	NA	0 U	NA	0 U	NA	0 U	NA	NA
Paint Filter	--	--	NONE	NA	0	NA	0	NA	0	NA	NA
Reactive Cyanide	--	--	MG/KG	NA	10 U	NA	10 U	NA	10 U	NA	NA
Sulfide Reactive	--	--	MG/KG	NA	10 U	NA	10 U	NA	10 U	NA	NA
Total Solids	--	--	PERCENT	86.2	67	83.6	77.7	86.6	78.6	83.1	84.2

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C5	C6	C6	C7	C7	C8	C8	C9
			Sample Date:	07/11/2018	07/09/2018	07/09/2018	07/17/2018	07/17/2018	07/16/2018	07/16/2018	07/16/2018
			Sample Depth (ft bls):	15 - 20	15 - 20	17 - 17	15 - 20	16.5 - 16.5	15 - 20	17 - 17	15 - 20
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	7.4	8	NA	8.6	NA	8.4	NA	8.7
Ignitability	--	--	NONE	0 U	0 U	NA	0 U	NA	0 U	NA	0 U
Paint Filter	--	--	NONE	0	0	NA	0	NA	0	NA	0
Reactive Cyanide	--	--	MG/KG	10 U	10 U	NA	10 U	NA	10 U	NA	10 U
Sulfide Reactive	--	--	MG/KG	10 U	10 U	NA	10 U	NA	10 U	NA	10 U
Total Solids	--	--	PERCENT	86.3	86.2	86.9	75.7	85.5	81.3	78.4	81

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	C9	WFWC1	WFWC1	WFWC2	WFWC2	WFWC3	WFWC3	WFWC4
			Sample Date:	07/16/2018	07/18/2018	07/18/2018	07/18/2018	07/18/2018	07/19/2018	07/19/2018	07/19/2018
			Sample Depth (ft bls):	16 - 16	0 - 5	4 - 4	0 - 5	4 - 4	0 - 5	4 - 4	0 - 10
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit								
Hydrogen Cation	--	--	SU	NA	7.7	NA	7.9	NA	8.1	NA	7.9
Ignitability	--	--	NONE	NA	0 U	NA	0 U	NA	0 U	NA	0 U
Paint Filter	--	--	NONE	NA	0	NA	0	NA	0	NA	0
Reactive Cyanide	--	--	MG/KG	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Sulfide Reactive	--	--	MG/KG	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Total Solids	--	--	PERCENT	81.6	84.8	84.1	92.6	93.7	81.3	88	91.4

Table 8. Summary of General Chemistry in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	WFWC4	WFWC5	WFWC5
			Sample Date:	07/19/2018	07/19/2018	07/19/2018
			Sample Depth (ft bls):	4 - 4	0 - 11	6 - 6
Parameter	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Unit			
Hydrogen Cation	--	--	SU	NA	8.5	NA
Ignitability	--	--	NONE	NA	0 U	NA
Paint Filter	--	--	NONE	NA	0	NA
Reactive Cyanide	--	--	MG/KG	NA	10 U	NA
Sulfide Reactive	--	--	MG/KG	NA	10 U	NA
Total Solids	--	--	PERCENT	94.8	75.9	83.1

Table 9. Summary of TCLP Metals in Soil, Java Street Development, Greenpoint, New York

		Sample Designation:	A1	A10	A11	A12	A13	A14	A15	A16	A17
		Sample Date:	07/17/2018	07/11/2018	07/09/2018	07/09/2018	07/17/2018	07/17/2018	07/16/2018	07/16/2018	07/16/2018
		Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	USEPA Regulatory Levels (mg/L)	Unit									
Arsenic	5	MG/L	1 U	1 U	0.02 J	1 U	1 U	1 U	1 U	1 U	1 U
Barium	100	MG/L	0.371 J	0.218 J	0.312 J	0.23 J	0.443 J	0.358 J	0.359 J	0.25 J	0.424 J
Cadmium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chromium, Total	5	MG/L	0.2 U	0.2 U	0.2 U	0.029 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Lead	5	MG/L	0.127 J	0.5 U	0.5 U	0.173 J	0.434 J	0.107 J	0.133 J	0.033 J	0.039 J
Mercury	0.2	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Selenium	1	MG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	5	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table 9. Summary of TCLP Metals in Soil, Java Street Development, Greenpoint, New York

		Sample Designation:	A18	A19	A2	A20	A21	A22	A23	A24	A3
		Sample Date:	07/12/2018	07/12/2018	07/17/2018	07/11/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018	07/13/2018
		Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5
Parameter	USEPA Regulatory Levels (mg/L)	Unit									
Arsenic	5	MG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.021 J	1 U
Barium	100	MG/L	0.343 J	0.321 J	0.524	0.388 J	0.193 J	0.212 J	0.258 J	0.301 J	0.377 J
Cadmium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chromium, Total	5	MG/L	0.029 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.023 J
Lead	5	MG/L	0.5 U	0.06 J	0.848	0.076 J	0.5 U	0.5 U	0.033 J	0.5 U	0.22 J
Mercury	0.2	MG/L	0.001 U	0.0004 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Selenium	1	MG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	5	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table 9. Summary of TCLP Metals in Soil, Java Street Development, Greenpoint, New York

		Sample Designation:	A4	A5	A6	A7	A8	A9	B1	B10	B11
		Sample Date:	07/13/2018	07/13/2018	07/12/2018	07/12/2018	07/12/2018	07/11/2018	07/17/2018	07/11/2018	07/09/2018
		Sample Depth (ft bls):	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	0 - 7.5	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	USEPA Regulatory Levels (mg/L)	Unit									
Arsenic	5	MG/L	1 U	1 U	1 U	1 U	1 U	1 U	0.025 J	1 U	0.034 J
Barium	100	MG/L	0.54	0.278 J	0.142 J	0.37 J	0.297 J	0.318 J	0.215 J	0.339 J	0.448 J
Cadmium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chromium, Total	5	MG/L	0.2 U	0.031 J	0.026 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Lead	5	MG/L	0.287 J	0.5 U	0.173 J	0.198 J	0.083 J	0.5 U	0.129 J	0.5 U	0.5 U
Mercury	0.2	MG/L	0.001 U	0.001 U	0.001 U	0.0004 J	0.0004 J	0.0004 J	0.001 U	0.001 U	0.001 U
Selenium	1	MG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	5	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table 9. Summary of TCLP Metals in Soil, Java Street Development, Greenpoint, New York

		Sample Designation:	B12	B13	B14	B15	B16	B17	B18	B19	B2
		Sample Date:	07/09/2018	07/17/2018	07/17/2018	07/16/2018	07/16/2018	07/16/2018	07/12/2018	07/12/2018	07/17/2018
		Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	USEPA Regulatory Levels (mg/L)	Unit									
Arsenic	5	MG/L	1 U	1 U	1 U	1 U	0.03 J	1 U	1 U	1 U	1 U
Barium	100	MG/L	0.359 J	0.371 J	0.262 J	0.34 J	0.472 J	0.331 J	0.356 J	0.256 J	0.626
Cadmium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chromium, Total	5	MG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.032 J	0.028 J	0.2 U	0.2 U
Lead	5	MG/L	0.5 U	0.043 J	0.129 J	0.259 J	0.108 J	0.112 J	0.03 J	0.028 J	0.193 J
Mercury	0.2	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 J	0.001 U
Selenium	1	MG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.043 J	0.5 U	0.5 U
Silver	5	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table 9. Summary of TCLP Metals in Soil, Java Street Development, Greenpoint, New York

		Sample Designation:	B20	B21	B22	B23	B24	B3	B4	B5	B6
		Sample Date:	07/11/2018	07/10/2018	07/10/2018	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/13/2018	07/12/2018
		Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15	7.5 - 15
Parameter	USEPA Regulatory Levels (mg/L)	Unit									
Arsenic	5	MG/L	1 U	1 U	1 U	1 U	0.029 J	0.019 J	1 U	1 U	1 U
Barium	100	MG/L	0.327 J	0.279 J	0.263 J	0.302 J	0.403 J	0.297 J	0.639	0.256 J	0.304 J
Cadmium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chromium, Total	5	MG/L	0.2 U	0.2 U	0.2 U	0.035 J	0.2 U	0.2 U	0.028 J	0.034 J	0.029 J
Lead	5	MG/L	0.027 J	0.5 U	0.5 U	0.5 U	0.5 U	0.174 J	0.268 J	0.368 J	0.389 J
Mercury	0.2	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Selenium	1	MG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	5	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table 9. Summary of TCLP Metals in Soil, Java Street Development, Greenpoint, New York

		Sample Designation:	B7	B8	B9	C1	C10	C11	C12	C2	C3
		Sample Date:	07/12/2018	07/12/2018	07/11/2018	07/17/2018	07/11/2018	07/10/2018	07/10/2018	07/13/2018	07/13/2018
		Sample Depth (ft bls):	7.5 - 15	7.5 - 15	7.5 - 15	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter	USEPA Regulatory Levels (mg/L)	Unit									
Arsenic	5	MG/L	1 U	1 U	1 U	0.068 J	1 U	1 U	0.025 J	1 U	1 U
Barium	100	MG/L	0.282 J	0.344 J	0.44 J	0.134 J	0.419 J	0.259 J	0.463 J	0.141 J	0.394 J
Cadmium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chromium, Total	5	MG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.034 J
Lead	5	MG/L	0.034 J	0.037 J	0.5 U	0.5 U	0.5 U	0.5 U	0.048 J	0.059 J	0.5 U
Mercury	0.2	MG/L	0.0004 J	0.0004 J	0.0005 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Selenium	1	MG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	5	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table 9. Summary of TCLP Metals in Soil, Java Street Development, Greenpoint, New York

		Sample Designation:	C4	C5	C6	C7	C8	C9	WFWC1	WFWC2	WFWC3
		Sample Date:	07/12/2018	07/11/2018	07/09/2018	07/17/2018	07/16/2018	07/16/2018	07/18/2018	07/18/2018	07/19/2018
		Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20	0 - 5	0 - 5	0 - 5
Parameter	USEPA Regulatory Levels (mg/L)	Unit									
Arsenic	5	MG/L	1 U	1 U	0.019 J	1 U	1 U	1 U	1 U	1 U	1 U
Barium	100	MG/L	0.358 J	0.358 J	0.303 J	0.435 J	0.216 J	0.326 J	0.518	0.797	0.097 J
Cadmium	1	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chromium, Total	5	MG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Lead	5	MG/L	0.028 J	0.5 U	0.5 U	0.322 J	0.5 U	0.079 J	0.203 J	0.29 J	0.079 J
Mercury	0.2	MG/L	0.0005 J	0.0004 J	0.001 U	0.001 U	0.001 U	0.001 U	0.0006 J	0.0007 J	0.0006 J
Selenium	1	MG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	5	MG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table 9. Summary of TCLP Metals in Soil, Java Street Development, Greenpoint, New York

		Sample Designation:	WFWC4	WFWC5
		Sample Date:	07/19/2018	07/19/2018
		Sample Depth (ft bls):	0 - 10	0 - 11
Parameter	USEPA Regulatory Levels (mg/L)	Unit		
Arsenic	5	MG/L	1 U	1 U
Barium	100	MG/L	0.561	0.606
Cadmium	1	MG/L	0.1 U	0.1 U
Chromium, Total	5	MG/L	0.2 U	0.2 U
Lead	5	MG/L	0.796	0.245 J
Mercury	0.2	MG/L	0.0007 J	0.0007 J
Selenium	1	MG/L	0.5 U	0.5 U
Silver	5	MG/L	0.1 U	0.1 U

Table 10. Summary of SPLP Metals in Soil, Java Street Development, Greenpoint, New York

		Sample Designation:	C1	C10	C11	C12	C2	C3	C4	C5	C6
		Sample Date:	07/17/2018	07/11/2018	07/10/2018	07/10/2018	07/13/2018	07/13/2018	07/12/2018	07/11/2018	07/09/2018
		Sample Depth (ft bls):	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20	15 - 20
Parameter		Unit									
Antimony	--	MG/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic	--	MG/L	**0.013**	0.005 U	0.005 U	**0.015**	**0.012**	0.005 U	0.005 U	0.005 U	**0.003 J**
Barium	--	MG/L	**0.017**	**0.029**	**0.073**	**0.004 J**	**0.026**	**0.026**	**0.008 J**	**0.03**	**0.015**
Beryllium	--	MG/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium	--	MG/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cobalt	--	MG/L	**0.002 J**	**0.011**	**0.004 J**	0.01 U	0.01 U	0.01 U	0.01 U	**0.002 J**	**0.004 J**
Mercury	--	MG/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Nickel	--	MG/L	**0.005 J**	**0.004 J**	**0.006 J**	0.025 U	**0.004 J**	**0.004 J**	0.025 U	**0.004 J**	**0.003 J**
Selenium	--	MG/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Thallium	--	MG/L	0.02 U	**0.003 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

Table 10. Summary of SPLP Metals in Soil, Java Street Development, Greenpoint, New York

	Sample Designation:		C7	C8	C9
	Sample Date:		07/17/2018	07/16/2018	07/16/2018
	Sample Depth (ft bls):		15 - 20	15 - 20	15 - 20
Parameter		Unit			
Antimony	--	MG/L	0.05 U	0.05 U	0.05 U
Arsenic	--	MG/L	**0.013**	**0.006**	**0.004 J**
Barium	--	MG/L	**0.015**	**0.009 J**	**0.014**
Beryllium	--	MG/L	0.005 U	0.005 U	0.005 U
Cadmium	--	MG/L	0.005 U	0.005 U	0.005 U
Cobalt	--	MG/L	0.01 U	0.01 U	0.01 U
Mercury	--	MG/L	0.001 U	0.001 U	0.001 U
Nickel	--	MG/L	0.025 U	0.025 U	**0.003 J**
Selenium	--	MG/L	0.01 U	0.01 U	0.01 U
Thallium	--	MG/L	0.02 U	0.02 U	0.02 U

Table 11. Summary of Per- and Polyfluoroalkyl Substances in Soil, Java Street Development, Greenpoint, New York

		Sample Designation:	SC_1ABC_COMPOSITE	SC_2ABC_COMPOSITE	SC_3ABC_COMPOSITE
		Sample Date:	02/17/2021	02/22/2021	02/17/2021
		Sample Depth (ft bls):	0 - 2	0 - 2	0 - 2
Parameter	NYSDEC Part 375 Restricted Residential GV	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/G	0.223 U	0.209 U	0.194 UJ
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/G	0.093 U	0.089 J	0.081 U
Perfluorobutanesulfonic acid (PFBS)	--	NG/G	0.043 U	0.04 U	0.038 U
Perfluorobutanoic Acid	--	NG/G	0.025 U	0.029 J	0.022 U
Perfluorodecane Sulfonic Acid	--	NG/G	0.169 U	0.159 U	0.147 U
Perfluorodecanoic acid (PFDA)	--	NG/G	0.074 U	0.07 U	0.064 U
Perfluorododecanoic acid (PFDoA)	--	NG/G	0.077 U	0.073 U	0.067 U
Perfluoroheptane Sulfonate (PFHPS)	--	NG/G	0.151 U	0.142 U	0.131 U
Perfluoroheptanoic acid (PFHpA)	--	NG/G	0.05 U	0.07 J	0.057 J
Perfluorohexanesulfonic acid (PFHxS)	--	NG/G	0.067 U	0.063 U	0.058 U
Perfluorohexanoic acid (PFHxA)	--	NG/G	0.058 U	0.067 J	0.058 J
Perfluorononanoic acid (PFNA)	--	NG/G	0.083 U	0.078 U	0.072 U
Perfluorooctane Sulfonamide (FOSA)	--	NG/G	0.108 U	0.102 U	0.094 U
Perfluorooctanesulfonic acid (PFOS)	44	NG/G	0.144 U	1.01	0.362
Perfluorooctanoic acid (PFOA)	33	NG/G	0.046 U	0.275	0.159 J
Perfluoropentanoic Acid (PFPeA)	--	NG/G	0.051 UJ	0.084 J	0.057 J
Perfluorotetradecanoic acid (PFTA)	--	NG/G	0.06 U	0.056 U	0.052 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/G	0.226 U	0.212 U	0.197 U
Perfluoroundecanoic Acid (PFUnA)	--	NG/G	0.052 U	0.049 U	0.045 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/G	0.317 U	0.298 U	0.276 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/G	0.198 U	0.186 U	0.173 U
TOTAL PFOA AND PFOS	--	NG/G	0.046 U	1.29	0.521 J

Table 11. Summary of Per- and Polyfluoroalkyl Substances in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	SC_4AB_COMPOSITE	SC_5ABC_COMPOSITE	SC_6ABC_COMPOSITE
			Sample Date:	02/22/2021	02/18/2021	02/18/2021
			Sample Depth (ft bls):	0 - 8	0 - 5	0 - 5
Parameter	NYSDEC Part 375 Restricted Residential GV	Units				
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/G		0.258 U	0.226 U	0.231 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/G		0.108 U	0.095 U	1.02
Perfluorobutanesulfonic acid (PFBS)	--	NG/G		0.05 U	0.044 U	0.045 UJ
Perfluorobutanoic Acid	--	NG/G		0.029 U	0.026 U	0.026 U
Perfluorodecane Sulfonic Acid	--	NG/G		0.196 U	0.172 U	0.175 U
Perfluorodecanoic acid (PFDA)	--	NG/G		0.086 U	0.075 U	0.077 U
Perfluorododecanoic acid (PFDoA)	--	NG/G		0.09 U	0.079 U	0.08 U
Perfluoroheptane Sulfonate (PFHPS)	--	NG/G		0.174 U	0.153 U	0.156 U
Perfluoroheptanoic acid (PFHpA)	--	NG/G		0.058 U	0.051 U	0.077 J
Perfluorohexanesulfonic acid (PFHxS)	--	NG/G		0.077 U	0.068 U	0.174 J
Perfluorohexanoic acid (PFHxA)	--	NG/G		0.067 U	0.059 U	0.066 J
Perfluorononanoic acid (PFNA)	--	NG/G		0.096 U	0.084 U	0.086 U
Perfluorooctane Sulfonamide (FOSA)	--	NG/G		0.125 U	0.11 U	0.112 U
Perfluorooctanesulfonic acid (PFOS)	44	NG/G		0.194 J	0.146 U	22.4
Perfluorooctanoic acid (PFOA)	33	NG/G		0.157 J	0.074 J	0.778
Perfluoropentanoic Acid (PFPeA)	--	NG/G		0.059 U	0.052 U	0.053 U
Perfluorotetradecanoic acid (PFTA)	--	NG/G		0.069 U	0.061 U	0.062 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/G		0.261 U	0.23 U	0.234 U
Perfluoroundecanoic Acid (PFUnA)	--	NG/G		0.06 U	0.053 U	0.054 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/G		0.367 U	0.322 U	0.329 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/G		0.23 U	0.202 U	0.206 U
TOTAL PFOA AND PFOS	--	NG/G		0.351 J	0.074 J	23.2

Table 11. Summary of Per- and Polyfluoroalkyl Substances in Soil, Java Street Development, Greenpoint, New York

		Sample Designation:	SC_7ABC_COMPOSITE	SC_8ABC_COMPOSITE	SC_9ABC_COMPOSITE
		Sample Date:	02/15/2021	02/15/2021	02/15/2021
		Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Part 375 Restricted Residential GV	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/G	0.229 U	0.234 U	0.239 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/G	0.096 UJ	0.098 U	0.1 U
Perfluorobutanesulfonic acid (PFBS)	--	NG/G	0.044 U	0.045 U	0.046 U
Perfluorobutanoic Acid	--	NG/G	0.026 U	0.026 U	0.027 U
Perfluorodecane Sulfonic Acid	--	NG/G	0.174 U	0.177 U	0.181 U
Perfluorodecanoic acid (PFDA)	--	NG/G	0.076 U	0.078 U	0.079 U
Perfluorododecanoic acid (PFDoA)	--	NG/G	0.08 U	0.081 U	0.083 U
Perfluoroheptane Sulfonate (PFHPS)	--	NG/G	0.155 U	0.158 U	0.162 U
Perfluoroheptanoic acid (PFHpA)	--	NG/G	0.051 U	0.052 U	0.053 U
Perfluorohexanesulfonic acid (PFHxS)	--	NG/G	0.069 U	0.07 U	0.072 U
Perfluorohexanoic acid (PFHxA)	--	NG/G	0.06 U	0.061 U	0.062 U
Perfluorononanoic acid (PFNA)	--	NG/G	0.085 U	0.087 U	0.089 U
Perfluorooctane Sulfonamide (FOSA)	--	NG/G	0.112 U	0.114 U	0.116 U
Perfluorooctanesulfonic acid (PFOS)	44	NG/G	0.148 U	0.151 U	0.154 U
Perfluorooctanoic acid (PFOA)	33	NG/G	0.074 J	0.049 U	0.053 J
Perfluoropentanoic Acid (PFPeA)	--	NG/G	0.052 U	0.053 U	0.055 U
Perfluorotetradecanoic acid (PFTA)	--	NG/G	0.061 U	0.063 U	0.064 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/G	0.233 U	0.237 U	0.242 U
Perfluoroundecanoic Acid (PFUnA)	--	NG/G	0.053 U	0.054 U	0.055 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/G	0.326 U	0.333 U	0.34 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/G	0.204 U	0.208 U	0.213 U
TOTAL PFOA AND PFOS	--	NG/G	0.074 J	0.049 U	0.053 J

Table 11. Summary of Per- and Polyfluoroalkyl Substances in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	SC_10ABC_COMPOSITE	SC_11ABC_COMPOSITE	SC_12ABC_COMPOSITE
			Sample Date:	02/12/2021	02/12/2021	02/11/2021
			Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Part 375 Restricted Residential GV	Units				
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/G		0.214 U	0.204 U	0.263 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/G		0.09 U	0.085 U	0.11 U
Perfluorobutanesulfonic acid (PFBS)	--	NG/G		0.041 U	0.039 U	0.051 U
Perfluorobutanoic Acid	--	NG/G		0.024 U	0.023 U	0.03 U
Perfluorodecane Sulfonic Acid	--	NG/G		0.162 U	0.154 U	0.2 U
Perfluorodecanoic acid (PFDA)	--	NG/G		0.071 U	0.068 U	0.088 U
Perfluorododecanoic acid (PFDoA)	--	NG/G		0.074 U	0.071 U	0.092 U
Perfluoroheptane Sulfonate (PFHPS)	--	NG/G		0.145 U	0.138 U	0.178 U
Perfluoroheptanoic acid (PFHpA)	--	NG/G		0.048 U	0.046 U	0.059 U
Perfluorohexanesulfonic acid (PFHxS)	--	NG/G		0.064 U	0.061 U	0.079 U
Perfluorohexanoic acid (PFHxA)	--	NG/G		0.056 U	0.053 U	0.069 U
Perfluorononanoic acid (PFNA)	--	NG/G		0.08 U	0.076 U	0.098 U
Perfluorooctane Sulfonamide (FOSA)	--	NG/G		0.104 U	0.099 U	0.128 U
Perfluorooctanesulfonic acid (PFOS)	44	NG/G		0.138 U	0.158 J	0.17 U
Perfluorooctanoic acid (PFOA)	33	NG/G		0.044 U	0.079 J	0.069 J
Perfluoropentanoic Acid (PFPeA)	--	NG/G		0.049 U	0.046 U	0.06 U
Perfluorotetradecanoic acid (PFTA)	--	NG/G		0.057 U	0.055 U	0.071 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/G		0.217 U	0.206 U	0.267 U
Perfluoroundecanoic Acid (PFUnA)	--	NG/G		0.05 U	0.047 U	0.061 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/G		0.304 U	0.29 U	0.375 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/G		0.19 U	0.181 U	0.235 U
TOTAL PFOA AND PFOS	--	NG/G		0.044 U	0.237 J	0.069 J

Table 11. Summary of Per- and Polyfluoroalkyl Substances in Soil, Java Street Development, Greenpoint, New York

		Sample Designation:	SC_13ABC_COMPOSITE	SC_14ABC_COMPOSITE	SC_15ABC_COMPOSITE
		Sample Date:	02/12/2021	02/10/2021	02/11/2021
		Sample Depth (ft bls):	0 - 5	0 - 5	0 - 5
Parameter	NYSDEC Part 375 Restricted Residential GV	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/G	0.208 U	0.216 U	0.22 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/G	0.087 UJ	0.091 U	0.092 U
Perfluorobutanesulfonic acid (PFBS)	--	NG/G	0.04 U	0.042 U	0.043 U
Perfluorobutanoic Acid	--	NG/G	0.024 U	0.024 U	0.025 U
Perfluorodecane Sulfonic Acid	--	NG/G	0.158 U	0.164 U	0.167 U
Perfluorodecanoic acid (PFDA)	--	NG/G	0.069 U	0.072 U	0.073 U
Perfluorododecanoic acid (PFDoA)	--	NG/G	0.072 U	0.075 U	0.077 U
Perfluoroheptane Sulfonate (PFHPS)	--	NG/G	0.141 U	0.146 U	0.149 U
Perfluoroheptanoic acid (PFHpA)	--	NG/G	0.047 U	0.048 U	0.049 U
Perfluorohexanesulfonic acid (PFHxS)	--	NG/G	0.063 U	0.065 U	0.066 U
Perfluorohexanoic acid (PFHxA)	--	NG/G	0.054 U	0.056 U	0.057 U
Perfluorononanoic acid (PFNA)	--	NG/G	0.078 U	0.08 U	0.082 U
Perfluorooctane Sulfonamide (FOSA)	--	NG/G	0.101 U	0.105 U	0.107 U
Perfluorooctanesulfonic acid (PFOS)	44	NG/G	0.134 U	0.139 U	0.142 U
Perfluorooctanoic acid (PFOA)	33	NG/G	0.043 U	0.072 J	0.046 U
Perfluoropentanoic Acid (PFPeA)	--	NG/G	0.048 U	0.049 U	0.05 U
Perfluorotetradecanoic acid (PFTA)	--	NG/G	0.056 U	0.058 U	0.059 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/G	0.211 U	0.219 U	0.224 U
Perfluoroundecanoic Acid (PFUnA)	--	NG/G	0.048 U	0.05 U	0.051 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/G	0.297 U	0.308 U	0.314 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/G	0.186 U	0.192 U	0.196 U
TOTAL PFOA AND PFOS	--	NG/G	0.043 U	0.072 J	0.046 U

Table 11. Summary of Per- and Polyfluoroalkyl Substances in Soil, Java Street Development, Greenpoint, New York

			Sample Designation:	SC_16ABC_COMPOSITE
			Sample Date:	02/16/2021
			Sample Depth (ft bls):	0 - 8
Parameter	NYSDEC Part 375 Restricted Residential GV	Units		
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/G	0.225 U	
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/G	0.095 U	
Perfluorobutanesulfonic acid (PFBS)	--	NG/G	0.044 U	
Perfluorobutanoic Acid	--	NG/G	0.025 U	
Perfluorodecane Sulfonic Acid	--	NG/G	0.171 U	
Perfluorodecanoic acid (PFDA)	--	NG/G	0.075 U	
Perfluorododecanoic acid (PFDoA)	--	NG/G	0.078 U	
Perfluoroheptane Sulfonate (PFHPS)	--	NG/G	0.153 U	
Perfluoroheptanoic acid (PFHpA)	--	NG/G	0.051 U	
Perfluorohexanesulfonic acid (PFHxS)	--	NG/G	0.068 U	
Perfluorohexanoic acid (PFHxA)	--	NG/G	0.059 U	
Perfluorononanoic acid (PFNA)	--	NG/G	0.084 U	
Perfluorooctane Sulfonamide (FOSA)	--	NG/G	0.11 U	
Perfluorooctanesulfonic acid (PFOS)	44	NG/G	0.145 U	
Perfluorooctanoic acid (PFOA)	33	NG/G	0.072 J	
Perfluoropentanoic Acid (PFPeA)	--	NG/G	0.052 U	
Perfluorotetradecanoic acid (PFTA)	--	NG/G	0.06 U	
Perfluorotridecanoic Acid (PFTriA)	--	NG/G	0.229 U	
Perfluoroundecanoic Acid (PFUnA)	--	NG/G	0.052 U	
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/G	0.321 U	
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/G	0.201 U	
TOTAL PFOA AND PFOS	--	NG/G	0.072 J	

APPENDIX N

Imported Materials Documentation
(Provided Separately)

APPENDIX O

Data Usability Summary Reports

Data Validation Services

120 Cobble Creek Road P. O. Box
208 North Creek, NY 12853
Phone (518) 251-4429
harry@frontiernet.net

June 19, 2025; Revised August 26, 2025

Brooke Hildebrand
Roux Environmental Engineering and Geology, D. P. C.
209 Shafter St
Islandia, NY 11747

RE: 1 Java Street, Brooklyn, NY Site
Data Usability Summary Report (DUSR); Validation of Analytical Laboratory Data Packages
Eurofins SDG Nos. 200-78773-1, 200-78773-2, 460-265038-1, 460-269824-1, 460-270416-1, 460-271213-1, 460-272130-1, 460-278893-1, 460-279073-1, 460-281617-1, 460-282993-1, 460-284412-1, 460-284670-1, 460-285934-1, 460-286690-1, 460-288324-1, 460-288741-1, 460-292404-1, 460-294146-1, 460-295773-1, 460-297176-1, 460-300307-1, 460-303582-1, and 460-327279-1

Dear Ms. Hildebrand:

Review has been completed for the data packages generated by Eurofins TestAmerica that pertain to samples collected between 09/07/22 and 07/25/25 at the 1 Java Street site. Forty nine soil samples, three aqueous samples, three soil field duplicates, and an aqueous field duplicate were processed for TCL volatile analytes, TCL semivolatiles, Tentatively Identified Compounds (TICs), 1,4-dioxane, TCL Aroclor PCBs (PCBs), and TAL metals. Twenty five soil samples were processed for total lead and TCLP lead. Thirteen 6L canister samples were processed for volatile analytes. Matrix spikes and trip and field blanks were also processed. The analytical methodologies are those of the USEPA SW846 and USEPA method TO-15.

The data packages submitted by the laboratory contain full deliverables for validation, and this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation/Sample Receipt
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method/Preparation/Calibration/Trip/Field Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Blind Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B Section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data packages.

In summary, results for the field samples are usable either as reported or with minor qualification, with the exceptions of the results for two phenolic semivolatile analytes, which are rejected in one sample due to matrix effect.

Data completeness, representativeness, reproducibility, and comparability are acceptable. Accuracy and precision evaluations show matrix effects in the parent samples of outlying recoveries for volatile analytes and poor precision for some of the semivolatile analytes. Those affected analyte results are qualified in the parent samples, but should be regarded with similar caution in samples with similar matrices.

Validation data qualifier definitions and client sample identifications are attached to this text. Also included with this report is the client EDD with recommended qualifiers/edits applied in red.

Custody Forms/Sample Receipt

The laboratory case narrative for SDG 460-265038-1 incorrectly states the temperature of the cooler at sample receipt.

In some instances, the cooler temperatures at sample receipt were elevated because they were received by the laboratory shortly after sample collection, and were in the process of cooling.

Numerous custody forms interim relinquish entries are incomplete or omitted.

The custody forms typically do not include the number of containers. The collection date down arrow ends prematurely for samples reported in SDG 460-278893-1.

Blind Field Duplicates

The blind field duplicate evaluations were performed on locations EP-10, EP-24, EP-39, and MW-3-20250530. Correlations fall within validation guidelines with the exceptions of the following, the results for which have been qualified in the indicated parent samples and their field duplicates:

- Anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, chrysene, dibenz(a,h)anthracene, fluoranthene, indeno(1,2,3)pyrene, phenanthrene, and pyrene in EP-10; the field duplicate concentrations are typically three times higher than those of the parent sample
- Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, fluoranthene, indeno(1,2,3)pyrene, phenanthrene, pyrene, cobalt, and zinc in EP-39
- Calcium, chromium, manganese, sodium, and lead in EP-24; calcium concentrations in the parent sample are more than a magnitude higher than those of the duplicate, and those results should be used with caution.

Volatile Analyses by EPA 8260D

Matrix spikes of EP-21 show outlying recoveries for twenty eight analytes. The results for the affected analytes have been qualified as estimated, with a low bias, in that parent sample.

Matrix spikes of MW-2, EP-11, and EP-14 show recoveries and correlations within validation guidelines, with the following exceptions, results for which have been qualified in the indicated parent samples:

Parent Sample	Analyte	Outlying % Recoveries	Outlying %RPD
EP-11	1,2,4-trichlorobenzene	50,42	
	1,2-dichlorobenzene	67,64	
	1,3-dichlorobenzene	71,64	
	1,4-dichlorobenzene	68,62	
	bromoform	65,65	
	chlorobenzene	78,74	
	chlorodibromomethane	79,76	
	ethylene dibromide	76,71	
	isopropylbenzene	77,70	
	methylcyclohexane	67,59	
	tetrachloroethene	70,65	
	trans-1,3-dichloropropene	78,68	
EP-14	1,1,2,2-tetrachloroethane	35	93
	1,2,4-trichlorobenzene	67,52	
	1,2-dichlorobenzene	79,71	
	1,4-dichlorobenzene	79,69	
	2-butanone	60,49	
	acetone	62,51	
	ethylene dibromide	78,78	

Results for detected analytes in EP-32 are qualified as estimated due to a matrix effect indicated by an elevated surrogate standard recovery (141%).

The following detected results are considered at least in part external contamination and are either edited to non-detection or qualified as estimated, with a high bias. due to presence in the associated field, trip, and/or method blanks.

- 1,1-Dichloroethane in samples reported in SDG 460-2941436-1
- Methylene chloride and acetone detections in all samples

Due to low recoveries (60% and 62%) in the associated LCSs, the results for carbon disulfide in EP-34, EP-35, and EP-49 are qualified as estimated, with a low bias.

Calibration standards show responses within validation guidelines, with the following exceptions, results for which have been qualified as estimated in the indicated associated samples:

- Bromoform (26%D) in EP-1, EP-3, EP-11, EP-10, EP-13, EP-12, and DUP_042523
- Vinyl chloride and 1,1,2,2-tetrachloroethane (21%D and 24%D) in all samples reported in SDG 460-279073-1
- 1,2,4-trichlorobenzene and 1,2,3-trichlorobenzene (26%D and 40%D) in Trip Blank_20230623
- Carbon disulfide (44%D) in TB_20230822
- Vinyl chloride and bromomethane (33%D and 41%D) in TB_2023915
- Methyl acetate (51%D) in FB_202401003 and TB_20241003
- Vinyl chloride and tetrachloroethene (22%D) in EP-36, EP-46, and EP-47

- Dichlorodifluoromethane (41%D) in TB_20231207
- 1,2,4-trichlorobenzene (21%D) in EP-9, EP-29, and EP-45
- Bromomethane (42%D) in TB_20240129
- Bromoform (25%D) in EP-25
- 1,1,2,2-tetrachloroethane (23%D) in EP-42 and DUP_20240509

The laboratory reported response from one of the (added) internal standards as a TIC in one of the method blanks. This has been edited to negate that result in the blank. Sample reported results are unaffected.

Results for the trip blank associated with the aqueous samples are rejected due to the extensive delay between filling and sample collection (more than 16 months). Sample reported results are unaffected.

TCL Semivolatile and 1,4-Dioxane Analyses by EPA8270E- Full Scan and SIM

2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol failed to recover in the matrix spikes of EP-15, and results for those two analytes have been rejected in that parent sample. Matrix spikes were also performed on MW-2, EP-11, EP-14, EP-16, and EP-21. The matrix spikes also show recoveries and correlations within validation guidelines, with the following exceptions, results for which have been qualified in the indicated parent samples:

Parent Samples	Analyte	Outlying % Recoveries	Outlying %RPD
EP-11	benzo (g,h,i) perylene	65,65	
EP-16	hexachlorocyclopentadiene	17,18	
EP-21	hexachlorocyclopentadiene	31,32	
EP-15	benzo (g,h,i) perylene	49,65	25
	hexachlorocyclopentadiene	13,13	
	phenanthrene	65,58	
MW-2	3,3'-dichlorobenzidine	39	63
	3-nitroaniline	32	58
	4-chloroaniline	13	118

It is noted that the data package QC summary form for the matrix spikes of MW-2 show a form entry for the acceptance range of indeno(1,2,3-cd)pyrene, and the recoveries are therefore erroneously flagged as outliers. The EDD shows correct range limits.

LCSs show recoveries and correlations within validation guidelines, with the following exceptions, results for which have been qualified in the indicated associated samples:

Affected Samples	Analyte	Outlying % Recoveries
Those reported in SDG 460-282993-1	hexachlorocyclopentadiene	18,18
Those reported in SDG 460-284670-1	hexachlorocyclopentadiene	35,33
Those reported in SDG 460-288324-1	2,4-dimethylphenol	56,61
	hexachlorocyclopentadiene	23,26
EP-48	hexachlorocyclopentadiene	15,13

Surrogate standard and internal standard recoveries are within validation guidelines.

Calibration standards show responses within validation guidelines, with the following exceptions, results for which have been qualified as estimated in the indicated associated samples:

- Benzaldehyde (42%D to 61%D) in EP-4, Field Blank, EP-20, EP-21, FB_20230810, EP-32, EP-31, EP-9, EP-48, EP-29, EP-45, EP-14, EP-24, EP-26, DUP_20241003, EP-25, EP-38, EP-39, EP-40, EP-41, EP-42, DUP_20240509, and in all samples reported in SDGS 460-281617-1, 460-282993-1, 460-288324-1, and 460-297176-1
- Benzaldehyde, n-nitrosodi-n-propylamine, isophorone, and pyrene (21%D to 68%D) in FB_20241003

Results for TICs that are also present in associated blanks and analysis artifacts (ex. aldol condensates and extraction solvents) are considered external contamination, and have been removed from consideration as sample components.

TCL Pesticides and Aroclor PCB Analyses by USEPA 8081B and 8082A

Some of the detected pesticide results exhibit elevated dual column quantitative correlations, and are qualified to reflect the uncertainty in identification and/or quantitation. The values have been either qualified as estimated ("J"), qualified as tentative in identification and estimated in value ("NJ"), or edited to non-detection ("U"), depending on the degree of variance. In some instances, the adjusted reporting limits are elevated over the original method reporting limits.

Matrix spike evaluations for Aroclors 1016/1260 and pesticides on MW-2, EP-11, EP-21, and EP-14, and for pesticides on EP-19 and EP-9 show recoveries and correlations within validation guidelines, with the exception of the recoveries (161% and 166%) of 4,4′-DDT in EP-11. The result for that analyte in that parent sample has been qualified as estimated, with a high bias.

Surrogate and internal standard recoveries are within validation guidelines. Calibration standards show compliant recoveries. LCS recoveries are within laboratory acceptance ranges.

TAL Metals, Total Lead, and TCLP Lead by EPA 6020B, 7271A, and 7471B

Matrix spikes and/or duplicate evaluations were performed for TAL analytes on EP-9, EP-11, EP-14, EP-21, and the total and dissolved fractions of MW-2-05302025, for TCLP and total lead on HS1_B_5, and for mercury on EP-7, EP-36, and MW-1. They show recoveries and correlations within validation guidelines, with the following exceptions, results for which have been qualified in the indicated parent samples:

Parent Sample	Element	Outlying % Recoveries	Outlying % RPD
EP-11	antimony	36,37	
	potassium	176,127	
EP-7	mercury	145	
EP-21	vanadium	132,132	
EP-9	antimony	45	
	copper	168	
EP-14	calcium		84
MW-2-Dissolved	aluminum	74,74	

The ICP serial dilution determinations were performed for TAL metals on EP-11, EP-21, EP-9, EP-14, and the total and dissolved fractions of MW-2-05302025, and for TCLP and total lead on HS1_B_5. Correlations are within validation guidelines.

Calibration and low level standard responses are compliant.

Due to presence in the associated field blank, the detected results for chromium in the total fractions of MW-1 and MW-3 are qualified as estimated, with a high bias.

Total and dissolved fraction concentrations correlate well.

Volatile Air Analyses by USEPA Method TO-15

The canister for SVMP4 was received at ambient pressure, and the results for that sample are therefore qualified as estimated, with a potential low bias.

Holding times were met. Internal standard recoveries are compliant. Calibration standards show responses within validation action levels.

LCS recoveries are within validation guidelines. Blanks show no contamination.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Judy Harry

Attachments: Validation Data Qualifier Definitions
Sample Identifications
Qualified Laboratory EQuIS EDDs

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Sample Identification Summary

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-265038-1
Project/Site: 1 Java St, Brooklyn

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-265038-1	HS1_B_5	Solid	09/07/22 13:09	09/07/22 18:00
460-265038-2	HS1_SW1_5	Solid	09/07/22 13:14	09/07/22 18:00
460-265038-3	HS1_SW2_5	Solid	09/07/22 13:12	09/07/22 18:00
460-265038-4	HS1_SW3_5	Solid	09/07/22 13:15	09/07/22 18:00
460-265038-5	HS1_SW4_5	Solid	09/07/22 13:16	09/07/22 18:00
460-265038-6	HS1_SW5_5	Solid	09/07/22 13:19	09/07/22 18:00
460-265038-7	HS1_SW6_5	Solid	09/07/22 13:20	09/07/22 18:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-269824-1
Project/Site: 1 Java St, Brooklyn

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-269824-1	HS2_B_8	Solid	11/17/22 12:45	11/18/22 18:00
460-269824-2	HS2_SW1_8	Solid	11/17/22 10:02	11/18/22 18:00
460-269824-3	HS2_SW2_8	Solid	11/17/22 12:47	11/18/22 18:00
460-269824-4	HS2_SW3_8	Solid	11/17/22 12:21	11/18/22 18:00
460-269824-5	HS2_SW4_8	Solid	11/17/22 12:18	11/18/22 18:00
460-269824-6	HS2_SW5_8	Solid	11/17/22 12:50	11/18/22 18:00
460-269824-7	HS2_SW6_8	Solid	11/17/22 10:00	11/18/22 18:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-270416-1
Project/Site: 1 Java St, Brooklyn

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-270416-1	HS2_SW7_8	Solid	11/30/22 07:58	11/30/22 19:00
460-270416-2	HS2_SW8_8	Solid	11/30/22 08:00	11/30/22 19:00
460-270416-3	HS2_SW9_8	Solid	11/30/22 12:02	11/30/22 19:00
460-270416-4	HS2_SW10_8	Solid	11/30/22 12:05	11/30/22 19:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-271213-1
Project/Site: 1 Java St, Brooklyn

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-271213-1	HS2_SW11	Solid	12/12/22 13:05	12/12/22 18:00
460-271213-2	HS2_SW12	Solid	12/12/22 13:15	12/12/22 18:00
460-271213-3	HS2_SW13	Solid	12/12/22 13:10	12/12/22 18:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-272130-1
Project/Site: 1 Java St, Brooklyn

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-272130-1	HS2_SW14	Solid	12/28/22 12:20	12/28/22 19:00
460-272130-2	HS2_SW15	Solid	12/28/22 12:23	12/28/22 19:00
460-272130-3	HS2_SW16	Solid	12/28/22 12:27	12/28/22 19:00
460-272130-4	HS2_SW17	Solid	12/28/22 12:30	12/28/22 19:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Java St,

Job ID: 460-278893-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-278893-1	EP-1	Solid	04/25/23 09:30	04/25/23 19:00
460-278893-2	EP-3	Solid	04/25/23 09:40	04/25/23 19:00
460-278893-3	EP-11	Solid	04/25/23 10:00	04/25/23 19:00
460-278893-4	EP-10	Solid	04/25/23 10:15	04/25/23 19:00
460-278893-5	EP-13	Solid	04/25/23 12:35	04/25/23 19:00
460-278893-6	EP-12	Solid	04/25/23 12:45	04/25/23 19:00
460-278893-7	DUP_042523	Solid	04/25/23 10:15	04/25/23 19:00
460-278893-8	Field Blank	Water	04/25/23 13:05	04/25/23 19:00
460-278893-9	Trip Blank	Water	04/25/23 13:05	04/25/23 19:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Java St,

Job ID: 460-279073-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-279073-1	EP-2	Solid	04/27/23 07:30	04/27/23 19:00
460-279073-2	EP-5	Solid	04/27/23 12:40	04/27/23 19:00
460-279073-3	EP-4	Solid	04/27/23 14:00	04/27/23 19:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1 Java St,

Job ID: 460-281617-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-281617-1	EP-33	Solid	06/05/23 10:30	06/05/23 18:00
460-281617-2	EP-7	Solid	06/05/23 11:25	06/05/23 18:00
460-281617-3	EP-6	Solid	06/05/23 11:45	06/05/23 18:00
460-281617-4	TB_20230605	Water	06/05/23 11:45	06/05/23 18:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1 Java St, Brooklyn

Job ID: 460-282993-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-282993-1	EP-8	Solid	06/23/23 08:15	06/23/23 19:00
460-282993-2	EP-16	Solid	06/23/23 08:10	06/23/23 19:00
460-282993-3	EP-17	Solid	06/23/23 08:20	06/23/23 19:00
460-282993-4	EP-18	Solid	06/23/23 08:25	06/23/23 19:00
460-282993-5	Trip Blank_20230623	Water	06/23/23 00:00	06/23/23 19:00

Edison
12:05 PM

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Java St,

Job ID: 460-284412-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-284412-1	EP-19	Solid	07/17/23 12:15	07/17/23 17:30

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1 Java St,

Job ID: 460-284670-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-284670-1	EP-22	Solid	07/20/23 08:00	07/20/23 19:00
460-284670-2	EP-23	Solid	07/20/23 07:50	07/20/23 19:00
460-284670-3	Trip Blank_20230720	Water	07/20/23 08:00	07/20/23 19:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1 Java St,

Job ID: 460-285934-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-285934-1	EP-20	Solid	08/10/23 10:40	08/10/23 19:00
460-285934-2	EP-21	Solid	08/10/23 11:00	08/10/23 19:00
460-285934-3	EP-32	Solid	08/10/23 10:05	08/10/23 19:00
460-285934-4	FB_20230810	Water	08/10/23 12:00	08/10/23 19:00
460-285934-5	TB_20230810	Water	08/10/23 00:00	08/10/23 19:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1 Java St, Brooklyn

Job ID: 460-286690-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-286690-1	EP-31	Solid	08/22/23 08:30	08/22/23 18:00
460-286690-2	TB_20230822	Water	08/22/23 08:30	08/22/23 18:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-288324-1
Project/Site: 1 Java St, Brooklyn

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-288324-1	EP-34	Solid	09/15/23 09:40	09/15/23 18:00
460-288324-2	EP-35	Solid	09/15/23 10:10	09/15/23 18:00
460-288324-3	TB_2023915	Water	09/15/23 00:00	09/15/23 18:00
460-288324-4	EP-49	Solid	09/15/23 10:45	09/15/23 18:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1 Java St, Brooklyn

Job ID: 460-288741-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-288741-1	EP-48	Solid	09/21/23 07:45	09/21/23 20:00
460-288741-2	TB_20230921	Water	09/21/23 00:00	09/21/23 20:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1 Java St, Brooklyn

Job ID: 460-292404-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-292404-1	EP-15	Solid	11/10/23 10:10	11/10/23 19:00
460-292404-2	EP-27	Solid	11/10/23 09:55	11/10/23 19:00
460-292404-3	EP-30	Solid	11/10/23 09:40	11/10/23 19:00
460-292404-4	EP-36	Solid	11/10/23 09:30	11/10/23 19:00
460-292404-5	EP-46	Solid	11/10/23 09:20	11/10/23 19:00
460-292404-6	EP-47	Solid	11/10/23 09:05	11/10/23 19:00
460-292404-7	TB_20231110	Water	11/10/23 00:00	11/10/23 19:00

Eurofins Edison
11/17/2023
5:16 PM

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1 Java St, Brooklyn

Job ID: 460-294146-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-294146-1	EP-9	Solid	12/07/23 09:30	12/08/23 19:00
460-294146-2	EP-29	Solid	12/07/23 10:00	12/08/23 19:00
460-294146-3	EP-45	Solid	12/07/23 09:45	12/08/23 19:00
460-294146-4	TB_20231207	Water	12/07/23 00:00	12/08/23 19:00

12/15/2023
4:50 PM

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1 Java St,

Job ID: 460-295773-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-295773-1	EP-14	Solid	01/03/24 09:30	01/03/24 17:00
460-295773-2	EP-24	Solid	01/03/24 10:10	01/03/24 17:00
460-295773-3	EP-26	Solid	01/03/24 11:10	01/03/24 17:00
460-295773-4	DUP_20241003	Solid	01/03/24 10:25	01/03/24 17:00
460-295773-5	FB_20241003	Water	01/03/24 12:30	01/03/24 17:00
460-295773-6	TB_20241003	Water	01/03/24 12:30	01/03/24 17:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1 Java St

Job ID: 460-297176-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-297176-1	EP-28	Solid	01/29/24 09:25	01/29/24 18:00
460-297176-2	EP-37	Solid	01/29/24 09:40	01/29/24 18:00
460-297176-3	EP-44	Solid	01/29/24 09:55	01/29/24 18:00
460-297176-4	EP-43	Solid	01/29/24 11:20	01/29/24 18:00
460-297176-5	TB_20240129	Water	01/29/24 00:00	01/29/24 18:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Java St,

Job ID: 460-300307-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-300307-1	EP-25	Solid	03/19/24 08:20	03/19/24 19:00
460-300307-2	TB_20240319	Water	03/19/24 00:00	03/19/24 19:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1 Java St, Brooklyn

Job ID: 460-303582-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-303582-1	EP-38	Solid	05/09/24 09:50	05/09/24 20:00
460-303582-2	EP-39	Solid	05/09/24 09:30	05/09/24 20:00
460-303582-3	EP-40	Solid	05/09/24 10:10	05/09/24 20:00
460-303582-4	EP-41	Solid	05/09/24 10:20	05/09/24 20:00
460-303582-5	EP-42	Solid	05/09/24 10:00	05/09/24 20:00
460-303582-6	FB_20240509	Water	05/09/24 10:45	05/09/24 20:00
460-303582-7	TB_20240509	Water	05/09/24 00:00	05/09/24 20:00
460-303582-8	DUP_20240509	Solid	05/09/24 10:30	05/09/24 20:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-327279-1
Project/Site: 1 Java St, Brooklyn

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-327279-1	MW-1	Water	05/30/25 14:20	05/31/25 11:00
460-327279-2	MW-2	Water	05/30/25 10:15	05/31/25 11:00
460-327279-3	MW-3	Water	05/30/25 12:25	05/31/25 11:00
460-327279-4	DUP_05302025	Water	05/30/25 12:00	05/31/25 11:00
460-327279-5	FB_05302025	Water	05/30/25 14:00	05/31/25 11:00
460-327279-6	TB_05302025	Water	05/30/25 00:00	05/31/25 11:00

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 200-78773-1
Project/Site: 1 Java Street, Brooklyn, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-78773-1	IA-2	Air	07/25/25 11:24	07/29/25 10:00	Air Canister (6-Liter) #4069
200-78773-2	IA-4	Air	07/25/25 15:25	07/29/25 10:00	Air Canister (6-Liter) #34001181
200-78773-3	IA-1	Air	07/25/25 15:43	07/29/25 10:00	Air Canister (6-Liter) #2670
200-78773-4	SVMP-1	Air	07/25/25 15:42	07/29/25 10:00	Air Canister (6-Liter) #4344
200-78773-5	SVMP-2	Air	07/25/25 15:46	07/29/25 10:00	Air Canister (6-Liter) #4826
200-78773-6	SVMP-3	Air	07/25/25 15:52	07/29/25 10:00	Air Canister (6-Liter) #34000793
200-78773-7	IA-3	Air	07/25/25 15:53	07/29/25 10:00	Air Canister (6-Liter) #5641
200-78773-8	SVMP-7	Air	07/25/25 16:09	07/29/25 10:00	Air Canister (6-Liter) #2844
200-78773-9	IA-7	Air	07/25/25 16:10	07/29/25 10:00	Air Canister (6-Liter) #4795
200-78773-11	IA-5	Air	07/25/25 16:21	07/29/25 10:00	Air Canister (6-Liter) #34000379
200-78773-12	SVMP-5	Air	07/25/25 16:20	07/29/25 10:00	Air Canister (6-Liter) #5448
200-78773-13	SVMP-4	Air	07/25/25 15:26	07/29/25 10:00	Air Canister (6-Liter) #34001357

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1 Java Street, Brooklyn, NY

Job ID: 200-78773-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-78773-10	SVMP-6	Air	07/25/25 16:05	07/29/25 10:00	Air Canister (6-Liter) #2877

From: Sarah Kelly
To: Brooke Hildebrand
Cc: Jessica Taylor
Subject: FW: Successfully loaded EDD (20251216 1352.C224272.NYSDEC_v5_MERGE.zip)
Date: Tuesday, December 16, 2025 2:20:12 PM
Attachments: 20251216 1352.C224272.NYSDEC_v5_MERGE.Commit.zip

---

Sarah Kelly | Database Manager
209 Shafter Street, Islandia, New York 11749
Main: (631) 232-2600 | Direct: (631) 630-2319
Email: skelly@rouxinc.com | Website: www.rouxinc.com

-----Original Message-----
From: NYENVDATA@dec.ny.gov <NYENVDATA@dec.ny.gov>
Sent: Tuesday, December 16, 2025 2:16 PM
To: Sarah Kelly <skelly@rouxinc.com>
Subject: Successfully loaded EDD (20251216 1352.C224272.NYSDEC_v5_MERGE.zip)

This message originated outside your organization. Please use caution!

Data from '20251216 1352.C224272.NYSDEC_v5_MERGE.zip' has been successfully loaded into the database.

From: NYENVDATA@dec.ny.gov
To: Sarah Kelly
Subject: Successfully loaded EDD (20251001 0934.C224272.NYSDEC_v5_MERGE.zip)
Date: Wednesday, October 1, 2025 10:10:02 AM
Attachments: 20251001 0934.C224272.NYSDEC_v5_MERGE.Commit.zip

---

This message originated outside your organization. Please use caution!

Data from '20251001 0934.C224272.NYSDEC_v5_MERGE.zip' has been successfully loaded into the database.

From: NYENVDATA@dec.ny.gov
To: Sarah Kelly
Subject: Successfully loaded EDD (20251001 0942.C224272.NYSDEC_v5_MERGE.zip)
Date: Wednesday, October 1, 2025 10:29:57 AM
Attachments: 20251001 0942.C224272.NYSDEC_v5_MERGE.Commit.zip

---

This message originated outside your organization. Please use caution!

Data from '20251001 0942.C224272.NYSDEC_v5_MERGE.zip' has been successfully loaded into the database.

Data Validation Services

120 Cobble Creek Road P. O. Box
208 North Creek, NY 12853
Phone (518) 251-4429
harry@frontiernet.net

December 12, 2025

Brooke Hildebrand
Roux Environmental Engineering and Geology, D. P. C.
209 Shafter St
Islandia, NY 11747

RE: 1 Java Street, Brooklyn, NY Site
Data Usability Summary Report (DUSR); Validation of Analytical Laboratory Data Packages
Eurofins SDG Nos. 460-336013-1, 460-336016-1, and 460-339848-1

Dear Ms. Hildebrand:

Review has been completed for the data packages generated by Eurofins TestAmerica that pertain to samples collected 09/26/25, 09/29/24, and 11/18/25 at the 1 Java Street site. Fourteen 6L canister samples and a field duplicate were processed for volatile analytes by USEPA method TO-15.

The data packages submitted by the laboratory contain full deliverables for validation, and this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation/Sample Receipt
* Holding Times
* Internal Standard Recoveries
* Method Blanks
* Laboratory Duplicate Correlations
* Blind Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B Section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data packages.

In summary, results for the field samples are usable as reported, with the exception that two detected values of carbon disulfide are qualified as being suspect as external contamination.

Data completeness, accuracy, precision, representativeness, reproducibility, and comparability are acceptable.

Validation data qualifier definitions and client sample identifications are attached to this text. Also included with this report is the client EDD, edited in red to reflect the validation qualifiers.

Custody Forms/Sample Receipt

The second page of the custody forms for samples collected in November does not include the laboratory interim and final receipt entries.

The custody forms for samples collected in September do not include the interim receipt time.

Blind Field Duplicates

The blind field duplicate evaluation was performed on IA-3 (November), and correlations fall within validation guidelines.

Volatile Air Analyses by USEPA Method TO-15

The detections of carbon disulfide in samples collected 09/26/25 are suspect as external contamination, as indicated by the presence in the associated method blank. Therefore, the detection in IA-4 (September) are edited to reflect non-detection and that in SVMP-4 (September) is qualified as having a high bias.

Holding times were met. Internal standard recoveries are compliant. Calibration standards show responses within validation action levels.

The laboratory duplicate correlations for AA and IA-3 (September) are within validation guidelines.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Judy Harry

Attachments: Validation Data Qualifier Definitions
Sample Identifications
Qualified EQuIS EDDs

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Sample Identification Summary

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-336013-1
Project/Site: 1 Java St, Brooklyn

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
460-336013-1	IA-3	Air	09/29/25 14:50	09/29/25 19:45	New York
460-336013-2	SVMP-3	Air	09/29/25 15:18	09/29/25 19:45	New York

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-336016-1
Project/Site: 1 Java St, Brooklyn

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-336016-1	SVMP-4	Air	09/26/25 04:40	09/29/25 16:32	Air Canister (6-Liter) #5117
460-336016-2	IA-4	Air	09/26/25 04:37	09/29/25 16:32	Air Canister (6-Liter) #5158

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-339848-1
Project/Site: 1 Java St, Brooklyn

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-339848-1	SVMP-7	Air	11/19/25 12:34	11/19/25 19:40	Air Canister (6-Liter) #1178
460-339848-2	IA-7	Air	11/19/25 11:01	11/19/25 19:40	Air Canister (6-Liter) #3657
460-339848-3	IA-4	Air	11/19/25 12:28	11/19/25 19:40	Air Canister (6-Liter) #5417
460-339848-4	SVMP-8	Air	11/19/25 13:16	11/19/25 19:40	Air Canister (6-Liter) #34000726
460-339848-5	SVMP-3	Air	11/19/25 12:52	11/19/25 19:40	Air Canister (6-Liter) #4329
460-339848-6	SVMP-4	Air	11/19/25 10:54	11/19/25 19:40	Air Canister (6-Liter) #4235
460-339848-7	IA-9	Air	11/19/25 11:46	11/19/25 19:40	Air Canister (6-Liter) #4019
460-339848-8	AA	Air	11/19/25 12:32	11/19/25 19:40	Air Canister (6-Liter) #1256
460-339848-9	DUP-111825	Air	11/19/25 11:51	11/19/25 19:40	Air Canister (6-Liter) #1440
460-339848-10	IA-3	Air	11/19/25 13:13	11/19/25 19:40	Air Canister (6-Liter) #3380
460-339848-11	IA-8	Air	11/19/25 13:30	11/19/25 19:40	Air Canister (6-Liter) #1815

APPENDIX P

Raw Analytical Laboratory Data
(Provided Separately)

APPENDIX Q

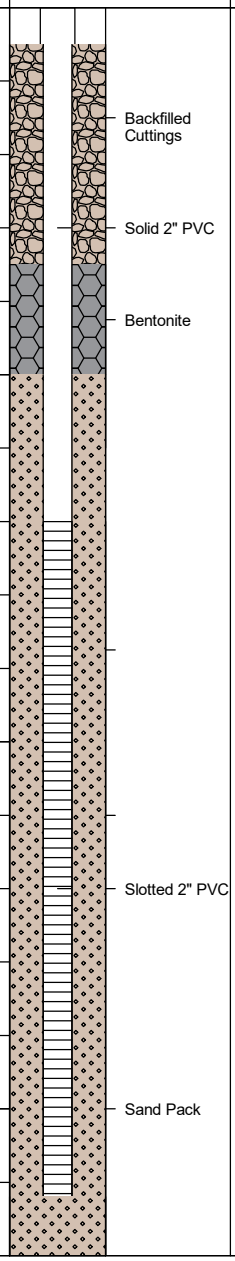
Well Construction Logs

MW-1

Client: 1 Java Street Owner LLC	Site: 1 Java Street	Project Number: 3583.0001Y000
Address: 1 Java Street	City/State: Brooklyn, New York	Logged By: M. Villacres

Start to Finish Date: 5/8/2025 - 5/8/2025	Contractor: Aquifer Drilling & Testing	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 17 feet	Backfill: Cuttings	Borehole Diameter: 2-inches	DTW: 10 feet
Area: Exterior (At- Grade)	Elevation: 12.96	Latitude: 205723.28	Longitude: 885452.669

Well Depth: 17 feet	Well Dia./Materials: 2-inch PVC	Screen Interval: 7-17 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal: Bentonite

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
								

ROUX STANDARD LOG_ - 5/22/25 15:36 - S:\GINT\PROJECTS\3583.0001Y000 WELL LOGS.GPJ

MW-2

Page 1 of 1

Client: 1 Java Street Owner LLC	Site: 1 Java Street	Project Number: 3583.0001Y000
Address: 1 Java Street	City/State: Brooklyn, New York	Logged By: M. Villacres

Start to Finish Date: 5/9/2025 - 5/9/2025	Contractor: Aquifer Drilling & Testing	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 15 feet	Backfill: Cuttings	Borehole Diameter: 2-inches	DTW: 5 feet
Area: Exterior (At- Grade)	Elevation: 8.44	Latitude: 205777.256	Longitude: 994928.824

Well Depth: 15 feet	Well Dia./Materials: 2-inch PVC	Screen Interval: 2-12 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal: Bentonite

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
5	Backfilled Cuttings; Bentonite; Solid 2" PVC; Slotted 2" PVC; Sand Pack; Solid 2" PVC; Bottom Plug							
10								

ROUX STANDARD LOG_ - 5/22/25 15:36 - S:\GINT\PROJECTS\3583.0001Y000 WELL LOGS.GPJ

MW-3

Client: 1 Java Street Owner LLC	Site: 1 Java Street	Project Number: 3583.0001Y000
Address: 1 Java Street	City/State: Brooklyn, New York	Logged By: M. Villacres

Start to Finish Date: 5/8/2025 - 5/8/2025	Contractor: Aquifer Drilling & Testing	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 15 feet	Backfill: Cuttings	Borehole Diameter: 2-inches	DTW: 5 feet
Area: Exterior (At- Grade)	Elevation: 8.60	Latitude: 205646.752	Longitude: 994960.471

Well Depth: 15 feet	Well Dia./Materials: 2-inch PVC	Screen Interval: 2-12 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal: Bentonite

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
5	Backfilled Cuttings; Bentonite; Solid 2" PVC; Slotted 2" PVC; Sand Pack; Solid 2" PVC; Bottom Plug							
10								

ROUX STANDARD LOG_ - 5/22/25 15:36 - S:\GINT\PROJECTS\3583.0001Y000 WELL LOGS.GPJ

APPENDIX R

Owner Construction Drawings

1 JAVA

1 JAVA STREET
BROOKLYN, NY 11222

FO - Structural Sheet List

Sheet Number	Sheet Name	50% CD	100% CD
FO-000	FO COVER SHEET	•	•
FO-001	GENERAL NOTES	•	•
FO-010	SITE PLAN	•	•
FO-100	FOUNDATION PLAN	•	•
FO-101	FOUNDATION REINF PART A - SOUTH TOWER	•	•
FO-102	FOUNDATION REINF PART B - NORTH TOWER	•	•
FO-103	FOUNDATION REINF PART C - NORTH TOWER	•	•
FO-104	FOUNDATION REINF PART D - NORTH TOWER	•	•
FO-105	FOUNDATION REINF PART E - SOUTH TOWER	•	•
FO-106	FOUNDATION REINF PART F - SOUTH TOWER	•	•
FO-200	250 TON CONCRETE PILE CAP DETAILS	•	•
FO-201	SPECIAL PILE CAP DETAILS	•	•
FO-202	SPECIAL PILE CAP DETAILS	•	•
FO-203	SPECIAL PILE CAP DETAILS	•	•
FO-204	SPECIAL PILE CAP DETAILS	•	•
FO-205	SPECIAL PILE CAP DETAILS	•	•
FO-207	TYPICAL FOUNDATION DETAILS	•	•
FO-208	TYPICAL FOUNDATION DETAILS	•	•
FO-209	CAISSON DETAILS	•	•
FO-210	REINF DEVELOPMENT LENGTH/LAP SPLICE SCHEDULE	•	•
FO-300	FOUNDATION SECTIONS	•	•
FO-301	FOUNDATION SECTIONS	•	•
FO-302	FOUNDATION SECTIONS	•	•
FO-303	FOUNDATION SECTIONS	•	•
FO-304	FOUNDATION SECTIONS	•	•
FO-305	FOUNDATION SECTIONS	•	•
FO-400	FOUNDATION GENERAL ARRANGEMENT PLAN - WEST	•	•
FO-401	FOUNDATION GENERAL ARRANGEMENT PLAN - EAST	•	•
FO-402	FOUNDATION GENERAL ARRANGEMENT PART PLAN	•	•



MARVEL
145 HUDSON STREET, FLR.3 NEW YORK, NY 10013
212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

VERTICAL TRANSPORTATION
LERCH BATES
1430 BROADWAY, SUITE 908 NY, NY 10018

PARKING CONSULTANT
WALKER CONSULTANTS
49 W 38TH ST, 9TH FLOOR NY, NY 10018

SUSTAINABILITY CONSULTANT
STEVEN WINTER ASSOCIATES, INC
307 7TH AVE, SUITE 1701 NY, NY 1001

ENVELOPE CONSULTANT
SOCOTEC, INC
151 W 42ND ST, NY, NY 10036

GEOTECHNICAL/CIVIL ENGINEER
LANGAN
360 W 31ST ST, 8TH FLOOR NY, NY 10001

MARINE ENGINEER
MCLAREN ENGINEERING GROUP
131 W 35TH ST, 4TH FLOOR NY, NY 10001

LANDSCAPE DESIGNER
MARVEL
145 HUDSON ST, 3RD FLOOR NY, NY 10013

LANDSCAPE ARCHITECT (WATERFRONT)
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR NY, NY 10018

LIGHTING DESIGNER
ONELUX
158 W 29TH ST, 10TH FLOOR NY, NY 10001

ACCESSIBILITY
ACCESSIBILITY SERVICES
120-34 QUEENS BLVD, SUITE 320
KEW GARDENS, NY 11415

ACOUSTICS
LONGMAN-LINDSAY
200 W 41ST, SUITE 1100, NY, NY 10036

EXPEDITOR
JAM CONSULTANTS INC.
104 W 29TH ST, 9TH FLOOR NY, NY 10001

INTERIORS
INC ARCHITECTURE & DESIGN
150 VARICK ST, 5T FLOOR, NY, NY 10013

POOL CONSULTANT
AQUATECTONIC/LOTHROP ASSOCIATES, LLP
333 WESTCHESTER AVE,
WHITE PLAINS, NY 10604

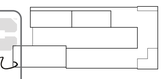
FACADE MAINTENANCE
ENTEK ENGINEERING
166 AMES ST, HACKENSACK, NJ 07601

REV	DATE	DESCRIPTION
1	06/01/2021	ISSUE FOR FOUNDATION
2	06/11/2021	50% SCHEMATIC SUBMISSION
3	08/06/2021	ISSUED FOR 100% SD
4	12/10/2021	50% DESIGN DEVELOPMENT
5	02/25/2022	ISSUED FOR 100% DD
	10/05/2022	DOB PAA #1 - CD
7	07/18/2022	REVISED AS NOTED
8	08/05/2022	100% CD
	10/05/2022	DOB PAA #1

2021054.00
1 JAVA

18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN



NYC Buildings
APPROVED
Date: 11/16/2022

FO COVER SHEET

SCALE:

STATE OF NEW YORK · JASHAR E. SELLA · 092779 · LICENSED PROFESSIONAL ENGINEER

DRAWING #:
FO-000.01
___ of ___

DOB JOB:
B00539478-P2

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GENERAL NOTES:

1. All work shall conform to the requirements of the 2014 New York City Building Code.
2. The Contractor shall verify all dimensions and conditions in the field prior to commencing work. Where dimensions and elevations of existing construction could affect the new construction, it is the Contractor's responsibility to make field measurements in time for their incorporation in the Shop Drawings. The Architect and Engineer shall be notified of any discrepancies that may exist.
3. See architectural drawings for floor elevations, slopes, locations of depressed floor areas, and floor openings. The Contractor shall compare the structural drawings with the architectural drawings and report any discrepancy to the Architect and Engineer prior to construction.
4. Principal openings through the framing are shown on these drawings. The General Contractor shall examine the structural, architectural and mechanical drawings for the required openings and shall verify size and location of all openings with the Mechanical Contractor. Providing all openings required by the Mechanical, Electrical, or Plumbing trades shall be a part of the General Contract, whether or not shown in the structural drawings. Any deviation from the openings shown on the structural drawings shall be brought to the Engineer's attention for review.
5. Furnish and place all supports, temporary and permanent, whether shoring, bracing, needling, underpinning, or sheet piling, necessary to brace existing walls or framing to remain, so that no horizontal or vertical settlement occurs to the existing structures. Temporary supports shall be maintained in place until permanent supports are installed. Design of these supports shall be by a registered Structural Engineer in the state of NY in the employ of the Contractor.
6. Alternate connection details may be approved if such details are submitted to the Engineer for review and acceptance is granted. However, the Engineer shall be the sole judge of acceptability and the Contractor's bid shall anticipate the use of those specific details shown on the drawings. The Contractor shall retain a registered Structural Engineer to be responsible for the design of any alternate details which he proposes.
7. Work not indicated on a part of the drawings but reasonably implied to be similar to that shown at corresponding places, shall be included in the Contractor's work.
8. The Contractor shall be completely responsible for the safety of adjacent structures, property, his workmen, and the public, as affected by the construction of this project.
9. All Contractors are required to examine the drawings and specifications carefully, visit the site and fully inform themselves as to all existing conditions and limitations, prior to agreeing to perform the work. Failure to visit the site and familiarize themselves with the existing conditions and limitations will in no way relieve the Contractor from furnishing any materials or performing any work in accordance with drawings and specifications without additional cost to the Owner.
10. Structural drawings may represent construction with a reference scale. Due to the inherent process of drawing development and presentation not all work may be shown "exact" in that scale. Do not "scale" drawings to obtain any missing information or to interpret any information not specifically dimensioned for "exact" detailing or construction purposes.
11. The Contract Documents represent final conditions. Stability of the structure during construction and means and methods that impose temporary loading conditions on the incomplete structure is the sole responsibility of the General Contractor. This responsibility includes, but is not limited to, the design and furnish of any temporary supports, shoring, and/or bracing required for the safety and stability of the structure during construction.

DESIGN LOADS		
Design Code: ASCE 7 - 05/10 as per NYCBC		
Occupancy category: II		
Snow Loads	Ground snow load, pg	25 psf
	Flat roof snow load, p=0.7(Ce)(Ct)(Is)(pg)	18 psf
	Snow exposure factore, Ce	1.0
	Thermal factor, Ct	1.0
	Snow load importance factor, I	1.0
	Snow drift conditions in accordance with Section 1608.0	
Wind Loads	Basic Wind Speed (3-Second gust)	98 mph
	Wind Importance factor, Iw	1.0
	Wind Exposure =	C
	Design wind pressures for main wind force resisting system in accordance with ASCE 7-05 Section 6.5.12.2	
	Design wind pressures on components and cladding in accordance with ASCE 7-05 Section 6.5.12.4	
	Wind Tunnel Loads as per BLWTL interim report dated November 15, 2021	
	Wind Base Shear	1,953k (N-S direction)
		774k (E-W direction)
Earthquake Loads	Seismic importance factor, I	1.0
	Spectral response acceleration, Ss	0.281
	Spectral response acceleration, S1	0.073
	Long-Period Transitional Period, T	6 sec
	Site class	D
	Design spectral response coefficient, Sds	0.2951
	Design spectral response coefficient, Sd	0.1168
	Seismic design category	B
	Basic Seismic force resisting system	Ordinary reinforced concrete shearwalls (N-S direction)
		Ordinary reinforced concrete shearwalls (E-W direction)
	Seismic Base Shear	2,130k (N-S direction)
		2,300k (E-W direction)
	Seismic response coefficient, Cs	0.013 (N-S direction)
		0.013 (E-W direction)
	Response Modification Coefficient, R	5 (N-S direction)
		5 (E-W direction)
	Analysis procedure: Response Spectrum Analysis	

LOADING SCHEDULE				
Occupancy	Superimposed Dead Load (psf)	Live Load (psf)	Live Load Reduction	Concentrated Load (lbs)
Residential	15	40	Yes	
Corridors above 1st Floor	30	100	No	2000
Private Terraces	30	60	No	
Lobbies	40	100	No	
Public Areas	30	100	No	
Retail	30	100	No	1000
Stairs	5	100	No	
Mechanical Areas	30	150	No	
Elevator Machine Rooms	5	75+Equip but not less than 150	No	300 (Grating , on area of 4in^2
Roof	40	30	No	[Concrete roof 2000, on 30in²] [All other roofs 300, on 6in²]

FOUNDATIONS:

1. The foundation design is based on recommendations contained in the Geotechnical Report by LANGAN dated May 24, 2021. This report is available to bidding Contractors for their information, however their attention is directed to the limitations of the report described therein.
2. Individual pile plan locations to submit to the Structural Engineer for review prior to fabrication of reinforcing for pile caps. Pile caps with piles driven out of plan tolerance will require adjustment to cap size and reinforcing. Adjustments may also be required at adjacent tie beams and grade beams. Plan dimensions shown for pile caps on structural drawings represent minimum requirements.
3. No foundations shall be placed in water or on frozen ground.
4. All finished foundation excavations shall be inspected and approved by the Geotechnical Engineer or his designate before any concrete is placed.
5. Unless otherwise noted, all foundations and buttresses shall be centered under supported members.
6. Carefully follow the requirements of the specifications for back fill under or adjacent to any portion of the building.
7. Where foundation elements are to have fill on both sides, each side shall be filled simultaneously, maintaining a common elevation.
8. Coordinate under floor drain requirements with architectural and mechanical drawings and the requirements of the Geotechnical Engineer.
9. Contractor shall provide continuous control of surface and underground water as required during construction such that the work is done in the dry. However, the Contractor shall insure that ground water levels under adjacent structures are not lowered by his construction techniques. Additionally, if so directed by notes in the plans, the Contractor will continue to maintain a condition of no hydrostatic pressure until sufficient building weight is in place to prevent flotation of any part of the structure.
10. Building walls retaining earth rely on the completed floor slabs for lateral support. If required by the construction sequence, the Contractor shall temporarily brace all building walls against which back fill is to be placed until all floor slabs supporting the walls are in place and have attained at least 75% of their specified design strength. Design of temporary braces shall be by a registered Structural Engineer in the state of NY in the employ of the Contractor.

CAISSON/PILE CAPACITY SCHEDULE				
Type	Compression (Tons)	Tension (Tons)	Lateral (Tons)	Comments
◌ 13 3/8" CAISSON	550	274	3.0	--
I HP 14x89, 13.625" OD, t=0.625", 14" OD t=0.80"	250	40	3.0	Grade 50 ksi

REINFORCED MASONRY:

1. All masonry work shall conform to the ``Building Code Requirements of Masonry Structures" (ACI 530-02/ASCE 5-02) and (ACI 530.1-02/ASCE 6-02).
2. The compressive strength of the masonry, f'm, shall be at least 1500 psi. Unless otherwise approved by the Structural Engineer on the basis of prism testing the components of the masonry shall have compressive strengths as given below: 2000psi.
3. All concrete masonry units (CMU) shall conform to ASTM C90, grade N-1, with an individual compressive strength of 2400 psi
4. Mortar for block wall construction shall be Type M or S conforming to ASTM C270.
5. Grout for piers and block walls shall conform to ASTM C476 with a minimum compressive strength of 2000 psi determined in accordance with the provisions of ASTM C1019.
6. Reinforcing bars shall conform to ASTM A615, Grade 60, except bars to be welded shall conform to ASTM A706.
7. Wire for joint reinforcing shall conform to ASTM A82, yield point = 70 ksi (min.).
8. Unless noted otherwise provide minimum reinforcing per the typical details.
9. Provide bond beams with (2)-#5 continuous, at the top of parapets, at each floor level, and where shown on the drawings.
10. Unless noted otherwise on plans, provide the following additional vertical reinforcement in the cell immediately adjacent to each side of a masonry opening and in the cell of discontinuous walls. These bars are to extend full height of the wall or in the case of masonry openings at multi-story walls, from story to level above to story level below the opening. For 6" and 8" CMU Walls provide (2)-#5. For 10" and 12" CMU Walls provide (2)-#6.
11. Extend additional reinforcement a minimum of 36 bar diameters beyond the opening.
12. The minimum length of lap for reinforcing bars embedded in grout is 48 bar diameters, unless shown otherwise on the drawings.
13. Place reinforcing bars before grouting. Place grout in lifts not exceeding 5 feet. Consolidate each lift by mechanical vibration. The next lift of the pour may be made after the initial water loss and reconsolidation of the prior lift, while it is still plastic.
14. Properly secure reinforcing bars to maintain the positions indicated on the drawings. Bars to be located in center of cells unless otherwise noted.
15. All CMU shall be braced during construction for the governing code lateral design loads until permanent restraints have been installed.
16. The following steps are to be followed when laying masonry in the temperatures stated below:

COLD WEATHER MASONRY CONSTRUCTION	
Mean daily air temperature	Instructions
40° - 32° F	Heat mixing water or aggregate to 70° F. Protect masonry from rain or snow for 24 hours.
32° - 20° F	Heat mixing water and aggregate to 70° F. Provide wind breaks for wind velocity in excess of 15 m.p.h. Cover masonry with insulating blankets for 24 hours and provide heat sources on both sides of masonry construction.
Below 20° F	Heat mixing water and aggregate to 70° F. Provide enclosures and heat to maintain 40° minimum temperature. Temperature of masonry units must be 40° F minimum when laid. Maintain masonry above 40° F for 24 hours by enclosures and supplemental heat.

CONCRETE:

1. All concrete work shall conform to the 2011 edition of the ACI Building Code Requirements for Reinforced Concrete (ACI 318) and the 2014 New York City Building Code. In case of conflict, the City Building Code shall govern.
2. All concrete shall be controlled concrete, mixed and placed under the supervision of an approved concrete testing agency.
3. Concrete shall be normal weight concrete unless otherwise noted with sand and gravel aggregate, Type I or Type II Portland Cement and minimum compressive strength (f'c) in 28 days as specified in the Concrete Strength Table.
4. All concrete exposed to the weather or possible freeze/thaw action shall contain an air entrainment admixture. Air content to be 6% ± 1 1/2%.
5. All concrete shall be proportioned for a maximum allowable unit shrinkage of 0.03% measured at 28 days after curing in lime water as determined by ASTM C 157 (using air storage)
6. All concrete shall be placed without horizontal construction joints, except where specifically noted. Vertical construction joints and stops in shored concrete work shall be made at midspan. Horizontal reinforcement shall be continuous through vertical construction joints.
7. Construction joint locations other than shown on the drawings are permitted subject to prior approval of the Engineer. Expansion joint and control joint locations are mandatory as shown. Contractor shall submit drawings showing intended placing sequences and locations of construction joints to the Engineer for approval.
8. Unless otherwise shown on drawings, slabs on grade shall be cast in alternating strips, one (1) column bay wide. Adjacent sections shall be placed no sooner than three days apart. Alternatively, slab on grade areas may be poured in as large an area as can be handled provided that saw cut joints are cut as soon as the concrete will support a man's weight without permanent deformation and the joint process does not dislodge aggregates. Saw cut locations shall be submitted to engineer for review prior to construction.
9. Grout under column base plates and under other bearing plates shall be non-shrink, nonmetallic grout with a minimum compressive strength of 5000 psi at 3 days.
10. Pipes or conduits placed in slabs on grade shall not be placed closer than 3 diameters on centers and shall have an outside diameter less than 1/3 of the slab thickness and be positioned so that they do not interfere with slab reinforcement. Aluminum conduits shall not be placed in concrete. No conduits or pipes shall be placed in composite slabs on metal deck.
11. All keys shall be 2" x 4" (nominal) unless otherwise shown on the drawings.
12. Concrete cast on sloped surfaces shall begin at the lowest elevation and continue monolithically toward the higher elevations until the intended pour is completed.
13. No concrete shall be cast before review and approval of the reinforcing and embedded items have been obtained from the Special Inspector.
14. All exposed edges of concrete members shall be chamfered 3/4" unless shown otherwise on architectural drawings.
15. Concrete must reach the following percentages of its 28-day compressive strength (f'c) before forms or shores may be removed: Pile caps....20%, Walls and beam sides....20%, Columns....40% (1500psi min), Beam bottoms (if shored)....70%, Floor systems....85%
16. See architectural drawings for concrete finishes. Where finish is not specified, conform to requirements of ACI 301 - "Specifications for Structural Concrete for Buildings."
17. See architectural drawings for door and window openings, drips, washes, reglets, concrete finishes, masonry anchors, and for miscellaneous embedded plates, bolts, anchors, angles, etc.
18. The placement of sleeves, outlet boxes, box-outs, anchors, etc., for the mechanical, electrical and plumbing trades is the responsibility of the trade involved.
19. At sawcutting of existing concrete, including slabs on grade, no overcut at corners is allowed. All corners shall have a core hole of sufficient diameter made prior to cutting at adjacent sides to prevent cut beyond the required dimension.

CONCRETE STRENGTH TABLE		
Intended Use	28 Day Strength, f`c (psi)	Other Requirements & Admixtures
Pile caps	6000 UNO	
Foundation Walls	5000	
Fill concrete	4000	
Mud mats	2500	
Grade Beams	6000	
Exposed parking floors, slabs, driveways, ramps, sidewalks	7200	a) 1.5Lbs/YD³ Fiber Mesh b) Silica Fume (10% Max) c) DCI or equal or all top bars to be epoxy coated* on non-metallic chairs d) Max water - cement ratio 0.4

REINFORCING:

1. Detailing of concrete reinforcement and accessories shall be in accordance with ACI 315 - "Manual of Standard Practice for Detailing Reinforced Concrete Structures," latest edition.
2. Reinforcement shall be continuous through all construction joints unless otherwise noted on drawings.
3. Provide and schedule with the shop drawings, all necessary accessories to hold reinforcing securely in position. Minimum requirements shall be: High chairs....4'-0" OC, Slab bolsters....4'-0" OC. Support bars for high chairs shall be #5 min.
4. All continuous reinforcement shall have a minimum lap as required for a Class B splice (ACI 318) unless noted otherwise.
5. WWF shall be provided in flat sheets. All laps in WWF shall be one mesh plus two inches at splices.
6. Concrete protection for reinforcement including WWF shall be provided as follows unless otherwise shown on the drawings:
7. All hooks shown on drawings shall be standard hooks unless noted otherwise.
8. Where continuous bars are called for, they shall run continuously around corners and be lapped at necessary splices, or hooked at discontinuous ends. Lap lengths shall be as given in the splice and development table. Lap beam top bars at mid-span and beam bottom bars at supports, unless otherwise noted.

REINFORCING MATERIAL TABLE			
Reinforcing element	ASTM	Grade, Fy (ksi)	Comments
Reinforcing bars equal to and less than #11	A615	60	#11 Gr. 75 for Shear Walls and Link beams
Reinforcing bars greater than #11	A615	75	
Welded reinforcing	A 706	60	Reinforcing bars may not be welded without prior approval of the Structural Engineer.
Slab on grade (6x6 - W2.9 x W2.9)	A185	65	
Slab on metal deck (6x6 - W2.1 x W2.1)	A185	65	
Around structural members encased in concrete (4x4 - W1.4 x W1.4), plus (1)-#5 spacer bar each corner	A185	65	
In middle of concrete fill for stairs (2x2 - W1.4 x W1.4)	A185	65	Fibermesh at 1 1/2#/cu. yd. may be substituted for WWF in stairs.

CONCRETE COVER TABLE (UNO)		
Condition		Cover
Surfaces cast against earth		3 inches
Formed surfaces exposed to earth or weather:	#6 bars and larger	2 inches
	#5 bars and smaller	1 1/2 inches
Formed surfaces not exposed to earth or weather. Slabs, walls, joists:	#11 bars and smaller	3/4 inches
	#14 - #18	1 1/2 inches
Formed surfaces not exposed to earth or weather. Beams and columns:		1 1/2 inches
Pressure Slab		3/4 inches

DRILLED-IN CONCRETE ANCHORS:

1. Mechanical Anchors: Wedge type with current ICBO approval and published in ICC ESR Code Report and conforming to ICC ES AC193. Complete with required nuts, washers, and manufacturer's installation instructions. Size and manufacturer as indicated on drawings. Where anchor manufacturer is not indicated, subject to compliance with requirements and acceptance by Architect, provide one of the following listed in the Post Installed Anchor Table for cracked and un-cracked concrete (unless otherwise noted)
2. Chemical Anchors: Threaded carbon steel or stainless steel rod complete with required nuts, washers, adhesive system and manufacturer's installation instructions. Current ICBO approval and published ICC ESR Code Report required and conforming to ICC ES AC308. Size and manufacturer as indicated on drawings. Where anchor manufacturer is not indicated, subject to compliance with requirements and acceptance by the Architect, provide one of the following listed in the Post Installed Anchor Table for cracked and un-cracked concrete (unless otherwise noted)
3. At locations where post installed anchors are being used in concrete, a survey shall be preformed to locate existing rebar. using ground penetrating radar. Survey results are to be coordinated with shop drawings. Alternatively, anchor rods are to be installed after which a template is to be created for use by the fabricator in the shop drawings. Notify Engineer of record (E.O.R.) if as-installed location varies more than 1/2" from theoretical.

POST INSTALLED ANCHOR MATERIAL TABLE			
Manufacture	Anchor Type	Name	Comments
Hilti	Mechanical	HAD ICC	--
Hilti	Mechanical	HSL-3	--
Hilti	Mechanical	Kwik Bolt TZ	--
Hilti	Mechanical	Kwik Bolt 3	un-cracked concrete only
Power Fasteners	Mechanical	Power-Stud + SD11 Category 1	1/4"Ø - uncracked concrete only, all others acceptable for both cracked and un-cracked concrete
Power Fasteners	Mechanical	Power-Stud + SD2 Category 1	--
Power Fasteners	Mechanical	Wedge-Bolt+ Category1	1/4"Ø - uncracked concrete only, all others acceptable for both cracked and un-cracked concrete
Power Fasteners	Mechanical	Snake+ Category 1	--
Power Fasteners	Mechanical	Vertigo + Category 1	--
Simpson Strong-Tie	Mechanical	Strong-Bolt	--
Simpson Strong-Tie	Mechanical	Titen HD	--
Simpson Strong-Tie	Mechanical	Titen HD Rod Hanger	3/8", 1/2"Ø only for both cracked and un-cracked concrete
ITW Red Head	Mechanical	Trubolt +	3/8", 1/2", 5/8"Ø only
ITW Red Head	Mechanical	Trubolt	1/4", 3/8", 1/2"Ø - uncracked concrete only, all others acceptable for both cracked and un-cracked concrete
Hilti	Chemical	HIT-RE 500 SD	--
Hilti	Chemical	HIT-HY 200 SAFE SET	1 1/4"Ø max. for both cracked and un-cracked concrete. Note: for embedment greater than 15" use HIT-RE 500 SD due to the quick setting time of the 200 SAFE SET.
Power Fasteners	Chemical	AC100+ Gold-Dry, Wet, Water-Filled	un-cracked concrete only
Power Fasteners	Chemical	PE1000+ -Dry, Wet, Water-Filled	3/8", 1", 1 1/4"Ø - acceptable for un-cracked concrete only, all others acceptable for both cracked and un-cracked concrete
Power Fasteners	Chemical	T308+	3/8" - 7/8"Ø - un-cracked concrete only, none acceptable for cracked concrete
Simpson Strong-Tie	Chemical	SET-XP	--
ITW Red Head	Chemical	EPCON G5	un-cracked concrete only

SPECIAL INSPECTIONS:

1. All special inspections shall be made by a NYC DOB approved special inspection agency selected and paid by the owner. Contractor shall furnish testing agency access to work, facilities and incidental labor required for testing and inspection. Retention by the Owner of an independent testing agency shall in no way relieve the Contractor of responsibility for performing all work in accordance with the contract requirements.
2. Special inspections required are as follows:

SPECIAL INSPECTIONS NYCBC 2014	
Concrete - Cast-In-Place	BC 1704.4
Subsurface Conditions- Fill placement & In-Place Density	(TR 4) BC 1704.7.4
Subsurface Conditions- Borings/Test Pits	(TR 4) BC 1704.7.4
Deep Foundation Elements	(TR-5) BC 1704.8
Post-installed Anchors (BB#2014-018, 2014-019)	BC 1704.32
Concrete Design Mix	(TR-3) BC 1905.3, BC 1913.5
Concrete Sampling and Testing	(TR-2) BC 1905.6, BC 1913.10

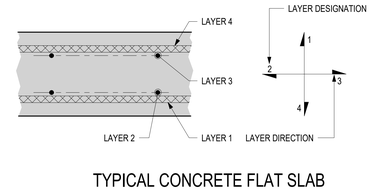
ABBREVIATIONS LIST	
(E)or EXIST	Existing
(S)	Salvaged
/	Per
@	At
AB	Anchor Bolt
ADD'L	Additional
AESS	Architectural Exposed Structural Steel
ALT	Alternate
ALUM	Aluminum
ANCH	Anchor
APPROX	Approximate
ARCH	Architectural
BF	Braced Frame
BL	Brick Ledge
BLDG	Building
BM	Beam
BO	Bottom of
BOS	Bottom of Steel
BOT or B	Bottom
BRDG	Bridging
BRG	Bearing
BTWN	Between
C	Channel
CANT	Cantilever
CF	Cold Formed
CFSF	Cold Formed Steel Fabricator
CIP	Cast-In-Place
CJ	Control Joint
CJP	Complete Joint Penetration
CL	Centerline
CLG	Ceiling
CLR	Clear
CMU	Concrete Masonry Unit
COL	Column
CONC	Concrete
CONN(S)	Connection(s)
CONST	Construction
CONT	Continue or Continuous
COORD	Coordinate
CSJ	Construction Joint
CTR(D)	Center(ed)
DB	Bar Diameter
DBA	Deformed Bar Anchor
DBL	Double
DIA or Ø	Diameter
DIAG	Diagonal
DIM	Dimension
DL	Dead Load
DN	Down
DO	Ditto
DTL(S)	Detail(s)
DWG(S)	Drawing(s)
DWL(S)	Dowel(s)
E-W	East-West
EA	Each
EC	Epoxy Coated
EE	Each End

ABBREVIATIONS LIST	
EF	Each Face
EJ	Expansion Joint
EL	Elevation
ELEV	Elevator
EMBED	Embedded
ENGR	Engineer
EOR	Engineer-of-Record
EOS	Edge of Slab
EQ	Equal
EQ SP	Equally Spaced
EQUIP	Equipment
EQUIV	Equivalent
ES	Each Side
EW	Each Way
EXP	Expansion
EXP ANC	Expansion Anchor
EXT	Exterior
FA	Face
FAB	Fabricate
FD	Floor Drain
FDN	Foundation
FF	Finished Floor
FIN	Finish(ed)
FLG	Flange
FLR	Floor
FO	Face Of
FP	Full Penetration Or Fire Proofing Or Fire Proofing
FS	Far Side
FT	Foot or Feet
FTG	Footing
GA	Gage or Gauge
GALV	Galvanized
GB	Grade Beam
GEN	General
GR	Grade or Grind
HAS or HDAS	Headed Anchor Stud
HC	Hollow Core (Precast Plank)
HDAR	Headed Anchor Rod
HDG	Hot Dipped Galvanized
HGR	Hanger
HK	Hook
HORZ	Horizontal
HP	High Point
HSS	Hollow Structural Shape
HT	Height
HVAC	Heating-Ventilating and A/C
ID	Inside Diameter
IF	Inside Face
IN	Inch
INT	Interior
JT	Joint
K	Kip
KSF	Kip Per Square Foot
KSI	Kip Per Square Inch
L or LG	Length
LB	Link Beam (or Coupling Beam)

ABBREVIATIONS LIST	
LB(S)	Pound(s)
LCE	Compression Embedment
LCS	Compression Lap Splice
LDH	Hook Development Length
LL	Live Load
LLBB	Long Leg Back to Back
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LOC(S)	Location(s) or Locate
LONG	Longitudinal
LP	Low Point
LT	Light
LTE	Tension Embedment
LTS	Tension Lap Splice Length
LWC	Light Weight Concrete
MAS	Masonry
MATL	Material
MAX	Maximum
MC	Moment Connection
MECH	Mechanical
MEP	Mech/Elect/Plumb
MEZZ	Mezzanine
MF	Moment Frame
MFR	Manufacturer
MIN	Minimum
MISC	Miscellaneous
MLS	Masonry Lap Splice
MTL	Metal
N	North
N-S	North-South
NFP	Fireproofing Not Required
NIC	Not in Contract
NO or #	Number
NOM	Nominal
NS	Non-Shrink or Near Side
NTS	Not To Scale
NWC	Normal Weight Concrete
OC	On Center
OD	Outside Diameter
OF	Outside Face
OH	Opposite Hand
OPNG(S)	Opening(s)
OPP	Opposite
OVS	Oversized
OWS	One Way Slab
PAF	Power Actuated Fastener
PC	Precast
PEN	Penetration
PERP	Perpendicular
PL	Plate (Steel)
PLF	Pounds Per Lineal Foot
PREFAB	Prefabricated
PRELIM	Preliminary
PS	Prestressed
PSF	Pounds Per Square Foot
PSI	Pounds Per Square Inch
PT	Point or Post-Tension or Pretensioned

ABBREVIATIONS LIST	
QTY	Quantity
RAD or R	Radius
RD	Roof Drain
RE: of REF	Refer to (Reference)
REINF	Reinforce(ing)(d)(ment)
REQD	Required
REQT(S)	Requirement(s)
RET	Return
REV	Revision
RTC	Roof Top Unit
S	South
SB	Strap Beam
SC	Slip Critical
SCHED	Schedule
SECT	Section
SHT	Sheet
SIM	Similar
SLBB	Short Leg Back to Back
SLH	Short Leg Horizontal
SLV	Short Leg Vertical
SOG	Slab on Grade
SP	Space(s)
SP @	Space at
SPECS	Specifications
SPRT	Support
SQ	Square
SS	Stainless Steel
STD	Standard
STIFF	Stiffener
STIR	Stirrup
STL	Steel
STR	Structural
SW	Shearwall
SYM	Symmetrical
T	Top
T&B	Top & Bottom
THK	Thick or Thickness
TL	Total Load
TO	Top of
TOC	Top of Concrete
TOS	Top of Steel
TOW	Top of Wall
TRANS	Transverse
TWS	Two Way Slab
TYP	Typical
ULT	Ultimate
UNO	Unless Noted Otherwise
VERT	Vertical
VIF	Verify in Field
W	With
W/O	Without
WF	Wide Flange
WP	Working Point or Waterproofing
WT	Wide Flange Tee Section
WWR	Welded Wire Reinforcement
WxH	Width x Height

Symbol Legend	
PC-x (X'-X")	INDICATES PILE CAP GROUP WHERE: X = MARK (X'-X") = ABSOLUTE TOP OF CAP ELEVATION
XFxx.x (X'-X")	INDICATES SPREAD COLUMN FOOTING MARK. SEE FOOTING SCHEDULE ON Sxxx. (X'-X") = ABSOLUTE TOP OF FOOTING ELEVATION
GB-x	INDICATES GRADE BEAM. SEE GRADE BEAM SCHEDULE ON Sxxx.
SB-x	INDICATES STRAP BEAM. SEE TIE BEAM SCHEDULE ON Sxxx.
<X'-X">	INDICATES TOP OF FOUNDATION WALL
[X'-X"]	INDICATES BOTTOM OF FOUNDATION WALL
(X'-X")	INDICATES TOP OF FOOTING / PILE CAP ELEVATION
(X)	INDICATES COLUMN NUMBER
(X) (X)	INDICATES COLUMN UP AND COLUMN DOWN RESPECTIVELY
(X)#X	INDICATES ADDITIONAL TOP REINFORCING, SEE TYPICAL CONCRETE DETAILS FOR LENGTHS
(X)#X (X)#X	INDICATES ADDITIONAL BOTTOM REINFORCING, SEE TYPICAL CONCRETE DETAILS FOR LENGTHS
(X)#X**	INDICATES EPOXY COATED REINFORCEMENT
(X)#X	INDICATES ADDITIONAL MID-DEPTH REINFORCING WITH TERMINATOR
(X)#X	DOUBLE ARROW INDICATES REINFORCEMENT SIZE AND SPACING IS CONTINUOUS UNTIL A NEW SIZE AND SPACING OF REBAR IS SHOWN

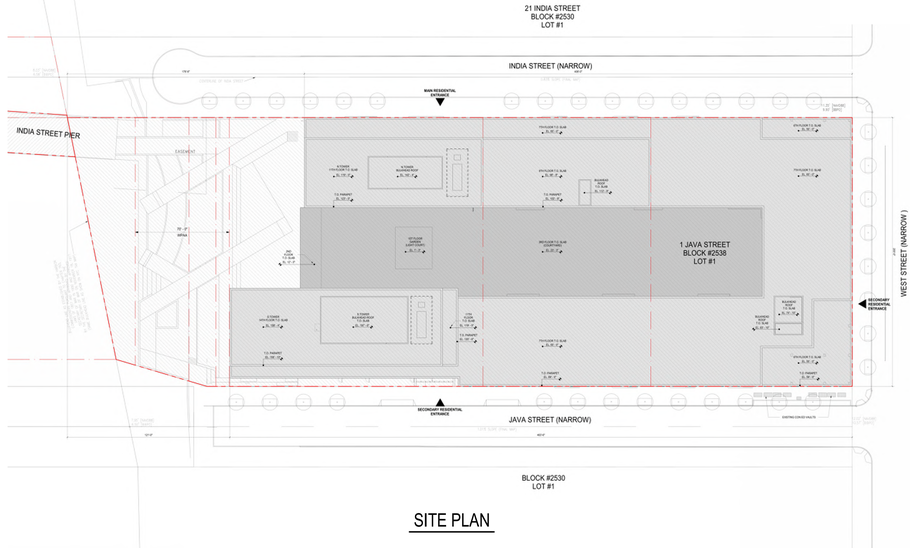


TYPICAL CONCRETE FLAT SLAB REINFORCEMENT ORIENTATION

Scope of Work: Foundation work as per plans filed, Filed in conjunction with NB # B00539478-I1

The following applications being filed in conjunction with NB filing:
- **Fence: B00637246-I1**
- **BPP - : 340818958**

DESIGN LOADS COMPLY AS PER BC 107.7 & BC 1604



SITE PLAN

MARVEL
145 HUDSON STREET, FLR.3 NEW YORK, NY 10013
212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

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ONELUX
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KEY PLAN

NYC Buildings
APPROVED
Date: 11/16/2022

GENERAL NOTES

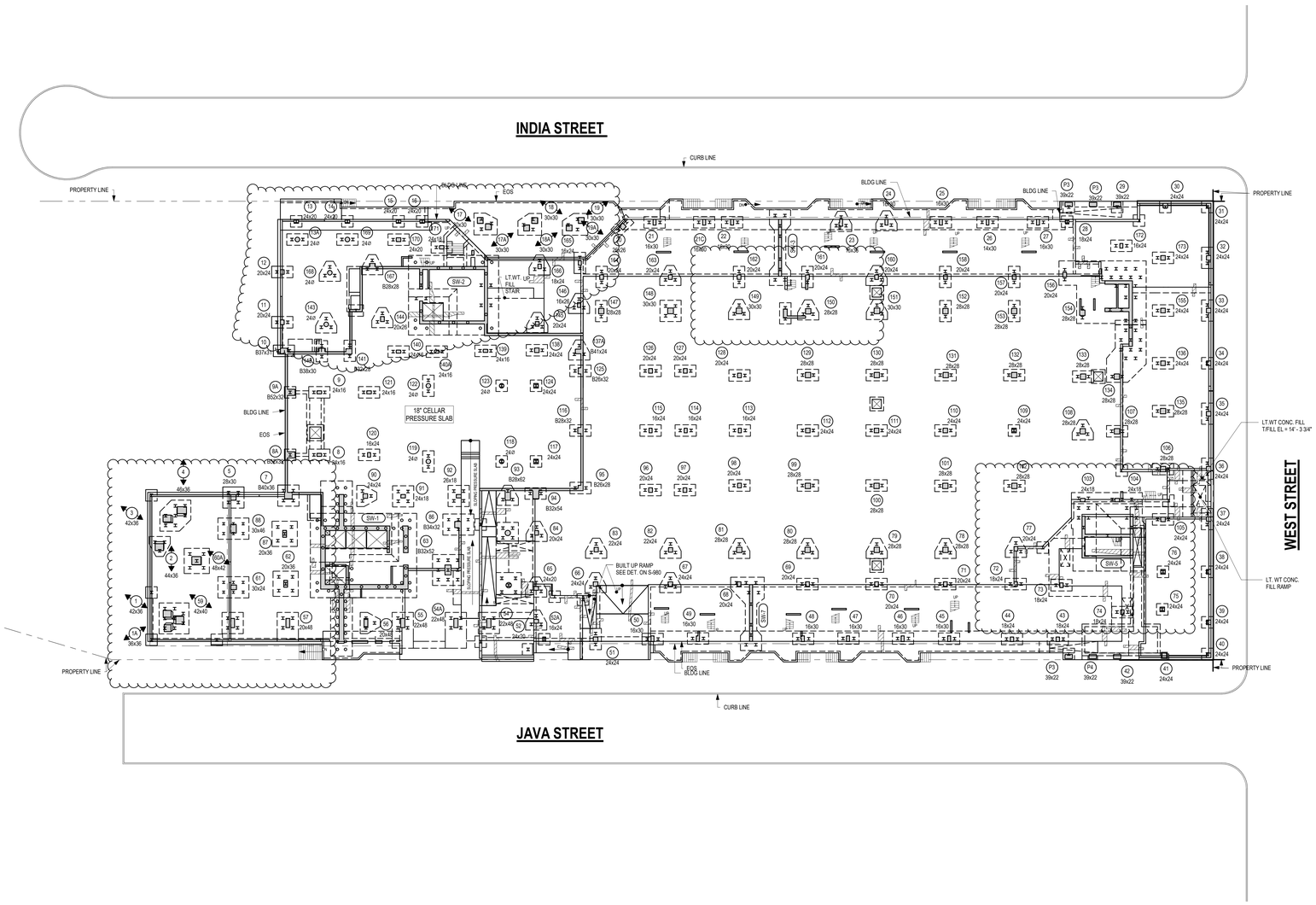
SCALE: As indicated

STATE OF NEW YORK · VIVIANA E. SILVA · 092779 · LICENSED PROFESSIONAL ENGINEER

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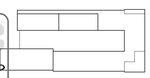
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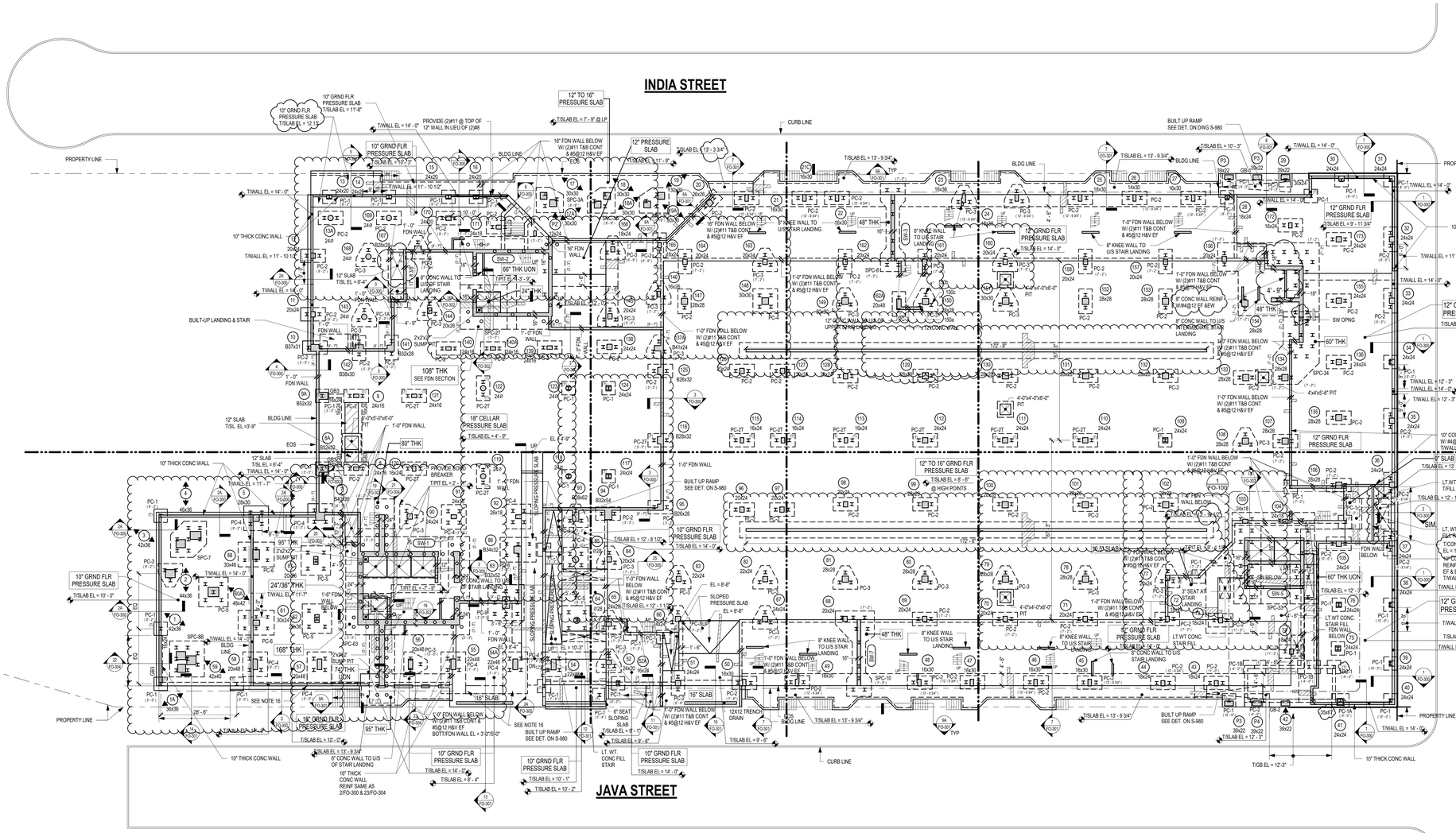
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INDIA STREET
WEST STREET
JAVA STREET
PROPERTY LINE
CURB LINE
BLDG LINE
10" GRND FLR PRESSURE SLAB T/SLAB EL = 11'-8"
10" GRND FLR PRESSURE SLAB T/SLAB EL = 12'-1"
12" TO 16" PRESSURE SLAB
12" PRESSURE SLAB
16" FDN WALL BELOW W/ (2)#11 T&B CONT & #5@12 H&V EF
10" FDN WALL BELOW W/ (2)#11 T&B CONT & #5@12 H&V EF
1'-0" FDN WALL BELOW W/ (2)#11 T&B CONT & #5@12 H&V EF
1'-6" FDN WALL BELOW W/ (2)#11 T&B CONT & #5@12 H&V EF
1'-2" FDN WALL BELOW W/ (2)#11 T&B CONT & #5@12 H&V EF
1'-4" FDN WALL BELOW W/ (2)#11 T&B CONT & #5@12 H&V EF
1'-0" FDN WALL
T/WALL EL = 14' - 0"
T/WALL EL = 11' - 10 1/2"
T/WALL EL = 11' - 7"
T/WALL EL = 14' - 3"
T/WALL EL = 12' - 3"
T/WALL EL = 12' - 8"
T/WALL EL = 14' - 0"
T/WALL EL = 14' - 6"
T/WALL EL = 11' - 11"
T/WALL EL = 14' - 9"
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T/WALL EL = 11' - 0"
T/WALL EL = 10' - 10 1/2"
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T/WALL EL = 8' - 10 1/2"
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T/WALL EL = 7' - 10 1/2"
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T/WALL EL = 6' - 10 1/2"
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T/WALL EL = 1' - 7"
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T/WALL EL = 0' - 10 1/2"
T/WALL EL = 0' - 7"
T/WALL EL = 0' - 3"
T/WALL EL = 0' - 0"
T/SLAB EL = 13' - 9 3/4"
T/SLAB EL = 13' - 3 3/4"
T/SLAB EL = 13' - 9 3/4" TYP
T/SLAB EL = 10' - 3"
T/SLAB EL = 9' - 11 3/4"
T/SLAB EL = 14' - 0"
T/SLAB EL = 12' - 8 1/2"
T/SLAB EL = 12' - 10"
T/SLAB EL = 12' - 8"
T/SLAB EL = 12' - 3"
T/SLAB EL = 11' - 1"
T/SLAB EL = 10' - 8 1/4"
T/SLAB EL = 10' - 0"
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T/SLAB EL = 9' - 6"
T/SLAB EL = 9' - 3"
T/SLAB EL = 9' - 1"
T/SLAB EL = 8' - 6"
T/SLAB EL = 8' - 3"
T/SLAB EL = 8' - 0"
T/SLAB EL = 7' - 9" @ LP
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T/SLAB EL = 4' - 6"
T/SLAB EL = 4' - 3"
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T/SLAB EL = 0' - 9"
T/SLAB EL = 0' - 6"
T/SLAB EL = 0' - 3"
T/SLAB EL = 0' - 0"
T/GB EL = 12'-3"
12" SLAB T/SL EL = 6'-4"
12" SLAB T/SL EL = 6'-6"
12" SLAB T/SL EL =3'-8"
10" THICK CONC WALL
10" THICK CONC WALL TO BOTTOM OF SLAB
10" THICK CONC WALL REINF SAME AS 2/FO-300 & 23/FO-304
BUILT-UP LANDING & STAIR
BUILT UP RAMP SEE DET. ON DWG S-980
8" KNEE WALL TO U/S STAIR LANDING
8" CONC WALL TO U/S OF STAIR LANDING
6" CONC WALL TO U/S OF STAIR LANDING
8" CONC WALL REINF. W/#4@12.5" EF &EW
8" CONC WALL TO U/S INTERMEDIATE LANDING
12" CONC WALL DRAIN OF UPPER STAIR LANDING
12" CONC WALL DRAIN OF LOWER STAIR LANDING
12X12 TRENCH DRAIN
3" SEAT AT STAIR LANDING
LT. WT. CONC. FILL
LT. WT. CONC. STAIR FILL
LT. WT. CONC. FILL TYP
LT. WT. CONC. FILL BELOW
LT. WT. CONC. FILL T/FILL EL = 14' - 3 3/4"
LT. WT. CONC. FILL T/FILL EL = 14' - 0"
LT. WT. CONC. FILL T/FILL EL = 13' - 9 1/2"
LT. WT. CONC. FILL T/FILL EL = 13' - 3 3/4"
LT. WT. CONC. FILL T/FILL EL = 12' - 10"
LT. WT. CONC. FILL T/FILL EL = 12' - 8"
LT. WT. CONC. FILL T/FILL EL = 12' - 3"
LT. WT. CONC. FILL T/FILL EL = 11' - 1"
LT. WT. CONC. FILL T/FILL EL = 10' - 8 1/4"
LT. WT. CONC. FILL T/FILL EL = 9' - 11 3/4"
LT. WT. CONC. FILL T/FILL EL = 9' - 9"
LT. WT. CONC. FILL T/FILL EL = 9' - 6"
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LT. WT. CONC. FILL T/FILL EL = 2' - 3"
LT. WT. CONC. FILL T/FILL EL = 2' - 0"
LT. WT. CONC. FILL T/FILL EL = 1' - 9"
LT. WT. CONC. FILL T/FILL EL = 1' - 6"
LT. WT. CONC. FILL T/FILL EL = 1' - 3"
LT. WT. CONC. FILL T/FILL EL = 1' - 0"
LT. WT. CONC. FILL T/FILL EL = 0' - 9"
LT. WT. CONC. FILL T/FILL EL = 0' - 6"
LT. WT. CONC. FILL T/FILL EL = 0' - 3"
LT. WT. CONC. FILL T/FILL EL = 0' - 0"
LT. WT. CONC. STAIR FILL
LT. WT. CONC. FILL BELOW
LT. WT. CONC. FILL
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LT. WT. CONC. FILL



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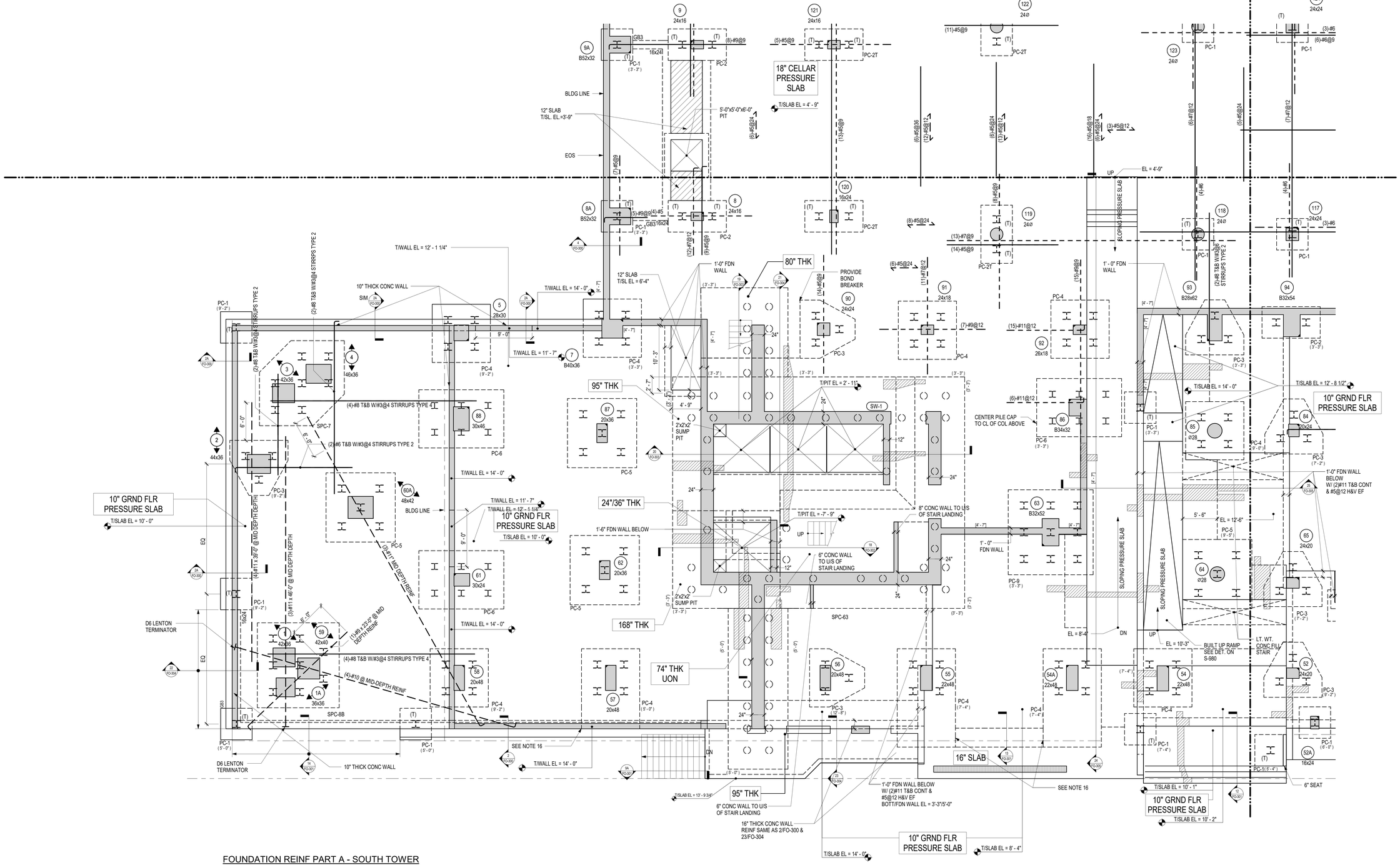
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FOUNDATION REINF PART A - SOUTH TOWER
SCALE: 3/16" = 1'-0"

PART B FO-102	PART C FO-103	PART D FO-104
PART A FO-101	PART F FO-106	PART E FO-105

KEY PLAN

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KEY PLAN

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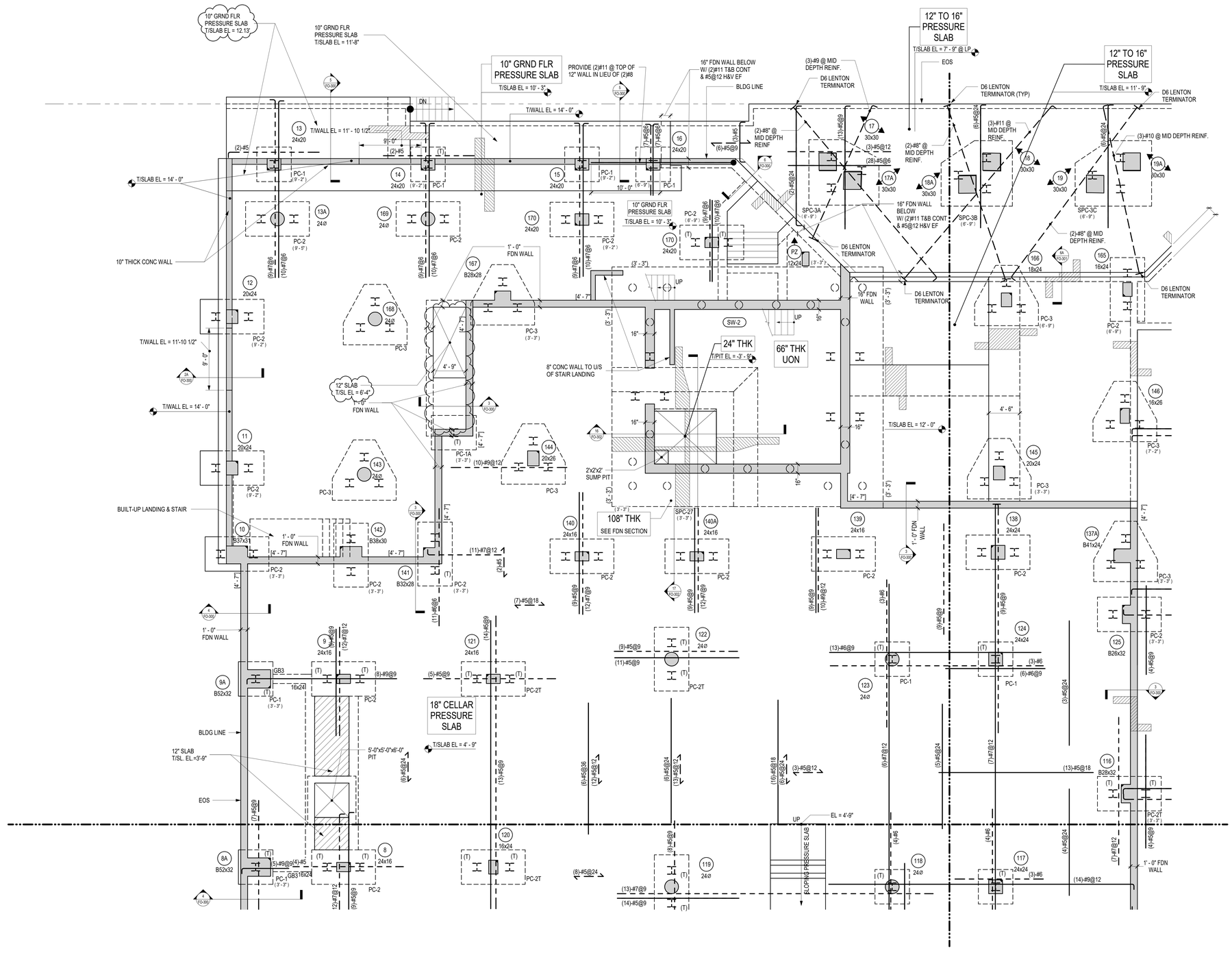
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FOUNDATION REINF PART B - NORTH TOWER

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

PART B FO-102	PART C FO-103	PART D FO-104
PART A FO-101	PART F FO-106	PART E FO-105

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KEY PLAN

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Date: 11/16/2022

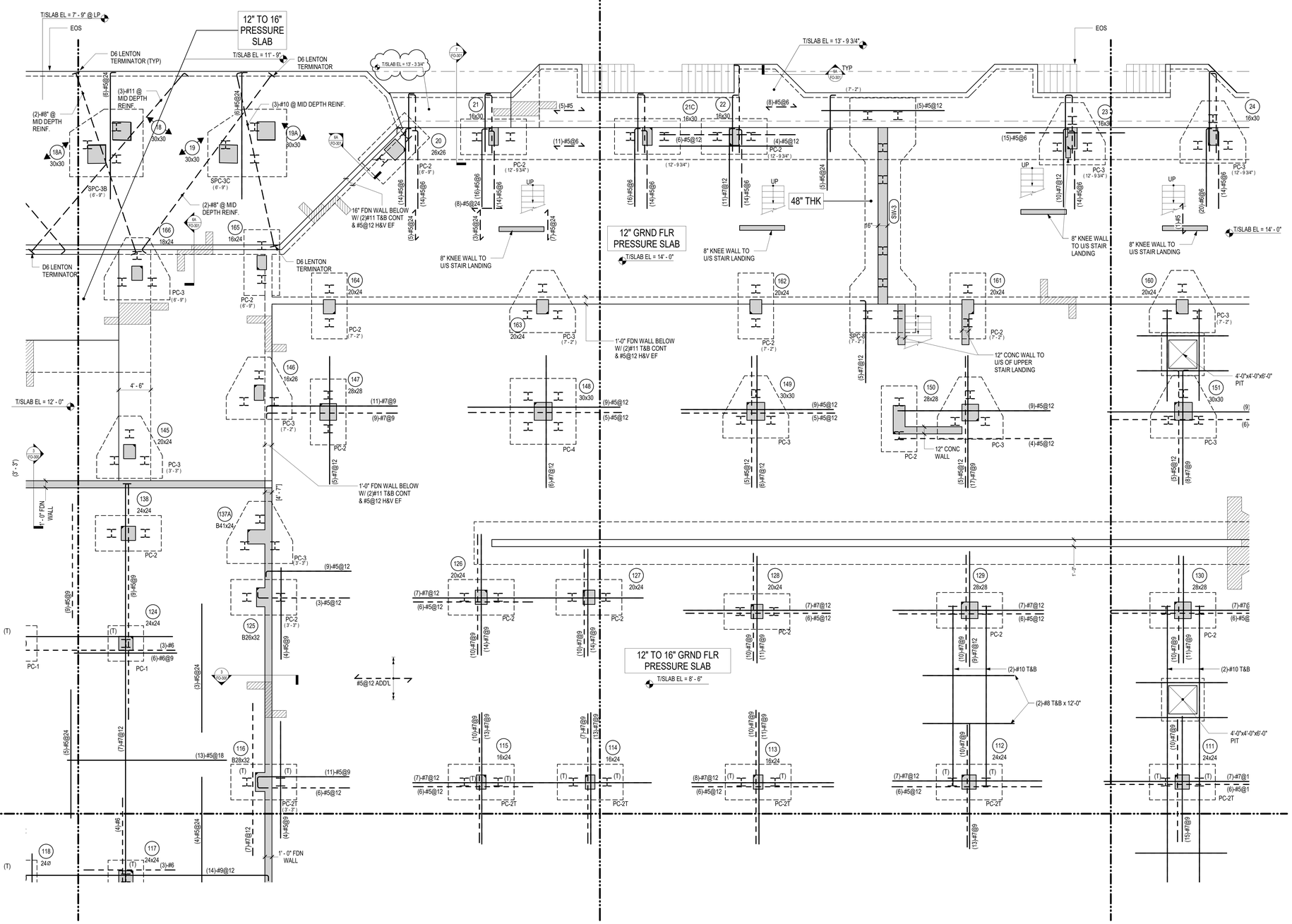
FOUNDATION REINF PART B - NORTH TOWER

SCALE: As indicated

DRAWING #:
FO-102.00
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DOB JOB:
B00539478- P2

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FOUNDATION REINF PART C - NORTH TOWER
SCALE: 3/16" = 1'-0"



MARVEL
145 HUDSON STREET, FLR.3 NEW YORK, NY 10013
212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

VERTICAL TRANSPORTATION
LERCH BATES
1430 BROADWAY, SUITE 908 NY, NY 10018

PARKING CONSULTANT
WALKER CONSULTANTS
49 W 38TH ST, 9TH FLOOR NY, NY 10018

SUSTAINABILITY CONSULTANT
STEVEN WINTER ASSOCIATES, INC
307 7TH AVE, SUITE 1701 NY, NY 1001

ENVELOPE CONSULTANT
SOCOTEC, INC
151 W 42ND ST, NY, NY 10036

GEOTECHNICAL/CIVIL ENGINEER
LANGAN
360 W 31ST ST, 8TH FLOOR NY, NY 10001

MARINE ENGINEER
MCLAREN ENGINEERING GROUP
131 W 35TH ST, 4TH FLOOR NY, NY 10001

LANDSCAPE DESIGNER
MARVEL
145 HUDSON ST, 3RD FLOOR NY, NY 10013

LANDSCAPE ARCHITECT (WATERFRONT)
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR NY, NY 10018

LIGHTING DESIGNER
ONELUX
158 W 29TH ST, 10TH FLOOR NY, NY 10001

ACCESSIBILITY
ACCESSIBILITY SERVICES
120-34 QUEENS BLVD, SUITE 320
KEW GARDENS, NY 11415

ACOUSTICS
LONGMAN-LINDSAY
200 W 41ST, SUITE 1100, NY, NY 10036

EXPEDITOR
JAM CONSULTANTS INC.
104 W 29TH ST, 9TH FLOOR NY, NY 10001

INTERIORS
INC ARCHITECTURE & DESIGN
150 VARICK ST, 5T FLOOR, NY, NY 10013

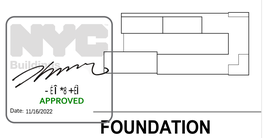
POOL CONSULTANT
AQUATECTONIC/LOTHROP ASSOCIATES, LLP
333 WESTCHESTER AVE,
WHITE PLAINS, NY 10604

FACADE MAINTENANCE
ENTEK ENGINEERING
166 AMES ST, HACKENSACK, NJ 07601

REV	DATE	DESCRIPTION
4	12/10/2021	50% DESIGN DEVELOPMENT
5	02/25/2022	ISSUED FOR 100% DD
6	05/20/2022	ISSUED FOR 50% CD
7	07/18/2022	REVISED AS NOTED
8	08/05/2022	100% CD
	10/05/2022	DOB PAA #1

2021054.00
1 JAVA
18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN



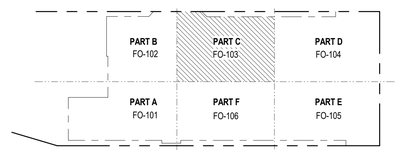
NYC Buildings
APPROVED
Date: 11/16/2022

FOUNDATION REINF PART C - NORTH TOWER

SCALE: As indicated

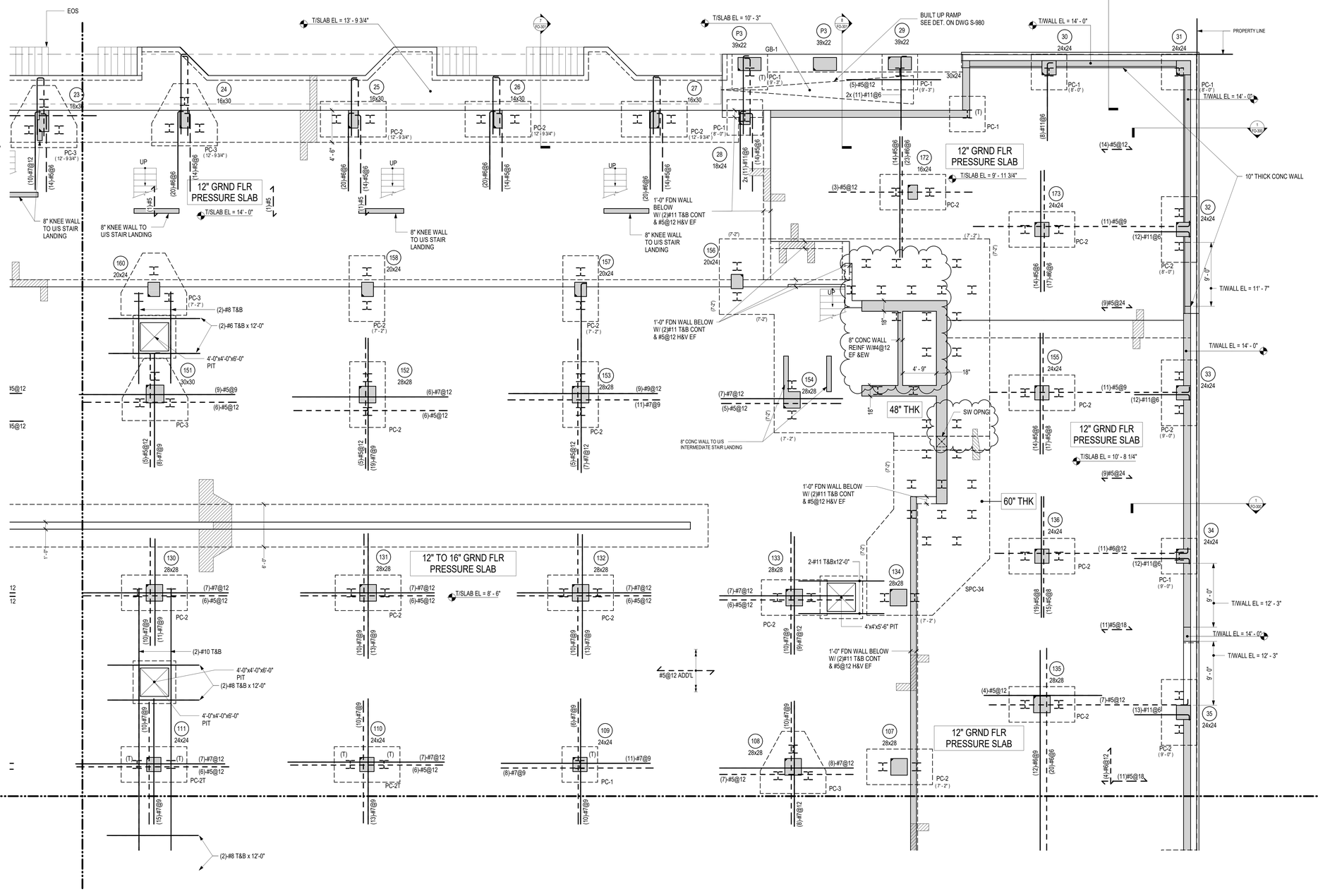
STATE OF NEW YORK VLADIMIR F. SEKULA 092770 LICENSED PROFESSIONAL ENGINEER

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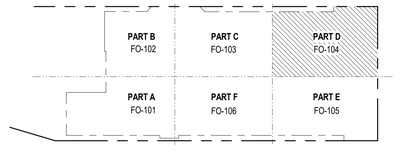


KEY PLAN

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FOUNDATION REINF PART D - NORTH TOWER
SCALE: 3/16" = 1'-0"



KEY PLAN



MARVEL
145 HUDSON STREET, FLR.3 NEW YORK, NY 10013
212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

VERTICAL TRANSPORTATION
LERCH BATES
1430 BROADWAY, SUITE 908 NY, NY 10018

PARKING CONSULTANT
WALKER CONSULTANTS
49 W 38TH ST, 9TH FLOOR NY, NY 10018

SUSTAINABILITY CONSULTANT
STEVEN WINTER ASSOCIATES, INC
307 7TH AVE, SUITE 1701 NY, NY 1001

ENVELOPE CONSULTANT
SOCOTEC, INC
151 W 42ND ST, NY, NY 10036

GEOTECHNICAL/CIVIL ENGINEER
LANGAN
360 W 31ST ST, 8TH FLOOR NY, NY 10001

MARINE ENGINEER
MCLAREN ENGINEERING GROUP
131 W 35TH ST, 4TH FLOOR NY, NY 10001

LANDSCAPE DESIGNER
MARVEL
145 HUDSON ST, 3RD FLOOR NY, NY 10013

LANDSCAPE ARCHITECT (WATERFRONT)
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR NY, NY 10018

LIGHTING DESIGNER
ONELUX
158 W 29TH ST, 10TH FLOOR NY, NY 10001

ACCESSIBILITY
ACCESSIBILITY SERVICES
120-34 QUEENS BLVD, SUITE 320
KEW GARDENS, NY 11415

ACOUSTICS
LONGMAN-LINDSAY
200 W 41ST, SUITE 1100, NY, NY 10036

EXPEDITOR
JAM CONSULTANTS INC.
104 W 29TH ST, 9TH FLOOR NY, NY 10001

INTERIORS
INC ARCHITECTURE & DESIGN
150 VARICK ST, 5T FLOOR, NY, NY 10013

POOL CONSULTANT
AQUATECTONIC/LOTHROP ASSOCIATES, LLP
333 WESTCHESTER AVE,
WHITE PLAINS, NY 10604

FACADE MAINTENANCE
ENTEK ENGINEERING
166 AMES ST, HACKENSACK, NJ 07601

REV	DATE	DESCRIPTION
4	12/10/2021	50% DESIGN DEVELOPMENT
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8	08/05/2022	100% CD
	10/05/2022	DOB PAA #1

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1 JAVA
18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN

APPROVED
Date: 11/16/2022

FOUNDATION REINF PART D - NORTH TOWER

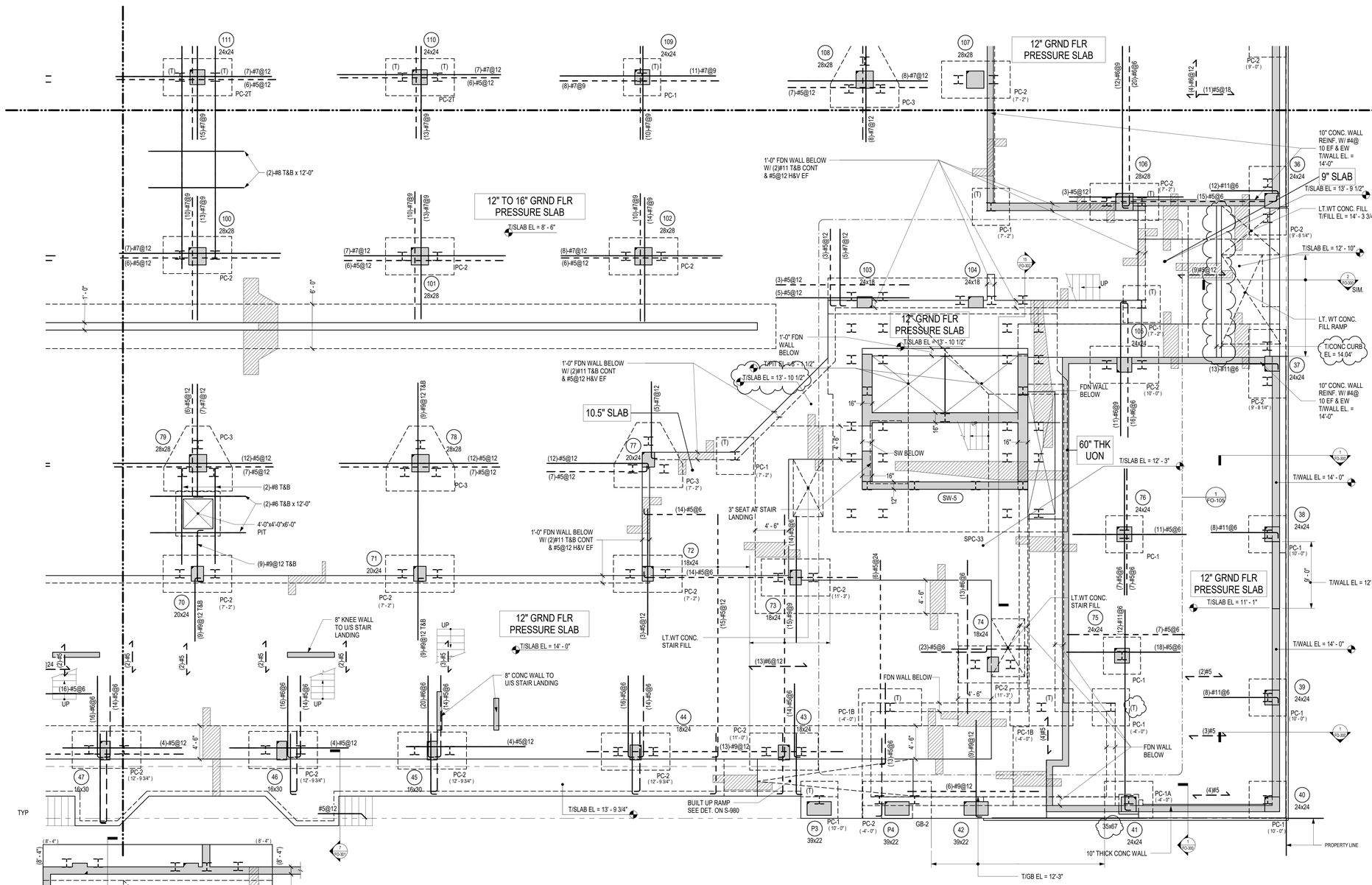
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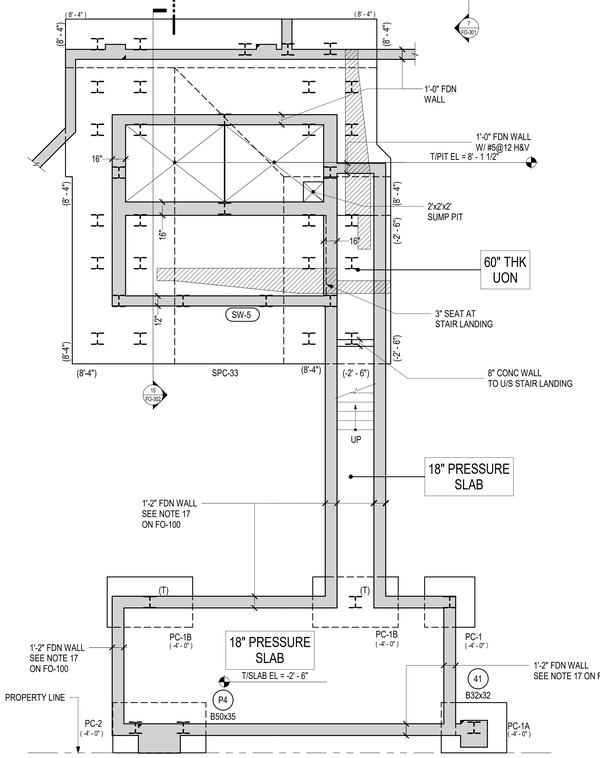
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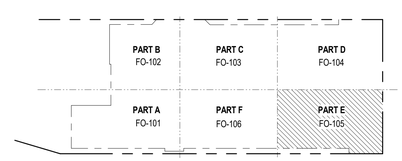


FOUNDATION REINF PART E - SOUTH TOWER

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



1 FO-105 FOUNDATION REINF PART PLAN
SCALE: 3/16" = 1'-0"



KEY PLAN



MARVEL
145 HUDSON STREET, FLR.3 NEW YORK, NY 10013
212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

VERTICAL TRANSPORTATION
LERCH BATES
1430 BROADWAY, SUITE 908 NY, NY 10018

PARKING CONSULTANT
WALKER CONSULTANTS
49 W 38TH ST, 9TH FLOOR NY, NY 10018

SUSTAINABILITY CONSULTANT
STEVEN WINTER ASSOCIATES, INC
307 7TH AVE, SUITE 1701 NY, NY 1001

ENVELOPE CONSULTANT
SOCOTEC, INC
151 W 42ND ST, NY, NY 10036

GEOTECHNICAL/CIVIL ENGINEER
LANGAN
360 W 31ST ST, 8TH FLOOR NY, NY 10001

MARINE ENGINEER
MCLAREN ENGINEERING GROUP
131 W 35TH ST, 4TH FLOOR NY, NY 10001

LANDSCAPE DESIGNER
MARVEL
145 HUDSON ST, 3RD FLOOR NY, NY 10013

LANDSCAPE ARCHITECT (WATERFRONT)
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR NY, NY 10018

LIGHTING DESIGNER
ONELUX
158 W 29TH ST, 10TH FLOOR NY, NY 10001

ACCESSIBILITY
ACCESSIBILITY SERVICES
120-34 QUEENS BLVD, SUITE 320
KEW GARDENS, NY 11415

ACOUSTICS
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200 W 41ST, SUITE 1100, NY, NY 10036

EXPEDITOR
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104 W 29TH ST, 9TH FLOOR NY, NY 10001

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INC ARCHITECTURE & DESIGN
150 VARICK ST, 5T FLOOR, NY, NY 10013

POOL CONSULTANT
AQUATECTONIC/LOTHROP ASSOCIATES, LLP
333 WESTCHESTER AVE,
WHITE PLAINS, NY 10604

FACADE MAINTENANCE
ENTEK ENGINEERING
166 AMES ST, HACKENSACK, NJ 07601

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	10/05/2022	DOB PAA #1

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1 JAVA
18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN

NYC Buildings
APPROVED
Date: 11/16/2022

FOUNDATION REINF PART E - SOUTH TOWER

SCALE: As indicated

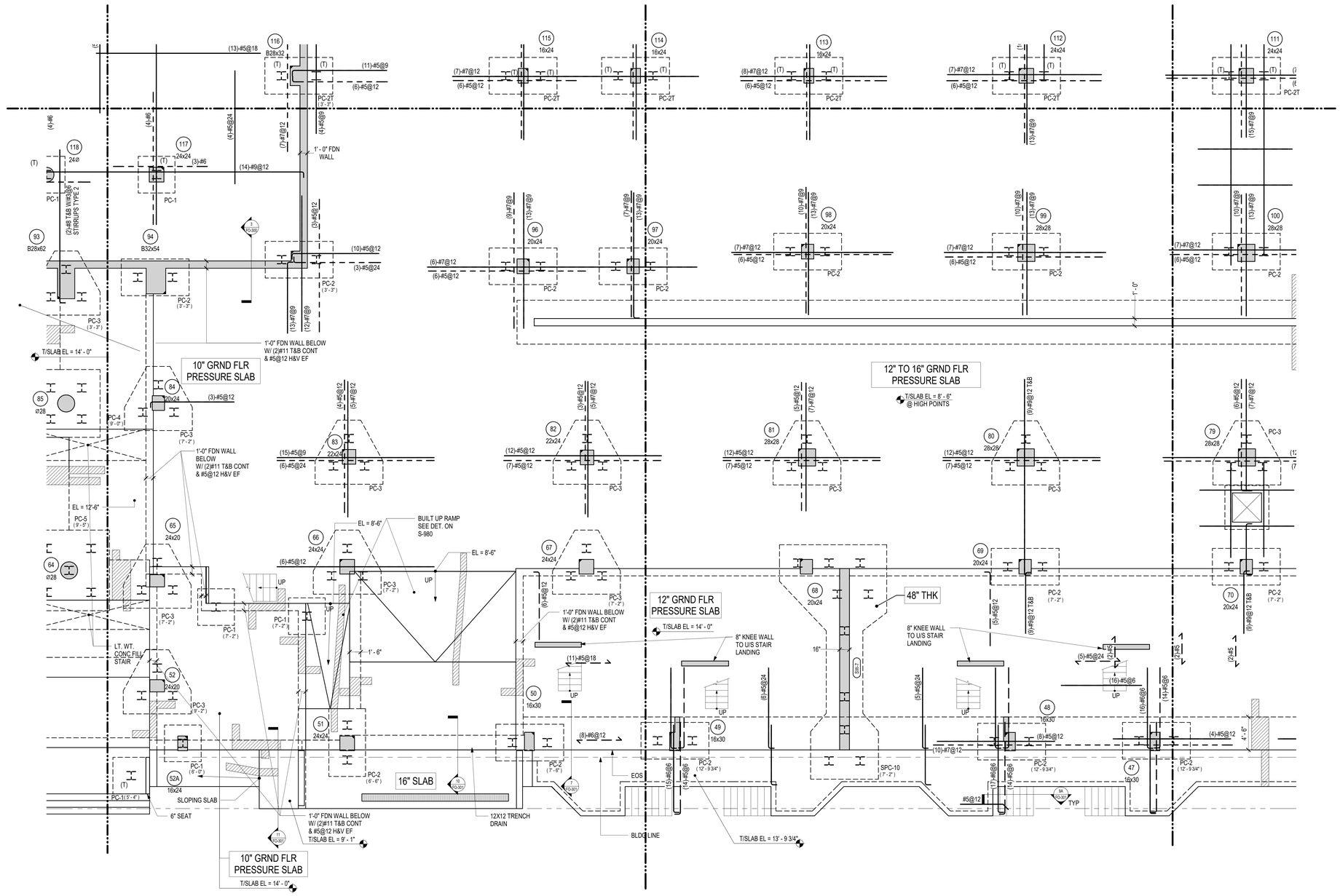
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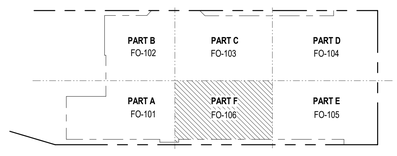
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FOUNDATION REINF PART F - SOUTH TOWER

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



KEY PLAN



MARVEL
145 HUDSON STREET, FLR.3 NEW YORK, NY 10013
212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

VERTICAL TRANSPORTATION
LERCH BATES
1430 BROADWAY, SUITE 908 NY, NY 10018

PARKING CONSULTANT
WALKER CONSULTANTS
49 W 38TH ST, 9TH FLOOR NY, NY 10018

SUSTAINABILITY CONSULTANT
STEVEN WINTER ASSOCIATES, INC
307 7TH AVE, SUITE 1701 NY, NY 1001

ENVELOPE CONSULTANT
SOCOTEC, INC
151 W 42ND ST, NY, NY 10036

GEOTECHNICAL/CIVIL ENGINEER
LANGAN
360 W 31ST ST, 8TH FLOOR NY, NY 10001

MARINE ENGINEER
MCLAREN ENGINEERING GROUP
131 W 35TH ST, 4TH FLOOR NY, NY 10001

LANDSCAPE DESIGNER
MARVEL
145 HUDSON ST, 3RD FLOOR NY, NY 10013

LANDSCAPE ARCHITECT (WATERFRONT)
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR NY, NY 10018

LIGHTING DESIGNER
ONELUX
158 W 29TH ST, 10TH FLOOR NY, NY 10001

ACCESSIBILITY
ACCESSIBILITY SERVICES
120-34 QUEENS BLVD, SUITE 320
KEW GARDENS, NY 11415

ACOUSTICS
LONGMAN-LINDSAY
200 W 41ST, SUITE 1100, NY, NY 10036

EXPEDITOR
JAM CONSULTANTS INC.
104 W 29TH ST, 9TH FLOOR NY, NY 10001

INTERIORS
INC ARCHITECTURE & DESIGN
150 VARICK ST, 5T FLOOR, NY, NY 10013

POOL CONSULTANT
AQUATECTONIC/LOTHROP ASSOCIATES, LLP
333 WESTCHESTER AVE,
WHITE PLAINS, NY 10604

FACADE MAINTENANCE
ENTEK ENGINEERING
166 AMES ST, HACKENSACK, NJ 07601

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2021054.00
1 JAVA

18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN

NYC Buildings
APPROVED
Date: 11/16/2022

FOUNDATION REINF PART F - SOUTH TOWER

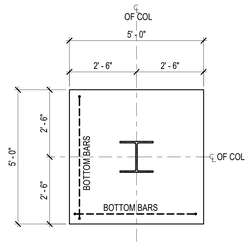
SCALE: As indicated

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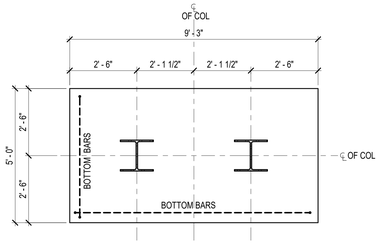
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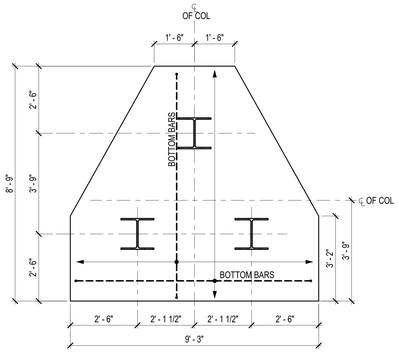
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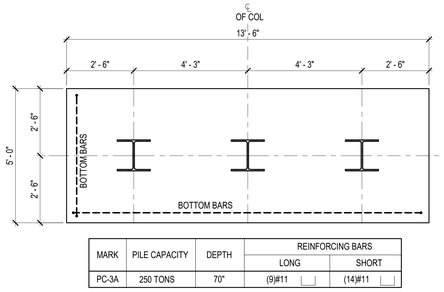
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			EACH WAY
PC-1	250 TONS	36"	(4)#9 ☐



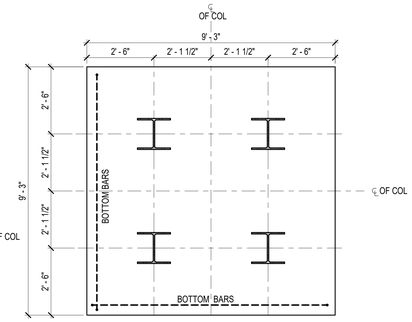
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			LONG	SHORT
PC-2	250 TONS	48"	(6)#11(BOT) ☐ (6)#9(TOP) ☐	(10)#9(BOT) ☐ (10)#9(TOP) ☐
PC-2T	250 TONS	48"		



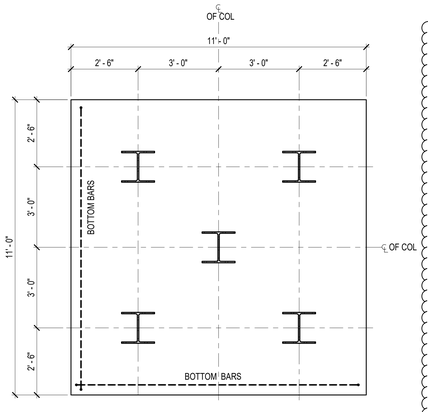
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			EACH WAY
PC-3	250 TONS	50"	(13)#11 ☐



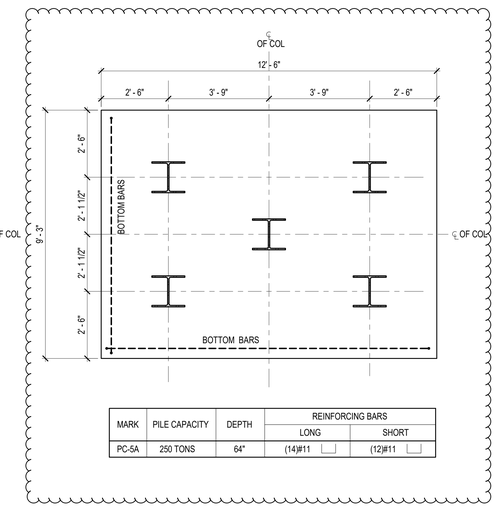
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PC-3A	250 TONS	70"	(9)#11 ☐	(14)#11 ☐



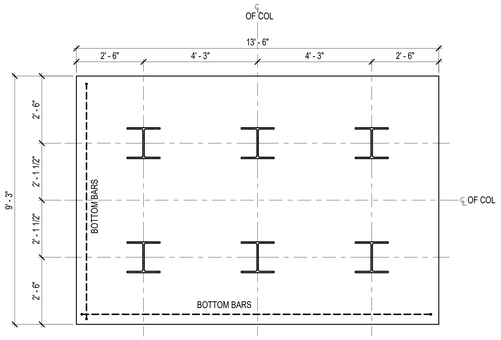
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			EACH WAY
PC-4	250 TONS	54"	(11)#11 ☐



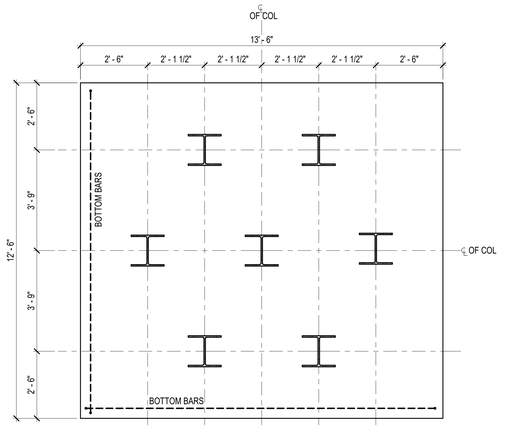
MARK	PILE CAPACITY	DEPTH	REINFORCING BARS
			EACH WAY
PC-5	250 TONS	58"	(14)#11 ☐



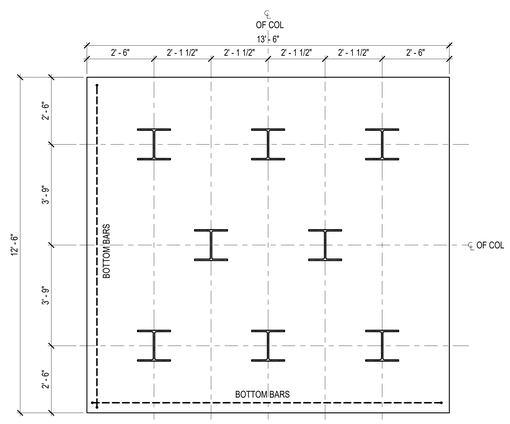
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			LONG	SHORT
PC-5A	250 TONS	64"	(14)#11 ☐	(12)#11 ☐



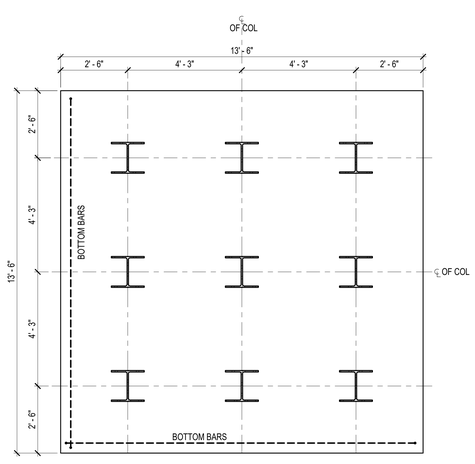
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			LONG	SHORT
PC-6	250 TONS	70"	(14)#11 ☐	(14)#11 ☐



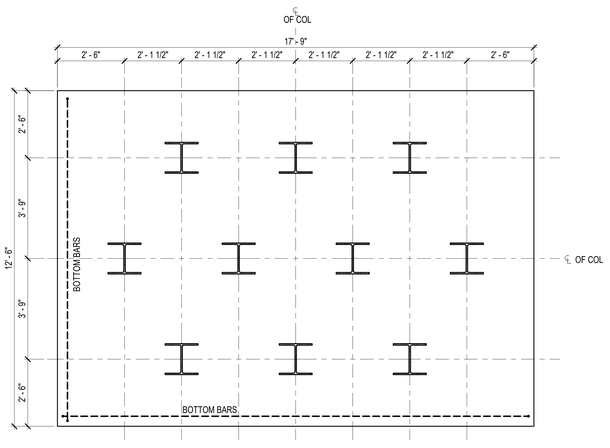
MARK	PIF CAPACITY	DEPTH	REINFORCING BARS	
			LONG	SHORT
PC-7	250 TONS	70"	(17)#11 ☐	(16)#11 ☐



MARK	PILE CAPACITY	DEPTH	REINFORCING BARS	
			LONG	SHORT
PC-8	250 TONS	70"	(19)#11 ☐	(21)#11 ☐

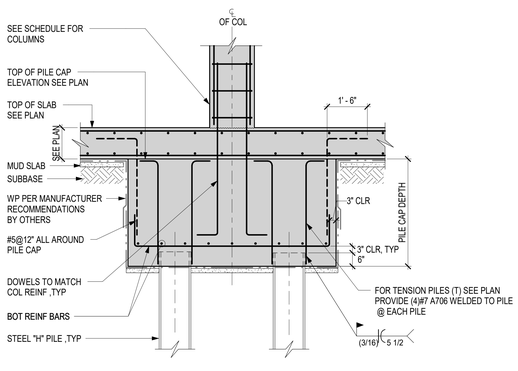


MARK	PILE CAPACITY	DEPTH	REINFORCING BARS
			EACH WAY
PC-9	250 TONS	74"	(22)#11 ☐

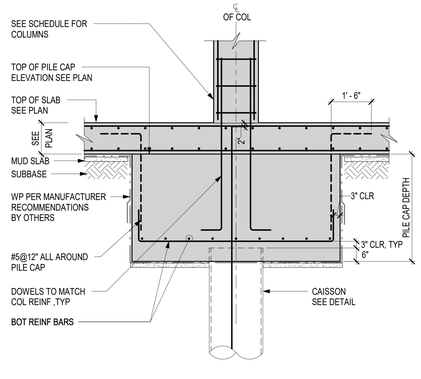


MARK	PILE CAPACITY	DEPTH	REINFORCING BARS	
			LONG	SHORT
PC-10	250 TONS	74"	(24)#11 ☐	(24)#11 ☐

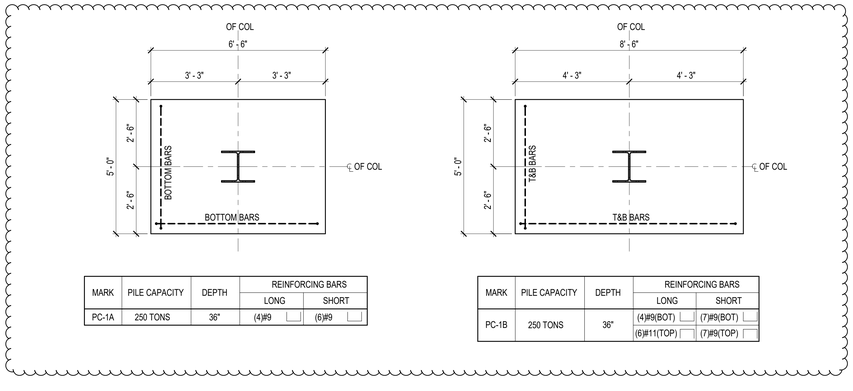
1 TYPICAL 250 TON H-PILE CAP DETAILS



2 TYPICAL "H" PILE CAP SECTION



3 TYPICAL CAISSON CAP SECTION



MARK	PILE CAPACITY	DEPTH	REINFORCING BARS	
			LONG	SHORT
PC-1A	250 TONS	36"	(4)#9 ☐	(6)#9 ☐

MARK	PILE CAPACITY	DEPTH	REINFORCING BARS	
			LONG	SHORT
PC-1B	250 TONS	36"	(4)#9(BOT) ☐ (6)#11(TOP) ☐	(7)#9(BOT) ☐ (7)#9(TOP) ☐



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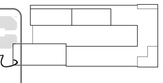
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2	06/11/2021	50% SCHEMATIC SUBMISSION
3	08/06/2021	ISSUED FOR 100% SD
4	12/10/2021	50% DESIGN DEVELOPMENT
5	02/25/2022	ISSUED FOR 100% DD
6	05/20/2022	ISSUED FOR 50% CD
7	07/18/2022	REVISED AS NOTED
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APPROVED
Date: 11/16/2022

250 TON CONCRETE PILE CAP DETAILS

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

STATE OF NEW YORK · BENJAMIN E. SERAFINI · 092770 · LICENSED PROFESSIONAL ENGINEER

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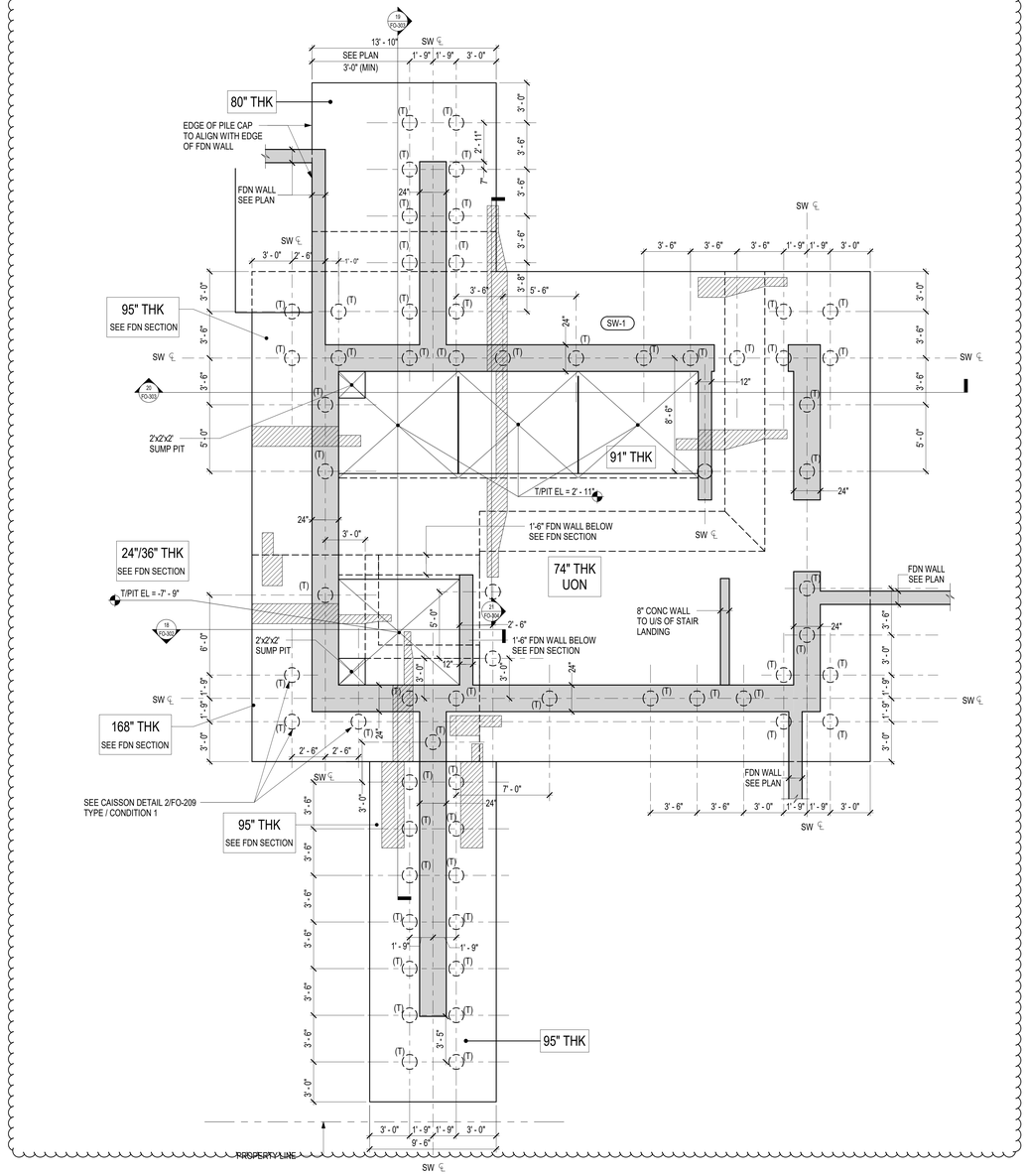
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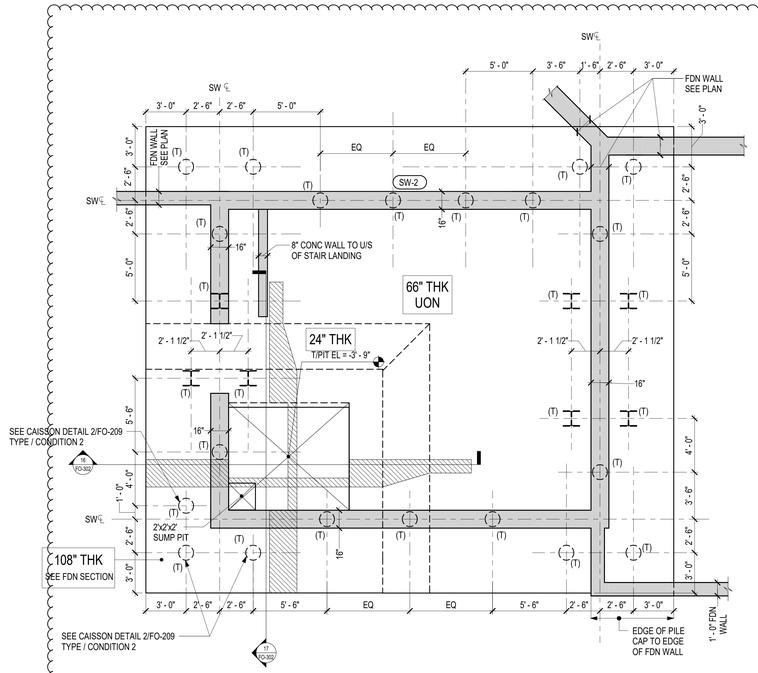
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1 FO-201 SW-1 SPECIAL PILE CAP SPC-63 PILE LAYOUT PLAN

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

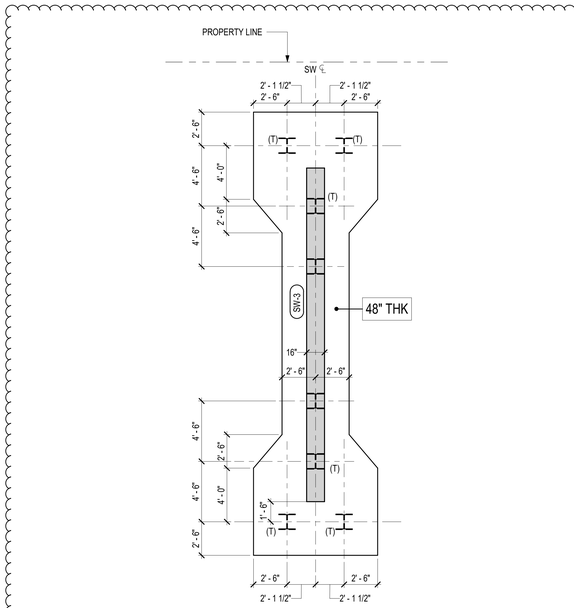
NOTES:
1. FOR BALANCE OF NOTES SEE DWG FO-100.
2. FOR PILE CAP REINFORCEMENT SEE PILE CAP REINFORCEMENT PLAN
3. (T) INDICATES TENSION PILES
4. HP-PILE MINIMUM EDGE DISTANCE FROM CENTER OF PILE SHALL BE 2'-6"
5. CAISSON MINIMUM EDGE DISTANCE FROM CENTER OF CAISSON SHALL BE 3'-0"



2 FO-201 SW-2 SPECIAL PILE CAP SPC-27 PILE LAYOUT PLAN

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

NOTES:
1. FOR BALANCE OF NOTES SEE DWG FO-100.
2. FOR PILE CAP REINFORCEMENT SEE PILE CAP REINFORCEMENT PLAN
3. (T) INDICATES TENSION PILES
4. HP-PILE MINIMUM EDGE DISTANCE FROM CENTER OF PILE SHALL BE 2'-6"
5. CAISSON MINIMUM EDGE DISTANCE FROM CENTER OF CAISSON SHALL BE 3'-0"



3 FO-201 SW-3 SPECIAL PILE CAP SPC-8 PILE LAYOUT PLAN

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

NOTES:
1. FOR BALANCE OF NOTES SEE DWG FO-100.
2. FOR PILE CAP REINFORCEMENT SEE PILE CAP REINFORCEMENT PLAN
3. (T) INDICATES TENSION PILES
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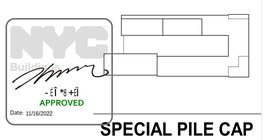
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SPECIAL PILE CAP DETAILS

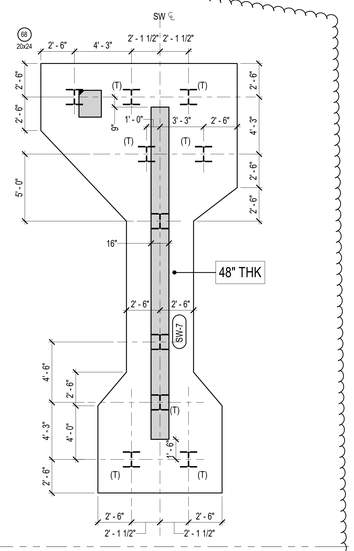
SCALE: 1/4" = 1'-0"



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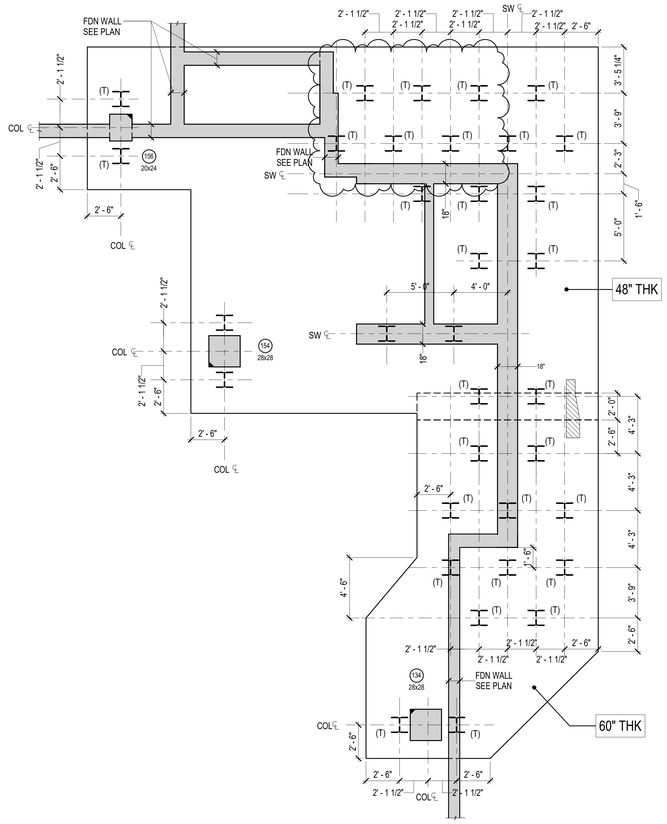
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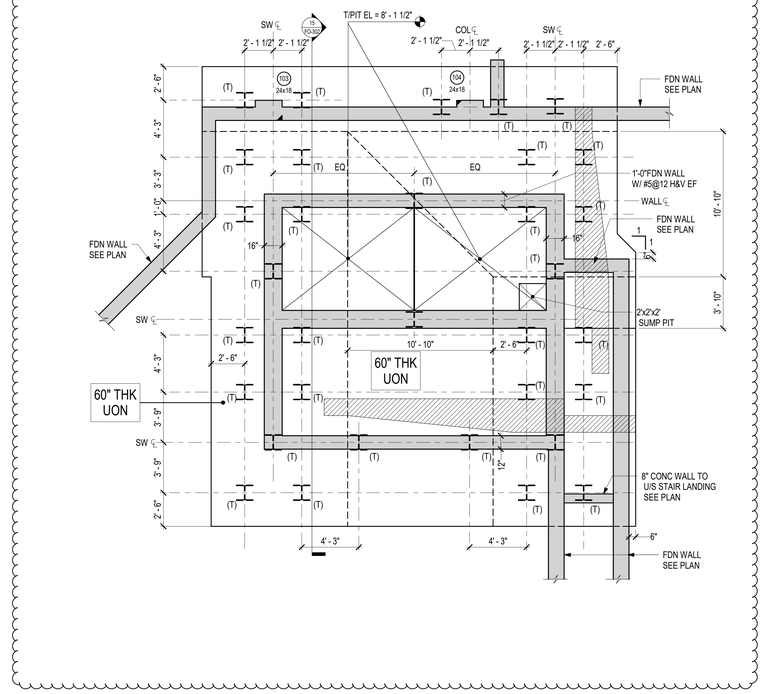
1 FO-202 SW-7 SPECIAL PILE CAP SPC-10 PILE LAYOUT PLAN
SCALE: 1/4" = 1'-0"

NOTES:
1. FOR BALANCE OF NOTES SEE DWG FO-100.
2. FOR PILE CAP REINFORCEMENT SEE PILE CAP REINFORCEMENT PLAN
3. (T) INDICATES TENSION PILES
4. HP-PILE MINIMUM EDGE DISTANCE FROM CENTER OF PILE SHALL BE 2'-6"
5. CAISSON MINIMUM EDGE DISTANCE FROM CENTER OF CAISSON SHALL BE 3'-0"



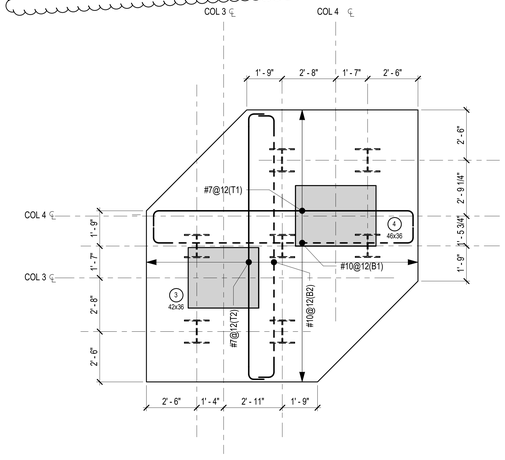
2 FO-202 SW-4 SPECIAL PILE CAP SPC-34 PILE LAYOUT PLAN
SCALE: 1/4" = 1'-0"

NOTES:
1. FOR BALANCE OF NOTES SEE DWG FO-100.
2. FOR PILE CAP REINFORCEMENT SEE PILE CAP REINFORCEMENT PLAN
3. (T) INDICATES TENSION PILES
4. HP-PILE MINIMUM EDGE DISTANCE FROM CENTER OF PILE SHALL BE 2'-6"
5. CAISSON MINIMUM EDGE DISTANCE FROM CENTER OF CAISSON SHALL BE 3'-0"



3 FO-202 SW-5 SPECIAL PILE CAP SPC-33 PILE LAYOUT PLAN
SCALE: 1/4" = 1'-0"

NOTES:
1. FOR BALANCE OF NOTES SEE DWG FO-100.
2. FOR PILE CAP REINFORCEMENT SEE PILE CAP REINFORCEMENT PLAN
3. (T) INDICATES TENSION PILES
4. HP-PILE MINIMUM EDGE DISTANCE FROM CENTER OF PILE SHALL BE 2'-6"
5. CAISSON MINIMUM EDGE DISTANCE FROM CENTER OF CAISSON SHALL BE 3'-0"



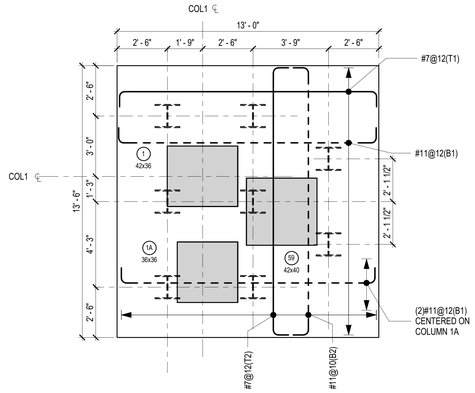
4 FO-202 SPECIAL PILE CAP SPC-7 PILE LAYOUT AND REINFORCEMENT PLAN
SCALE: 3/8" = 1'-0"

NOTES:
1. FOR BALANCE OF NOTES, SEE SPECIAL PILE CAPS REINFORCEMENT GENERAL NOTES FO-203.

SPECIAL PILE CAP REINFORCEMENT				
MARK	PILE CAPACITY	DEPTH	REINFORCING BARS	
			LONG	SHORT
SPC-7	250 TONS	42"	SEE PLAN	SEE PLAN



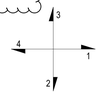
INDICATE SEQUENCE OF PLACING BARS



6 FO-202 SPECIAL PILE CAP SPC-8B PILE LAYOUT AND REINFORCEMENT PLAN
SCALE: 3/8" = 1'-0"

NOTES:
1. FOR BALANCE OF NOTES, SEE SPECIAL PILE CAPS REINFORCEMENT GENERAL NOTES FO-203.

SPECIAL PILE CAP REINFORCEMENT				
MARK	PILE CAPACITY	DEPTH	REINFORCING BARS	
			LONG	SHORT
SPC-8B	250 TONS	48"	SEE PLAN	SEE PLAN



INDICATE SEQUENCE OF PLACING BARS



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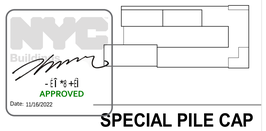
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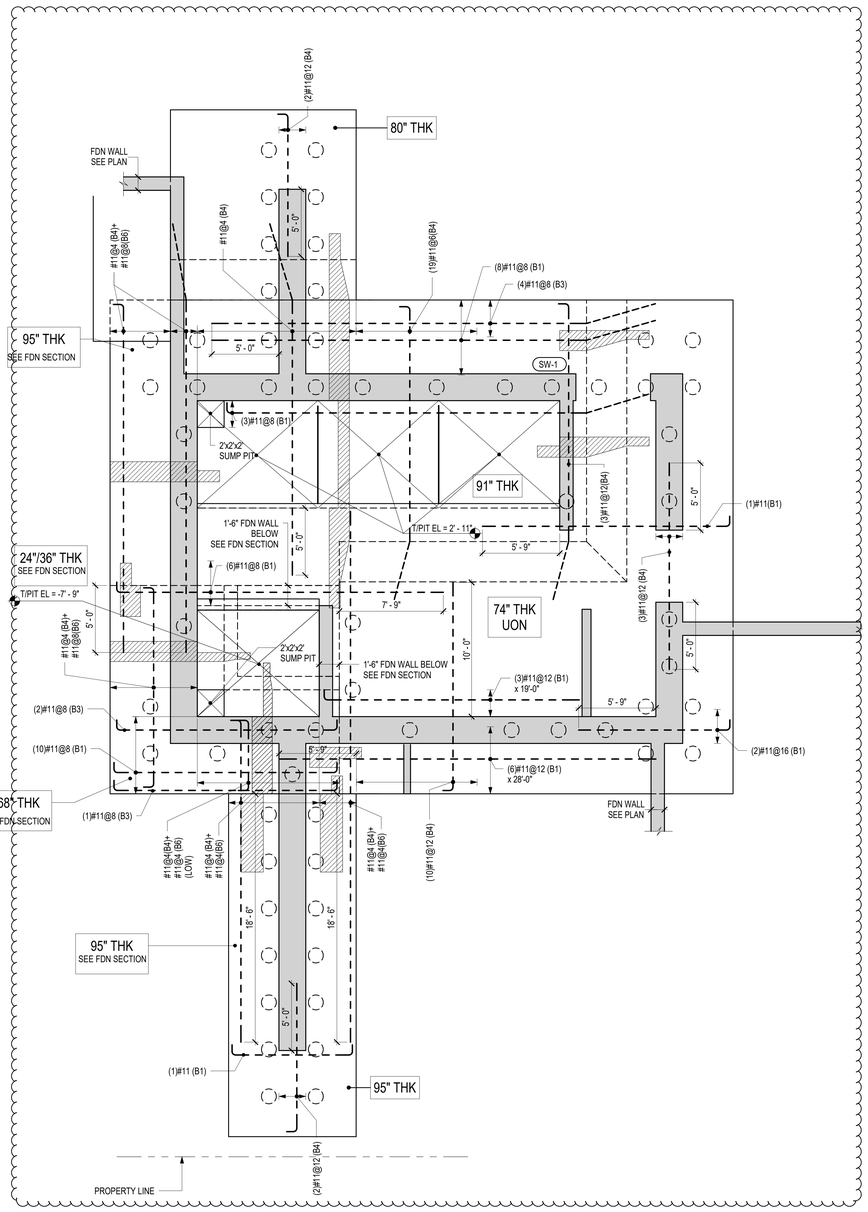
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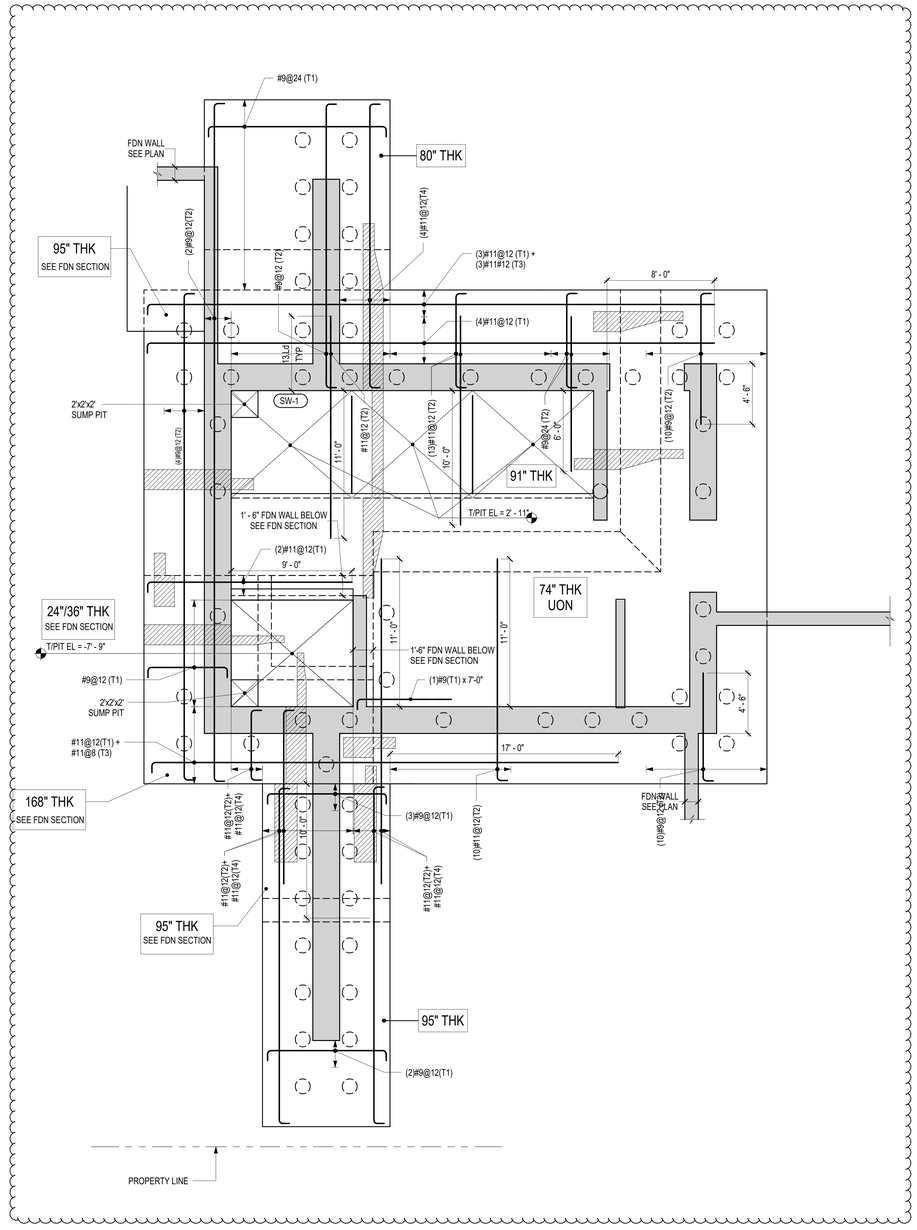
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1 FO-203 SW-1 SPECIAL PILE CAP SPC-63 REINFORCEMENT PLAN (ADDITIONAL BOTTOM BARS)
SCALE: 1/4" = 1'-0"



2 FO-203 SW-1 SPECIAL PILE CAP SPC-63 REINFORCEMENT PLAN (ADDITIONAL TOP BARS)
SCALE: 1/4" = 1'-0"

NOTES:
1. ALL REINFORCEMENT SHOWN ON PLAN ARE IN ADDITION TO THE TYPICAL MAT REINFORCEMENT TABLE BELOW
2. FOR BALANCE OF NOTES, SEE SPECIAL PILE CAPS REINFORCEMENT GENERAL NOTES FO-203
3. BOTTOM REINFORCEMENT TO FOLLOW THE SHAPE AS SHOWN ON FOUNDATION SECTION

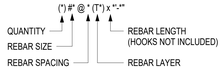
TYPICAL MAT REINFORCEMENT						
THICKNESS	CONCRETE STRENGTH	B1	B2	T1	T2	REMARKS
24"/36"	f'c = 6000 psi	#6@10	#6@10	#6@10	#6@10	
74" & 80"		#11@8	#11@4	#9@12	#9@12	
91", 95"		#11@8	#11@4	#9@12	#9@12	
168"		#11@8	#11@4	#9@12	#9@12	



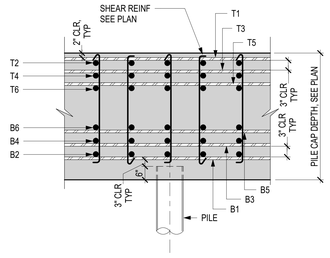
INDICATE SEQUENCE OF PLACING BARS

SPECIAL PILE CAPS REINFORCEMENT GENERAL NOTES:

1. FOR BALANCE OF NOTES SEE DWG FO-100.
2. ALL ADDITIONAL REINF SHALL BE CENTERED ON WALL OR COLUMNS UON.
3. FOR PARALLEL REINF CALLED OUT WITH SAME REBAR LAYER, PLACE REINF ALTERNATELY.
4. CONCRETE STRENGTH f'c = 6,000 psi UON
5. REINFORCEMENT fy = 60ksi UON



REBAR LAYOUT



TYP PILE CAP REINF LAYOUT



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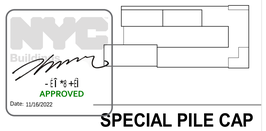
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Date: 11/3/2022

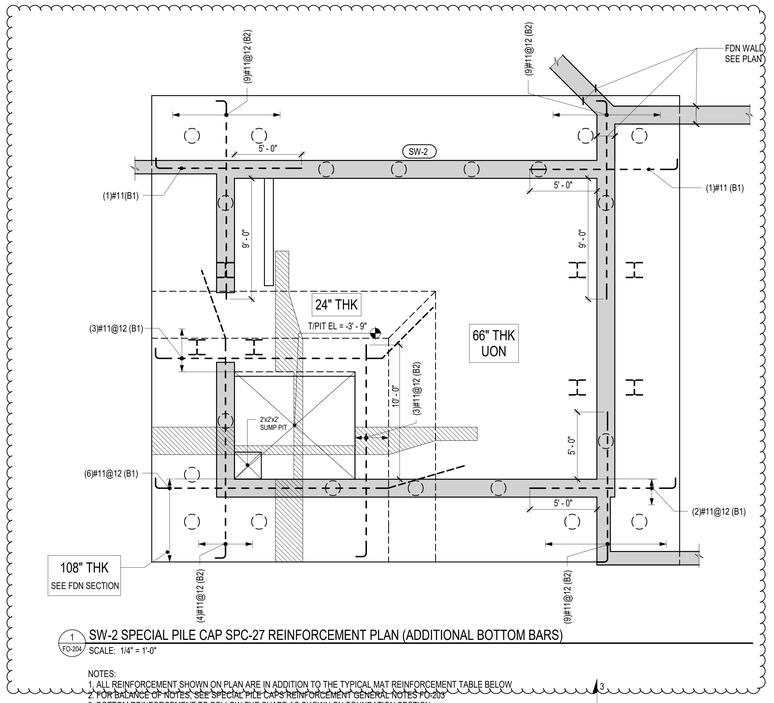
SPECIAL PILE CAP DETAILS

SCALE: As indicated

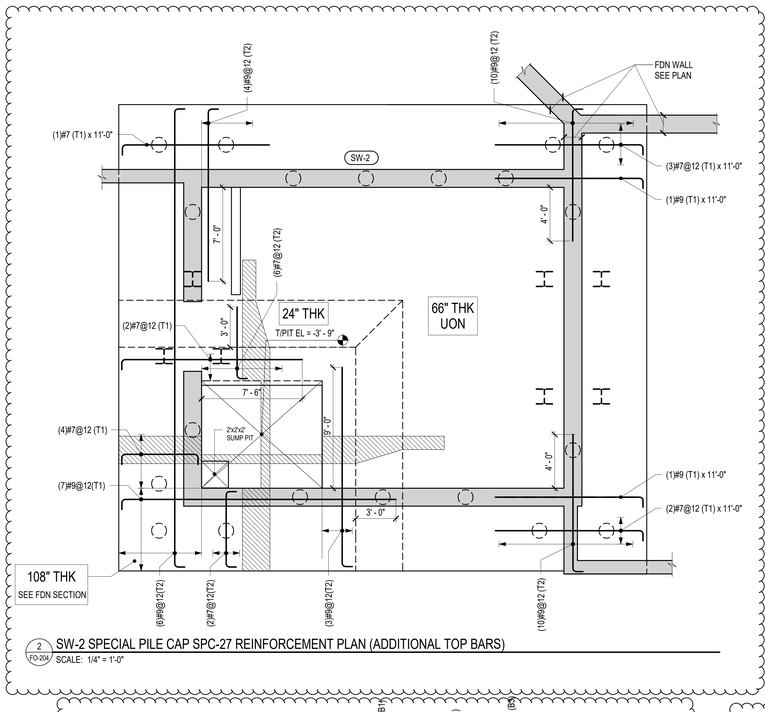


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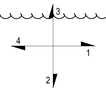
1 FO-204 SW-2 SPECIAL PILE CAP SPC-27 REINFORCEMENT PLAN (ADDITIONAL BOTTOM BARS)
SCALE: 1/4" = 1'-0"



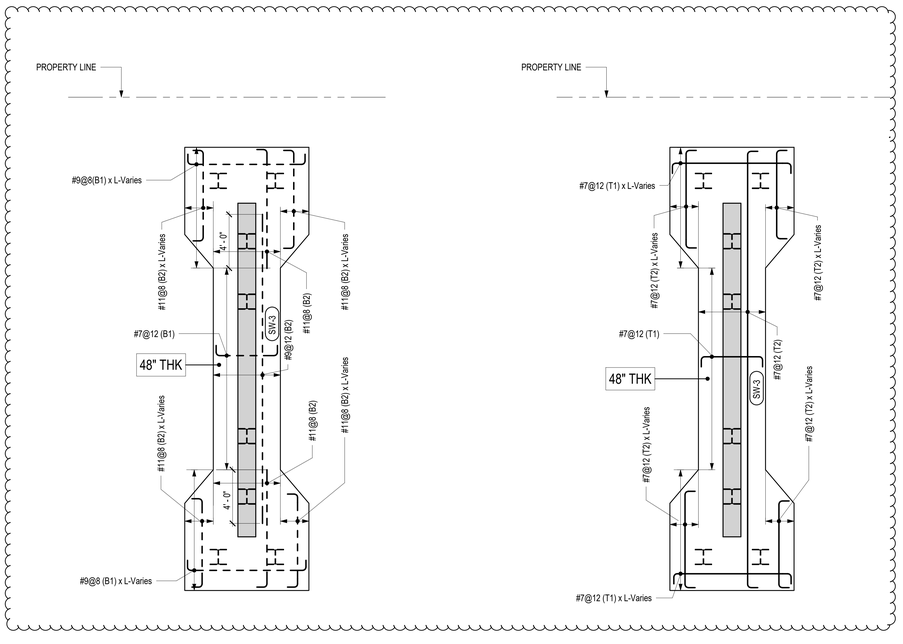
2 FO-204 SW-2 SPECIAL PILE CAP SPC-27 REINFORCEMENT PLAN (ADDITIONAL TOP BARS)
SCALE: 1/4" = 1'-0"

NOTES:
1. ALL REINFORCEMENT SHOWN ON PLAN ARE IN ADDITION TO THE TYPICAL MAT REINFORCEMENT TABLE BELOW
2. FOR BALANCE OF NOTES, SEE SPECIAL PILE CAPS REINFORCEMENT GENERAL NOTES FO-203
3. BOTTOM REINFORCEMENT TO FOLLOW THE SHAPE AS SHOWN ON FOUNDATION SECTION

TYPICAL MAT REINFORCEMENT						
THICKNESS	CONCRETE STRENGTH	B1	B2	T1	T2	REMARKS
24"	f'c = 6000 psi	#11@12	#11@12	#6@12	#6@12	
66"		#11@12	#11@12	#7@12	#7@12	
108"		#11@12	#11@12	#7@12	#7@12	

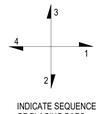


INDICATE SEQUENCE OF PLACING BARS



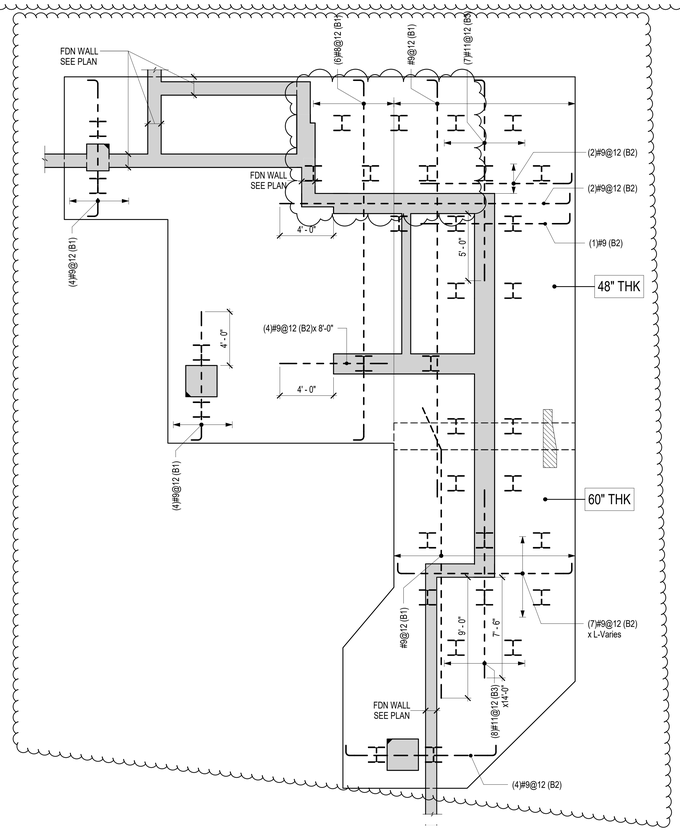
3 FO-204 SW-3 SPECIAL PILE CAP SPC-8 REINFORCEMENT PLAN - BOTTOM BARS
SCALE: 1/4" = 1'-0"

NOTES:
1. FOR BALANCE OF NOTES, SEE SPECIAL PILE CAPS REINFORCEMENT GENERAL NOTES FO-203



INDICATE SEQUENCE OF PLACING BARS

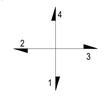
4 FO-204 SW-3 SPECIAL PILE CAP SPC-8 REINFORCEMENT PLAN - TOP BARS
SCALE: 1/4" = 1'-0"



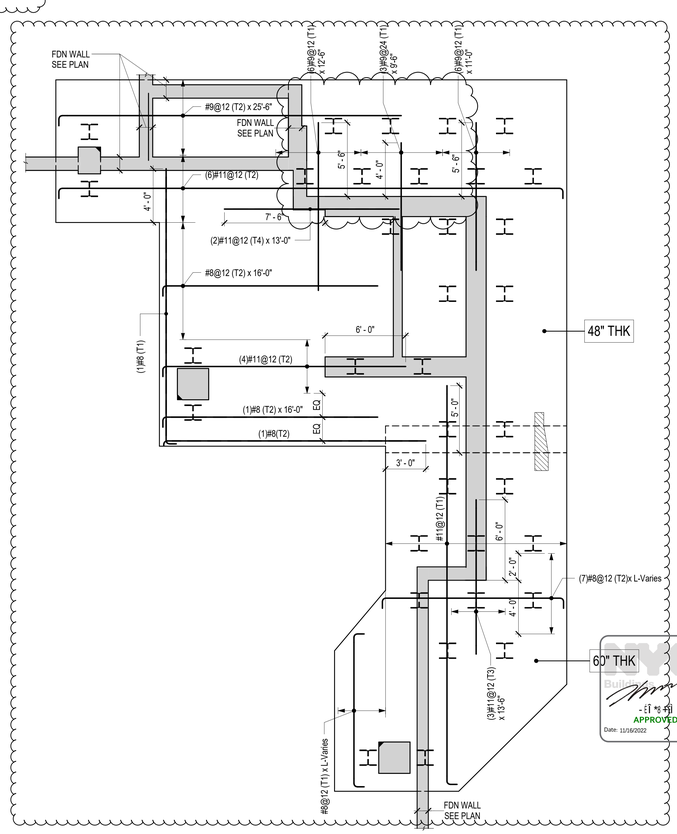
5 FO-204 SW-4 SPECIAL PILE CAP SPC-34 REINFORCEMENT PLAN (ADDITIONAL BOTTOM BARS)
SCALE: 1/4" = 1'-0"

NOTES:
1. ALL REINFORCEMENT SHOWN ON PLAN ARE IN ADDITION TO THE TYPICAL MAT REINFORCEMENT TABLE BELOW
2. FOR BALANCE OF NOTES, SEE SPECIAL PILE CAPS REINFORCEMENT GENERAL NOTES FO-203

TYPICAL MAT REINFORCEMENT						
THICKNESS	CONCRETE STRENGTH	B1	B2	T1	T2	REMARKS
48"	f'c = 6000 psi	#9@12	#9@12	#8@12	#8@12	
60"		#9@12	#9@12	#8@12	#8@12	



INDICATE SEQUENCE OF PLACING BARS



6 FO-204 SW-4 SPECIAL PILE CAP SPC-34 REINFORCEMENT PLAN (ADDITIONAL TOP BARS)
SCALE: 1/4" = 1'-0"



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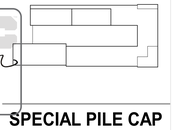
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FACADE MAINTENANCE
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166 AMES ST, HACKENSACK, NJ 07601

REV	DATE	DESCRIPTION
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8	08/05/2022	100% CD
	10/05/2022	DOB PAA #1

2021054.00
1 JAVA
18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN



DOB Approved
Date: 11/16/2022

SPECIAL PILE CAP DETAILS

SCALE: As indicated

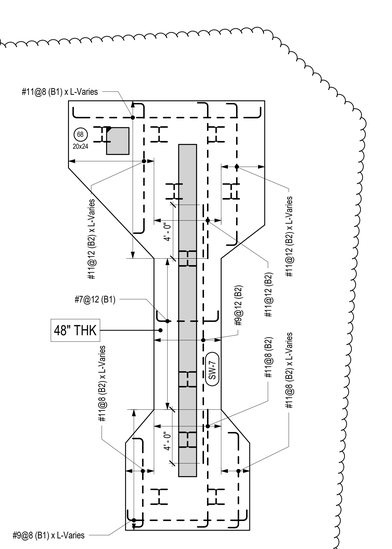


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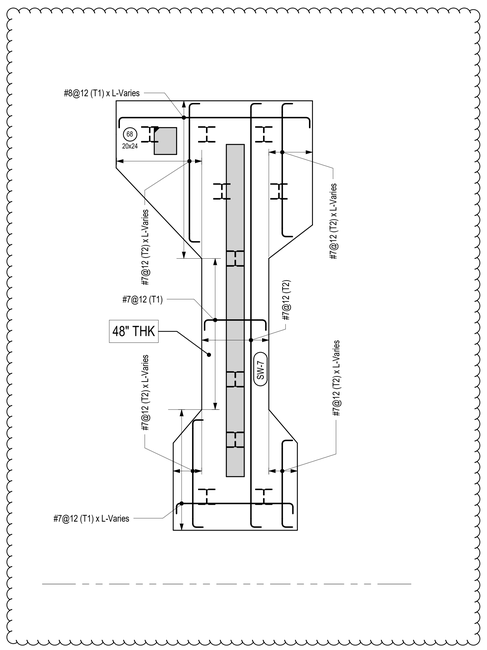
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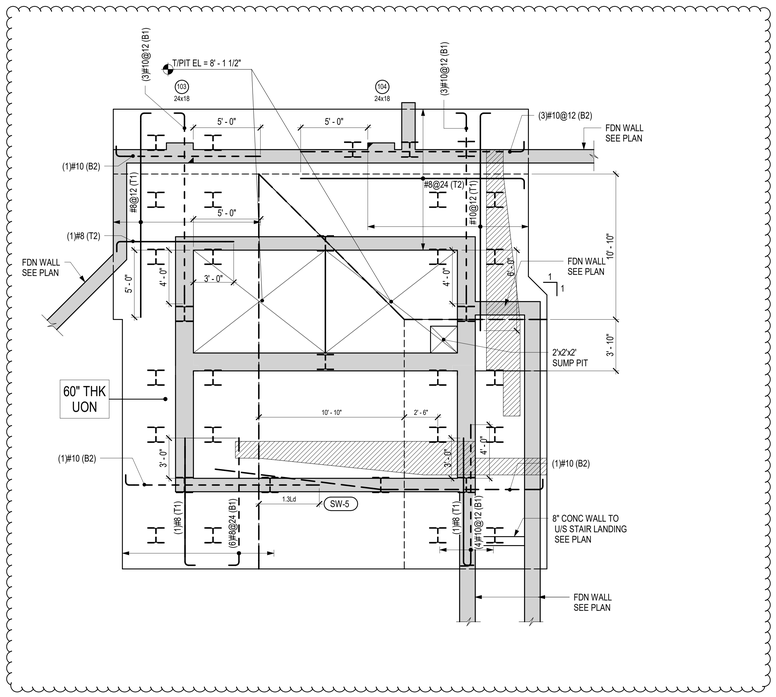
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1 FO-205 SW-7 SPECIAL PILE CAP SPC-10 REINFORCEMENT PLAN - BOTTOM BARS
SCALE: 1/4" = 1'-0"



2 FO-205 SW-7 SPECIAL PILE CAP SPC-10 REINFORCEMENT PLAN - TOP BARS
SCALE: 1/4" = 1'-0"



3 FO-205 SW-5 SPECIAL PILE CAP SPC-33 REINFORCEMENT PLAN (ADDITIONAL TOP & BOTTOM BARS)
SCALE: 1/4" = 1'-0"

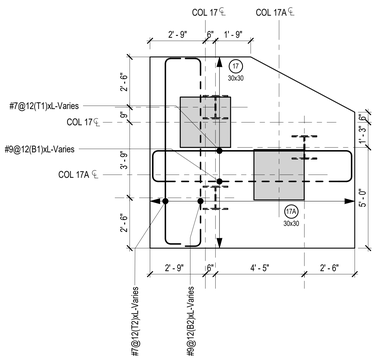
NOTES:
1. FOR BALANCE OF NOTES, SEE SPECIAL PILE CAPS REINFORCEMENT GENERAL NOTES FO-203

INDICATE SEQUENCE OF PLACING BARS

NOTES:
1. ALL REINFORCEMENT SHOWN ON PLAN ARE IN ADDITION TO THE TYPICAL MAT REINFORCEMENT TABLE BELOW
2. FOR BALANCE OF NOTES, SEE SPECIAL PILE CAPS REINFORCEMENT GENERAL NOTES FO-203
3. BOTTOM REINFORCEMENT TO FOLLOW THE SHAPE AS SHOWN ON FOUNDATION SECTION

TYPICAL MAT REINFORCEMENT						
THICKNESS	CONCRETE STRENGTH	B1	B2	T1	T2	REMARKS
60"	f'c = 6000 psi	#10@12	#10@12	#8@12	#8@12	

INDICATE SEQUENCE OF PLACING BARS



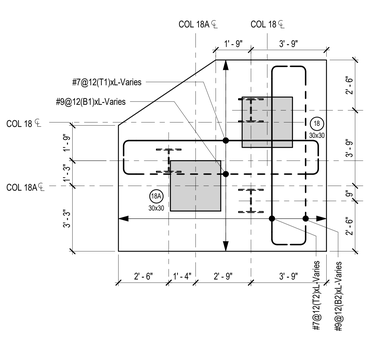
4 FO-205 SPECIAL PILE CAP SPC-3A PILE LAYOUT AND REINFORCEMENT PLAN
SCALE: 3/8" = 1'-0"

NOTES:
1. FOR BALANCE OF NOTES, SEE SPECIAL PILE CAPS REINFORCEMENT GENERAL NOTES FO-203.

SPECIAL PILE CAP REINFORCEMENT				
MARK	PILE CAPACITY	DEPTH	REINFORCING BARS	
			LONG	SHORT
SPC-3A	250 TONS	48"	SEE PLAN	SEE PLAN



INDICATE SEQUENCE OF PLACING BARS



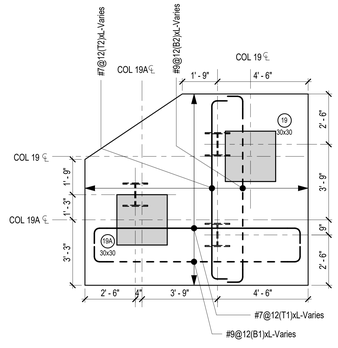
5 FO-205 SPECIAL PILE CAP SPC-3B PILE LAYOUT AND REINFORCEMENT PLAN
SCALE: 3/8" = 1'-0"

NOTES:
1. FOR BALANCE OF NOTES, SEE SPECIAL PILE CAPS REINFORCEMENT GENERAL NOTES FO-203.

SPECIAL PILE CAP REINFORCEMENT				
MARK	PILE CAPACITY	DEPTH	REINFORCING BARS	
			LONG	SHORT
SPC-3B	250 TONS	48"	SEE PLAN	SEE PLAN



INDICATE SEQUENCE OF PLACING BARS



6 FO-205 SPECIAL PILE CAP SPC-3C PILE LAYOUT AND REINFORCEMENT PLAN
SCALE: 3/8" = 1'-0"

NOTES:
1. FOR BALANCE OF NOTES, SEE SPECIAL PILE CAPS REINFORCEMENT GENERAL NOTES FO-203.

SPECIAL PILE CAP REINFORCEMENT				
MARK	PILE CAPACITY	DEPTH	REINFORCING BARS	
			LONG	SHORT
SPC-3C	250 TONS	48"	SEE PLAN	SEE PLAN



INDICATE SEQUENCE OF PLACING BARS



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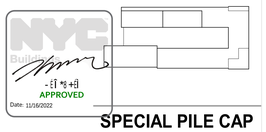
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2021054.00
1 JAVA

18 INDIA STREET
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KEY PLAN



SPECIAL PILE CAP DETAILS

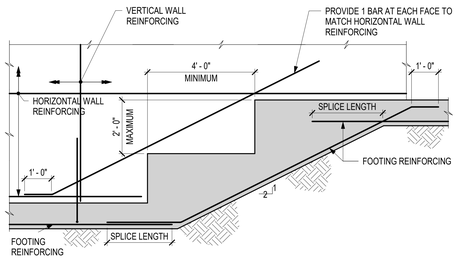
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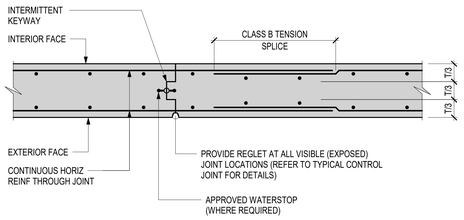
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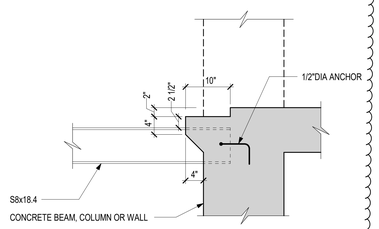
1 TYPICAL ELEVATION OF CONTINUOUS STEPPED WALL FOOTING



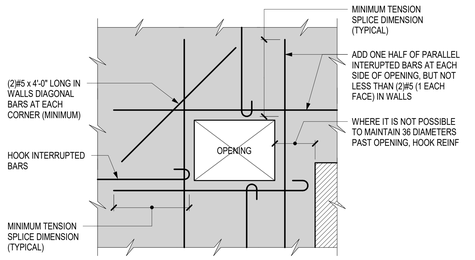
NOTES:

1. SPACE CONTROL JOINS AT 30 x THICKNESS OF THE WALL, 3 x HEIGHT OF THE WALL, OR 30FT. MAXIMUM, WHICHEVER IS LESS. COORDINATE SPACING WITH ARCHITECTURAL DRAWINGS.
2. DOUBLE-SIDED CONTROL JOINTS ARE PREFERRED AT WALLS WHERE BOTH SIDES OF WALL ARE EXPOSED TO VIEW. COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.
3. COORDINATE REGLET GEOMETRY WITH ARCHITECTURAL DRAWINGS. DEPTH AND REGLET BOTTOM WIDTH IN DETAILS ARE REQUIRED; CHAMFER(S) ARE OPTIONAL BASED ON ARCHITECTURAL REQUIREMENTS. CHAMFERS ARE RECOMMENDED WHEN REGLET FORMS ARE TO BE REMOVED.
4. CONTROL JOINTS MAY ALSO SERVE AS CONSTRUCTION JOINTS. COORDINATE WITH ARCHITECTURAL DRAWINGS.
5. WATERSTOP IS OPTIONAL. COORDINATE WITH GEOTECHNICAL ENGINEER.
6. ALL CONTROL AND CONSTRUCTION JOINTS ARE TO BE CLEARLY SHOWN ON SHOP DRAWINGS FOR REVIEW AND APPROVAL BY BOTH THE ARCHITECT AND ENGINEER OF RECORD.

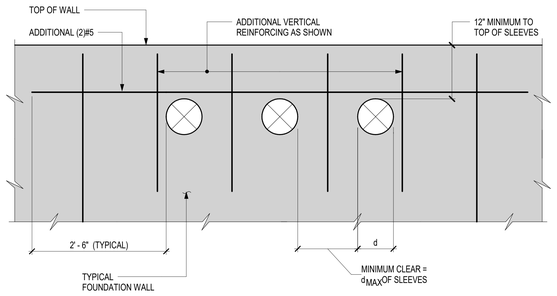
2 TYPICAL CONSTRUCTION JOINT DETAIL AT VERTICAL WALL



3 TYPICAL ELEVATOR SEPERATOR BM CONN



4 TYPICAL REINFORCING AT OPENINGS IN CONCRETE WALLS

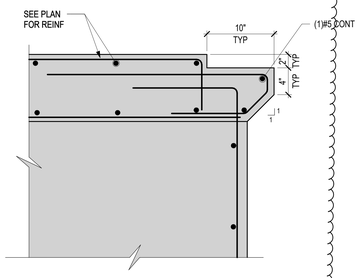


USE FOR 3 OR MORE SLEEVES

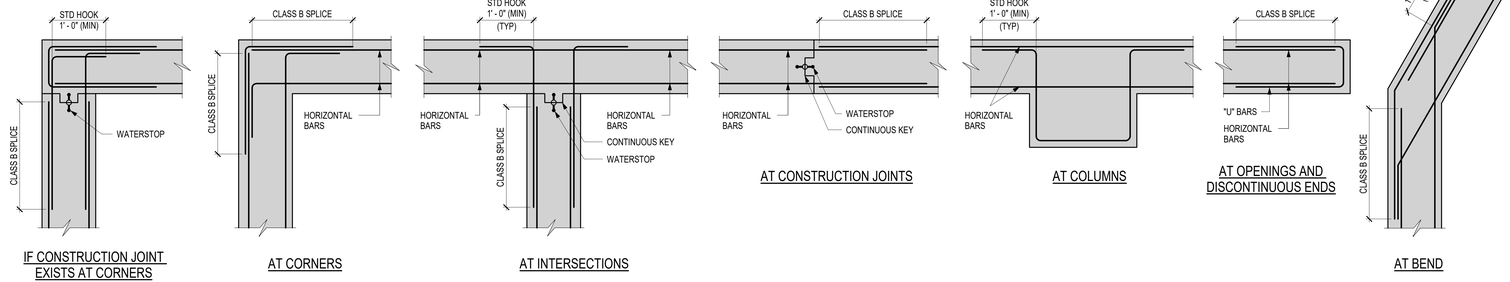
NOTE:

1.- ALL SLEEVES SHALL BE CLEARLY SHOWN ON SHOP DRAWINGS FOR APPROVAL.

5 TYPICAL MULTI-SLEEVE DETAIL AT FOUNDATION WALL



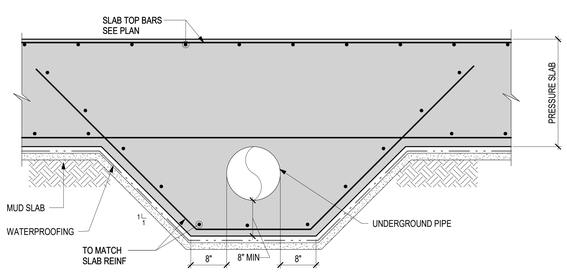
6 TYPICAL ELEVATOR SILL DETAIL @ PIT



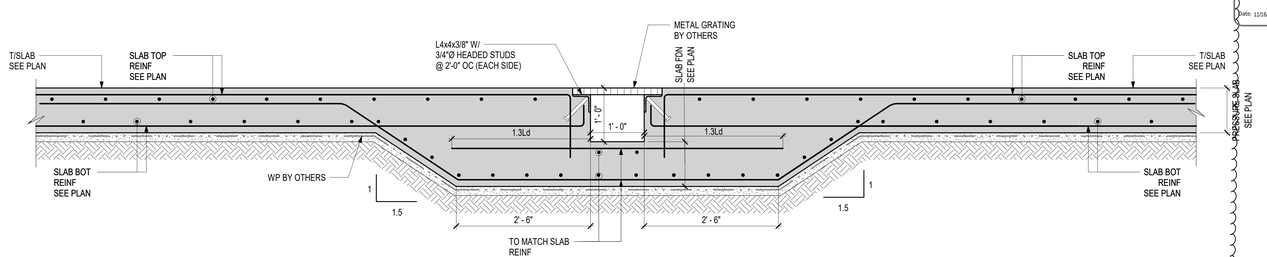
NOTE:

1.- VERTICAL REINF BARS ARE NOT SHOWN FOR CLARITY (TYP)

7 TYPICAL PLAN DETAIL OF HORIZONTAL WALL REINFORCING



8 TYPICAL UNDERGROUND UTILITY HAUNCH DETAIL



9 TYPICAL SECTION AT TRENCH



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WHITE PLAINS, NY 10604

FACADE MAINTENANCE
ENTEK ENGINEERING
166 AMES ST, HACKENSACK, NJ 07601

REV	DATE	DESCRIPTION
1	06/01/2021	ISSUE FOR FOUNDATION
2	06/11/2021	50% SCHEMATIC SUBMISSION
3	08/06/2021	ISSUED FOR 100% SD
4	12/10/2021	50% DESIGN DEVELOPMENT
5	02/25/2022	ISSUED FOR 100% DD
6	05/20/2022	ISSUED FOR 50% CD
7	07/18/2022	REVISED AS NOTED
8	08/05/2022	100% CD
	10/05/2022	DOB PAA #1

2021054.00

1 JAVA

18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN

APPROVED
Date: 11/16/2022

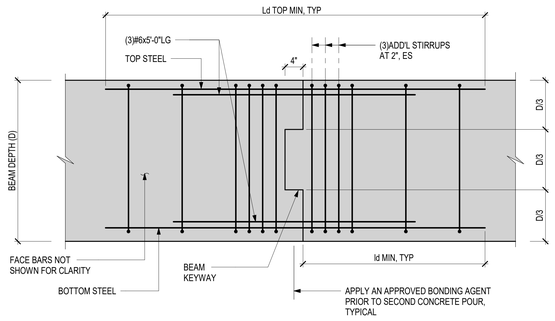
TYPICAL FOUNDATION DETAILS

SCALE: As indicated

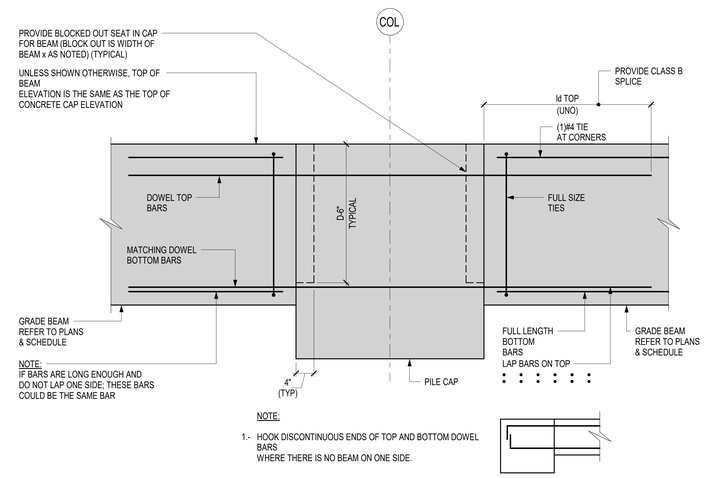
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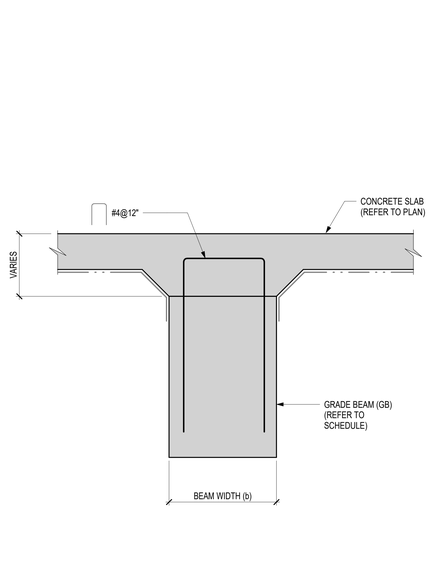
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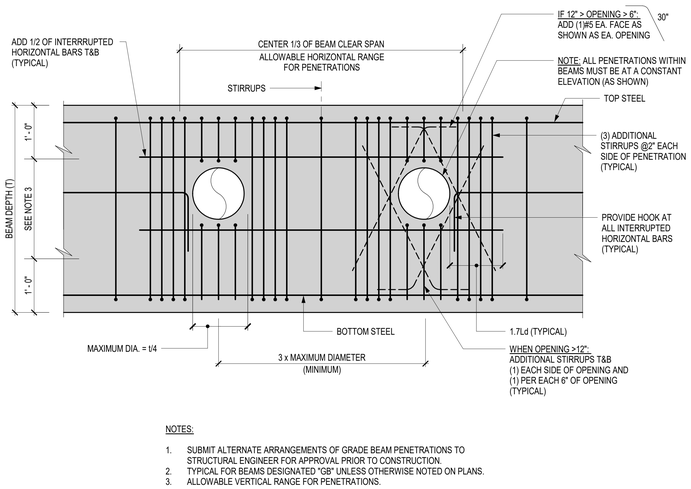
1 TYPICAL CONSTRUCTION JOINT DETAIL AT CONCRETE GRADE BEAMS



2 TYPICAL GRADE BEAM DETAIL AT PILE CAP



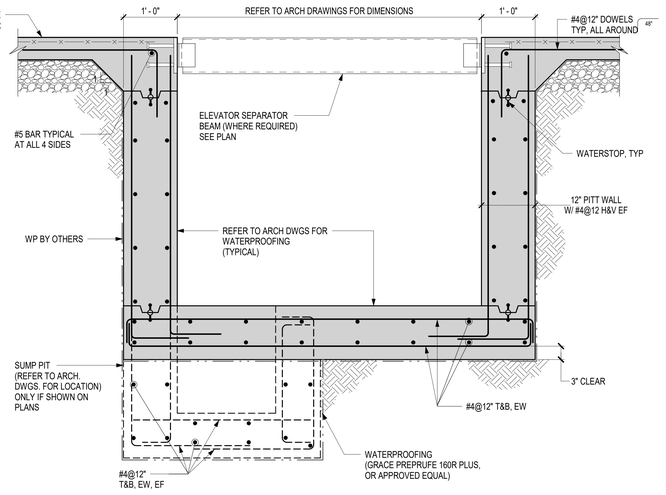
3 TYPICAL SLAB CONNECTION TO GRADE BEAM



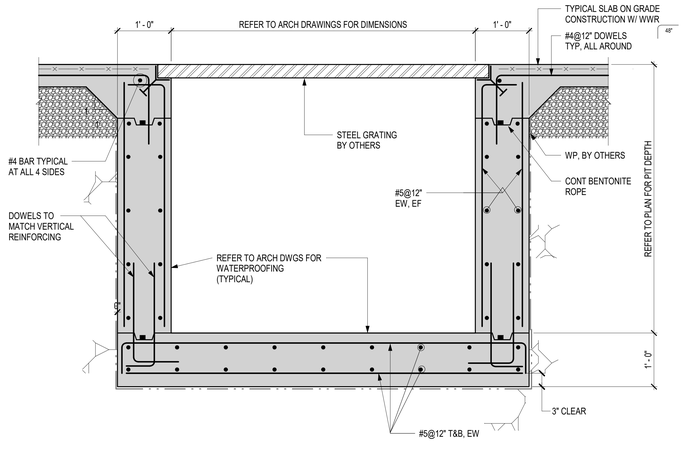
NOTES:

1. SUBMIT ALTERNATE ARRANGEMENTS OF GRADE BEAM PENETRATIONS TO STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
2. TYPICAL FOR BEAMS DESIGNATED "GB" UNLESS OTHERWISE NOTED ON PLANS.
3. ALLOWABLE VERTICAL RANGE FOR PENETRATIONS.

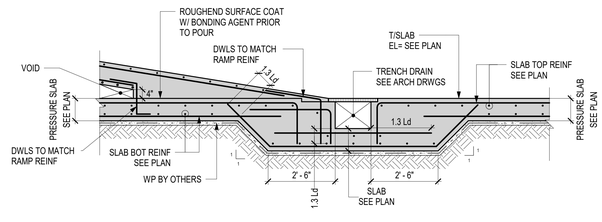
4 TYPICAL DETAIL AT GRADE BEAM PENETRATIONS



5 TYPICAL SECTION AT ELEVATOR PIT



6 TYPICAL SECTION AT SINGLE EJECTOR PIT



7 SECTION

MARVEL
145 HUDSON STREET, FLR.3 NEW YORK, NY 10013
212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

VERTICAL TRANSPORTATION
LERCH BATES
1430 BROADWAY, SUITE 908 NY, NY 10018

PARKING CONSULTANT
WALKER CONSULTANTS
49 W 38TH ST, 9TH FLOOR NY, NY 10018

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MCLAREN ENGINEERING GROUP
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MARVEL
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JAMES CORNER FIELD OPERATIONS
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158 W 29TH ST, 10TH FLOOR NY, NY 10001

ACCESSIBILITY
ACCESSIBILITY SERVICES
120-34 QUEENS BLVD, SUITE 320
KEW GARDENS, NY 11415

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2021054.00
1 JAVA

18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN

NYC Buildings
APPROVED
Date: 11/16/2022

TYPICAL FOUNDATION DETAILS

SCALE: As indicated

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MATERIAL PROPERTIES:

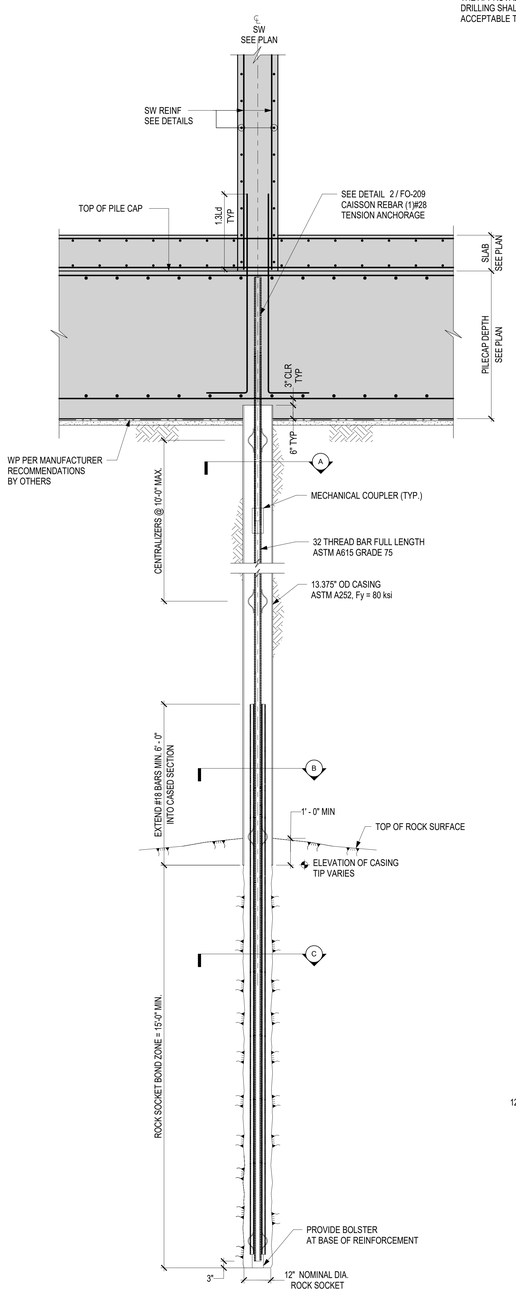
1. ALL STEEL CASING SHALL CONFORM WITH ASTM A252, EXCEPT THAT Fy = 80 KSI.
2. ALL THREADED BAR OR DEFORMED BAR REINFORCING SHALL CONFORM WITH ASTM A615, GR75, Fy = 75 KSI.
3. MINI-CAISSON GROUT SHALL BE A MIXTURE OF NEAT PORTLAND CEMENT (TYPE I, II, OR III) AND WATER WITH WATER TO CEMENT RATIO NOT EXCEEDING 0.45, AND SHALL HAVE A MINIMUM UNCONFINED COMPRESSIVE STRENGTH AT 28 DAYS OF Fc = 11 KSI.

MINI-CAISSON DESIGN NOTES:

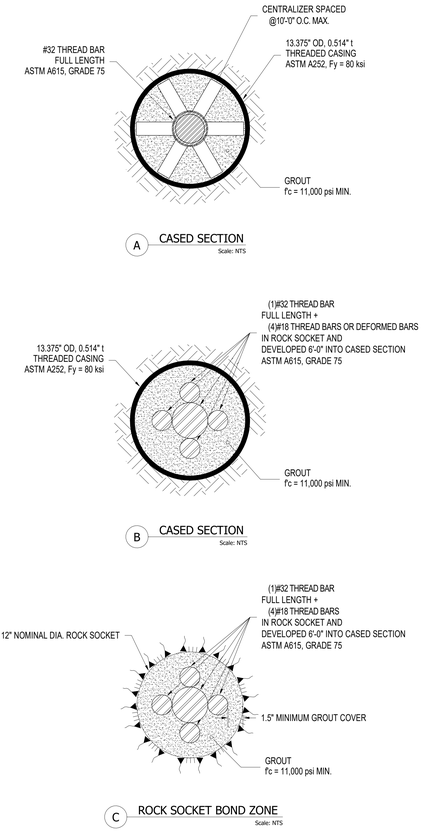
- COMPRESSION CAPACITY = 1,100 KIPS
- TENSION CAPACITY = 547 KIPS
- LATERAL CAPACITY = 6 KIPS
- ROCK SOCKET BOND ZONE LENGTH = 15'-0"

GENERAL NOTES:

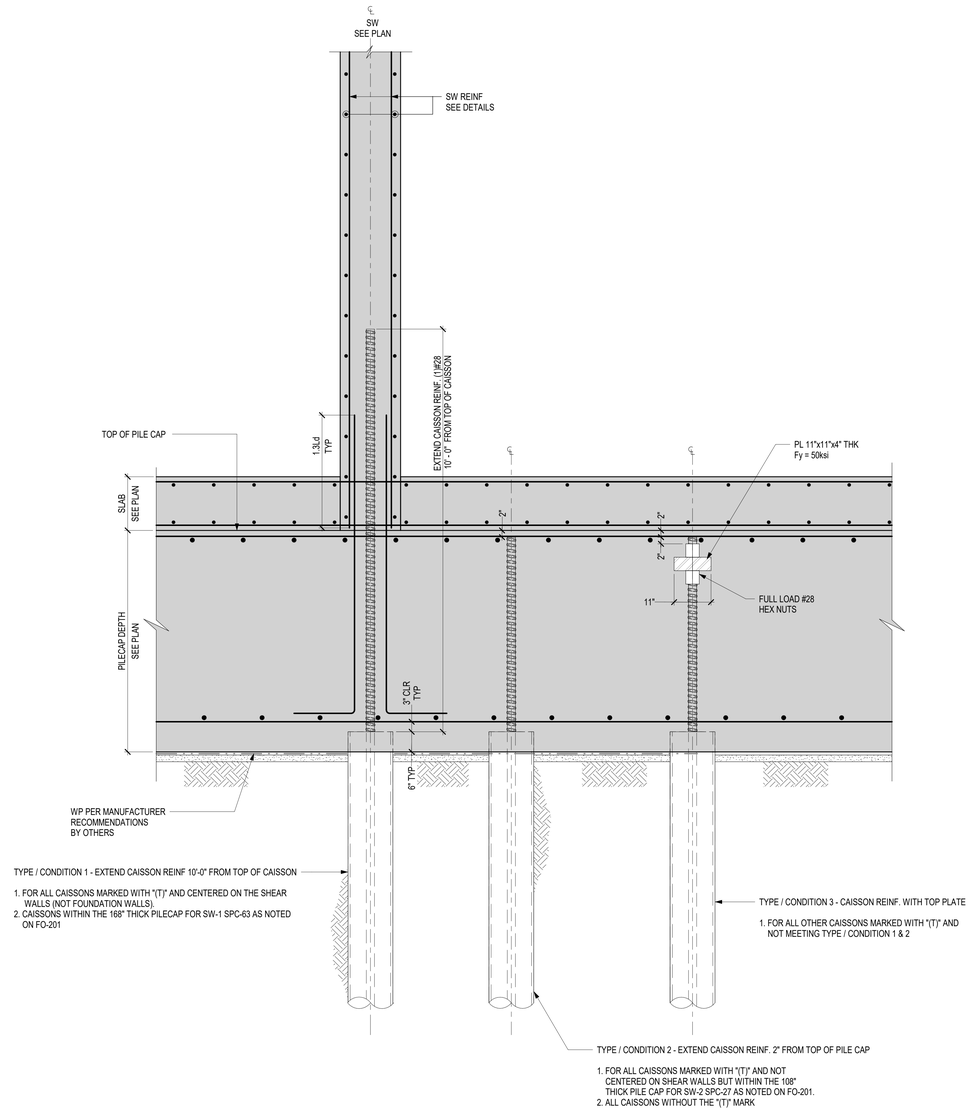
1. REFER TO SECTION 316326 OF THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS PERTAINING TO MINI-CAISSONS.
2. MINI-CAISSON INSTALLATION METHODS ARE SUBJECT TO APPROVAL BY THE OWNER'S ENGINEER. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING STRUCTURES AND UTILITIES PRIOR TO DRILLING.
3. MONITOR PERFORMANCE OF ADJACENT STRUCTURES DURING MINI-CAISSON INSTALLATION AS REQUIRED BY THE MONITORING PLAN AND SPECIFICATION 310901. NO WORK SHALL BE PERFORMED UNTIL MONITORING IS IN PLACE AND BASELINE READINGS ARE APPROVED BY THE OWNER'S ENGINEER.
4. ALL LOADS REFERENCED HEREIN ARE SERVICE LOADS IN KIPS.
5. MECHANICAL COUPLERS SHALL DEVELOP 125% OF THE ULTIMATE TENSILE STRENGTH OF THE BAR BEING SPLICED.
6. REINFORCING STEEL SHALL HAVE A MINIMUM COVER OF 2-INCHES WITHIN THE UNCASED PORTION OF THE ROCK SOCKET.
7. CARE MUST BE TAKEN NOT TO DAMAGE THE THREADED BARS AND ACCESSORIES. DO NOT WELD IN THE VICINITY OF THE HIGH-STRENGTH THREADED BARS. DO NOT USE THREADED BARS AS A GROUND FOR WELDING.
8. CENTRALIZERS SHALL BE PROVIDED AT A MAXIMUM SPACING OF 10 FEET CENTER TO CENTER.
9. REBAR SHALL BE ELEVATED 3 INCHES FROM THE BASE OF THE ROCK SOCKET USING APPROVED BOLSTERS.
10. ROCK SOCKET BOND ZONES HAVE BEEN PROPORTIONED ASSUMING AN ALLOWABLE SIDE SHEAR OF 200 PSI FOR COMPRESSION AND 100 PSI FOR TENSION.
11. ALL ROCK CONDITIONS SHALL BE VERIFIED BY DOWN-HOLE VIDEO INSPECTION, UNLESS OTHERWISE APPROVED BY THE OWNER'S ENGINEER. ROCK SHALL MEET THE MINIMUM REQUIREMENTS OF NYC BUILDING CODE CLASS 1C FOR SIDEWALLS.
12. METHODS FOR EXCAVATION OR DRILLING TO CLEAR OBSTRUCTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S ENGINEER. ALL SOILS DISTURBED BY EXCAVATION OR DRILLING SHALL BE PROPERLY COMPACTED, OR IMPROVED BY GROUTING OR OTHER MEANS ACCEPTABLE TO THE OWNER'S ENGINEER TO PREVENT REDUCTION OF LATERAL RESISTANCE.



MINI-CAISSON ELEVATION



1 CAISSON DETAILS



2 TYPICAL CAISSON TENSION DETAIL



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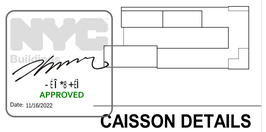
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18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN



NYC Buildings
APPROVED
Date: 11/16/2022

CAISSON DETAILS

SCALE: As indicated

STATE OF NEW YORK · JASMIN E. SELLA · 092779 · LICENSED PROFESSIONAL ENGINEER

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COMPRESSION DEVELOPMENT LENGTH AND COMPRESSION LAP SPLICE LENGTH (inches)

(UNLESS NOTED OTHERWISE)

f'c = 4000 PSI, NORMAL WEIGHT CONCRETE

BAR SIZE	LENGTH TYPE	REINFORCING GRADE (Fy)	
		Fy=60 ksi	Fy=75 ksi
#3	COMPRESSION DEVELOPMENT	12	12
	COMPRESSION LAP SPLICE	12	17
#4	COMPRESSION DEVELOPMENT	12	12
	COMPRESSION LAP SPLICE	15	22
#5	COMPRESSION DEVELOPMENT	12	15
	COMPRESSION LAP SPLICE	19	28
#6	COMPRESSION DEVELOPMENT	14	18
	COMPRESSION LAP SPLICE	23	33
#7	COMPRESSION DEVELOPMENT	17	21
	COMPRESSION LAP SPLICE	27	39
#8	COMPRESSION DEVELOPMENT	19	24
	COMPRESSION LAP SPLICE	30	44
#9	COMPRESSION DEVELOPMENT	21	27
	COMPRESSION LAP SPLICE	34	50
#10	COMPRESSION DEVELOPMENT	24	30
	COMPRESSION LAP SPLICE	38	56
#11	COMPRESSION DEVELOPMENT	27	33
	COMPRESSION LAP SPLICE	42	62

COMPRESSION DEVELOPMENT LENGTH AND COMPRESSION LAP SPLICE LENGTH (inches)

(UNLESS NOTED OTHERWISE)

f'c = 5000 PSI OR GREATER, NORMAL WEIGHT CONCRETE

BAR SIZE	LENGTH TYPE	REINFORCING GRADE (Fy)	
		Fy=60 ksi	Fy=75 ksi
#3	COMPRESSION DEVELOPMENT	12	12
	COMPRESSION LAP SPLICE	12	17
#4	COMPRESSION DEVELOPMENT	12	12
	COMPRESSION LAP SPLICE	15	22
#5	COMPRESSION DEVELOPMENT	12	13
	COMPRESSION LAP SPLICE	19	28
#6	COMPRESSION DEVELOPMENT	13	16
	COMPRESSION LAP SPLICE	23	33
#7	COMPRESSION DEVELOPMENT	15	19
	COMPRESSION LAP SPLICE	27	39
#8	COMPRESSION DEVELOPMENT	17	21
	COMPRESSION LAP SPLICE	30	44
#9	COMPRESSION DEVELOPMENT	19	24
	COMPRESSION LAP SPLICE	34	50
#10	COMPRESSION DEVELOPMENT	22	27
	COMPRESSION LAP SPLICE	38	56
#11	COMPRESSION DEVELOPMENT	24	30
	COMPRESSION LAP SPLICE	42	62

NOTES:

1. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
2. CLEAR BAR SPACING = CENTER TO CENTER SPACING - BAR DIAMETER.
3. AVOID SPLICES IN REGIONS OF MAXIMUM MOMENT. IF THIS IS NOT POSSIBLE, STAGGER SPLICES SO THAT SPLICES DO NOT REQUIRE MORE THAN 50% OF THE BARS ARE SPLICED WITHIN Ld REQUIRED SPLICE LENGTH OTHERWISE INCREASE SPLICE LENGTH BY 30%.
4. FOR GRADE 75, REINFORCING BARS SPLICE LENGTHS SHOWN ABOVE SHALL BE INCREASED BY Ld FACTOR = 1.25.

TENSION DEVELOPMENT LENGTH (Ld) AND TENSION LAP SPLICE LENGTH (Lap Class B OR 1.3Ld) FOR GRADE 60 DEFORMED REINFORCING BARS (inches)

(UNLESS NOTED OTHERWISE)

f'c = 4000 PSI, NORMAL WEIGHT CONCRETE

BAR SIZE	LENGTH TYPE	CONCRETE COVER ≥ 0.75 in				CONCRETE COVER ≥ 1.0 in				CONCRETE COVER ≥ 1.25 in				CONCRETE COVER ≥ 1.50 in				CONCRETE COVER ≥ 2.00 in				CONCRETE COVER ≥ 3.00 in			
		CLEAR BAR SPACING ² ≥ 1.50 in				CLEAR BAR SPACING ² ≥ 2.0 in				CLEAR BAR SPACING ² ≥ 2.50 in				CLEAR BAR SPACING ² ≥ 3.0 in				CLEAR BAR SPACING ² ≥ 4.0 in				CLEAR BAR SPACING ² ≥ 6.0 in			
		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED	
		TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER
#3	Ld	12	12	15	13	12	12	15	13	12	12	14	12	12	12	14	12	12	12	14	12	12	12	14	12
	B	15	12	19	17	15	12	19	17	15	12	18	14	15	12	18	14	15	12	18	14	15	12	18	14
#4	Ld	19	15	25	22	15	12	20	18	15	12	20	18	15	12	18	14	15	12	18	14	15	12	18	14
	B	25	19	32	28	20	15	26	23	20	15	26	23	20	15	24	18	20	15	24	18	20	15	24	18
#5	Ld	28	21	36	32	23	17	29	26	19	15	25	22	19	15	25	22	19	15	23	18	19	15	23	18
	B	36	28	47	41	29	23	38	34	25	19	32	28	25	19	32	28	25	19	29	23	25	19	29	23
#6	Ld	37	29	49	43	31	24	40	35	26	20	34	30	23	18	30	26	23	18	30	26	23	18	27	21
	B	49	37	63	56	40	31	52	46	34	26	44	39	29	23	38	34	29	23	38	34	29	23	35	27
#7	Ld	60	46	78	69	50	38	65	57	42	33	55	49	37	29	48	43	33	25	43	38	33	25	39	30
	B	78	60	102	90	65	50	84	74	55	42	72	63	48	37	63	55	43	33	56	49	43	33	51	39
#8	Ld	74	57	97	86	62	48	81	72	53	41	70	61	47	36	61	54	37	29	49	43	37	29	45	35
	B	97	74	126	111	81	62	105	93	69	53	90	80	61	47	79	70	49	37	63	56	49	37	58	45
#9	Ld	90	69	118	104	76	58	99	87	65	50	85	75	58	44	75	66	46	36	61	53	42	33	55	49
	B	117	90	153	135	98	76	128	113	85	65	111	98	75	58	97	86	60	46	79	69	55	42	71	63
#10	Ld	108	83	141	125	92	71	120	106	80	61	104	92	70	54	92	81	57	44	75	66	47	37	62	55
	B	141	108	184	162	119	92	156	137	103	80	135	119	91	70	119	105	74	57	97	85	62	47	80	71
#11	Ld	127	98	166	146	108	83	142	125	95	73	124	109	84	65	110	97	68	53	89	79	53	41	69	61
	B	165	127	215	190	141	108	184	162	123	95	160	142	109	84	142	126	89	68	116	102	68	53	89	79

TENSION DEVELOPMENT LENGTH (Ld) AND TENSION LAP SPLICE LENGTH (Lap Class B OR 1.3Ld) FOR GRADE 60 DEFORMED REINFORCING BARS (inches)

(UNLESS NOTED OTHERWISE)

f'c = 5000 PSI, NORMAL WEIGHT CONCRETE

BAR SIZE	LENGTH TYPE	CONCRETE COVER ≥ 0.75 in				CONCRETE COVER ≥ 1.0 in				CONCRETE COVER ≥ 1.25 in				CONCRETE COVER ≥ 1.50 in				CONCRETE COVER ≥ 2.00 in				CONCRETE COVER ≥ 3.00 in			
		CLEAR BAR SPACING ² ≥ 1.50 in				CLEAR BAR SPACING ² ≥ 2.0 in				CLEAR BAR SPACING ² ≥ 2.50 in				CLEAR BAR SPACING ² ≥ 3.0 in				CLEAR BAR SPACING ² ≥ 4.0 in				CLEAR BAR SPACING ² ≥ 6.0 in			
		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED	
		TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER
#3	Ld	12	12	13	12	12	12	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	B	13	12	17	15	13	12	17	15	13	12	16	12	13	12	16	12	13	12	16	12	13	12	16	12
#4	Ld	17	13	22	20	14	12	18	16	14	12	18	16	14	12	16	13	14	12	16	13	14	12	16	13
	B	22	17	29	25	18	14	23	20	18	14	23	20	18	14	21	16	18	14	21	16	18	14	21	16
#5	Ld	25	19	32	29	20	16	26	23	17	13	22	20	17	13	22	20	17	13	20	16	17	13	20	16
	B	32	25	42	37	26	20	34	30	22	17	29	25	22	17	29	25	22	17	26	20	22	17	26	20
#6	Ld	34	26	44	39	28	21	36	32	23	18	30	27	20	16	26	23	20	16	26	23	20	16	24	19
	B	44	34	57	50	36	28	47	41	30	23	39	35	26	20	34	30	26	20	34	30	26	20	31	24
#7	Ld	54	42	70	62	45	34	58	51	38	29	50	44	33	26	43	38	29	23	38	34	29	23	35	27
	B	70	54	91	81	58	45	75	67	49	38	64	57	43	33	56	50	38	29	50	44	38	29	46	35
#8	Ld	67	51	87	77	56	43	73	64	48	37	62	55	42	32	55	48	34	26	44	39	34	26	40	31
	B	87	67	113	100	72	56	94	83	62	48	81	71	54	42	71	63	44	34	57	50	44	34	52	40
#9	Ld	81	62	105	93	68	52	89	78	59	45	76	67	52	40	67	59	42	32	54	48	38	29	49	44
	B	105	81	137	121	88	68	115	101	76	59	99	88	67	52	87	77	54	42	70	62	49	38	64	56
#10	Ld	97	75	126	112	82	63	107	95	71	55	93	82	63	49	82	73	51	39	67	59	43	33	55	49
	B	126	97	164	145	107	82	139	123	93	71	121	107	82	63	107	94	66	51	87	76	55	43	72	64
#11	Ld	114	87	148	131	97	75	127	112	85	65	111	98	75	58	98	87	61	47	80	71	47	36	62	54
	B	147	114	193	170	126	97	164	145	110	85	144	127	97	75	127	112	80	61	104	92	61	47	80	70

TENSION DEVELOPMENT LENGTH (Ld) AND TENSION LAP SPLICE LENGTH (Lap Class B OR 1.3Ld) FOR GRADE 60 DEFORMED REINFORCING BARS (inches)

(UNLESS NOTED OTHERWISE)

f'c = 6000 PSI, NORMAL WEIGHT CONCRETE

BAR SIZE	LENGTH TYPE	CONCRETE COVER ≥ 0.75 in				CONCRETE COVER ≥ 1.0 in				CONCRETE COVER ≥ 1.25 in				CONCRETE COVER ≥ 1.50 in				CONCRETE COVER ≥ 2.00 in				CONCRETE COVER ≥ 3.00 in			
		CLEAR BAR SPACING ² ≥ 1.50 in				CLEAR BAR SPACING ² ≥ 2.0 in				CLEAR BAR SPACING ² ≥ 2.50 in				CLEAR BAR SPACING ² ≥ 3.0 in				CLEAR BAR SPACING ² ≥ 4.0 in				CLEAR BAR SPACING ² ≥ 6.0 in			
		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED	
		TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER
#3	Ld	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	B	12	12	16	14	12	12	16	14	12	12	15	12	12	12	15	12	12	12	15	12	12	12	15	12
#4	Ld	16	12	20	18	13	12	16	14	13	12	16	14	13	12	15	12	13	12	15	12	13	12	15	12
	B	20	16	26	23	16	13	21	19	16	13	21	19	16	13	19	15	16	13	19	15	16	13	19	15
#5	Ld	23	18	30	26	18	14	24	21	16	12	20	18	16	12	20	18	16	12	19	14	16	12	19	14
	B	29	23	38	34	24	18	31	27	20	16	26	23	20	16	26	23	20	16	24	19	20	16	24	19
#6	Ld	31	24	40	35	25	20	33	29	21	17	28	25	19	14	24	21	19	14	24	21	19	14	22	17
	B	40	31	52	46	33	25	43	38	28	21	36	32	24	19	31	28	24	19	31	28	24	19	29	22
#7	Ld	49	38	64	57	41	31	53	47	35	27	45	40	30	23	40	35	27	21	35	31	27	21	32	25
	B	64	49	83	74	53	41	69	61	45	35	59	52	39	30	51	45	35	27	45	40	35	27	42	32
#8	Ld	61	47	80	70	51	39	66	59	44	34	57	50	38	30	50	44	31	24	40	35	31	24	37	28
	B	79	61	103	91	66	51	86	76	57	44	74	65	50	38	65	57	40	31	52	46	40	31	48	37
#9	Ld	74	57	96	85	62	48	81	71	53	41	70	62	47	36	61	54	38	29	50	44	35	27	45	40
	B	96	74	125	110	80	62	105	93	69	53	91	80	61	47	80	70	49	38	64	57	45	35	58	52
#10	Ld	88	68	116	102	75	58	98	86	65	50	85	75	58	44	75	66	47	36	61	54	39	30	51	45
	B	115	88	150	132	97	75	127	112	85	65	110	97	75	58	97	86	61	47	79	70	50	39	66	58
#11	Ld	104	80	135	120	89	68	116	102	77	60	101	89	69	53	90	79	56	43	73	65	43	33	56	50
	B	135	104	176	155	115	89	150	133	100	77	131	116	89	69	116	103	73	56	95	84	56	43	73	64

TENSION DEVELOPMENT LENGTH (Ld) AND TENSION LAP SPLICE LENGTH (Lap Class B OR 1.3Ld) FOR GRADE 60 DEFORMED REINFORCING BARS (inches)

(UNLESS NOTED OTHERWISE)

f'c = 7000 PSI, NORMAL WEIGHT CONCRETE

BAR SIZE	LENGTH TYPE	CONCRETE COVER ≥ 0.75 in				CONCRETE COVER ≥ 1.0 in				CONCRETE COVER ≥ 1.25 in				CONCRETE COVER ≥ 1.50 in				CONCRETE COVER ≥ 2.00 in				CONCRETE COVER ≥ 3.00 in			
		CLEAR BAR SPACING ² ≥ 1.50 in				CLEAR BAR SPACING ² ≥ 2.0 in				CLEAR BAR SPACING ² ≥ 2.50 in				CLEAR BAR SPACING ² ≥ 3.0 in				CLEAR BAR SPACING ² ≥ 4.0 in				CLEAR BAR SPACING ² ≥ 6.0 in			
		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED	
		TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER
#3	Ld	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	B	12	12	14	12	12	12	14	12	12	12	13	12	12	12	13	12	12	12	13	12	12	12	13	12
#4	Ld	14	12	18	16	12	12	14	13	12	12	14	13	12	12	14	13	12	12	13	12	12	12	13	12
	B	18	14	23	20	14	12	18	16	14	12	18	16	14	12	18	16	14	12	18	16	14	12	17	13
#5	Ld	20	15	26	23	16	12	21	18	14	12	18	16	14	12	18	16	14	12	18	16	14	12	16	13
	B	26	20	33	29	21	16	27	24	18	14	23	20	18	14	23	20	18	14	23	20	18	14	21	16
#6	Ld	27	21	35	31	22	17	28	25	19	14	24	21	16	13	21	19	16	13	21	19	16	13	19	15
	B	35	27	45	40	28	22	37	33	24	19	31	28	21	16	27	24	21	16	27	24	21	16	25	19
#7	Ld	43	33	56	49	35	27	46	41	30	23	39	35	26	20	34	30	26	20	34	30	26	20	31	24
	B	55	43	72	64	46	35	60	53	39	30	51	45	34	26	44	39	30	23	39	35	30	23	36	28
#8	Ld	53	41	69	61	44	34	58	51	38	29	49	44	33	26	43	38	29	23	35	31	27	21	32	25
	B	69	53	89	79	57	44	75	66	49	38	64	57	43	33	56	50	35	27	45	40	35	27	41	32
#9	Ld	64	49	83	74	54	41	70	62	46	36	60	53	41	31	53	47	33	25	42	37	33	25	39	30
	B	84	64	108	96	70	54	91	80	60	46	78	69	53	41	69	61	43	33	56	49	39	30	51	45
#10	Ld	77	59	100	88	65	50	85	75	56	44	74	65	50	39	65	58	41	31	53	47	34	26	44	39
	B	100	77	130	115	84	65	110	97	73	56	96	84	65	50	84	75	53	41	69	61	44	34	57	50
#11	Ld	90	69	117	104	77	59	100	88	67	52	87	77	59	46	78	69	49	37	63	56	37	29	49	43
	B	117	90	152	135	100	77	130	115	87	67	127	114	87	65	114	100	77	59	101	89	63	49	82	73

TENSION DEVELOPMENT LENGTH (Ld) AND TENSION LAP SPLICE LENGTH (Lap Class B OR 1.3Ld) FOR GRADE 60 DEFORMED REINFORCING BARS (inches)

(UNLESS NOTED OTHERWISE)

f'c = 8000 PSI, NORMAL WEIGHT CONCRETE

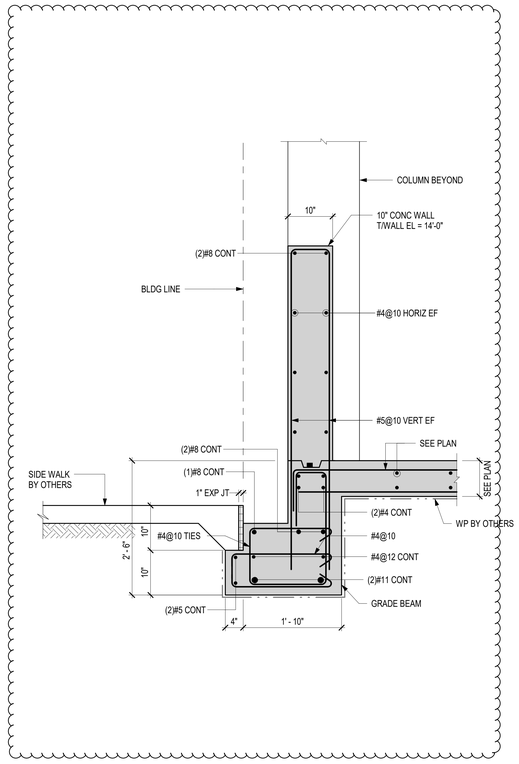
BAR SIZE	LENGTH TYPE	CONCRETE COVER ≥ 0.75 in				CONCRETE COVER ≥ 1.0 in				CONCRETE COVER ≥ 1.25 in				CONCRETE COVER ≥ 1.50 in				CONCRETE COVER ≥ 2.00 in				CONCRETE COVER ≥ 3.00 in			
		CLEAR BAR SPACING ² ≥ 1.50 in				CLEAR BAR SPACING ² ≥ 2.0 in				CLEAR BAR SPACING ² ≥ 2.50 in				CLEAR BAR SPACING ² ≥ 3.0 in				CLEAR BAR SPACING ² ≥ 4.0 in				CLEAR BAR SPACING ² ≥ 6.0 in			
		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED	
		TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER
#3	Ld	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	B	12	12	14	12	12	12	14	12	12	12	13	12	12	12	13	12	12	12	13	12	12	12	13	12
#4	Ld	14	12	18	16	12	12	14	13	12	12	14	13	12	12	14	13	12	12	13	12	12	12	13	12
	B	18	14	23	20	14	12	18	16	14	12	18	16	14	12	18	16	14	12	18	16	14	12	17	13
#5	Ld	20	15	26	23	16	12	21	18	14	12	18	16	14	12	18	16	14	12	18	16	14	12	16	13
	B	26	20	33	29	21	16	27	24	18	14	23	20	18	14	23	20	18	14	23	20	18	14	21	16
#6	Ld	27	21	35	31	22	17	28	25	19	14	24	21	16	13	21	19	16	13	21	19	16	13	19	15
	B	35	27	45	40	28	22	37	33	24	19	31	28	21	16	27	24	21	16	27	24	21	16	25	19
#7	Ld	43	33	56	49	35	27	46	41	30	23	39	35	26	20	34	30	26	20	34	30	26	20	31	24
	B	55	43	72	64	46	35	60	53	39	30	51	45	34	26	44	39	30	23	39	35	30	23	36	28
#8	Ld	53	41	69	61	44	34	58	51	38	29	49	44	33	26	43	38	29	23	35	31	27	21	32	25
	B	69	53	89	79	57	44	75	66	49	38	64	57	43	33	56	50	35	27	45	40	35	27	41	32
#9	Ld	64	49	83	74	54	41	70	62	46	36	60	53	41	31	53	47	33	25	42	37	33	25	39	30
	B	84	64	108	96	70	54	91	80	60	46	78	69	53	41	69	61	43	33	56	49	39	30	51	45
#10	Ld	77	59	100	88	65	50	85	75	56	44	74	65	50	39	65	58	41	31	53	47	34	26	44	39
	B	100	77	130	115	84	65	110	97	73	56	96	84	65	50	84	75	53	41	69	61	44	34	57	50
#11	Ld	90	69	117	104	77	59	100	88	67	52	87	77	59	46	78	69	49	37	63	56	37	29	49	43
	B	117	90	152	135	100	77	130	115	87	67	127	114	87	65	114	100	77	59	101	89	63	49	82	73

TENSION DEVELOPMENT LENGTH (Ld) AND TENSION LAP SPLICE LENGTH (Lap Class B OR 1.3Ld) FOR GRADE 60 DEFORMED REINFORCING BARS (inches)

(UNLESS NOTED OTHERWISE)

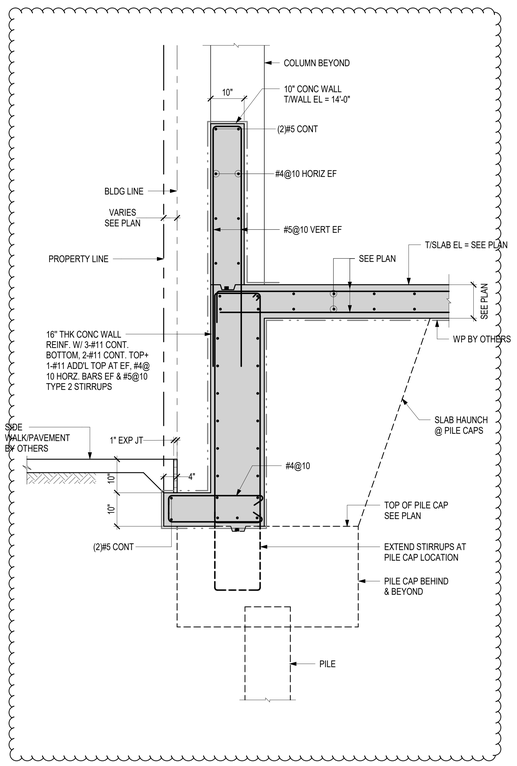
f'c = 9,000 PSI, NORMAL WEIGHT CONCRETE

BAR SIZE	LENGTH TYPE	CONCRETE COVER ≥ 0.75 in				CONCRETE COVER ≥ 1.0 in				CONCRETE COVER ≥ 1.25 in				CONCRETE COVER ≥ 1.50 in				CONCRETE COVER ≥ 2.00 in				CONCRETE COVER ≥ 3.00 in			
		CLEAR BAR SPACING ² ≥ 1.50 in				CLEAR BAR SPACING ² ≥ 2.0 in				CLEAR BAR SPACING ² ≥ 2.50 in				CLEAR BAR SPACING ² ≥ 3.0 in				CLEAR BAR SPACING ² ≥ 4.0 in				CLEAR BAR SPACING ² ≥ 6.0 in			
		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED		UNCOATED		EPOXY-COATED	
		TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER	TOP ¹	OTHER
#3	Ld	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	B	12	12	13	12	12	12	12	12	12	12	12



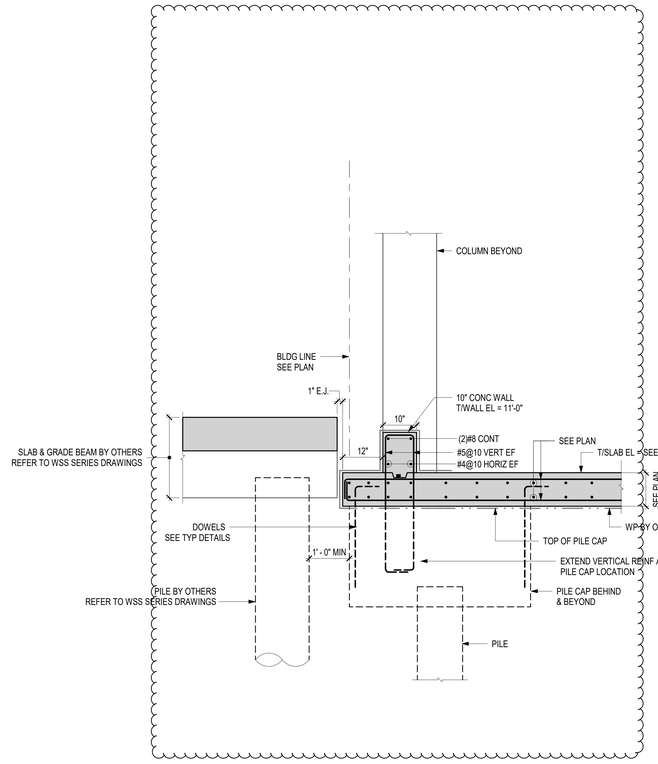
1 SECTION

SCALE: 1" = 1'-0"



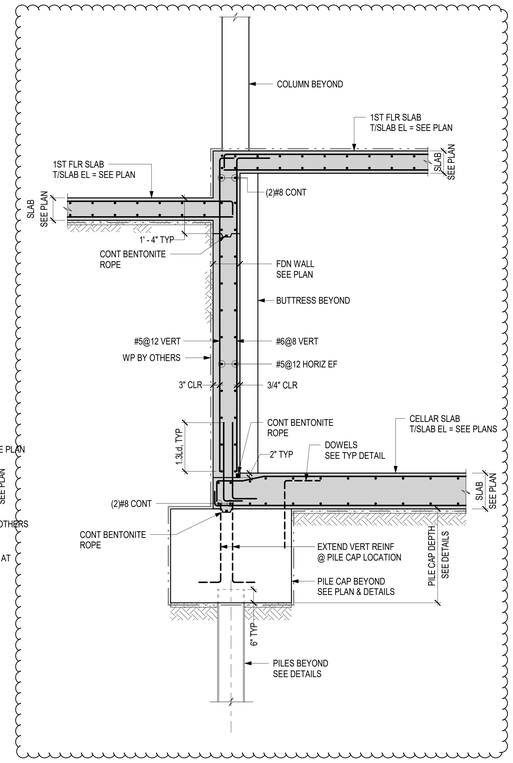
2 SECTION

SCALE: 3/4" = 1'-0"



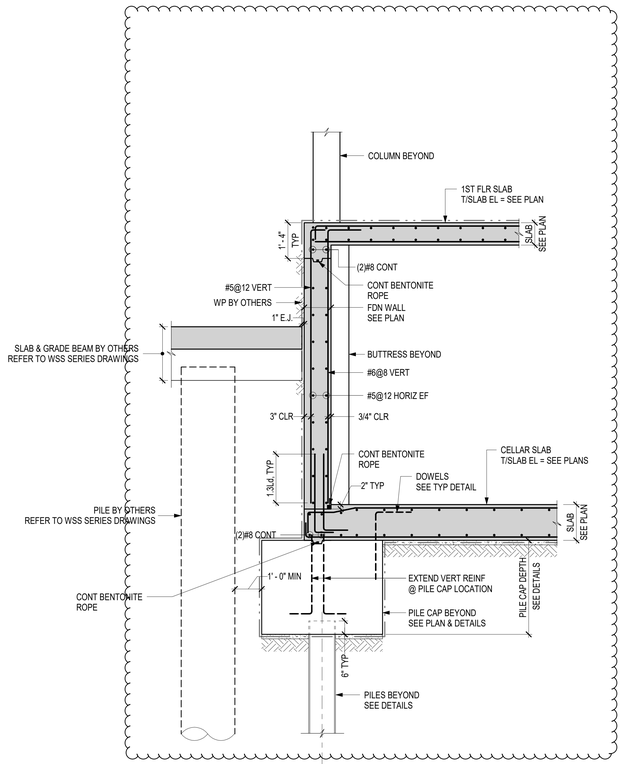
2A SECTION

SCALE: 3/4" = 1'-0"



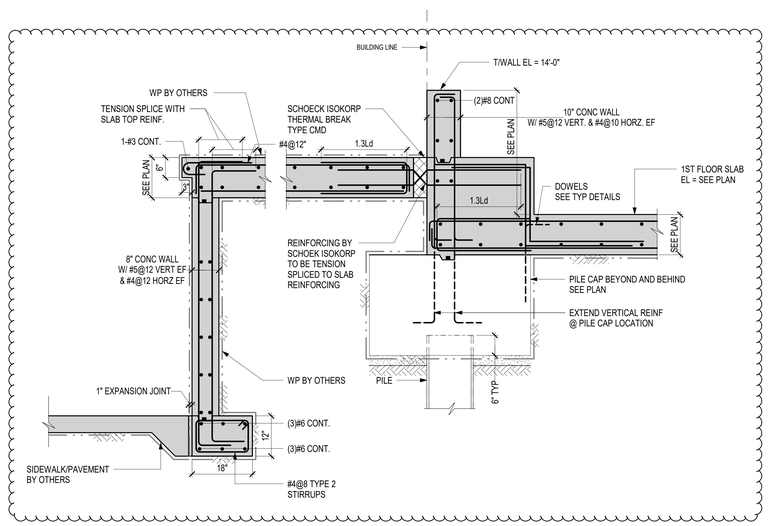
3 SECTION

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



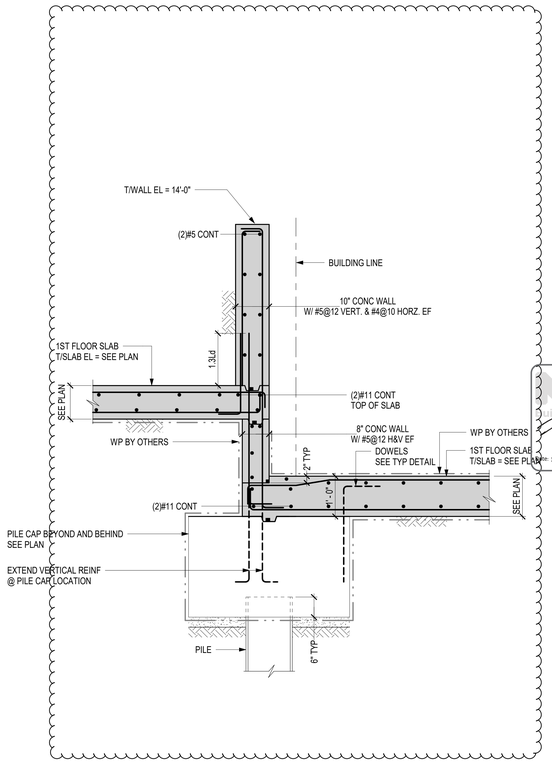
4 SECTION

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



5 SECTION

SCALE: 3/4" = 1'-0"



6 SECTION

SCALE: 3/4" = 1'-0"



MARVEL

145 HUDSON STREET, FLR.3 NEW YORK, NY 10013
212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

VERTICAL TRANSPORTATION
LERCH BATES
1430 BROADWAY, SUITE 908 NY, NY 10018

PARKING CONSULTANT
WALKER CONSULTANTS
49 W 38TH ST, 9TH FLOOR NY, NY 10018

SUSTAINABILITY CONSULTANT
STEVEN WINTER ASSOCIATES, INC
307 7TH AVE, SUITE 1701 NY, NY 1001

ENVELOPE CONSULTANT
SOCOTEC, INC
151 W 42ND ST, NY, NY 10036

GEOTECHNICAL/CIVIL ENGINEER
LANGAN
360 W 31ST ST, 8TH FLOOR NY, NY 10001

MARINE ENGINEER
MCLAREN ENGINEERING GROUP
131 W 35TH ST, 4TH FLOOR NY, NY 10001

LANDSCAPE DESIGNER
MARVEL
145 HUDSON ST, 3RD FLOOR NY, NY 10013

LANDSCAPE ARCHITECT (WATERFRONT)
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR NY, NY 10018

LIGHTING DESIGNER
ONELUX
158 W 29TH ST, 10TH FLOOR NY, NY 10001

ACCESSIBILITY
ACCESSIBILITY SERVICES
120-34 QUEENS BLVD, SUITE 320
KEW GARDENS, NY 11415

ACOUSTICS
LONGMAN-LINDSAY
200 W 41ST, SUITE 1100, NY, NY 10036

EXPEDITOR
JAM CONSULTANTS INC.
104 W 29TH ST, 9TH FLOOR NY, NY 10001

INTERIORS
INC ARCHITECTURE & DESIGN
150 VARICK ST, 5T FLOOR, NY, NY 10013

POOL CONSULTANT
AQUATECTONIC/LOTHROP ASSOCIATES, LLP
333 WESTCHESTER AVE,
WHITE PLAINS, NY 10604

FACADE MAINTENANCE
ENTEK ENGINEERING
166 AMES ST, HACKENSACK, NJ 07601

REV	DATE	DESCRIPTION
1	06/01/2021	ISSUE FOR FOUNDATION
2	06/11/2021	50% SCHEMATIC SUBMISSION
3	08/06/2021	ISSUED FOR 100% SD
4	12/10/2021	50% DESIGN DEVELOPMENT
5	02/25/2022	ISSUED FOR 100% DD
6	05/20/2022	ISSUED FOR 50% CD
7	07/18/2022	REVISED AS NOTED
8	08/05/2022	100% CD
	10/05/2022	DOB PAA #1

2021054.00

1 JAVA

18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN

APPROVED
DOB: 11/16/2022

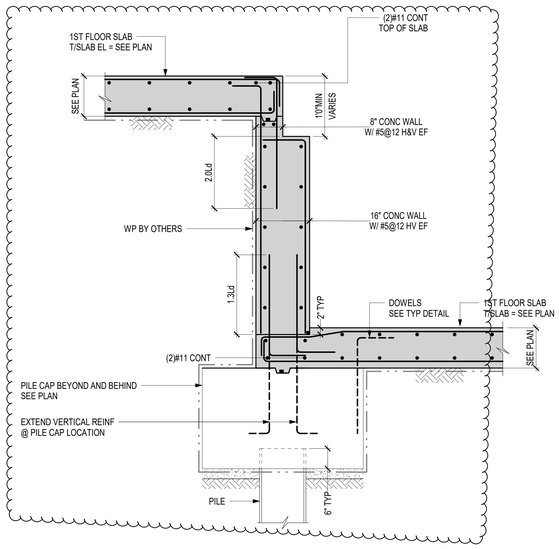
FOUNDATION SECTIONS

SCALE: As indicated

DRAWING #:
FO-300.01
___ of ___

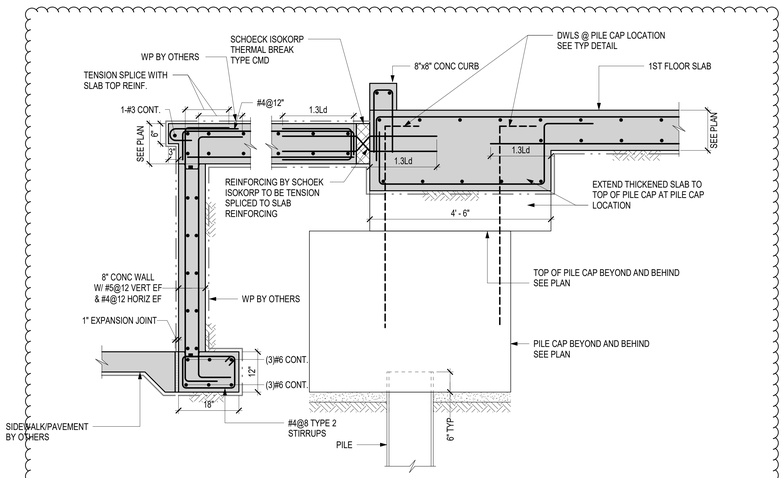
DOB JOB:
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10/4/2022 6:09:21 PM © MARVEL ARCHITECTS, PLLC 2016



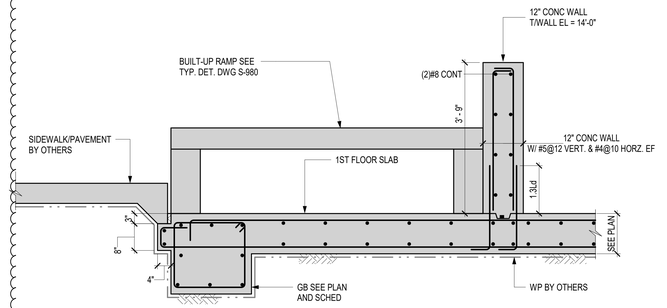
6A SECTION

SCALE: 3/4" = 1'-0"



7 SECTION

SCALE: 3/4" = 1'-0"



8 SECTION

SCALE: 3/4" = 1'-0"



MARVEL

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LIGHTING DESIGNER
ONELUX
158 W 29TH ST, 10TH FLOOR NY, NY 10001

ACCESSIBILITY
ACCESSIBILITY SERVICES
120-34 QUEENS BLVD, SUITE 320
KEW GARDENS, NY 11415

ACOUSTICS
LONGMAN-LINDSAY
200 W 41ST, SUITE 1100, NY, NY 10036

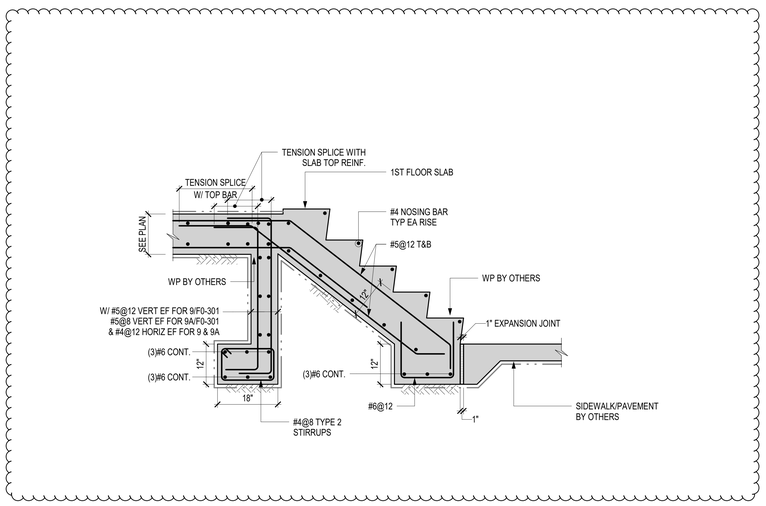
EXPEDITOR
JAM CONSULTANTS INC.
104 W 29TH ST, 9TH FLOOR NY, NY 10001

INTERIORS
INC ARCHITECTURE & DESIGN
150 VARICK ST, 5T FLOOR, NY, NY 10013

POOL CONSULTANT
AQUATECTONIC/LOTHROP ASSOCIATES, LLP
333 WESTCHESTER AVE,
WHITE PLAINS, NY 10604

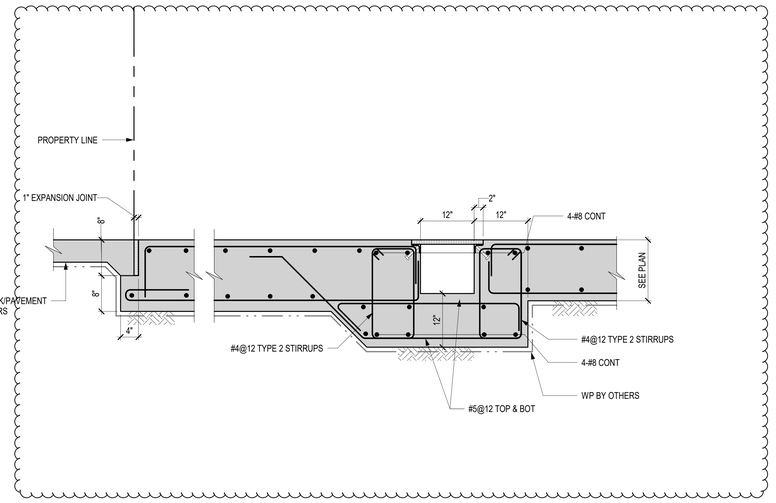
FACADE MAINTENANCE
ENTEK ENGINEERING
166 AMES ST, HACKENSACK, NJ 07601

REV	DATE	DESCRIPTION
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5	02/25/2022	ISSUED FOR 100% DD
6	05/20/2022	ISSUED FOR 50% CD
7	07/18/2022	REVISED AS NOTED
8	08/05/2022	100% CD
	10/05/2022	DOB PAA #1



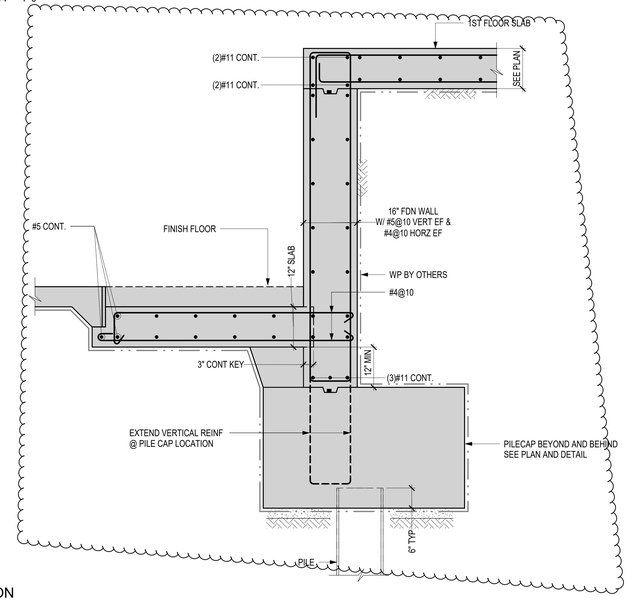
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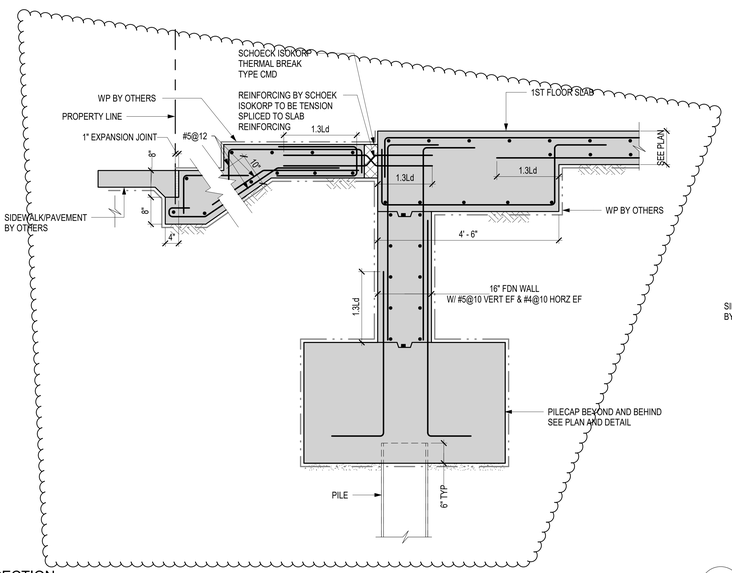
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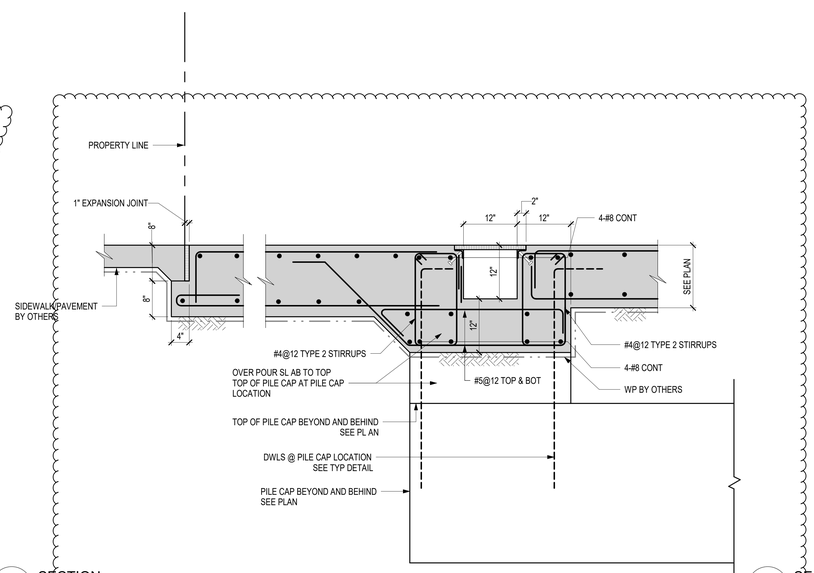
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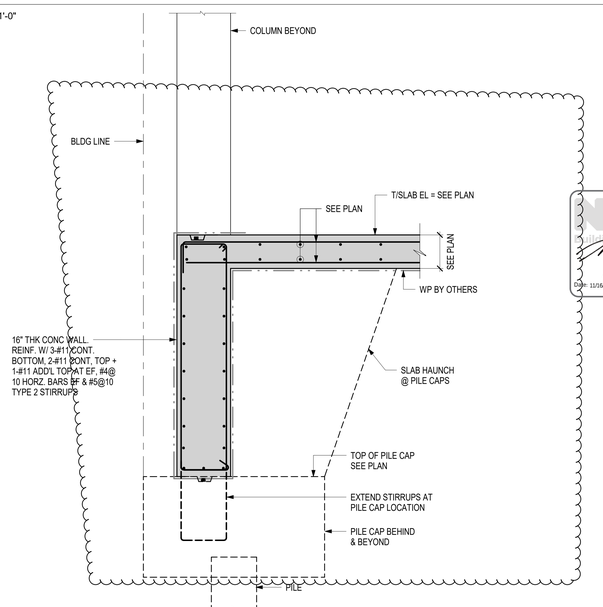
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SCALE: 3/4" = 1'-0"



13 SECTION

SCALE: 1" = 1'-0"



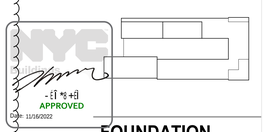
14 SECTION

SCALE: 3/4" = 1'-0"

2021054.00
1 JAVA

18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN



APPROVED
Date: 11/16/2022

FOUNDATION SECTIONS

SCALE: As indicated

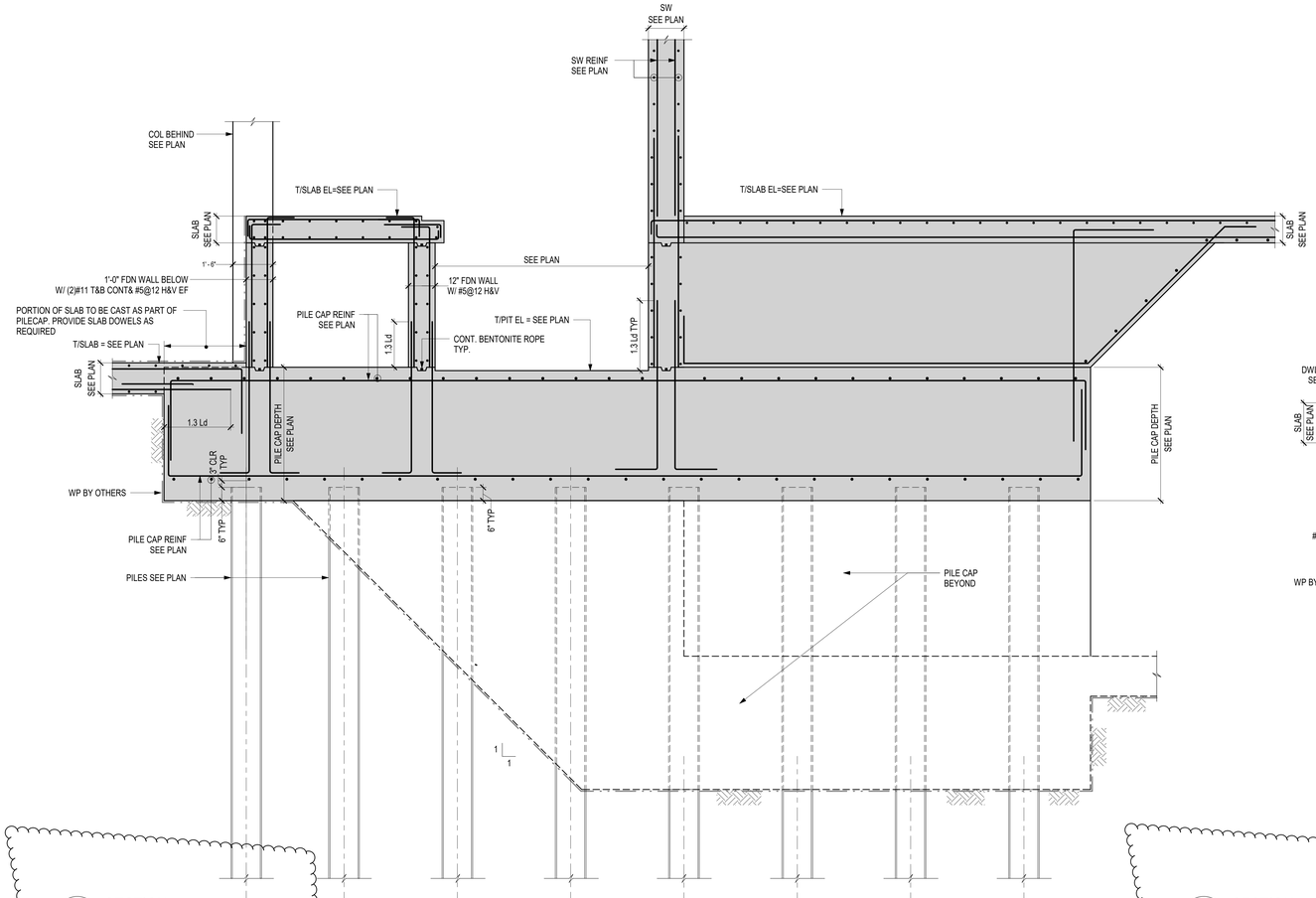


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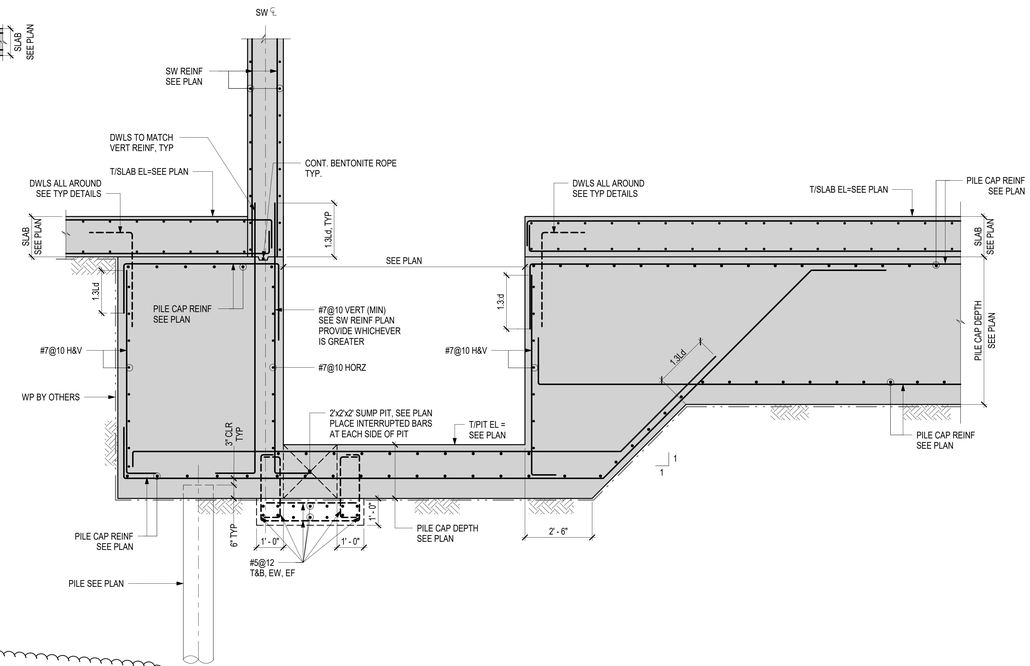
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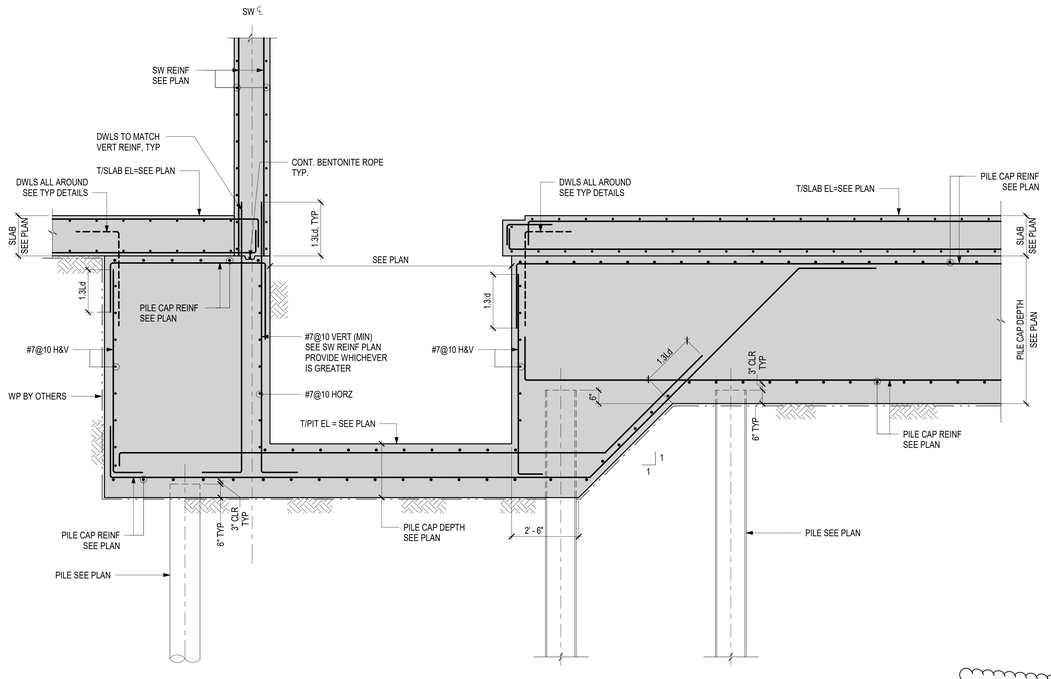
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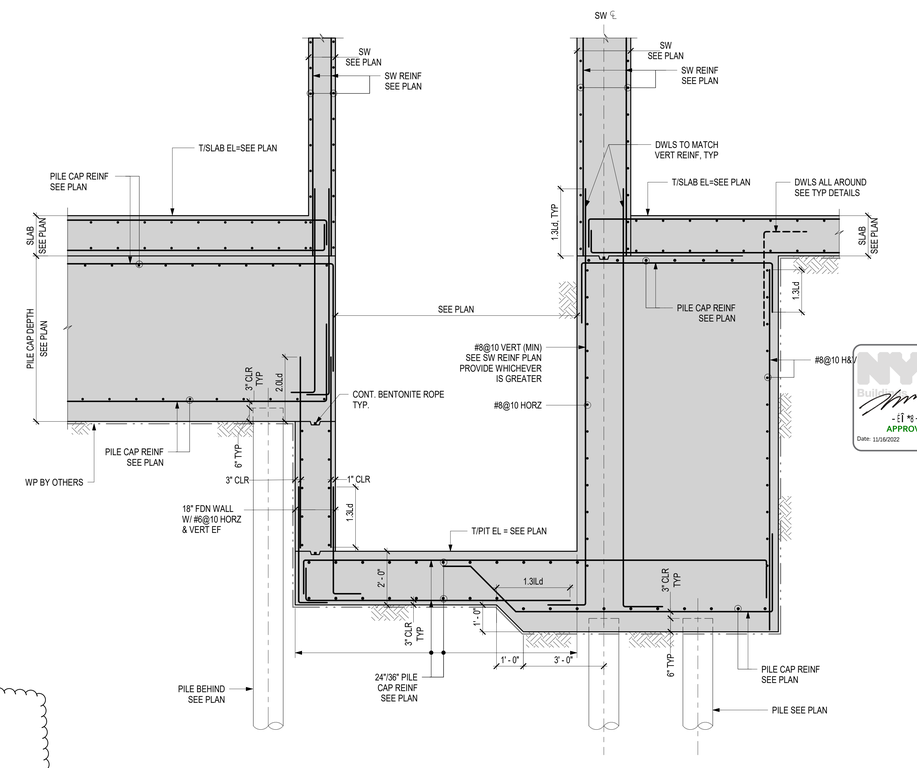
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SCALE: 1/2" = 1'-0"



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



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



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



MARVEL

145 HUDSON STREET, FLR.3 NEW YORK, NY 10013
212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

VERTICAL TRANSPORTATION
LERCH BATES
1430 BROADWAY, SUITE 908 NY, NY 10018

PARKING CONSULTANT
WALKER CONSULTANTS
49 W 38TH ST, 9TH FLOOR NY, NY 10018

SUSTAINABILITY CONSULTANT
STEVEN WINTER ASSOCIATES, INC
307 7TH AVE, SUITE 1701 NY, NY 1001

ENVELOPE CONSULTANT
SOCOTEC, INC
151 W 42ND ST, NY, NY 10036

GEOTECHNICAL/CIVIL ENGINEER
LANGAN
360 W 31ST ST, 8TH FLOOR NY, NY 10001

MARINE ENGINEER
MCLAREN ENGINEERING GROUP
131 W 35TH ST, 4TH FLOOR NY, NY 10001

LANDSCAPE DESIGNER
MARVEL
145 HUDSON ST, 3RD FLOOR NY, NY 10013

LANDSCAPE ARCHITECT (WATERFRONT)
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR NY, NY 10018

LIGHTING DESIGNER
ONELUX
158 W 29TH ST, 10TH FLOOR NY, NY 10001

ACCESSIBILITY
ACCESSIBILITY SERVICES
120-34 QUEENS BLVD, SUITE 320
KEW GARDENS, NY 11415

ACOUSTICS
LONGMAN-LINDSAY
200 W 41ST, SUITE 1100, NY, NY 10036

EXPEDITOR
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333 WESTCHESTER AVE,
WHITE PLAINS, NY 10604

FACADE MAINTENANCE
ENTEK ENGINEERING
166 AMES ST, HACKENSACK, NJ 07601

REV	DATE	DESCRIPTION
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6	05/20/2022	ISSUED FOR 50% CD
7	07/18/2022	REVISED AS NOTED
8	08/05/2022	100% CD
	10/05/2022	DOB PAA #1

2021054.00

1 JAVA

18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN

NYC Buildings
APPROVED
Date: 11/16/2022

FOUNDATION SECTIONS

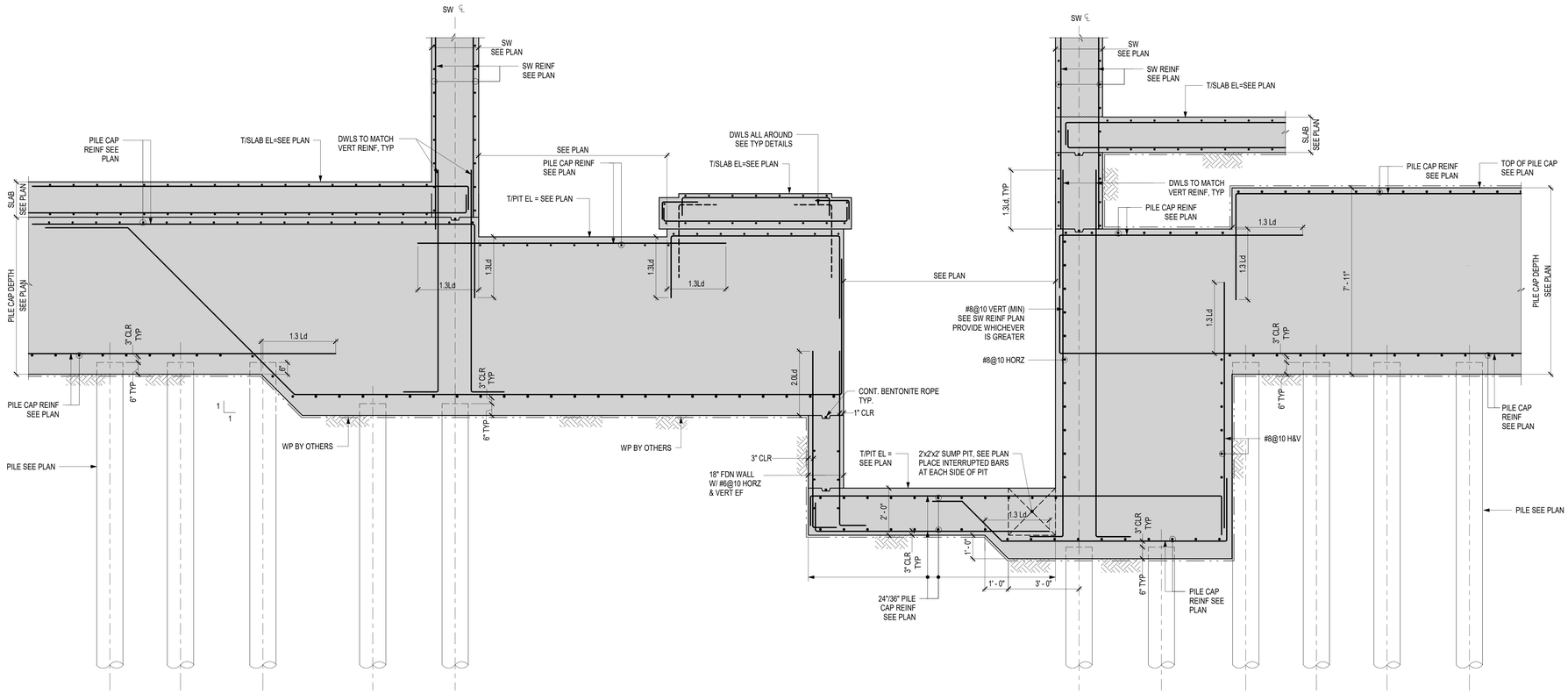
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STATE OF NEW YORK
YASMIN E. SEIKALY
PROFESSIONAL ENGINEER
092770

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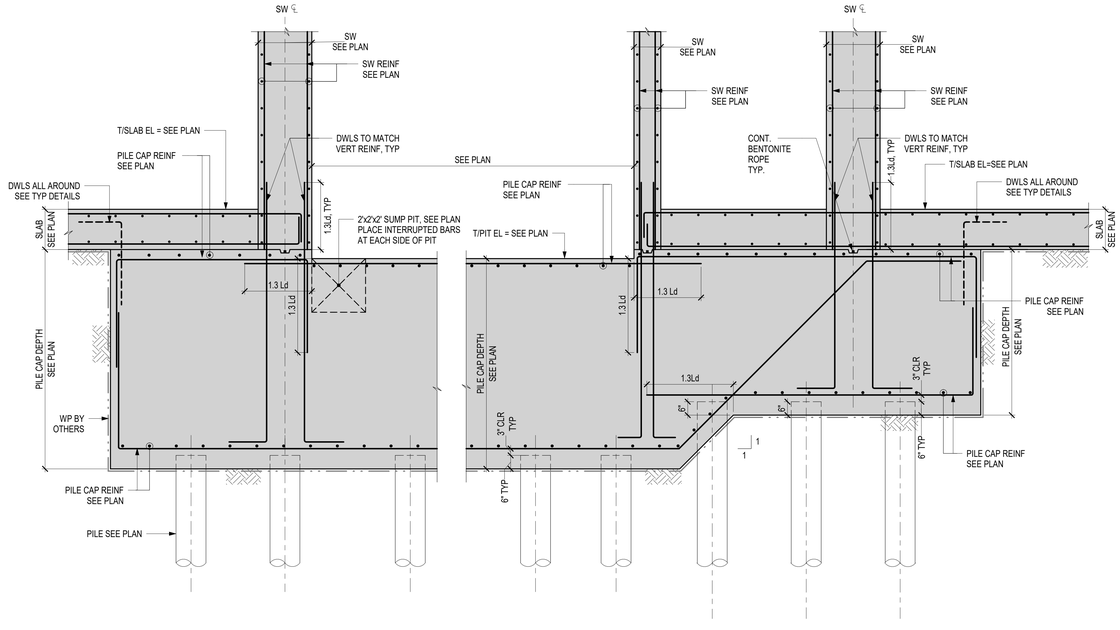
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19 SECTION

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



20 SECTION

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



MARVEL

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212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

VERTICAL TRANSPORTATION
LERCH BATES
1430 BROADWAY, SUITE 908 NY, NY 10018

PARKING CONSULTANT
WALKER CONSULTANTS
49 W 38TH ST, 9TH FLOOR NY, NY 10018

SUSTAINABILITY CONSULTANT
STEVEN WINTER ASSOCIATES, INC
307 7TH AVE, SUITE 1701 NY, NY 1001

ENVELOPE CONSULTANT
SOCOTEC, INC
151 W 42ND ST, NY, NY 10036

GEOTECHNICAL/CIVIL ENGINEER
LANGAN
360 W 31ST ST, 8TH FLOOR NY, NY 10001

MARINE ENGINEER
MCLAREN ENGINEERING GROUP
131 W 35TH ST, 4TH FLOOR NY, NY 10001

LANDSCAPE DESIGNER
MARVEL
145 HUDSON ST, 3RD FLOOR NY, NY 10013

LANDSCAPE ARCHITECT (WATERFRONT)
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR NY, NY 10018

LIGHTING DESIGNER
ONELUX
158 W 29TH ST, 10TH FLOOR NY, NY 10001

ACCESSIBILITY
ACCESSIBILITY SERVICES
120-34 QUEENS BLVD, SUITE 320
KEW GARDENS, NY 11415

ACOUSTICS
LONGMAN-LINDSAY
200 W 41ST, SUITE 1100, NY, NY 10036

EXPEDITOR
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104 W 29TH ST, 9TH FLOOR NY, NY 10001

INTERIORS
INC ARCHITECTURE & DESIGN
150 VARICK ST, 5T FLOOR, NY, NY 10013

POOL CONSULTANT
AQUATECTONIC/LOTHROP ASSOCIATES, LLP
333 WESTCHESTER AVE,
WHITE PLAINS, NY 10604

FACADE MAINTENANCE
ENTEK ENGINEERING
166 AMES ST, HACKENSACK, NJ 07601

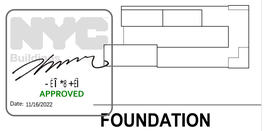
REV	DATE	DESCRIPTION
1	06/01/2021	ISSUE FOR FOUNDATION
2	06/11/2021	50% SCHEMATIC SUBMISSION
3	08/06/2021	ISSUED FOR 100% SD
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7	07/18/2022	REVISED AS NOTED
8	08/05/2022	100% CD
	10/05/2022	DOB PAA #1

2021054.00

1 JAVA

18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN



APPROVED
Date: 11/16/2022

FOUNDATION SECTIONS

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



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FO-303.01

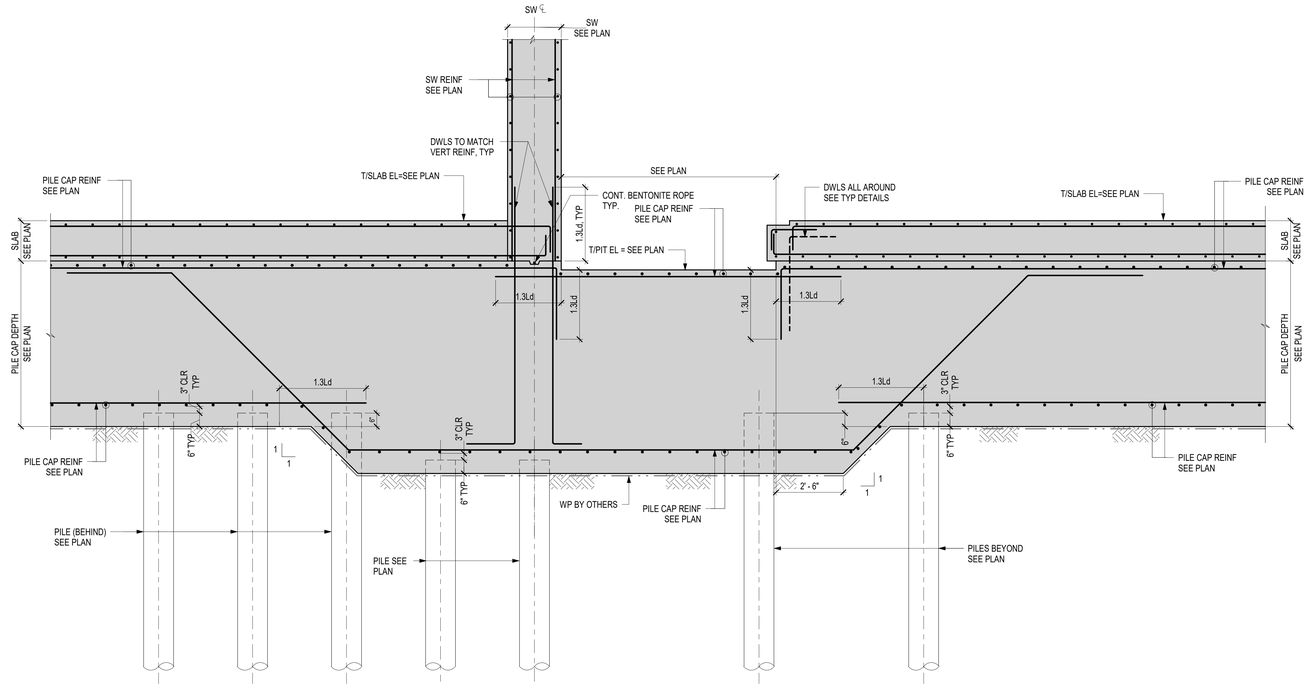
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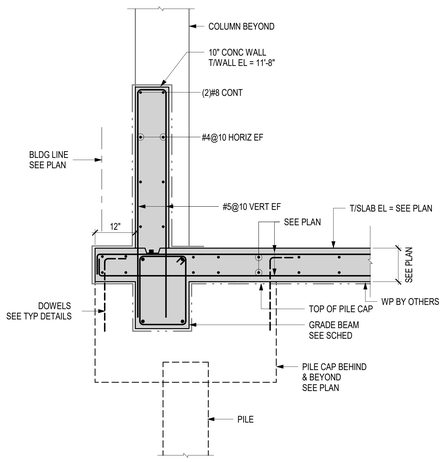
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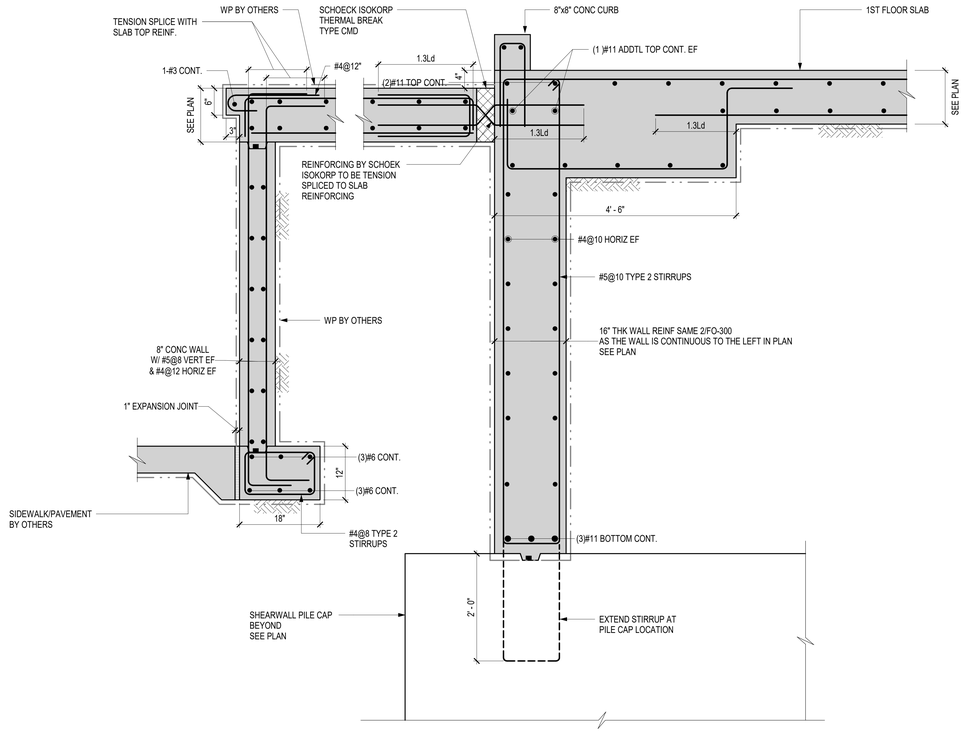
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SCALE: 1/2" = 1'-0"



22 SECTION

SCALE: 3/4" = 1'-0"



23 SECTION

SCALE: 1" = 1'-0"



MARVEL
145 HUDSON STREET, FLR.3 NEW YORK, NY 10013
212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

VERTICAL TRANSPORTATION
LERCH BATES
1430 BROADWAY, SUITE 908 NY, NY 10018

PARKING CONSULTANT
WALKER CONSULTANTS
49 W 38TH ST, 9TH FLOOR NY, NY 10018

SUSTAINABILITY CONSULTANT
STEVEN WINTER ASSOCIATES, INC
307 7TH AVE, SUITE 1701 NY, NY 1001

ENVELOPE CONSULTANT
SOCOTEC, INC
151 W 42ND ST, NY, NY 10036

GEOTECHNICAL/CIVIL ENGINEER
LANGAN
360 W 31ST ST, 8TH FLOOR NY, NY 10001

MARINE ENGINEER
MCLAREN ENGINEERING GROUP
131 W 35TH ST, 4TH FLOOR NY, NY 10001

LANDSCAPE DESIGNER
MARVEL
145 HUDSON ST, 3RD FLOOR NY, NY 10013

LANDSCAPE ARCHITECT (WATERFRONT)
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR NY, NY 10018

LIGHTING DESIGNER
ONELUX
158 W 29TH ST, 10TH FLOOR NY, NY 10001

ACCESSIBILITY
ACCESSIBILITY SERVICES
120-34 QUEENS BLVD, SUITE 320
KEW GARDENS, NY 11415

ACOUSTICS
LONGMAN-LINDSAY
200 W 41ST, SUITE 1100, NY, NY 10036

EXPEDITOR
JAM CONSULTANTS INC.
104 W 29TH ST, 9TH FLOOR NY, NY 10001

INTERIORS
INC ARCHITECTURE & DESIGN
150 VARICK ST, 5T FLOOR, NY, NY 10013

POOL CONSULTANT
AQUATECTONIC/LOTHROP ASSOCIATES, LLP
333 WESTCHESTER AVE,
WHITE PLAINS, NY 10604

FACADE MAINTENANCE
ENTEK ENGINEERING
166 AMES ST, HACKENSACK, NJ 07601

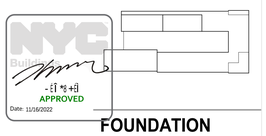
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8	08/05/2022	100% CD
	10/05/2022	DOB PAA #1

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1 JAVA

18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN



FOUNDATION SECTIONS

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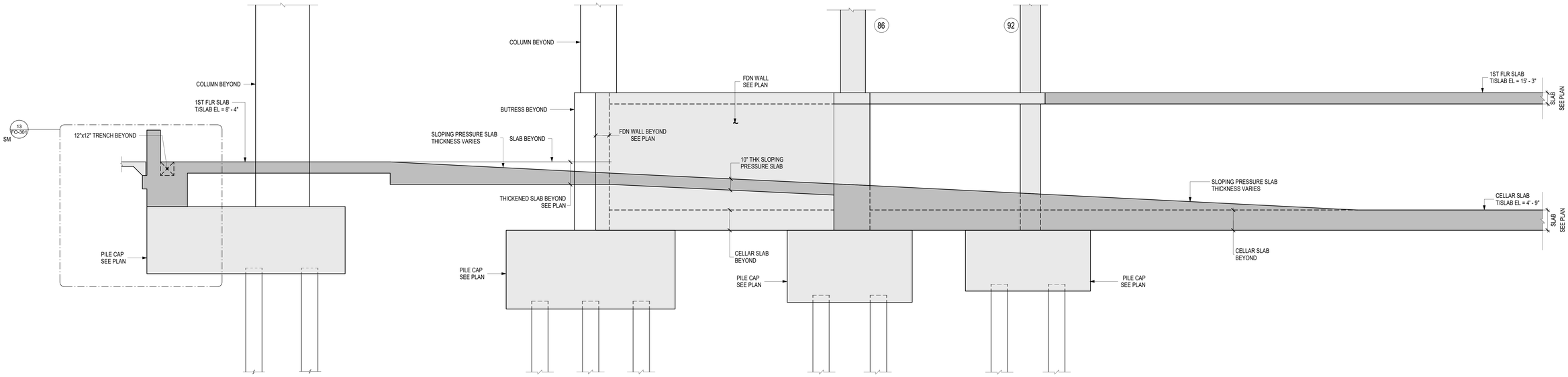


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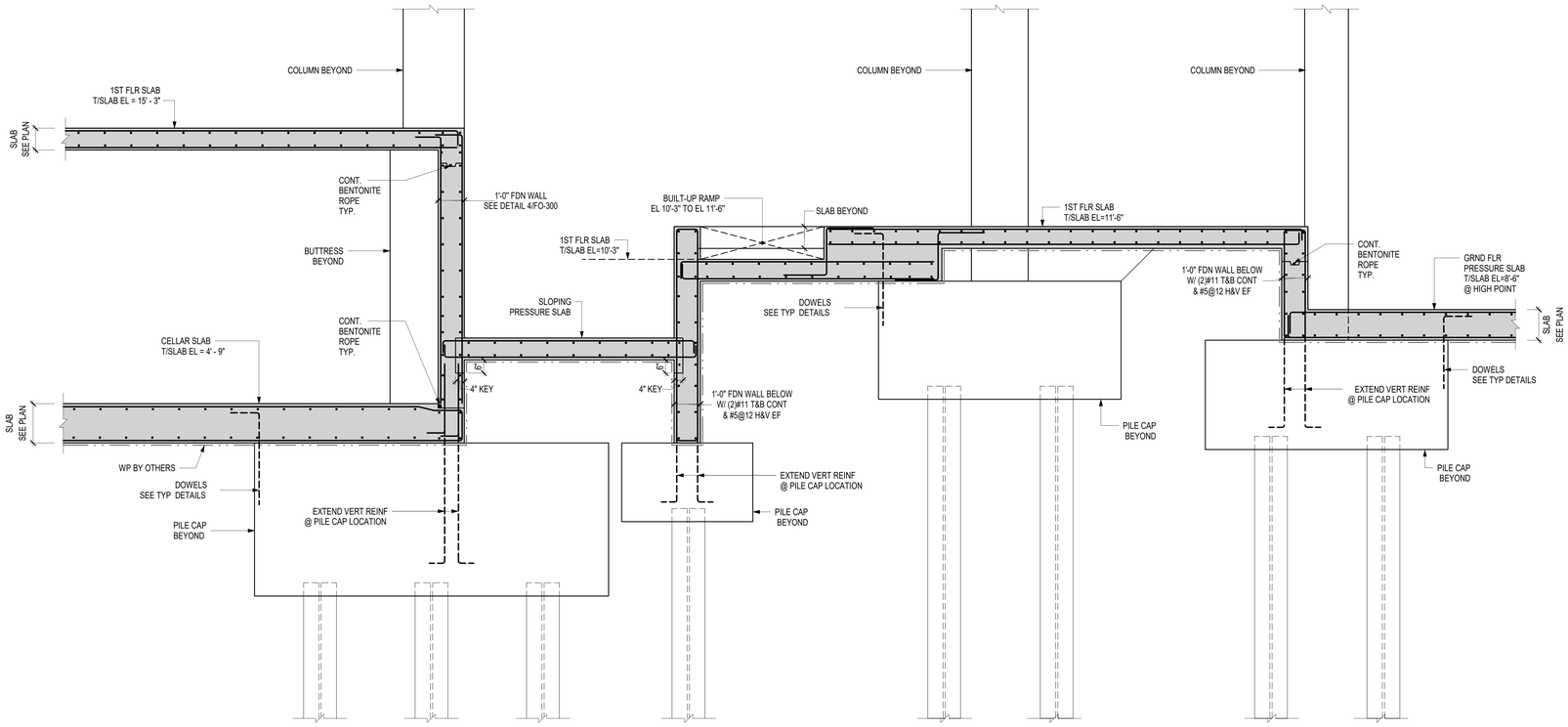
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24 SECTION

SCALE: 3/8" = 1'-0"



25 SECTION

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



MARVEL

145 HUDSON STREET, FLR.3 NEW YORK, NY 10013
212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

VERTICAL TRANSPORTATION
LERCH BATES
1430 BROADWAY, SUITE 908 NY, NY 10018

PARKING CONSULTANT
WALKER CONSULTANTS
49 W 38TH ST, 9TH FLOOR NY, NY 10018

SUSTAINABILITY CONSULTANT
STEVEN WINTER ASSOCIATES, INC
307 7TH AVE, SUITE 1701 NY, NY 1001

ENVELOPE CONSULTANT
SOCOTEC, INC
151 W 42ND ST, NY, NY 10036

GEOTECHNICAL/CIVIL ENGINEER
LANGAN
360 W 31ST ST, 8TH FLOOR NY, NY 10001

MARINE ENGINEER
MCLAREN ENGINEERING GROUP
131 W 35TH ST, 4TH FLOOR NY, NY 10001

LANDSCAPE DESIGNER
MARVEL
145 HUDSON ST, 3RD FLOOR NY, NY 10013

LANDSCAPE ARCHITECT (WATERFRONT)
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR NY, NY 10018

LIGHTING DESIGNER
ONELUX
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ACCESSIBILITY SERVICES
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EXPEDITOR
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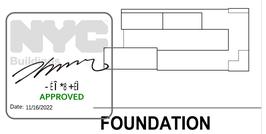
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1 JAVA

18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN



FOUNDATION SECTIONS

SCALE: As indicated



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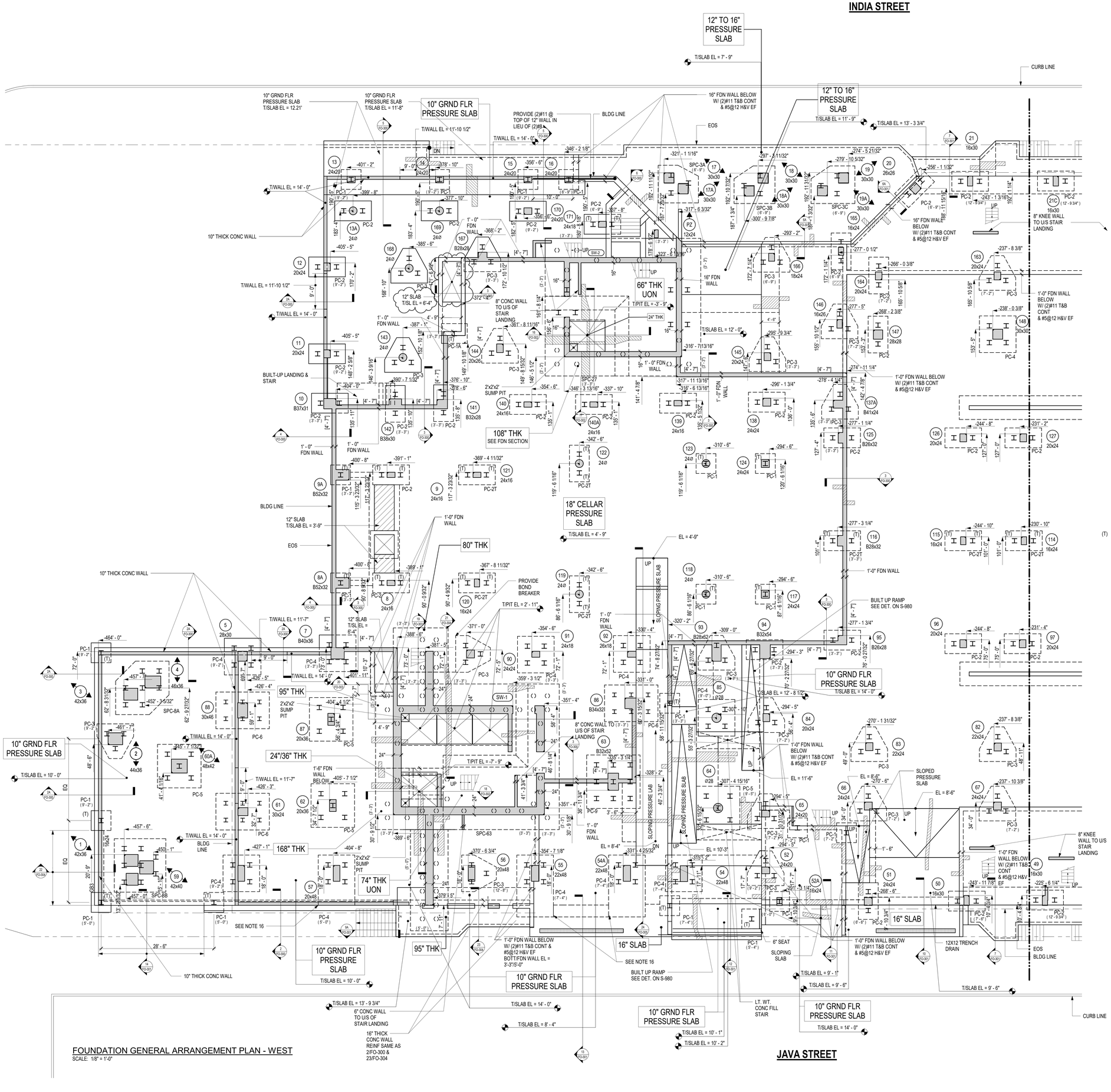
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FOUNDATION GENERAL ARRANGEMENT PLAN - WEST

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



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212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

VERTICAL TRANSPORTATION
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ENVELOPE CONSULTANT
SOCOTEC, INC
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MARINE ENGINEER
MCLAREN ENGINEERING GROUP
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ONELUX
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ACCESSIBILITY
ACCESSIBILITY SERVICES
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200 W 41ST, SUITE 1100, NY, NY 10036

EXPEDITOR
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INTERIORS
INC ARCHITECTURE & DESIGN
150 VARICK ST, 5T FLOOR, NY, NY 10013

POOL CONSULTANT
AQUATECTONIC/LOTHROP ASSOCIATES, LLP
333 WESTCHESTER AVE,
WHITE PLAINS, NY 10604

FACADE MAINTENANCE
ENTEK ENGINEERING
166 AMES ST, HACKENSACK, NJ 07601

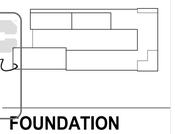
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6	05/20/2022	ISSUED FOR 50% CD
7	07/18/2022	REVISED AS NOTED
8	08/05/2022	100% CD
	10/05/2022	DOB PAA #1

2021054.00

1 JAVA

18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN



NYC Buildings
APPROVED
Date: 11/16/2022

FOUNDATION GENERAL ARRANGEMENT PLAN - WEST

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



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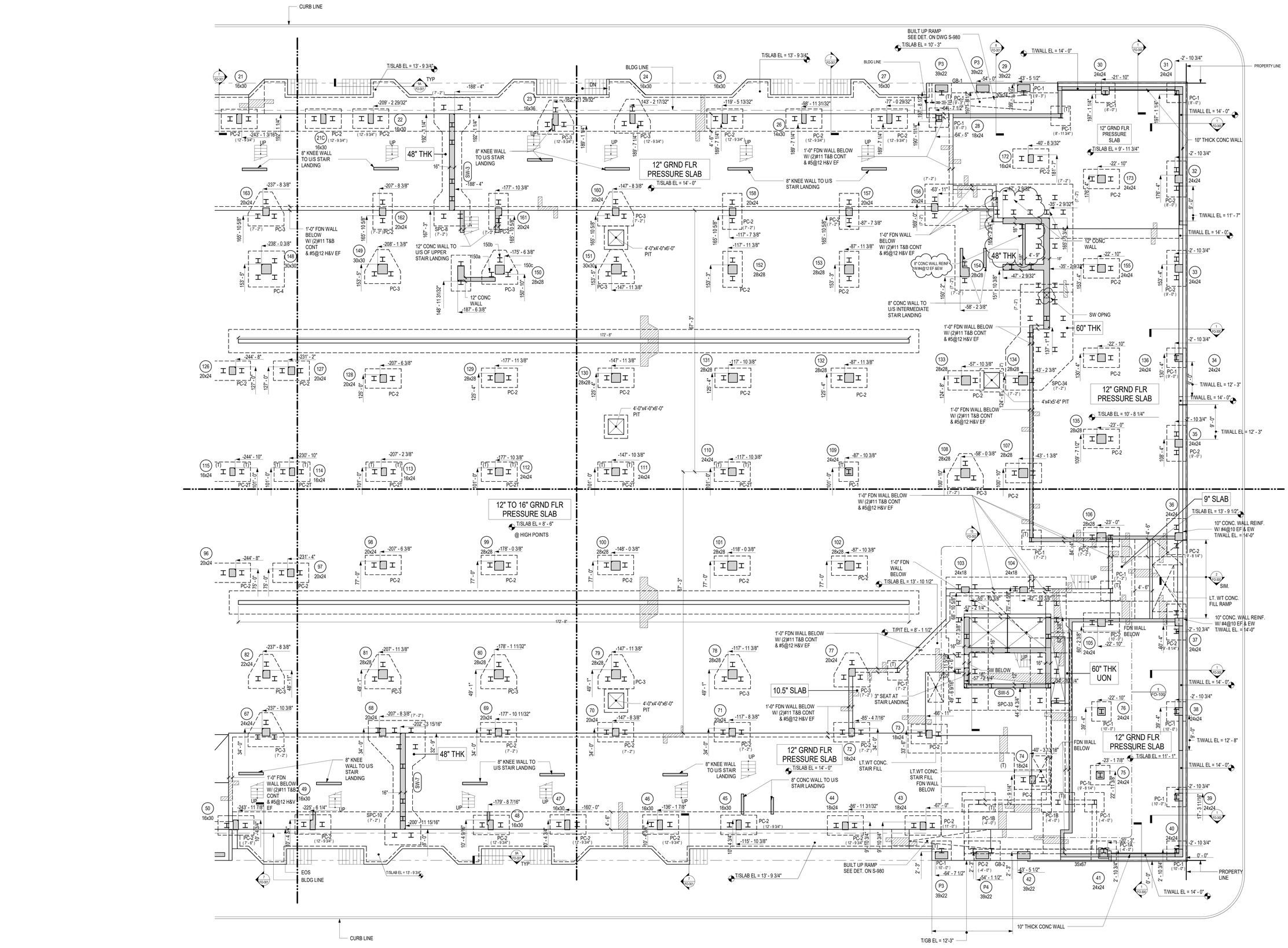
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FOUNDATION GENERAL ARRANGEMENT PLAN - EAST
SCALE: 1/8" = 1'-0"



MARVEL
145 HUDSON STREET, FLR.3 NEW YORK, NY 10013
212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

STRUCTURAL ENGINEER
MCNAMARA SALVIA
45 W 45TH ST, 10TH FLOOR NY, NY 10036

BUILDING SYSTEMS ENGINEER
ARUP
77 WATER ST, 5TH FLOOR NY,NY 10005

VERTICAL TRANSPORTATION
LERCH BATES
1430 BROADWAY, SUITE 908 NY, NY 10018

PARKING CONSULTANT
WALKER CONSULTANTS
49 W 38TH ST, 9TH FLOOR NY, NY 10018

SUSTAINABILITY CONSULTANT
STEVEN WINTER ASSOCIATES, INC
307 7TH AVE, SUITE 1701 NY, NY 1001

ENVELOPE CONSULTANT
SOCOTEC, INC
151 W 42ND ST, NY, NY 10036

GEOTECHNICAL/CIVIL ENGINEER
LANGAN
360 W 31ST ST, 8TH FLOOR NY, NY 10001

MARINE ENGINEER
MCLAREN ENGINEERING GROUP
131 W 35TH ST, 4TH FLOOR NY, NY 10001

LANDSCAPE DESIGNER
MARVEL
145 HUDSON ST, 3RD FLOOR NY, NY 10013

LANDSCAPE ARCHITECT (WATERFRONT)
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR NY, NY 10018

LIGHTING DESIGNER
ONELUX
158 W 29TH ST, 10TH FLOOR NY, NY 10001

ACCESSIBILITY
ACCESSIBILITY SERVICES
120-34 QUEENS BLVD, SUITE 320
KEW GARDENS, NY 11415

ACOUSTICS
LONGMAN-LINDSAY
200 W 41ST, SUITE 1100, NY, NY 10036

EXPEDITOR
JAM CONSULTANTS INC.
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INTERIORS
INC ARCHITECTURE & DESIGN
150 VARICK ST, 5T FLOOR, NY, NY 10013

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FACADE MAINTENANCE
ENTEK ENGINEERING
166 AMES ST, HACKENSACK, NJ 07601

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1 JAVA
18 INDIA STREET
BROOKLYN, NY 11222

KEY PLAN

APPROVED
Date: 11/16/2022

FOUNDATION GENERAL ARRANGEMENT PLAN - EAST

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

STATE OF NEW YORK · JASWINN E. SELLA · 092779 · LICENSED PROFESSIONAL ENGINEER

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MARVEL

145 HUDSON STREET, FLR.3 NEW YORK, NY 10013
212.616.0420

OWNER
1 JAVA OWNER, LLC
200 PARK AVE, 9TH FLOOR NY, NY 10166

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FOUNDATION GENERAL ARRANGEMENT PART PLAN
SCALE: 1/8" = 1'-0"

2021054.00
1 JAVA

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BROOKLYN, NY 11222

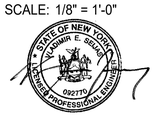
KEY PLAN



NYC Buildings
APPROVED
Date: 11/16/2022

FOUNDATION GENERAL ARRANGEMENT PART PLAN

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



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DESIGN CRITERIA:

1. DESIGN INTENT:
THE OBJECTIVE OF THIS DESIGN IS TO COMPLETE THE CONSTRUCTION OF THE PROPOSED WATER FRONT STRUCTURE WITH A DESIGN IN ACCORDANCE WITH THE STANDARDS OUTLINED BELOW.

2. BUILDING CODE:
THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE 2014 NEW YORK CITY BUILDING CODE. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THIS CODE AND LOCAL REQUIREMENTS.

3. SERVICE CONDITION DENOTES THE MAXIMUM ALLOWABLE ENVIRONMENTAL CONDITIONS WITHIN WHICH THE STRUCTURE IS DESIGNED TO OPERATE. FACTOR OF SAFETY IS IN ACCORDANCE WITH CODE.

4. DESIGN LOADS
   A. LIVE LOAD:
      PEDESTRIAN LIVE LOAD = 100 PSF
   B. SUPERIMPOSED DEAD LOAD: 50 PSF
   C. WIND LOAD: (ASCE 7-10)
      WIND SPEED = 110 MPH
      IMPORTANCE FACTOR = I
      GUST EFFECT FACTOR = 0.85
   D. WAVE ANALYSIS (100 YEAR STORM):
      EXTREME DESIGN WAVE HEIGHT = 5.63'
      SERVICE DESIGN WAVE HEIGHT = 4.42'
      WAVE PRESSURE ANALYSIS ASSUMES A STANDING WAVE PRESSURE DIAGRAM AND SAINFLOU DISTRIBUTION.
   E. SNOW LOAD: (ASCE 7-10)
      GROUND SNOW LOAD (PG) = 25 PSF
      SNOW EXPOSURE FACTOR (CE) = 0.9
      SNOW IMPORTANCE FACTOR (IS) = 1.1
      THERMAL FACTOR (CT) = 1.2

5. NEW YORK CITY FLOOD RESISTANT CONSTRUCTION:
   A. THE PROPOSED WORK DOES NOT ENCROACH ON THE FLOODWAY. ALTER THE WATERCOURSE OR MODIFY A SAND DUNE IN A V-ZONE AND THEREFORE DOES NOT REQUIRE TECHNICAL CERTIFICATION ACCORDING TO SECTION G103 OF THE CODE.
   B. THE PROPOSED WORK IS NOT LOCATED IN A REGULATORY FLOODWAY.
   C. THE PROPOSED WORK DOES NOT INCLUDE ANY ENCLOSED STRUCTURES AND IS NOT SUBJECT TO THE CERTIFICATION REQUIREMENTS OF CODE SECTIONS G104.5.
   D. FLOOD ZONE COMPLIANCE INSPECTION REQUIREMENT IS INDICATED UNDER THE INSPECTIONS SECTION OF THESE NOTES. ELEVATION AND FLOOD SHIELD INSPECTIONS ARE NOT APPLICABLE.
   E. RETAINING WALLS AND FILL HAS BEEN DESIGNED AND SPECIFIED IN ACCORDANCE WITH SECTION G303.7 AND DOES NOT DIRECT WATER OR WAVES TOWARD ANY BUILDING.
   F. THE PROPOSED WORK IS AN UNOCCUPIED ACCESSORY STRUCTURE, IS NOT REQUIRED FOR ANY BUILDING EGRESS AND IS NOT REQUIRED FOR SUPPORT OR FLOOD PROTECTION OF ANY BUILDING. THE REQUIREMENTS OF CODE SECTION G304 ARE NOT APPLICABLE. THE STRUCTURE HAS BEEN DESIGNED TO PREVENT FLOTATION, COLLAPSE AND LATERAL MOVEMENT RESULTING FROM HYDROSTATIC LOADS, INCLUDING THE EFFECTS OF BUOYANCY, DURING CONDITIONS OF FLOODING TO THE DESIGN FLOOD ELEVATION.
   G. THE PROPOSED WORK HAS BEEN DESIGNED IN ACCORDANCE WITH ASCE 24-05 REQUIREMENTS FOR EROSION CONTROL STRUCTURES AND IS NOT ATTACHED TO THE FOUNDATION OR SUPERSTRUCTURE OF ANY STRUCTURE, WILL NOT FOCUS OR INCREASE THE FLOOD FORCES OR EROSION IMPACTS ON ANY ADJACENT STRUCTURE.

6. CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.

GENERAL NOTES:

1. ALL WORK SHALL CONFORM WITH ALL FEDERAL, STATE, COUNTY, OR LOCAL CODES HAVING JURISDICTION OVER SUCH WORK. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.

2. CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS, METHODS, AND SAFETY OF WORK.

3. DIMENSIONS SHOWN ON THESE CONTRACT PLANS HAVE BEEN OBTAINED FROM LIMITED FIELD SURVEY AND MAY NOT ACCURATELY REFLECT PRESENT FIELD CONDITIONS. ACCORDINGLY, THE CONTRACTOR WILL BE RESPONSIBLE FOR MAKING FIELD MEASUREMENTS OF ALL EXISTING STRUCTURES IMPACTED BY THE PROJECT TO ASSURE CONSISTENCY WITH THE PROPOSED CONSTRUCTION PLANS; THAT IS, THE CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS, DIMENSIONS, CLEARANCES, ELEVATIONS, AND OTHER INFORMATION INDICATED IN THE DOCUMENTS PRIOR TO ORDERING ANY MATERIALS, COMMENCING ANY FABRICATIONS, OR PERFORMING ANY WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY FIELD CONDITIONS WHICH MAY DIFFER FROM THAT REPRESENTED PRIOR TO COMMENCING WORK.

4. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VISIT THE SITE AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY ADDITIONAL UTILITIES, STRUCTURES, OR ANY OTHER ELEMENTS WHICH MAY IMPEDE WORK. UTILITY AND/OR STRUCTURE RELOCATIONS, IF NECESSARY, SHALL BE COORDINATED THROUGH THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.

5. PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR SHALL SCHEDULE AND COORDINATE ALL WORK THROUGH THE OWNER'S REPRESENTATIVE AND ANY OTHER OCCUPYING TENANT WHO WILL BE AFFECTED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COORDINATE THE WORK SO AS TO MINIMIZE INTERRUPTIONS IN FACILITY OPERATIONS (ACCESS AND EGRESS).

6. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OSHA REGULATIONS AND SAFETY PROCEDURES TO ENSURE PERSONNEL HEALTH AND SAFETY. THE CONTRACTOR MUST MAINTAIN A SAFE AND CLEAN WORKING ENVIRONMENT AND SHALL ASSURE PROPER PERSONAL PROTECTIVE EQUIPMENT AT ALL TIMES. IN AREAS WHERE PEDESTRIAN AND/OR VEHICULAR TRAFFIC MAY BE AFFECTED BY THE WORK, THE CONTRACTOR SHALL CORDON OFF THE WORK AREA.

7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE TERMS AND CONDITIONS OF ALL PERMITS ISSUED BY ANY REGULATING AGENCY HAVING JURISDICTION OVER THE WORK OF THIS PROJECT.

8. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO PREVENT DAMAGE TO EXISTING STRUCTURES BY OR AS A RESULT OF HIS OPERATIONS. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.

9. ALL DEBRIS AS A RESULT OF OR IN THE IMMEDIATE VICINITY OF THE WORK SHALL BE RECOVERED AND PROPERLY DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST.

10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT ALL CONSTRUCTION DEBRIS OR WASTE FROM FALLING INTO THE WATER. ANY DEBRIS FALLING INTO THE WATER SHALL BE RECOVERED AND PROPERLY DISPOSED.

DELIVERY, STORAGE & HANDLING:

1. DELIVER MATERIALS TO THE CONSTRUCTION SITE AT APPROPRIATE INTERVALS SO AS TO ENSURE UNINTERRUPTED PROGRESS OF WORK.

2. MATERIAL SHALL BE STORED OFFSITE IN AN AREA DESIGNATED OR APPROVED BY THE OWNER. STRUCTURAL STEEL SHALL BE DRAINED PROPERLY. ADEQUATE SHORING AND PROTECTION SHALL BE PROVIDED TO PREVENT DISTORTION AND OTHER DAMAGE. STRUCTURAL STEEL SHALL BE STORED ON TIMBER AND NOT ON MUD OR CINDERS, AND OTHERWISE HANDLED SO AS NOT TO DAMAGE SHOP PAINT. ALL SECTIONS WHICH ARE TO BE PLACED IN GROUND STORAGE SHALL BE READILY ACCESSIBLE FOR INSPECTION.

3. MATERIALS WHICH FAIL TO COMPLY WITH SPECIFIED REQUIREMENTS, EITHER AT THE SHOP OR CONSTRUCTION SITE, SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH ACCEPTABLE MATERIAL, WITHOUT ADDITIONAL COST TO THE OWNER, AND WITHOUT CAUSING DELAY IN WORK.

SUBMITTALS:

THE CONTRACTOR SHALL SUPPLY ALL SUBMITTALS STATED BELOW AND LISTED IN THE PROJECT SPECIFICATIONS:

1. DEMOLITION PLAN SHOWING ALL PROPOSED REMOVALS AND EXCAVATIONS. PLAN SHALL INCLUDE TEMPORARY SHORING AS NEEDED, ENVIRONMENTAL CONTROLS AND POST DEMOLITION SURVEY.

2. MEANS AND METHODS AND SEQUENCE OF CONSTRUCTION.

3. SHOP DRAWINGS/ERECTION DRAWINGS:
   - CONCRETE REINFORCEMENT
   - PILE PLAN W/ IDENTIFICATION OF INDICATOR PILES
   - CONCRETE SLAB & GRADE BEAM DRAWINGS
   - AS-BUILT PILE SURVEY

4. PRODUCT DATA:
   - GEOTEXTILE FILTER FABRIC
   - COATING SYSTEMS
   - CONCRETE MIX DESIGNS
   - CEMENTITIOUS GROUT

5. TESTING RESULTS:
   - STONE GRADATION
   - STONE MATERIAL
   - PRELIMINARY DESIGN MIX TEST REPORTS (ACI-301) OR VERIFICATION OF MIX DESIGNS BASED ON STANDARD DEVIATION ANALYSIS. THE MIX DESIGN SUBMITTAL MUST BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF NEW YORK.
   - AIR ENTRAINMENT TESTING (ASTM C173) FOR NORMAL AND LIGHTWEIGHT CONCRETE AND ASTM C231 FOR NORMAL WEIGHT CONCRETE.
   - LABORATORY TEST RESULTS FOR BEDDING STONE

6. CERTIFICATES
   - LABORATORY SPECIFICATION
   - STEEL PIPE PILE MILL CERTIFICATES
   - WELDERS AWS CERTIFICATES
   - BEDDING STONE AND ARMOR STONE GRADATION

7. PERFORMANCE DATA & CALCULATIONS
   - WELDING PROCEDURE SPECIFICATIONS (WPS)
   - PROCEDURE QUALIFICATION RECORDS (PQR)

8. CONTRACTOR SHALL PROVIDE MOCKUPS/SAMPLES OF CONCRETE SURFACES WITH ARCHITECTURAL FINISH FOR REVIEW AND APPROVAL.

9. ALL SUBMITTALS MADE BY CONTRACTOR'S P.E. SHALL BE FOR ACCEPTANCE ONLY. ENGINEER AND OWNER DO NOT TAKE RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS.

SHOP DRAWINGS:

1. THE SHOP DRAWINGS SHALL CONTAIN ALL DIMENSIONAL AND GEOMETRIC INFORMATION. MATERIALS SHALL NOT BE ORDERED, FABRICATED, OR DELIVERED TO THE PROJECT SITE BEFORE THE SHOP DRAWINGS HAVE BEEN APPROVED.

2. PRIOR TO REVIEW OF THE SHOP DRAWINGS BY THE ENGINEER, SUCH SHOP DRAWINGS SHALL HAVE BEEN REVIEWED AND APPROVED BY THE CONTRACTOR AND SHALL BE STAMPED TO INDICATE THIS BY THE CONTRACTOR. SUCH APPROVAL BY THE CONTRACTOR SHALL CONSTITUTE THE CONTRACTOR'S REPRESENTATION THAT THE CONTRACTOR HAS VERIFIED ALL QUANTITIES, DIMENSIONS, SPECIFIED PERFORMANCE CRITERIA, INSTALLATION REQUIREMENTS, MATERIALS, CATALOG NUMBERS AND SIMILAR DATA WITH RESPECT THERETO AND HAS REVIEWED OR COORDINATED EACH SHOP DRAWING WITH OTHER SHOP DRAWINGS AND SAMPLES AND WITH THE REQUIREMENTS OF THE WORK AND THE CONTRACT DRAWINGS AND SPECIFICATIONS.

3. SHOP DRAWINGS SHALL INCLUDE LAYOUTS AND DETAILS SHOWING THE TYPE OF MATERIAL FOR EACH MEMBER, SIZES OF MEMBERS, CONNECTIONS, CUTS, CAMBER, COPE REINFORCING, BOLTS, WELDS AND OTHER PERTINENT DATA.

4. UNLESS NOTED OTHERWISE, ALL STEEL CONSTRUCTION SHALL BE OF WELDED DESIGN. ALL WELDS SHALL BE INDICATED BY STANDARD WELDING SYMBOLS AS DEFINED BY AWS AND ENGINEERING STRESS CALCULATIONS THAT ARE APPROVED BY THE AWS. SHOP DRAWINGS SHALL SHOW THE SIZE, LENGTH, AND TYPE OF EACH WELD.

5. SHOP DRAWINGS SHALL BE SUBMITTED IN COMPLETE PACKAGES SO THAT INDIVIDUAL PARTS AND THE ASSEMBLED UNIT MAY BE REVIEWED TOGETHER.

6. THE REVIEW OF SHOP DRAWINGS BY THE ENGINEER SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR THE ADEQUACY OF THE DESIGN OF THE CONNECTIONS AND ALL REQUIRED DETAILING, THE RESPONSIBILITY FOR THE PROPER FITTING OF THE WORK IN STRICT CONFORMANCE WITH THE CONTRACT REQUIREMENTS AND FROM THE NECESSITY OF FURNISHING MATERIAL AND WORKMANSHIP REQUIRED BY CONTRACT DRAWINGS AND SPECIFICATIONS IN ADDITION TO THAT INDICATED ON THE SHOP DRAWINGS.

7. THE CONTRACTOR SHALL KEEP A COMPLETE SET OF SHOP DRAWINGS BEARING THE ENGINEER'S ACCEPTANCE STAMP ON THE JOB SITE AT ALL TIMES SUBSEQUENT TO SUCH ACCEPTANCE.

QUALITY ASSURANCE:

1. THE CONTRACTOR SHALL QUALIFY WELDING PROCESSES AND WELDING OPERATORS IN ACCORDANCE WITH THE APPLICABLE AWS WELDING CODE AND SHALL PROVIDE CERTIFICATION THAT WELDERS TO BE EMPLOYED IN THE WORK HAVE SATISFACTORILY PASSED AWS QUALIFICATION TESTS. WRITTEN WELDING PROCEDURES DEMONSTRATING COMPLIANCE WITH THE AWS REQUIREMENTS SHALL BE SUBMITTED TO THE ENGINEER.

2. THE CONTRACTOR SHALL EMPLOY NON-DESTRUCTIVE TESTING (NDT) PERSONNEL THAT MEET AWS REQUIREMENTS AND ASNT SNT-TC-1A LEVEL II QUALIFICATIONS. ALL WELDING SHALL BE SUBJECT TO NDT INSPECTION BY THE ENGINEER.

3. ALL FULL PENETRATION WELDS SHALL BE NON-DESTRUCTIVELY TESTED BY RADIOGRAPHIC OR ULTRASONIC METHODS, AS APPROVED BY THE ENGINEER. FILLET WELDS SHALL BE NON-DESTRUCTIVELY TESTED BY MAGNETIC PARTICLE OR DYE PENETRANT METHODS, AS APPROVED BY THE ENGINEER. THE FIRST 15 WELDS OF EACH TYPE PRODUCED BY THE WELDER SHALL BE TESTED. IF TEST RESULTS FOR THE WELDER ARE DEEMED ACCEPTABLE BY THE ENGINEER THEN ONLY 30% OF ALL SUBSEQUENT WELDS PRODUCED BY THAT WELDER NEED BE TESTED THEREAFTER. IF IN THE OPINION OF THE ENGINEER, THE TEST RESULTS FOR A WELDER DISCLOSE TWO OR MORE UNACCEPTABLE WELDS, THEN THE PERCENTAGE OF WELDS REQUIRED TO BE TESTED MAY BE INCREASED, AS DEEMED NECESSARY BY THE ENGINEER, UP TO 100%, WITHOUT ADDITIONAL COMPENSATION THEREFORE.

4. UNLESS OTHERWISE INDICATED, ALL FILLET WELDS SHALL BE CONTINUOUS AND DOUBLE SIDED. ALL BUTT WELDS SHALL BE FULL PENETRATION WELDS. ANY DEFECTS FOUND SHALL BE CORRECTED IN ACCORDANCE WITH AWS RULES.

5. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR COORDINATING THE WORK TO ASSURE THAT ALL TESTING AND INSPECTION PROCEDURES REQUIRED BY THE ENGINEER ARE PROPERLY PROVIDED.

6. THE OWNER MAY PERFORM QUALITY ASSURANCE AUDITS TO ENSURE QUALITY WORKMANSHIP. THESE AUDITS MAY INCLUDE BUT NOT BE LIMITED TO VISUAL INSPECTIONS, ULTRASONIC, RADIOGRAPH, MAGNETIC PARTICLE OR DYE PENETRANT TESTING OF THE WELDING AND CUTTING PERFORMED IN THE FABRICATION SHOP AND IN THE FIELD. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 15 DAYS PRIOR TO THE START OF FABRICATION.

7. MATERIALS WILL NOT BE ACCEPTED WHICH CANNOT BE IDENTIFIED WITH APPROPRIATE CERTIFICATES OF CONFORMANCE AND CERTIFIED TEST REPORTS. TEST REPORTS FOR MATERIAL TESTS AND ANALYSES SHALL BE IDENTIFIED WITH SPECIFIC LOTS AND ITEMS PRIOR TO INSTALLATION.

DEMOLITION:

1. THE CONTRACTOR SHALL SUBMIT TO THE OWNERS REPRESENTATIVE, A REMOVAL SCHEDULE, AND A TEMPORARY SHORING PLAN AS MAY BE REQUIRED FOR DEMOLITION AND REMOVALS. THE TEMPORARY SHORING PLAN SHALL BE DESIGNED AND SIGNED AND SEALED BY A PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF NEW YORK. THE CONTRACTOR SHALL NOT COMMENCE WORK WITHOUT APPROVAL FROM THE OWNER'S REPRESENTATIVE OF THE DEMOLITION AND REMOVAL SCHEDULE AND THE TEMPORARY SHORING PLAN.

2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, IDENTIFYING AND MARKOUT OF ALL UTILITIES PRIOR TO START OF DEMOLITION WORK.

3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND STAGING DEMOLITION WORK WITH OTHER CONSTRUCTION ACTIVITIES AT THE SITE.

4. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE OWNER OR TENANT, WILL NOT BE DAMAGED. IF CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE OWNER OR TENANT, DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO OWNER'S REPRESENTATIVE AT THE EXPENSE OF THE CONTRACTOR.

5. WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE PRICE BID FOR THOSE ITEMS.

6. ALL DEBRIS AS A RESULT OF, OR IN THE IMMEDIATE VICINITY OF THE WORK SHALL BE RECOVERED AND PROPERLY DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

7. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT ALL CONSTRUCTION DEBRIS OR WASTE FROM FALLING INTO THE WATER. ANY DEBRIS FALLING INTO THE WATER SHALL BE RECOVERED AND LEGALLY DISPOSED OF AT NO ADDITIONAL COST TO THE OWNER.

EXCAVATION AND BACKFILL:

1. THE CONTRACTOR SHALL SUBMIT TO THE OWNERS REPRESENTATIVE, A REMOVAL SCHEDULE, AND A TEMPORARY SHORING PLAN AS MAY BE REQUIRED FOR DEMOLITIONS AND REMOVALS. THE TEMPORARY SHORING PLAN SHALL BE DESIGNED AND PREPARED BY A LICENSED PROFESSIONAL ENGINEER. THE CONTRACTOR SHALL NOT COMMENCE WORK WITHOUT APPROVAL FROM THE OWNERS REPRESENTATIVE OF THE DEMOLITION AND REMOVAL SCHEDULE AND THE TEMPORARY SHORING PLAN.

2. WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR THOSE ITEMS.

3. EXCAVATION SHALL INCLUDE REMOVAL OF PAVEMENTS, FOUNDATIONS, AND ALL OTHER MATERIALS INCLUDING ROCK, IF ENCOUNTERED.

4. EXCAVATIONS SHALL BE TO ELEVATIONS REQUIRED FOR INSTALLATION OF PERMANENT CONSTRUCTION WITHOUT DISTURBANCE TO SUBGRADE BELOW SUCH ELEVATIONS.

5. BACKFILLING SHALL INCLUDE FILLING OF EXCAVATIONS MADE FOR CONSTRUCTION PURPOSES, EXTENDING TO EXISTING OR DESIGN GRADE.

6. ALL TRUCKS USED TO TRANSPORT EXCAVATED MATERIALS SHALL BE TARPED PURSUANT TO THE APPLICABLE NYSDOT AND NYCDOT REQUIREMENTS OR APPLICABLE REGULATORY AGENCY REQUIREMENTS.

7. BACKFILL SHALL BE PLACED IN EIGHT INCH MAXIMUM LOOSE LIFTS AND COMPACTED TO PROVIDE 95% OF MAXIMUM DRY DENSITY PER ASTM D-1556. MOISTURE CONTENT SHALL BE MAINTAINED WITHIN A RANGE OF PLUS OR MINUS 2% OF OPTIMUM.

8. ALL BACKFILL MATERIAL WILL BE AS SHOWN ON PLANS AND MEET THE REQUIREMENTS STATED IN THE CORRESPONDING SPECIFICATION.

9. CONTRACTOR IS RESPONSIBLE FOR UTILITY MARK-OUT AND IDENTIFICATION PRIOR TO CONSTRUCTION ACTIVITIES.

10. CONTRACTOR IS RESPONSIBLE FOR TESTING AND DISPOSAL OF NON-HAZARDOUS, HISTORIC FILL THAT MAY BE ENCOUNTERED ON SITE AT NO ADDITIONAL COST TO THE OWNER.

STRUCTURAL STEEL:

1. STEEL CONSTRUCTION SHALL CONFORM TO AISC "STEEL CONSTRUCTION MANUAL", FOURTEENTH EDITION, AND SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AS ADOPTED MARCH 18, 2005.

2. MATERIALS FOR STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
   ANGLES, PLATES, AND MISCELLANEOUS SHAPES ASTM A36

3. GALVANIZING: WHERE STEEL PRODUCTS ARE SPECIFIED TO BE GALVANIZED, THEY SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION, IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE SPECIFICATIONS AND OTHER REQUIREMENTS LISTED BELOW:
   A. SPECIFICATIONS FOR ZINC (HOT-GALVANIZED) COATINGS ON PRODUCTS FABRICATED FROM ROLLED, DRESSED AND FORGED STEEL SHAPES, PLATES AND STRIP - ASTM A123, GR 100.
   B. SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE - ASTM A153.
   C. SPECIFICATION FOR ZINC COATING (HOT-DIP) ON ASSEMBLED STEEL PRODUCTS - ASTM A386.
   D. THE ZINC COATING SHALL WEIGH NOT LESS THAN 2 OUNCES PER SQUARE FOOT.
   E. ZINC DUST-ZINC OXIDE PRIMER CONFORMING TO MILITARY SPECIFICATION MIL-P-21035 SHALL BE APPLIED IN 2 COATS FOR REPAIRS TO DAMAGED SURFACES AFTER REMOVAL OF LOOSE OR CRACKED ZINC COATING.
   F. PRIOR TO GALVANIZING, ALL WELDED CONNECTIONS SHALL BE SEALED ALL AROUND WITH A SEAL WELD. BOLTED CONNECTIONS SHALL NOT BE MADE PRIOR TO GALVANIZING.

4. ALL BOLTED CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR 490 BOLTS" UNLESS OTHERWISE DETAILED.

5. STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH TWO (2) COATS OF TNEMEC HI-BUILD TNEME TAR SERIES 46H-413 POLYAMIDE EPOXY-COAL TAR OR APPROVED EQUAL. STEEL SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SSPC10 NEAR WHITE BLAST CLEANING. TOUCH-UP ABRADED AND DAMAGED AREAS IN THE FIELD IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. MINIMUM DRY FILM THICKNESS PER COAT = 8.0 MILS. MINIMUM DRY FILM THICKNESS TOTAL = 16.0 MILS.

6. ALL HOLES IN STRUCTURAL STEEL SHALL BE DRILLED, NOT BURNED.

7. ALL BOLTED CONNECTIONS SHALL BE PROVIDED WITH ASTM F3125 GRADE A325 HEAVY HEX BOLTS WITH NUTS AND WASHERS UNLESS OTHERWISE NOTED.

8. ALL SHOP DRAWINGS SHALL CLEARLY INDICATE SEPARATION OF DISSIMILAR METALS, WHERE RELIABLE SEPARATION IS NOT POSSIBLE. THE SMALLER ELEMENT SHALL BE THE NOBLER METAL.

STEEL PIPE PILES:

1. STEEL PIPE PILES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
   A. STEEL PIPE PILES SHALL CONFORM TO ASTM A252 GR. 3 (MIN Fy=45 ksi).
   B. LOAD TESTS ARE TO BE IN ACCORDANCE WITH 2014 NYC BUILDING CODE SECTION 1808.4.1.1.
   C. ALL PILES SHALL BE DRIVEN OPEN-ENDED UNLESS OTHERWISE NOTED.

2. FILL ALL PILES WHERE SPECIFIED WITH CONCRETE AFTER THEY HAVE BEEN INSTALLED TO REQUIRED CAPACITY. PROVIDE MINIMUM CONCRETE STRENGTH (f'c) AS SHOWN ON PLANS. CONTRACTOR TO VERIFY ALL PILES ARE FREE OF ANY FILL OR DEBRIS PRIOR TO PLACING CONCRETE.

3. STEEL PIPE PILES SHALL BE SHOP PAINTED WITH TWO (2) COATS OF TNEMEC HI-BUILD TNEME TAR SERIES 46H-413 POLYMIDE EPOXY-COAL TAR OR APPROVED EQUAL PRIOR TO DRIVING. STEEL SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SSPC SP10 NEAR WHITE BLAST CLEANING. TOUCH UP ABRADED AND DAMAGED AREAS IN THE FIELD IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. MINIMUM DRY FILM THICKNESS PER COAT = 8.0 MILS. PIPE PILES SHALL BE COATED FROM APPROXIMATELY 15 FT BELOW MUDLINE/GRADE TO TOP OF PILE.

4. THE CONNECTION OF PILE SECTIONS SHALL DEVELOP THE FULL BENDING CAPACITY OF THE PILE. PILE SPLICES SHALL BE COMPLETED WITH PREQUALIFIED COMPLETE JOINT PENETRATION GROOVE WELDS. CONTRACTOR TO PROVIDE AND SUBMIT CONNECTION DETAILS AND CALCULATIONS SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK FOR APPROVAL.

PILE DRIVING:

1. PILES SHALL BE DRIVEN IN THE PRESENCE OF A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF NEW YORK. BLOWS PER FOOT, PILE ENERGY AND DEPTH OF PILE SHALL BE RECORDED AND SUBMITTED TO THE OWNER AND ENGINEER OF RECORD BY THE SUPERVISING PROFESSIONAL ENGINEER.

2. MAXIMUM ALLOWABLE DEVIATION FOR PILES SHALL BE THREE (3) INCHES IN EACH DIRECTION. CONTRACTOR SHALL PROVIDE SURVEY OF "AS-BUILT" PILE LOCATIONS INDICATING NORTH-SOUTH AND EAST-WEST OUT OF TOLERANCE DIMENSIONS FROM THE THEORETICAL PILE CENTERLINE. PILES WHICH ARE OUT OF TOLERANCE OR DO NOT ACHIEVE THE REQUIRED STRENGTH WILL BE SUBJECT TO REDESIGN. THE ENGINEERING COSTS OF THE REDESIGN, ADDITIONAL PILES AND ADDITIONAL PILE CAP COST SHALL BE BORNE BY THE CONTRACTOR.

3. STEEL PIPE PILES SHALL HAVE MAXIMUM SWEEP OF 1½" OVER THE LENGTH AS DELIVERED ON SITE.

4. IF REFUSAL OR ANY OBSTRUCTIONS ARE ENCOUNTERED PRIOR TO REACHING THE REQUIRED MINIMUM ALLOWABLE CAPACITY AND EMBEDMENT, NOTIFY ENGINEER IMMEDIATELY.

6. STEAM, PNEUMATIC, DIESEL, OR VIBRATORY HAMMER MAY BE USED TO DRIVE ALL PILING. ANY MATERIAL WHICH STOPS THE DRIVING INCLUDING EXISTING PILE STUBS SHALL BE REMOVED BY THE CONTRACTOR.

7. STEEL PILES SHALL BE PROTECTED FROM CORROSION, DEFORMATION, AND OTHER TYPES OF DAMAGE.

8. THE CONTRACTOR SHALL PERFORM PDA AND CAPWAP ANALYSIS TO DEMONSTRATE THE REQUIRED PILE CAPACITY CRITERIA. ANALYSIS RESULT SHALL BE SUBMITTED TO ENGINEER OF RECORD FOR REVIEW.

9. A MINIMUM OF FIVE (5) PILES ARE REQUIRED TO BE TESTED WITH PDA'S. PILES CAN BE PRODUCTIONS PILES IF THE REQUIRED CAPACITIES ARE MET. A PILE DRIVING ANALYZER SHALL BE ATTACHED TO THE PILE IN ACCORDANCE WITH ASTM D4945.

10. CONTRACTOR SHALL PERFORM WAVE EQUATION ANALYSIS OF PILE DRIVING (WEAP) TO DEMONSTRATE THE REQUIRED PILE CAPACITY AND/OR EMBEDMENT SHALL BE ACHIEVED WITH THE SELECTED PILE DRIVING HAMMER. THE FINAL DRIVING CRITERIA AND WEAP ANALYSIS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.

11. CONTRACTOR SHALL SUBMIT PROPOSED PILE DRIGING EQUIPMENT, WEAP ANALYSIS AND PILE FALSEWORK AS NECESSARY TO THE ENGINEER FOR REVIEW AND APPROVAL.

12. STEEL PIPE PILES SHALL BE DRIVEN TO THE TIP ELEVATIONS SHOWN IN THE CONTRACT DRAWINGS AND TO AN ALLOWABLE AXIAL CAPACITY OF 60 TONS (120 TONS ULTIMATE).

WELDING:

1. ALL WELDING AND FABRICATION SHALL CONFORM WITH THE AMERICAN WELDING SOCIETY (AWS) REQUIREMENTS AND GUIDELINES.

2. ALL WELDERS SHALL BE CERTIFIED BY AWS GUIDELINES.

3. UNLESS OTHERWISE INDICATED, ALL FILLET WELDS SHALL BE CONTINUOUS AND DOUBLE SIDED. ALL BUTT WELDS SHALL BE COMPLETE PENETRATIONS WELDS.

4. ALL WELDS SHALL BE SUBJECT TO NON DESTRUCTIVE TESTING AT THE DISCRETION OF THE ENGINEER OF RECORD AND AT THE CONTRACTOR'S COST.

5. ALL ELECTRODES USED SHALL COMPLY WITH ABS OR AWS SPECIFICATION AND SHALL BE E70XX LOW HYDROGEN.

6. ANY DEFECTS SHALL BE CORRECTED IN ACCORDANCE WITH AWS RULES AT NO ADDITIONAL COST TO THE OWNER.

CONCRETE:

1. ALL CONCRETE WORK SHALL CONFORM TO REQUIREMENTS OF THE ACI BUILDING CODE REQUIREMENT FOR STRUCTURAL CONCRETE (ACI 318-14).

2. ALL CONCRETE SHALL BE AIR ENTRAINED, 6% ± 1.5% BY VOLUME, FOR 3/4" COARSE AGGREGATE. NO CARBONACEOUS AGGREGATES SHALL BE USED.

3. ALL CONCRETE SHALL BE MIXED, TRANSPORTED AND PLACED IN ACCORDANCE WITH ACI STANDARDS 318 AND 304.

4. FOLLOW ACI STANDARD 211.1 FOR MIXING WATER REQUIREMENTS.

5. ALL CONCRETE SHALL HAVE COMPRESSIVE STRENGTH Fc' = 5000 PSI AT 28 DAYS WITH A MAXIMUM W/C RATIO OF 0.45 UNLESS NOTED OTHERWISE ON SCHEDULES OR NOTES.

6. MAXIMUM CONCRETE SLUMP SHALL BE 4", PRIOR TO THE ADDITION OF PLASTICIZING ADMIXTURES.

7. TEST CYLINDERS SHALL BE TAKEN FROM THE MIXER IN ACCORDANCE WITH ASTM C172. TESTING SHALL OCCUR:
   - EVERY 50 CY OR THE FIRST DELIVERY EACH DAY OF POURING

8. CONSTRUCTION JOINTS SHALL BE NO MORE THAN 40 FT. ON CENTER, UNLESS OTHERWISE NOTED.

9. ALL CONCRETE SHALL HAVE CORROSION INHIBITOR ADMIXTURE AT DOSAGE RATE OF 4 GAL/CY. THE CONTRACTOR SHALL SUBMIT PRODUCT DATA TO THE ENGINEER OF RECORD FOR APPROVAL.

PRECAST CONCR

MINIMUM DEVELOPMENT LENGTH SCHEDULE						
F'C=5000 PSI		FY=60000 PSI		HOT-DIP GALVANIZED REINFORCING		
BAR SIZE	ℓ d TOP (in)	ℓ d TOP	ℓ d (in)	ℓ d	ℓ dh (in)	ℓ dh (ft)
#3	17	1'-5"	13	1'-1"	7	0'-7"
#4	23	1'-11"	17	1'-5"	9	0'-9"
#5	35	2'-11"	22	1'-10"	11	0'-11"
#6	42	3'-6"	26	2'-2"	13	1'-1"
#7	49	4'-1"	38	3'-2"	15	1'-3"
#8	56	4'-8"	43	3'-7"	17	1'-7"
#9	63	5'-3"	48	4'-0"	20	1'-8"
#10	71	5'-11"	54	4'-6"	22	1'-10"
#11	78	6'-6"	60	5'-0"	24	2'-0"
#14	94	7'-10"	72	6'-0"	29	2'-5"
#18	125	10'-5"	96	8'-0"	39	3'-3"

TIDAL DATA				
	MHHW	NAVD88	NGVD29	MLLW
DESIGN FLOOD ELEVATION (DFE) (FEMA PFIRM BFE + 1' FREEBOARD + 28" SEA LEVEL RISE)	14.14	16.33	17.43	18.96
FEMA BASE FLOOD ELEVATION (PFIRM BFE - ZONE AE)	10.81	13.00	14.10	15.63
HIGHEST OBSERVED WATER LEVEL (HOWL) (HURRICANE SANDY - 10/30/2012, LOCAL TIME 01:12)	8.99*	11.27*	12.37*	14.04*
500-YEAR RETURN PERIOD STILLWATER ELEVATION	11.71	13.90	15.00	16.53
100-YEAR RETURN PERIOD STILLWATER ELEVATION	8.71	10.90	12.00	13.53
50-YEAR RETURN PERIOD STILLWATER ELEVATION	7.51	9.70	10.80	12.33
10-YEAR RETURN PERIOD STILLWATER ELEVATION	4.81	7.00	8.10	9.63
MEAN HIGH WATER SPRING (MHWS)	0.17	2.36	3.45	4.99
MEAN HIGHER-HIGH WATER (MHHW)	0.00	2.19	3.29	4.82
MEAN HIGH WATER (MHW)	-0.34	1.85	2.95	4.48
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)	-2.19	0.00	1.10	2.63
LOCAL MEAN SEA LEVEL (LMSL)	-2.40	-0.21	0.89	2.42
MEAN DIURNAL TIDE LEVEL (DTL)	-2.41	-0.22	0.88	2.41
MEAN TIDE LEVEL (MTL)	-2.47	-0.28	0.82	2.36
NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29)	-3.29	-1.10	0.00	1.54
MEAN LOW WATER (MLW)	-4.59	-2.40	-1.31	0.23
MEAN LOWER-LOW WATER (MLLW)	-4.82	-2.63	-1.54	0.00
LOWEST OBSERVED WATER LEVEL (LOWL - 02/02/1976)	-10.65*	-7.06*	-5.97*	-3.20*

NOTES:

1. WATER ELEVATIONS BASED ON NOAA VDATUM V. 3.9 "NEW JERSEY/NEW YORK/CONNECTICUT – NORTHERN NJ, NY HARBOR, WESTERN LONG ISLAND SOUND, V. 3.9".
2. * INDICATES TIDAL DATA TAKEN FROM NOAA TIDAL LEVEL BENCHMARKS AT THE BATTERY, NY - STATION 8518750 (PRESENT EPOCH 1983-2001):

   LONGITUDE: 73°57'42.13"W

   LATITUDE: 40°43'52.41"N
3. SEA LEVEL RISE ADJUSTMENT OF 28" IS FOR NON-CRITICAL FACILITIES WITH AN END OF USEFUL LIFE THROUGH 2080S (2070-2099). (TABLE 4 OF NYC CLIMATE RESILIENCY DESIGN GUIDELINES, V4.0, SEPTEMBER 2020).
4. RETURN PERIOD STILLWATER ELEVATIONS BASED ON FEMA FLOOD INSURANCE STUDY, CITY OF NEW YORK, NEW YORK, DECEMBER 2013.

ABBREVIATIONS:

ADD'L.	ADDITIONAL
ALT.	ALTERNATE
ARCH.	ARCHITECTURAL
BOT.	BOTTOM
BS	BOTTOM OF SLAB
CLR.	CLEAR
CL.	CENTERLINE
CONC.	CONCRETE
CONST.	CONSTRUCTION
DIA. OR Ø	DIAMETER
DWG.	DRAWING
EA.	EACH
EE.	EACH END
EF.	EACH FACE
EL. OR ELEV.	ELEVATION
EQ.	EQUAL
EW	EACH WAY
EXIST.	EXISTING
EXP. JT.	EXPANSION JOINT
FIN.	FINISH
FT. OR '	FEET OR FOOT
FTG.	FOOTING
Fy.	YIELD STRESS
GALV.	GALVANIZED
GR.	GRADE
HOR.	HORIZONTAL
HT.	HEIGHT
IN. OR "	INCHES
INV.	INVERT
KSI.	KIPS PER SQUARE INCHES
LONG.	LONGITUDINAL
MAX.	MAXIMUM
MHHW	MEAN HIGHER HIGH WATER
MHW	MEAN HIGH WATER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MLLW	MEAN LOWER LOW WATER
MLW	MEAN LOW WATER
NAVD88	NORTH AMERICAN VERTICAL DATUM
NGVD29	NATIONAL GEODETIC VERTICAL DATUM
N.T.S.	NOT TO SCALE
NYCDEP	NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
PL	PLATE
PSI.	POUNDS PER SQUARE INCH
PSF.	POUNDS PER SQUARE FOOT
R	RADIUS
REINF.	REINFORCING
REF.	REFERENCE
REQD.	REQUIRED
SECT.	SECTION
SIM.	SIMILAR
S.O.G.	SLAB ON GRADE
SS	STAINLESS STEEL
STA	STATION
STRUCT.	STRUCTURE
SYMM.	SYMMETRICAL
S.W.	SHORT WAY
T	TOP
THK. OR THKNS.	THICK OR THICKNESS
T.O.	TOP OF
T.S.	TOP OF SLAB
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
VAR.	VARIES
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
W/	WITH
WP	WORK POINT
WWF	WELDED WIRE FABRIC

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STATE OF NEW YORK · CRAIG PAUL PLATE · 039297 · LICENSED PROFESSIONAL ENGINEER

DOB # BOO539478-S7

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1 JAVA OWNER LLC
200 PARK AVE, 9TH FL., NEW YORK, NY 10166

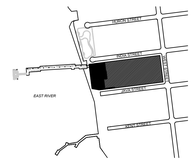
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CRAUL LAND SCIENTISTS (SOILS)
282 WHITEMAN DRIVE, CENTRE HALL, PA 16828
NORTHERN DESIGNS LLC (IRRIGATION)
2089 HARTFORD TPKE, NORTH HAVEN, CT 06473

KEY PLAN



SEAL

NYC BUILDINGS
Eric Cheng
APPROVED
Date: 06/29/2023

JAMES CORNER
REG. NO.: **LA6667253**

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REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

PROJECT NAME
01 JAVA STREET
1 JAVA STREET
BROOKLYN, NY 11211

JCFO PROJ.#
1714

PROJECT PHASE
CONSTRUCTION DOCUMENTS

DESIGNED BY: CMS
DRAWN BY: EHC
CHECKED BY: VCC

SCALE NORTH

VERT: AS NOTED
HORZ: AS NOTED

SHEET TITLE
SITE STRUCTURAL GENERAL NOTES - 2

SHEET NUMBER
WSS-002.00

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ORIGINAL SHEET SIZE: 30" X 48"

FILE NAME: P:\ny\20032\01069.02\10_Dwgs\CAD\WSS-001 General Notes.dwg PLOT TIME: Fri, 30 Sep 2022 - 4:01pm LAST SAVE: Wed, 28 Sep 2022 - 3:20pm BY: echu



PROPOSED SITE PLAN

0 10' 20'
1"=10'

NOTES:
1. ALL ELEVATIONS SHOWN IN NAVD88.
2. SITE SURVEY PROVIDED BY CONTROL POINT ASSOCIATES INC. P.C. ON FEBRUARY 14, 2017 AND REVISED ON FEBRUARY 21, 2017.
3. ALL WATERLINES WERE TAKEN FROM A CONTROL POINT ASSOCIATES INC. SURVEY PERFORMED ON FEBRUARY 14, 2017 AND REVISED ON FEBRUARY 21, 2017.
4. PROPOSED BULKHEAD LOCATION SHOWN FOR REFERENCE.
5. EXCAVATION DEPTH SHALL NOT EXCEED 5 FEET.
6. ALL EXPOSED CONCRETE SHALL RECEIVE ARCHITECTURAL FINISH AS NOTED IN THE SPECIFICATIONS.
7. TOP OF GRADE BEAM ELEVATIONS VARY, SEE GRADING PLAN ON WL DRAWINGS FOR FINISH ELEVATIONS.
8. SEE TABLE ON DETAIL F ON WSS-502 FOR THE TOP OF SLAB ELEVATIONS AT THE MANHOLE LOCATIONS.

LEGEND:
- U.S. BULKHEAD LINE
- PROPERTY AND LOTS LINES
- NEW BULKHEAD
- PROPOSED 12.75"Ø x ⅜" WALL, CONCRETE FILLED (F'c=5,000 PSI) STEEL PIPE PILE DRIVEN TO 60 TON ALLOWABLE CAPACITY (120 TON ULTIMATE) (TYP.)
- CONSTRUCTION JOINT
- LIMIT OF WPAA
- OPENING IN STRUCTURAL SLAB
- MH1 MANHOLE NUMBER

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lendlease

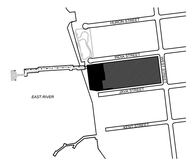
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KEY PLAN:


SEAL:
NYC DEPARTMENT OF BUILDINGS
Eric Cheng
APPROVED
Date: 06/29/2023

JAMES CORNER
REG. NO: **LA6667253**

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VERT: 1" = 10'
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PROPOSED SITE PLAN

SHEET NUMBER
WSS-101.00

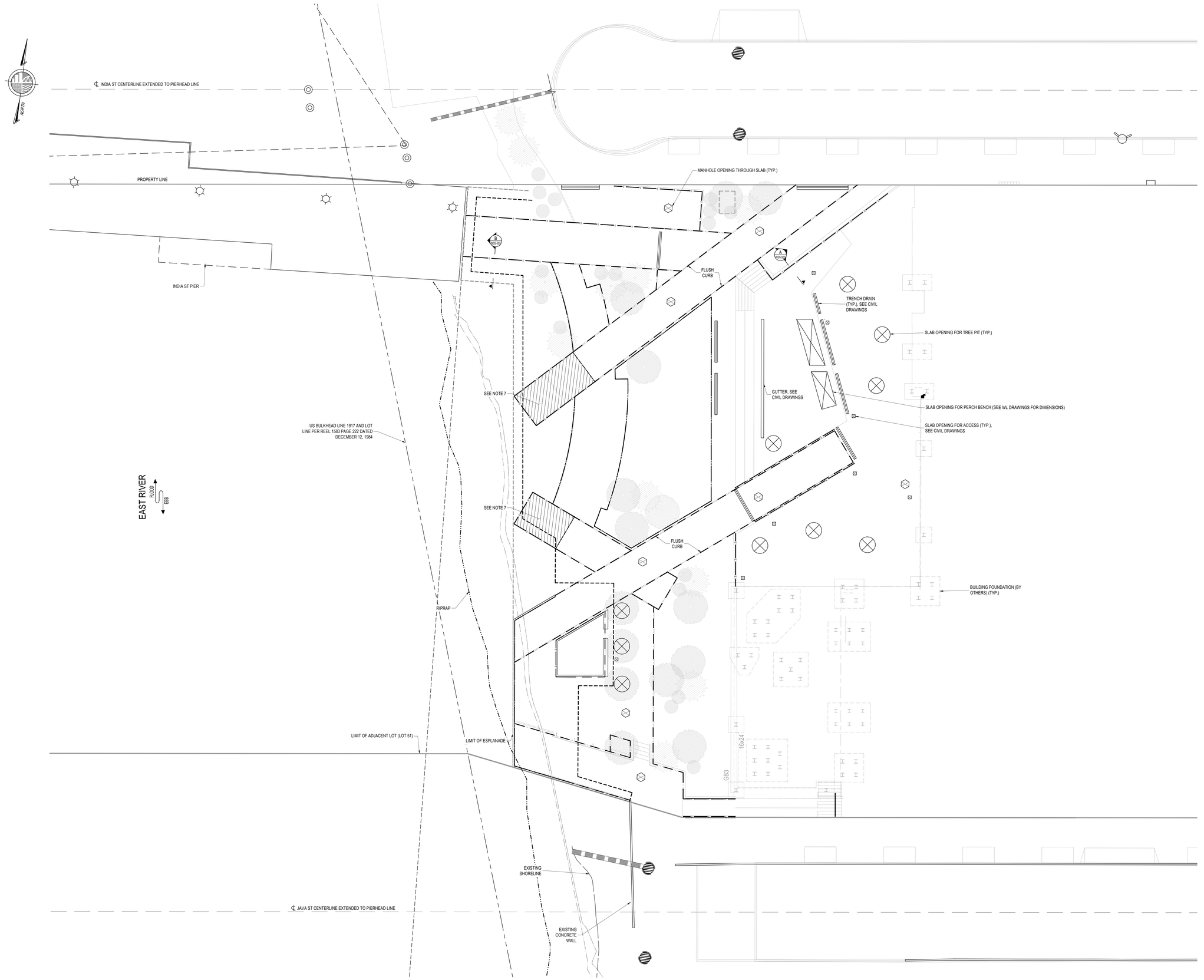
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DOB # BO0539478-S7

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ORIGINAL SHEET SIZE: 36" X 48"

FILE NAME: P:\Proj\2020\01069\02\10_Dwgs\CAD\WSS-101 Proposed Site Plan.dwg PLOT TIME: Fri, 30 Sep 2022 - 4:01pm LAST SAVE: Fri, 30 Sep 2022 - 12:52pm BY: ezhu



CURB AND WALL PLAN

0 10' 20'
1"=10'

NOTES:
1. ALL ELEVATIONS SHOWN IN NAVD88.
2. SITE SURVEY PROVIDED BY CONTROL POINT ASSOCIATES INC. P.C. ON FEBRUARY 14, 2017 AND REVISED ON FEBRUARY 21, 2017.
3. ALL WATERLINES WERE TAKEN FROM A CONTROL POINT ASSOCIATES INC. SURVEY PERFORMED ON FEBRUARY 14, 2017 AND REVISED ON FEBRUARY 21, 2017.
4. PROPOSED BULKHEAD LOCATION SHOWN FOR REFERENCE.
5. EXCAVATION DEPTH SHALL NOT EXCEED 5 FEET.
6. ALL EXPOSED CONCRETE SHALL RECEIVE ARCHITECTURAL FINISH AS NOTED IN THE SPECIFICATIONS.
7. MARINE STRUCTURAL CONCRETE IN THIS AREA TO MATCH ARCHITECTURAL CONCRETE IN FINISH AND COLOR.
8. REFERENCE CIVIL DRAWINGS FOR EXACT TRENCH LOCATIONS.

LEGEND:
- U.S. BULKHEAD LINE
- PROPERTY AND LOTS LINES
- NEW BULKHEAD
- CONSTRUCTION JOINT
- LIMIT OF WPAA
- PRECAST CONCRETE CURB
- CIP CURB/WALL WITH ARCHITECTURAL CONCRETE
- CIP CURB/WALL WITH MARINE CONCRETE AND ARCHITECTURAL FINISH
- OPENING IN STRUCTURAL SLAB

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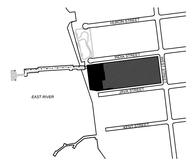
M. G. McLaren Engineering and Land Surveying P.C.
530 Chestnut Ridge Road
Woodcliff Lake, NJ 07677
T: 201.775.6000 www.mgmclaren.com

LANDSCAPE ARCHITECT:
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR, NEW YORK, NY 10018

CONSULTANTS:

FOR REFERENCE:
MARVEL ARCHITECTS (ARCHITECT)
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ONE LUX STUDIO (LIGHTING DESIGNER)
158 W. 29TH ST., 10TH FL., NEW YORK, NY 10001
LANGAN (CIVIL R.O.W.)
360 W 31ST STREET, 8TH FL., NEW YORK, NY 10001
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NORTHERN DESIGNS LLC (IRRIGATION)
2089 HARTFORD TPKE, NORTH HAVEN, CT 06473

KEY PLAN:



SEAL:

Eric Cheng
APPROVED
Date: 06/29/2023

DOB # BO0539478-S7

JAMES CORNER
REG. NO: **LA6667253**

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REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

PROJECT NAME:
01 JAVA STREET
1 JAVA STREET
BROOKLYN, NY 11211

JCFO PROJ.#
1714

PROJECT PHASE:
CONSTRUCTION DOCUMENTS

DESIGNED BY: CMS
DRAWN BY: EHC
CHECKED BY: VOC

SCALE NORTH

VERT: AS NOTED
HORZ: AS NOTED

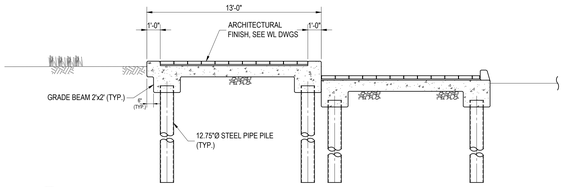
SHEET TITLE:
CURB AND WALL PLAN

SHEET NUMBER:
WSS-102.00

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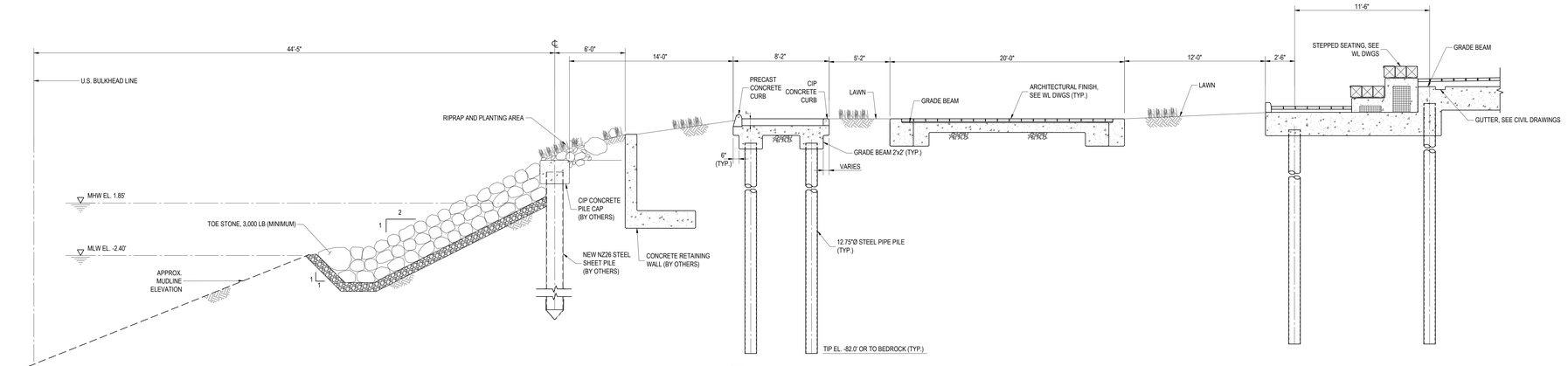
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FILE NAME: P:\ms2020\2010692\010_Dwgs\CAD\WSS-102 Curb and Wall Plan.dwg PLOT TIME: Fr, 30 Sep 2022 - 4:01pm LAST SAVE: Fr, 30 Sep 2022 - 12:56pm BY: ehhu



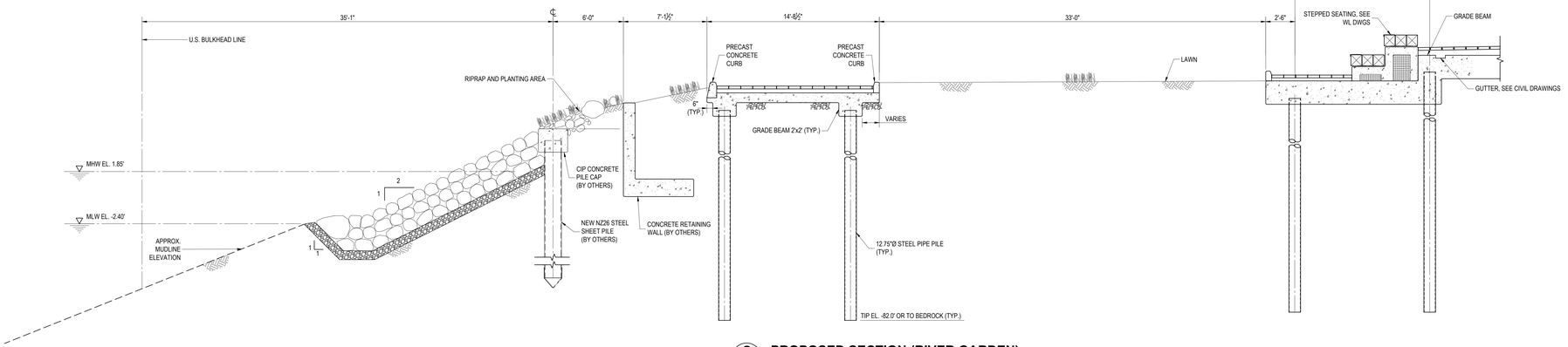
A WSS-201 **PROPOSED SECTION (FERRY LANDING APPROACH)**

1/4" = 1'-0"



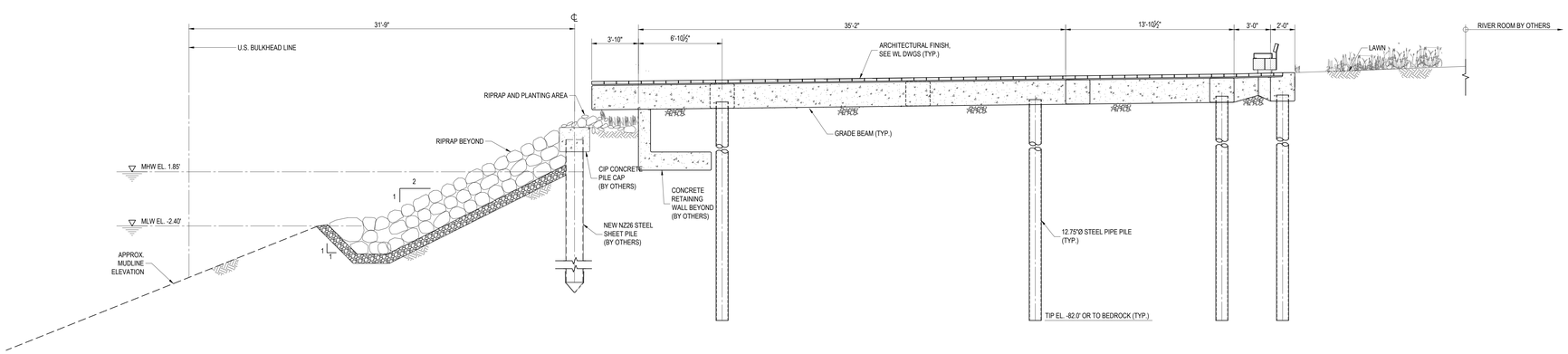
B WSS-201 **PROPOSED SECTION (RIVER GARDEN)**

1/4" = 1'-0"



C WSS-201 **PROPOSED SECTION (RIVER GARDEN)**

1/4" = 1'-0"



D WSS-201 **TYPICAL PATH SECTION**

1/4" = 1'-0"

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FILE NAME: P:\hyp2020\01069.02\10_Dwgs\CAD\WSS-201A302 Proposed Sections.dwg PLOT TIME: Fri, 30 Sep 2022 - 4:02pm LAST SAVE: Fri, 30 Sep 2022 - 3:52pm BY: echu

lendlease

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1 JAVA OWNER LLC
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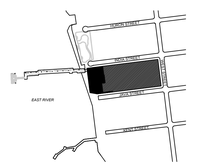
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2089 HARTFORD TPKE, NORTH HAVEN, CT 06473

KEY PLAN:



SEAL:

NYC BUILDINGS
Eric Cheng
APPROVED
Date: 06/29/2023

DOB # BOO539478-S7

JAMES CORNER
REG. NO.: **LA6667253**

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REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

PROJECT NAME:
01 JAVA STREET
1 JAVA STREET
BROOKLYN, NY 11211

JCFO PROJ.#
1714

PROJECT PHASE:
CONSTRUCTION DOCUMENTS

DESIGNED BY: CMS
DRAWN BY: EHC
CHECKED BY: VCC

SCALE: NORTH

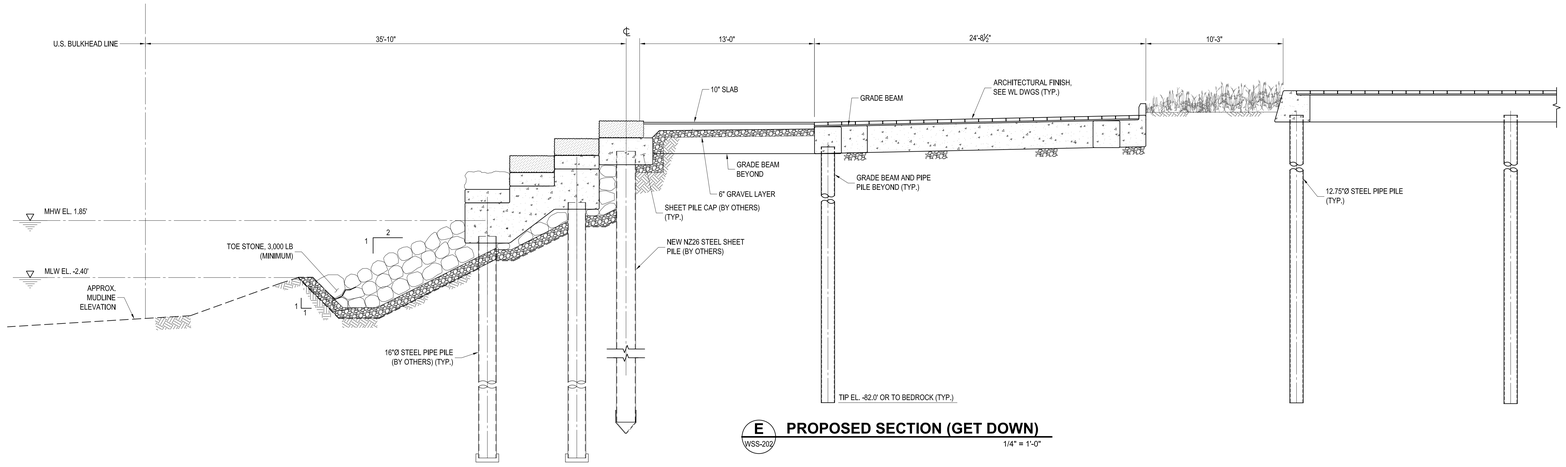
VERT: 1/4" = 1'-0"
HORZ: 1/4" = 1'-0"

SHEET TITLE:
PROPOSED SECTIONS - 1

SHEET NUMBER:
WSS-201.00

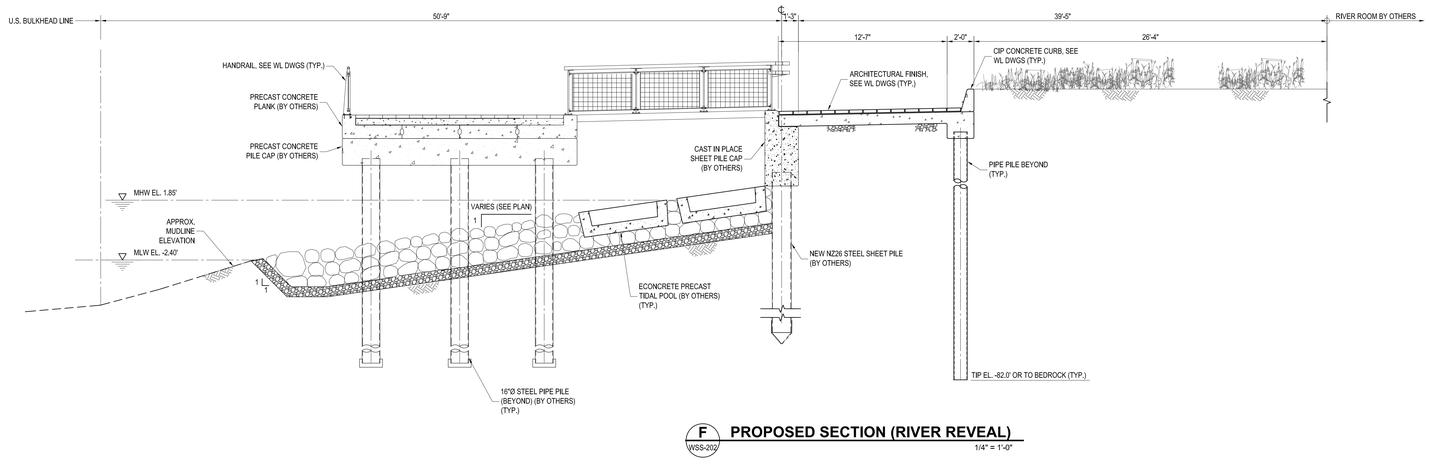
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ORIGINAL SHEET SIZE: 30" X 48"



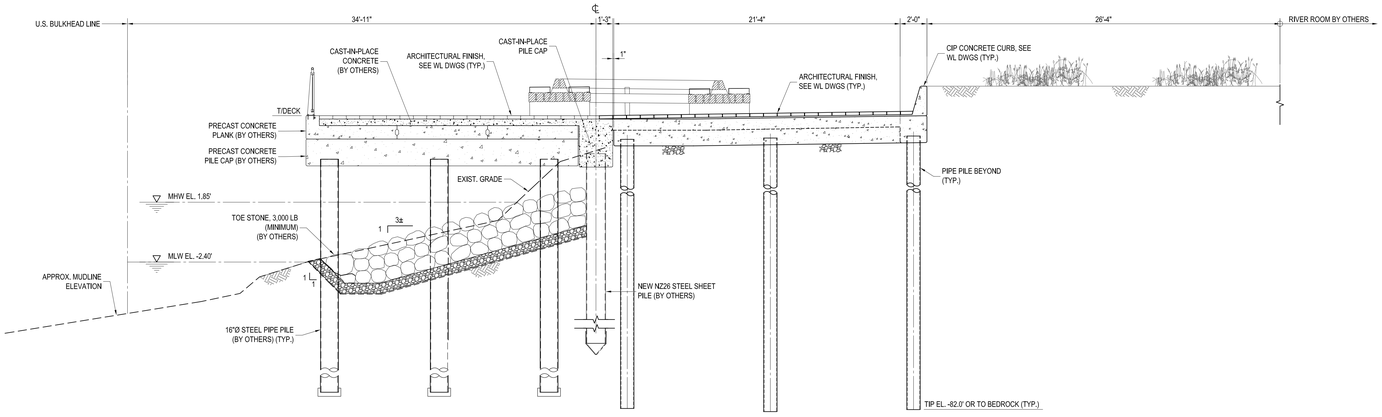
E WSS-202 **PROPOSED SECTION (GET DOWN)**

1/4" = 1'-0"



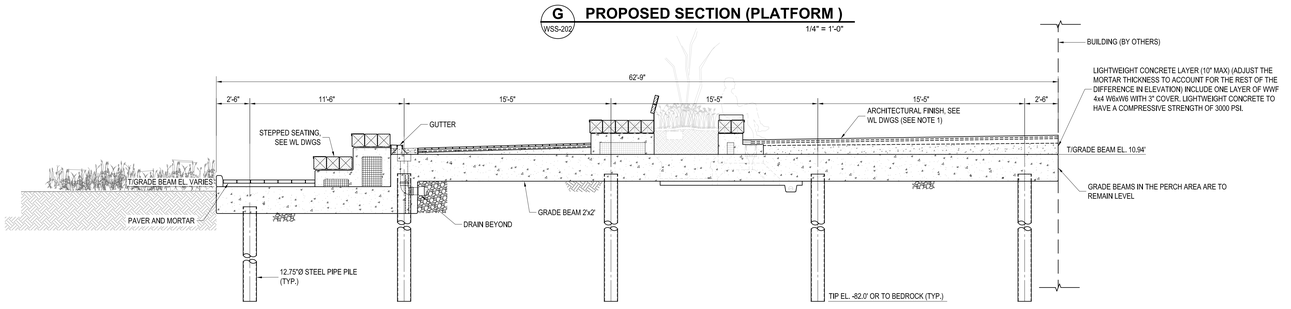
F WSS-202 **PROPOSED SECTION (RIVER REVEAL)**

1/4" = 1'-0"



G WSS-202 **PROPOSED SECTION (PLATFORM)**

1/4" = 1'-0"



H WSS-202 **PROPOSED SECTION (PERCH)**

1/4" = 1'-0"

NOTE:
1. ARCHITECTURAL FINISH AT THE PERCH AREA VARIES, SEE WATERFRONT LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.

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FILE NAME: P:\Proj\2020\2019\93\210_Dwg\CADD\WSS-201&202 Proposed Sections.dwg PLOT TIME: Fri, 30 Sep 2022 - 4:20pm LAST SAVE: Fri, 30 Sep 2022 - 3:52pm BY: ezhu

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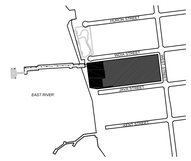
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NORTHERN DESIGNS LLC (IRRIGATION)
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KEY PLAN



SEAL

NYC BUILDINGS
Eric Cheng
APPROVED
Date: 06/28/2023

DOB # B00539478-S7

JAMES CORNER
REG. NO. **LA6667253**

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PROJECT NAME
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1 JAVA STREET
BROOKLYN, NY 11211

JCFO PROJ.#
1714

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CONSTRUCTION DOCUMENTS

DESIGNED BY: CMS
DRAWN BY: EHC
CHECKED BY: VCC

SCALE NORTH

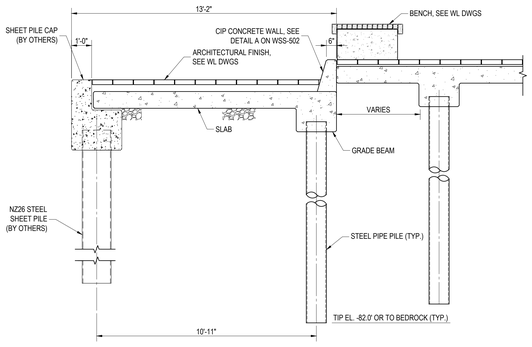
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SHEET TITLE
PROPOSED SECTIONS - 2

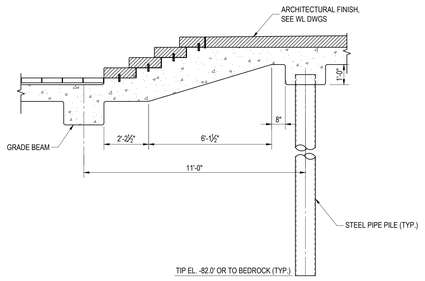
SHEET NUMBER
WSS-202.00

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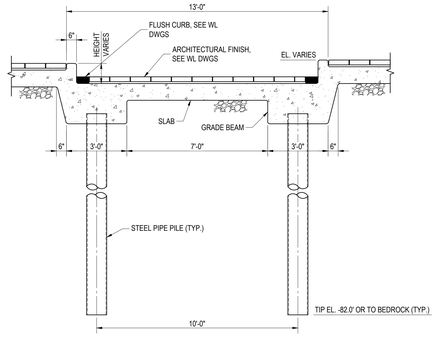
ORIGINAL SHEET SIZE: 30" X 48"



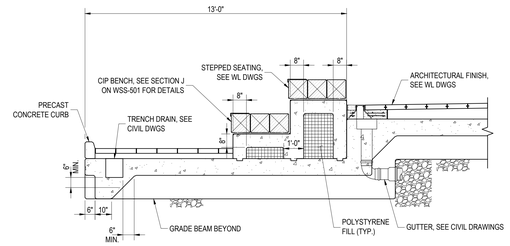
J SECTION
WSS-203 — 3/8" = 1'-0"



K SECTION
WSS-203 — 3/8" = 1'-0"

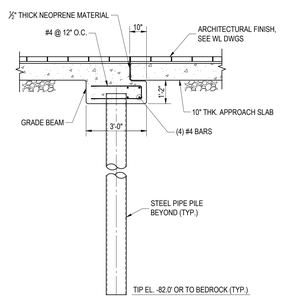


L SECTION
WSS-203 — 3/8" = 1'-0"

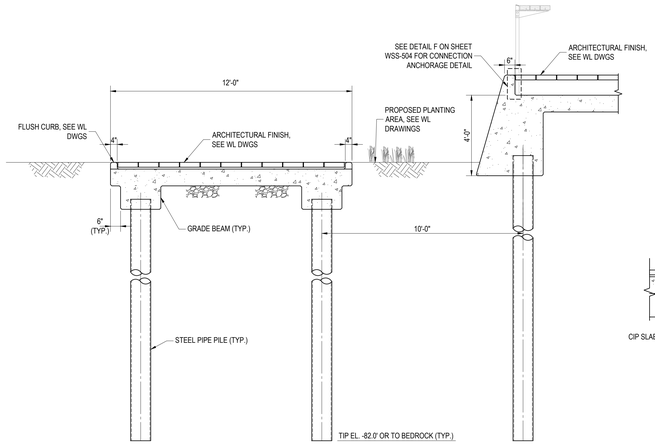


M SECTION
WSS-203 — 3/8" = 1'-0"

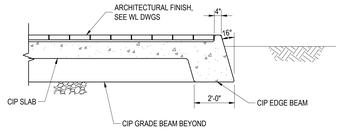
NOTE(S):
1. SEE CIVIL DRAWINGS FOR PITCH REQUIRED IN SLAB TO DRAIN UNDER DECKING AREA.



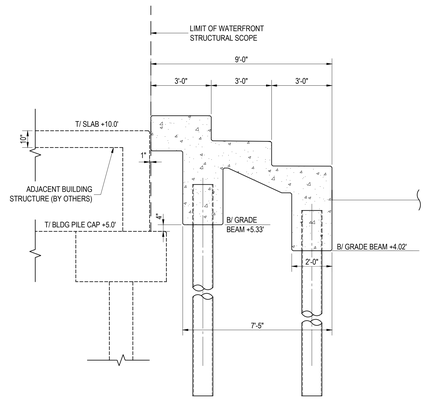
N SECTION AT TRANSITION SLAB
WSS-203 — 3/8" = 1'-0"



P SECTION
WSS-203 — 3/8" = 1'-0"

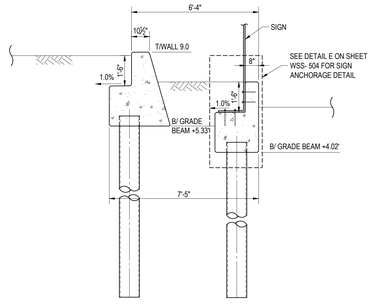


Q SECTION
WSS-203 — 3/8" = 1'-0"

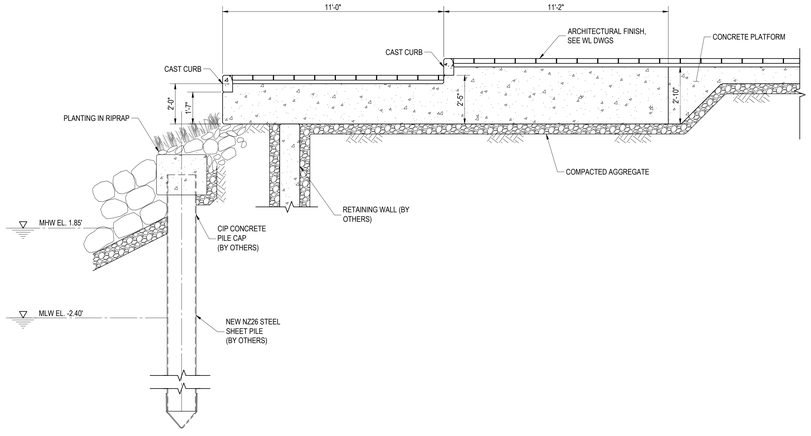


R SECTION
WSS-203 — 3/8" = 1'-0"

NOTE(S):
1. SEATING STEPS ARE TO BE CAST WITH MARINE CONCRETE WITH ARCHITECTURAL FINISH. SEE WL DRAWINGS FOR FINISH REQUIREMENTS.



S SECTION
WSS-203 — 3/8" = 1'-0"



T SLIP PLATFORM SECTION
WSS-203 — 3/8" = 1'-0"

NOTE(S):
1. ALL EXPOSED CONCRETE SURFACES SHALL BE FINISHED IN ACCORDANCE WITH THE MARINE CONCRETE SPECIFICATION.

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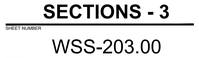
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KEY PLAN:



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Eric Cheng
APPROVED
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DOB # BOO539478-S7

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REG. NO. **LA6667253**

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PROJECT NAME:
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JCFO PROJ.#
1714

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CONSTRUCTION DOCUMENTS

DESIGNED BY: CMS
DRAWN BY: EHC
CHECKED BY: VCC

SCALE — NORTH

VERT: AS NOTED
HORZ: AS NOTED

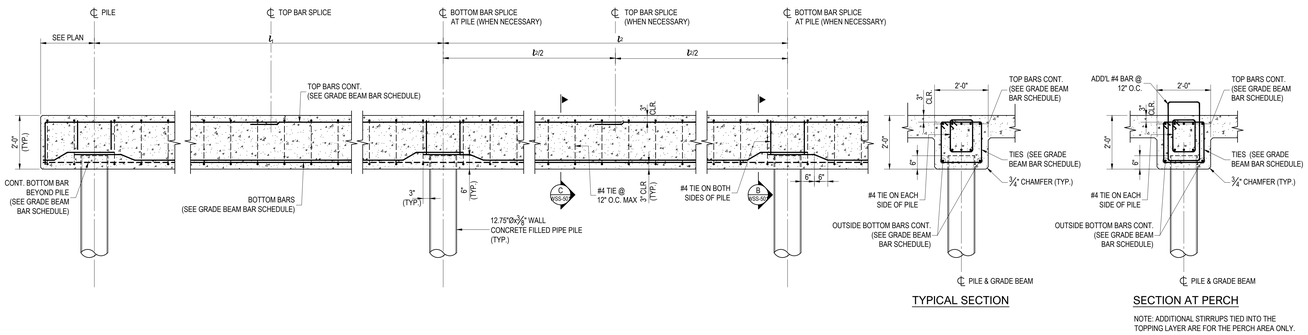
SHEET TITLE
PROPOSED SECTIONS - 3

SHEET NUMBER
WSS-203.00

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A TYPICAL GRADE BEAM DETAIL
WSS-501 — 1/2" = 1'-0"

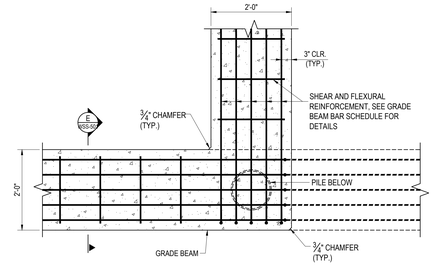
NOTES:
1. SEE GRADE BEAM BAR SCHEDULE FOR TOP AND BOTTOM REINFORCEMENT LAYOUT.
2. ALL LAP SPLICES SHOULD DEVELOP THE FULL TENSILE STRENGTH OF THE BAR TO 1.3 ld.
3. WHERE BOTTOM FULL LENGTH BARS ARE NOTED TO BE CONTINUOUS, PROVIDE LAP SPLICES CENTERED OVER SUPPORT.
8. SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.

GRADE BEAM BAR SCHEDULE			
LABEL	TOP	BOTTOM	TIES
B1	5 #7	5 #7	2 #6

LAP SPLICE SCHEDULE	
REINFORCEMENT SIZE	LAP LENGTH
#6 & SMALLER	42" (MIN.)
#7 & LARGER	60" (MIN.)

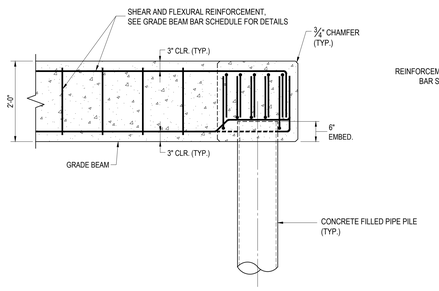
B SECTION
WSS-501 — 1/2" = 1'-0"

C SECTION
WSS-501 — 1/2" = 1'-0"



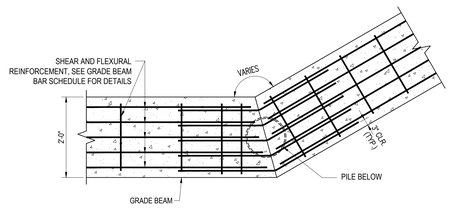
D GRADE BEAM INTERSECTION DETAIL
WSS-501 — 3/4"=1'-0"

NOTE:
SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.



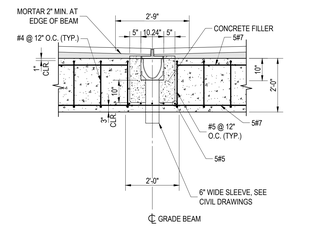
E SECTION
WSS-501 — 3/4"=1'-0"

NOTE:
SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.



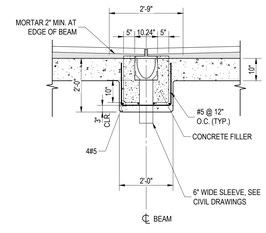
F TYP. REINFORCEMENT DETAIL AT GRADE BEAM ROTATION
WSS-501 — 3/4"=1'-0"

NOTE:
SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.



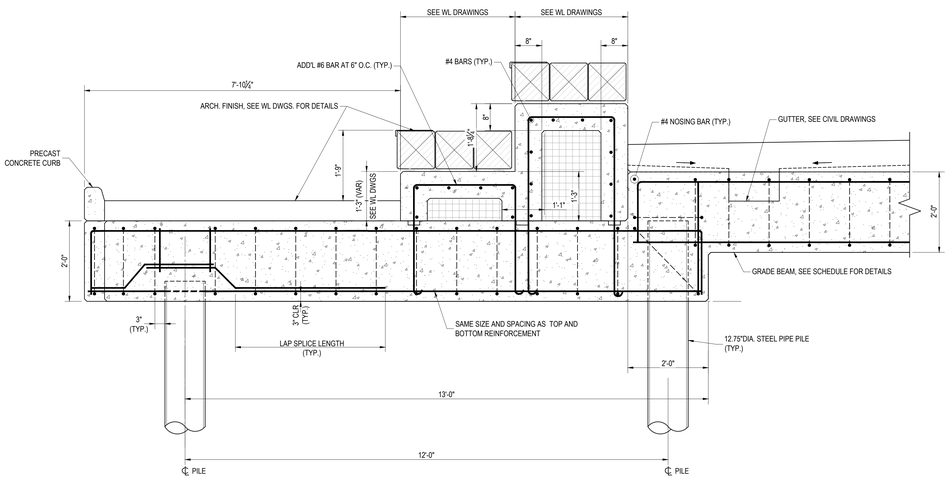
G TRENCH DRAIN AT GRADE BEAM SECTION
WSS-501 — 1/2" = 1'-0"

NOTE:
SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.



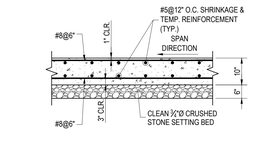
H TRENCH DRAIN SECTION
WSS-501 — 1/2" = 1'-0"

NOTE:
SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.

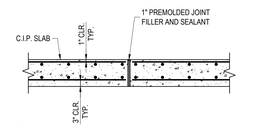


J GRADE BEAM @ STAIR LOCATION
WSS-501 — 3/4"=1'-0"

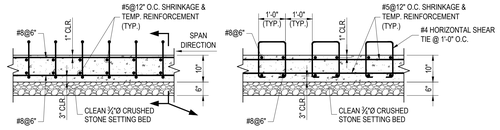
NOTE(S):
1. FOR STAIR TREAD SLOPE, SEE WATERFRONT LANDSCAPE DRAWINGS.



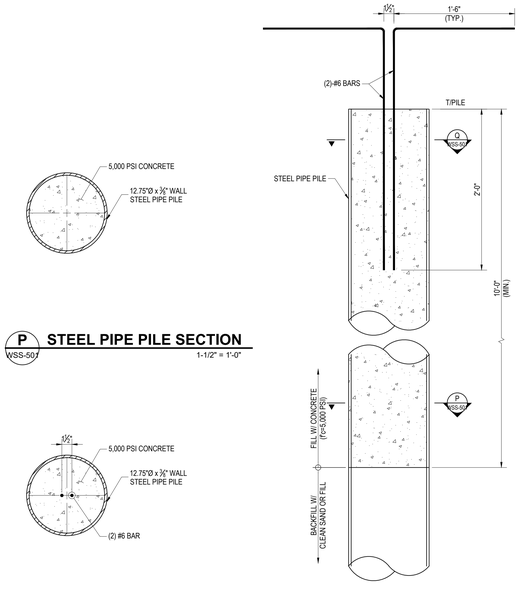
K TYPICAL SLAB SECTION
WSS-501 — 1/2" = 1'-0"



L EXPANSION JOINT DETAIL
WSS-501 — 1/2" = 1'-0"



M SLAB SECTION AT PERCH
WSS-501 — 1/2" = 1'-0"



P STEEL PIPE PILE SECTION
WSS-501 — 1-1/2" = 1'-0"

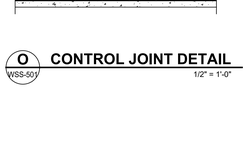
Q STEEL PIPE PILE SECTION
WSS-501 — 1-1/2" = 1'-0"

R STEEL PIPE PILE REINFORCING DETAIL
WSS-501 — 1-1/2" = 1'-0"



N CONSTRUCTION JOINT DETAIL
WSS-501 — 1/2" = 1'-0"

NOTE: CONTRACTOR SHALL INSTALL CONSTRUCTION JOINTS AS NECESSARY. CONTRACTOR SHALL PROVIDE ENGINEER WITH CONSTRUCTION JOINT PLAN FOR REVIEW AND APPROVAL.



O CONTROL JOINT DETAIL
WSS-501 — 1/2" = 1'-0"

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FILE NAME: P:\Proj\2020\2010692\10_Dwgs\CAD\DWGS-501\Typical Details-1.dwg PLOT TIME: Fri, 30 Sep 2022 - 4:02pm LAST SAVE: Fri, 30 Sep 2022 - 1:52pm BY: echiu

lendlease

OWNER:
1 JAVA OWNER LLC
200 PARK AVE, 9TH FL., NEW YORK, NY 10166

McLaren ENGINEERING GROUP
M. G. McLaren Engineering and Land Surveying P.C.
530 Chestnut Ridge Road
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T: 201.775.6000 www.mgmclaren.com

LANDSCAPE ARCHITECT:

JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR, NEW YORK, NY 10018

CONSULTANTS:

FOR REFERENCE:

MARVEL ARCHITECTS (ARCHITECT)
145 HUDSON STREET, NEW YORK, NY 10013

ONE LUX STUDIO (LIGHTING DESIGNER)
158 W. 29TH ST., 10TH FL., NEW YORK, NY 10001

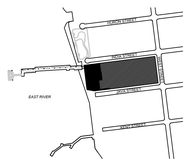
LANGAN (CIVIL R.O.W.)
360 W 31ST STREET, 8TH FL., NEW YORK, NY 10001

OLA ENGINEERS (WATERFRONT ELECTRICAL)
8 W 38TH ST., SUITE 501, NEW YORK, NY 10018

CRAUL LAND SCIENTISTS (SOILS)
282 WHITEMAN DRIVE, CENTRE HALL, PA 16828

NORTHERN DESIGNS LLC (IRRIGATION)
2089 HARTFORD TPKE, NORTH HAVEN, CT 06473

KEY PLAN:



SEAL:

NYC Buildings
Eric Cheng
APPROVED
Date: 06/28/2022

JAMES CORNER
REG. NO: **LA6667253**

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REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

PROJECT NAME:
01 JAVA STREET
1 JAVA STREET
BROOKLYN, NY 11211

JOFO PROJ.#
1714

PROJECT PHASE:
CONSTRUCTION DOCUMENTS

DESIGNED BY: CMS
DRAWN BY: EHC
CHECKED BY: VCC

SCALE NORTH

VERT: AS NOTED
HORZ: AS NOTED

SHEET TITLE
TYPICAL DETAILS - 1

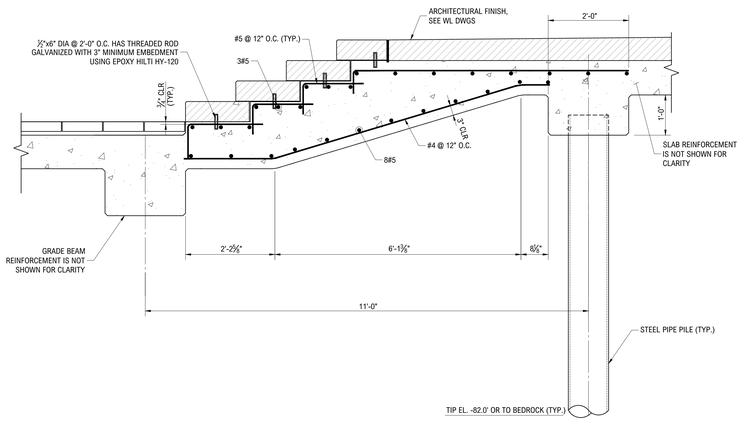
SHEET NUMBER
WSS-501.00

STATE OF NEW YORK · LICENSED PROFESSIONAL ENGINEER · GRAND PAUL KLAFF · 090578 · DEPARTMENT OF BUILDINGS

DOB # BOO539478-S7

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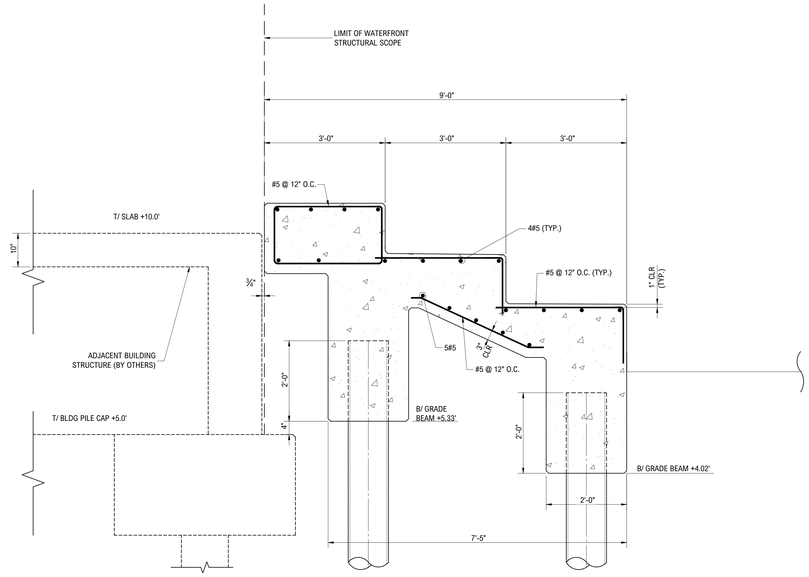
ORIGINAL SHEET SIZE: 36" X 48"



A WSS-502 **SECTION K REINFORCEMENT DETAIL**

3/4" = 1'-0"

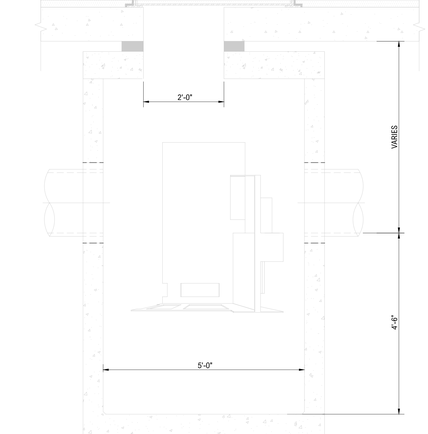
NOTE:
1. SLAB AND GRADE BEAM REINFORCEMENT NOT SHOWN FOR CLARITY.



B WSS-502 **SECTION R REINFORCEMENT DETAIL**

3/4" = 1'-0"

NOTE:
1. GRADE BEAM REINFORCEMENT NOT SHOWN FOR CLARITY.

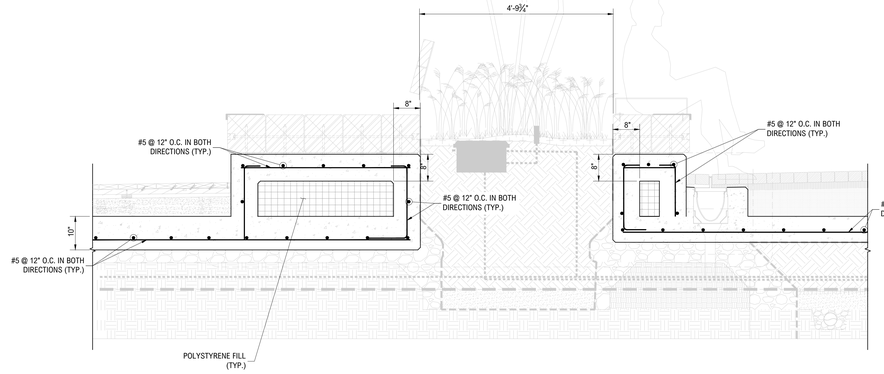


MANHOLE NUMBER	TOP OF SLAB ELEVATION (NAVD88)
MH1	1.81'
MH2	1.80'
MH3	1.63'
MH4	1.21'
MH5	-2.67'
MH6	0.43'
MH7	2.81'
MH8	4.73'

F WSS-502 **TYPICAL MANHOLE FOUNDATION**

3/4" = 1'-0"

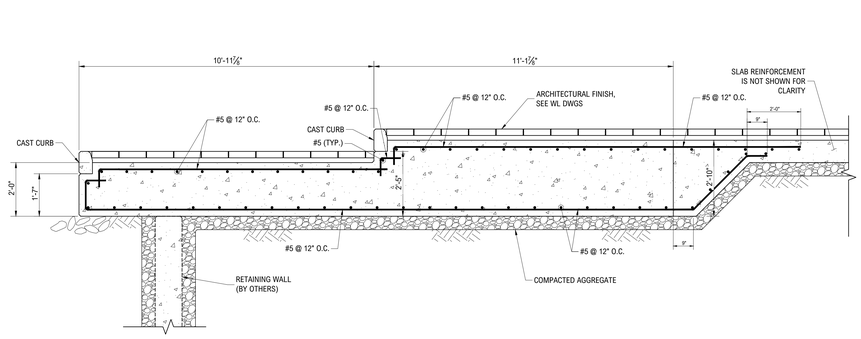
NOTE:
1. SEE TABLE FOR TOP OF SLAB ELEVATION.



G WSS-502 **PERCH BENCH REINFORCEMENT**

3/4" = 1'-0"

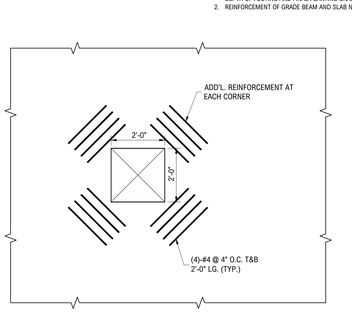
NOTES:
1. CONTRACTOR TO COORDINATE FINAL SLAB-ON-GRADE, ARCHITECTURAL FINISH ELEVATION, DEPTH OF FOOTING AND FINAL PLANTING GRADE WITH LANDSCAPE ARCHITECT.
2. REINFORCEMENT OF GRADE BEAM AND SLAB NOT SHOWN FOR CLARITY.

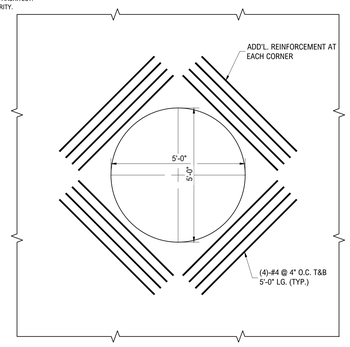


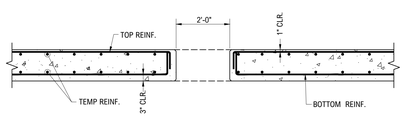
H WSS-502 **SLIP PLATFORM SECTION REINFORCEMENT**

1/2" = 1'-0"

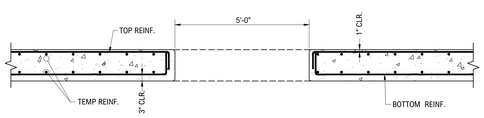
NOTE:
1. SLAB AND GRADE BEAM REINFORCEMENT NOT SHOWN FOR CLARITY.







SLAB OPENING FOR MANHOLE REINFORCEMENT DETAIL



SLAB OPENING FOR TREE PIT REINFORCEMENT DETAIL

NOTE: SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.

J WSS-502 **SLAB OPENING DETAIL**

1/2" = 1'-0"

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OWNER:
1 JAVA OWNER LLC
200 PARK AVE, 9TH FL., NEW YORK, NY 10166

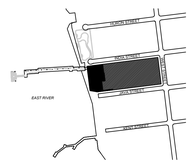
M. G. McLaren Engineering and Land Surveying P.C.
530 Chestnut Ridge Road
Woodcliff Lake, NJ 07677
T: 201.775.6000 www.mgmclaren.com

LANDSCAPE ARCHITECT:
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR, NEW YORK, NY 10018

CONSULTANTS:

FOR REFERENCE:
MARVEL ARCHITECTS (ARCHITECT)
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ONE LUX STUDIO (LIGHTING DESIGNER)
158 W. 29TH ST., 10TH FL., NEW YORK, NY 10001
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KEY PLAN:



SEAL:

Eric Cheng
APPROVED
DATE: 06/29/2023

JAMES CORNER
REG. NO: **LA6667253**

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REVISION / ISSUANCE

NO.	DESCRIPTION	DATE

PROJECT NAME:
01 JAVA STREET
1 JAVA STREET
BROOKLYN, NY 11211

JCFO PROJ.#
1714

PROJECT PHASE:
CONSTRUCTION DOCUMENTS

DESIGNED BY: CMS
DRAWN BY: EHC
CHECKED BY: VCC

SCALE: NORTH

VERT: AS NOTED
HORZ: AS NOTED

SHEET TITLE:
TYPICAL DETAILS - 2

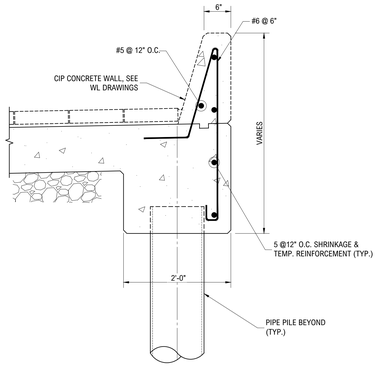
SHEET NUMBER:
WSS-502.00

DOB # BO0539478-S7

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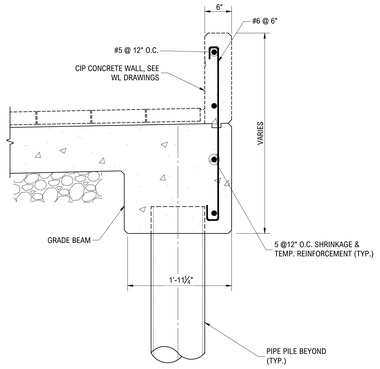
ORIGINAL SHEET SIZE: 30" X 48"

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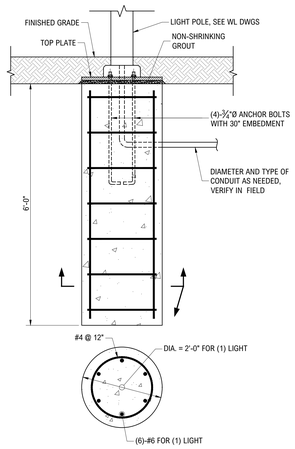
A WALL TYPE 1 SECTION BATTERED WALL AT GRADE BEAM
WSS-503 — 1" = 1'-0"

NOTE: GRADE BEAM AND SLAB REINFORCING NOT SHOWN FOR CLARITY.

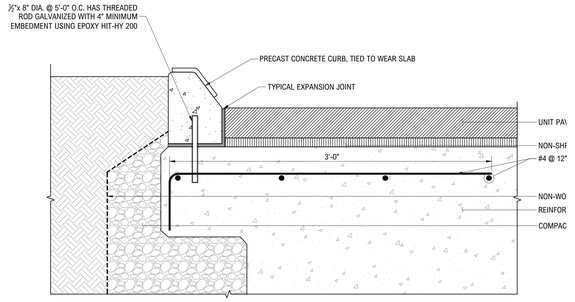


B WALL TYPE 2 SECTION VERTICAL WALL AT GRADE BEAM
WSS-503 — 1" = 1'-0"

NOTE: GRADE BEAM AND SLAB REINFORCING NOT SHOWN FOR CLARITY.

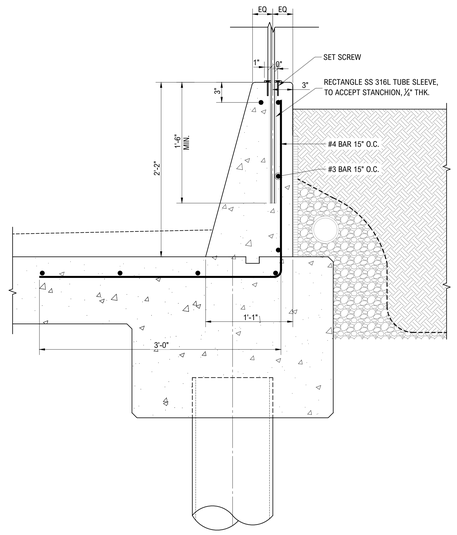


C LIGHT POLE FOUNDATION DETAILS
WSS-503 — 3/4" = 1'-0"



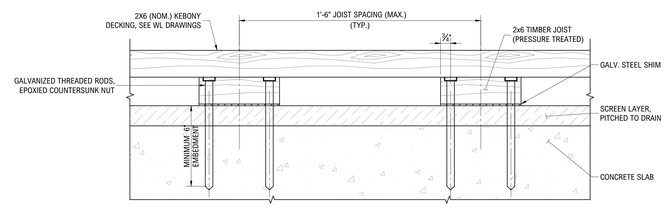
D PRECAST CONCRETE CURB ANCHROAGE DETAIL
WSS-503 — 2" = 1'-0"

NOTES:
1. CONTRACTOR TO COORDINATE FINAL SLAB-ON-GRADE, ARCHITECTURAL FINISH ELEVATION, DEPTH OF FOOTING AND FINAL PLANTING GRADE WITH LANDSCAPE ARCHITECT.
2. SLAB AND GRADE BEAM REINFORCEMENT NOT SHOWN FOR CLARITY.

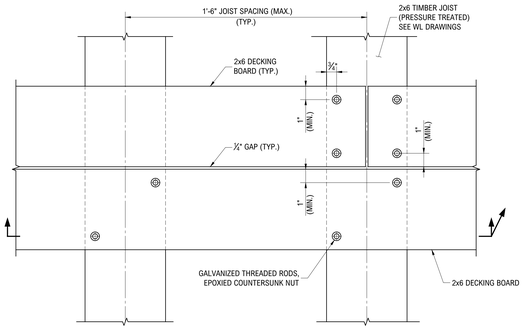


E HANDRAIL BASE
WSS-503 — 1-1/2" = 1'-0"

NOTE:
1. SLAB AND GRADE BEAM REINFORCEMENT NOT SHOWN FOR CLARITY.



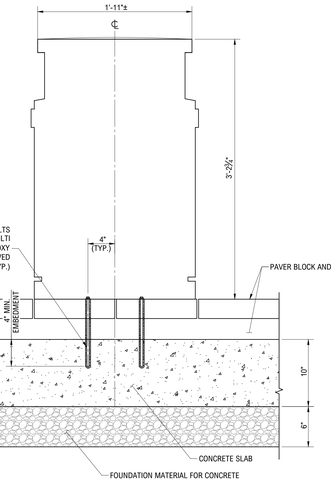
WOOD DECKING SECTION



WOOD DECKING PLAN

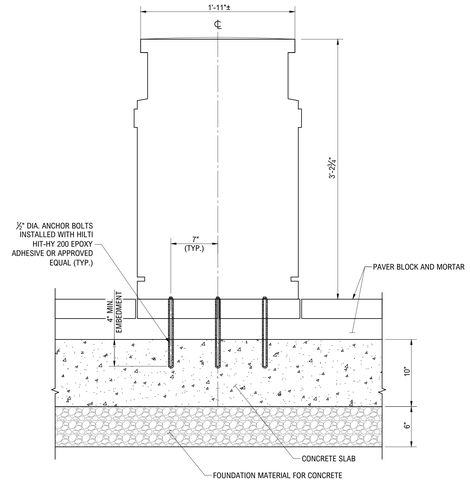
F TIMBER DECK BOARD PART PLAN
WSS-503 — 3" = 1'-0"

NOTE(S):
1. ALL DECK BOARDS TO BE PRE-DRILLED PRIOR TO FIXING.



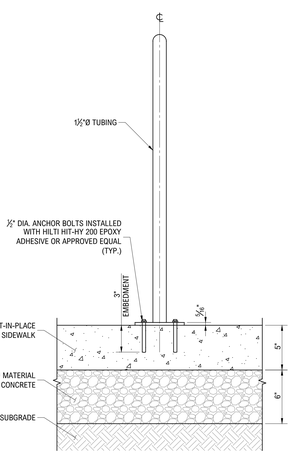
G TRASH RECEPTACLE ANCHORAGE SIDE ELEVATION
WSS-503 — 1-1/2" = 1'-0"

NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SLAB-ON-GRADE SURFACE FINISH WITH LANDSCAPE ARCHITECT.
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH MANUFACTURER FOR PRODUCT ANCHORAGE DETAILS.



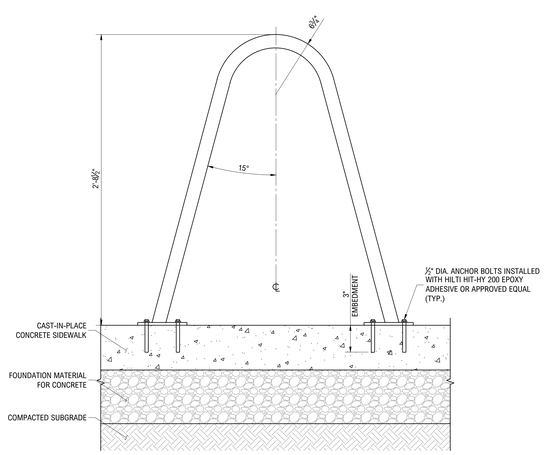
H TRASH RECEPTACLE ANCHORAGE FRONT ELEVATION
WSS-503 — 1-1/2" = 1'-0"

NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SLAB-ON-GRADE SURFACE FINISH WITH LANDSCAPE ARCHITECT.
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH MANUFACTURER FOR PRODUCT ANCHORAGE DETAILS.



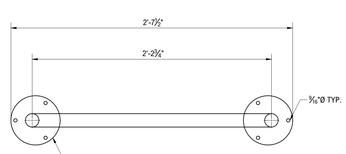
J BICYCLE RACK ANCHORAGE SECTION
WSS-503 — 2" = 1'-0"

NOTE:
1. BICYCLE RACK TO BE INSTALLED PER MANUFACTURER'S GUIDELINES.



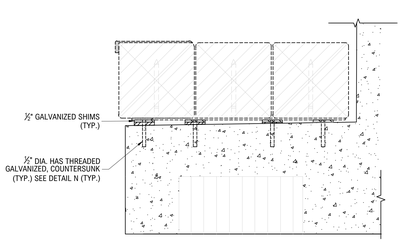
K BICYCLE RACK ANCHORAGE SECTION
WSS-503 — 2" = 1'-0"

NOTE:
1. BICYCLE RACK TO BE INSTALLED PER MANUFACTURER'S GUIDELINES.

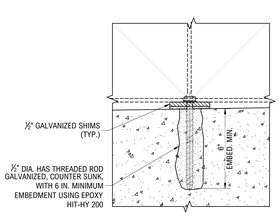


L BICYCLE RACK ANCHORAGE PLAN VIEW
WSS-503 — 2" = 1'-0"

NOTE:
1. BICYCLE RACK TO BE INSTALLED PER MANUFACTURER'S GUIDELINES.



M PERCH BENCH THREADED ROD EMBEDMENT DETAIL
WSS-503 — 1-1/2" = 1'-0"



N THREADED ROD EMBEDMENT DETAIL
WSS-503 — 6" = 1'-0"

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DOB # BO0539478-S7

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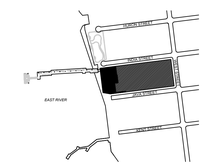
McLaren ENGINEERING GROUP
M. G. McLaren Engineering and Land Surveying P.C.
530 Chestnut Ridge Road
Woodcliff Lake, NJ 07677
T: 201.775.6000 www.mgmclaren.com

LANDSCAPE ARCHITECT:
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR, NEW YORK, NY 10018

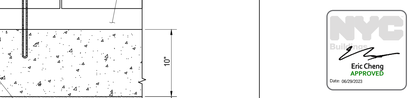
CONSULTANTS:

FOR REFERENCE:
MARVEL ARCHITECTS (ARCHITECT)
145 HUDSON STREET, NEW YORK, NY 10013
ONE LUX STUDIO (LIGHTING DESIGNER)
158 W. 29TH ST., 10TH FL., NEW YORK, NY 10001
LANGAN (CIVIL R.O.W.)
360 W 31ST STREET, 8TH FL., NEW YORK, NY 10001
OLA ENGINEERS (WATERFRONT ELECTRICAL)
8 W 38TH ST., SUITE 501, NEW YORK, NY 10018
CRAUL LAND SCIENTISTS (SOILS)
282 WHITEMAN DRIVE, CENTRE HALL, PA 16828
NORTHERN DESIGNS LLC (IRRIGATION)
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KEY PLAN:



SEAL:



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BROOKLYN, NY 11211
JOFO PROJ.#
1714
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

DESIGNED BY: CMS
DRAWN BY: EHC
CHECKED BY: VCC

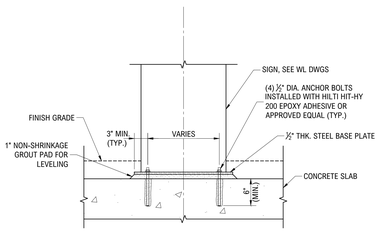
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VERT: AS NOTED
HORZ: AS NOTED

SHEET TITLE
Typical Details - 3
SHEET NUMBER
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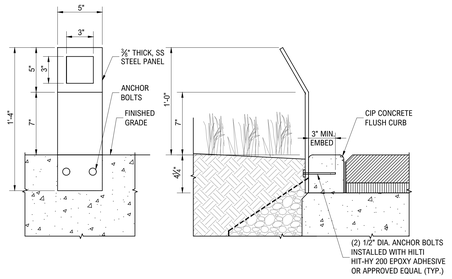
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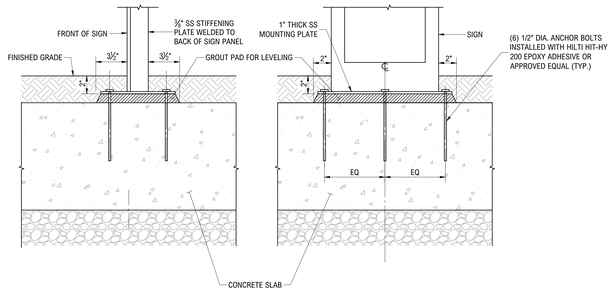
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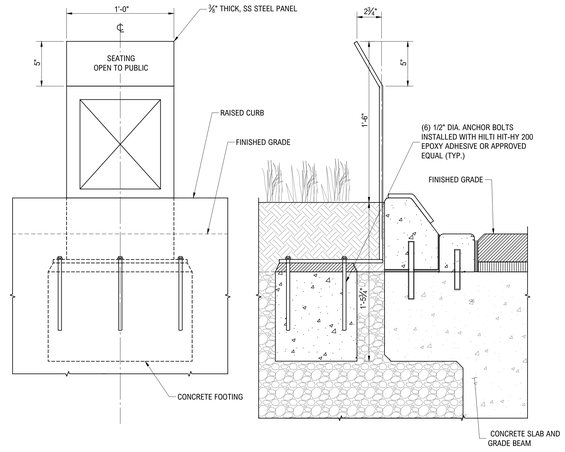
A TYPICAL SIGNAGE CONNECTION DETAILS
WSS-504 — 1" = 1'-0"



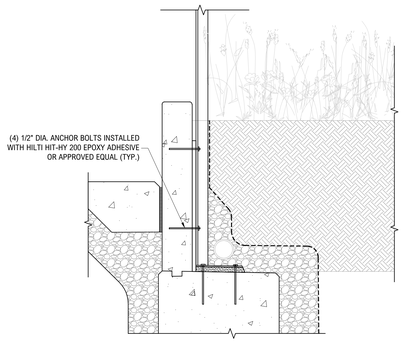
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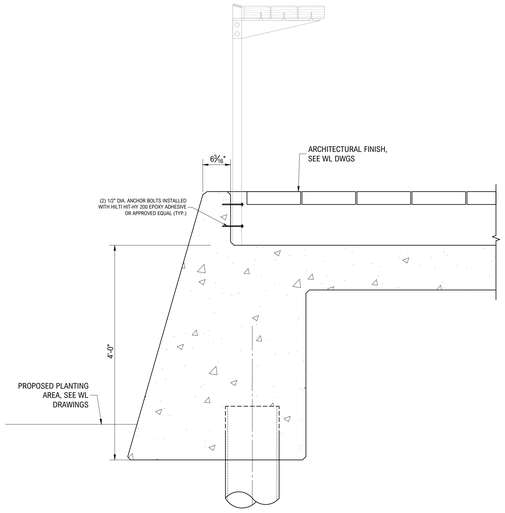
C SIGNAGE FOOTING
WSS-504 — 2" = 1'-0"



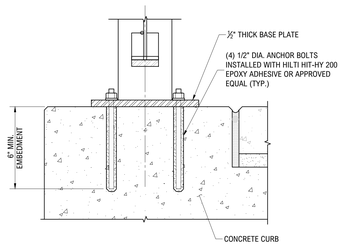
D SEATING OPEN TO PUBLIC SIGN
WSS-504 — 2" = 1'-0"



E WATERFRONT OPEN TO PUBLIC SIGN [S1A]
WSS-504 — 1-1/2" = 1'-0"



F GUARDRAIL WITH TABLETOP ANCHORAGE DETAIL
WSS-504 — 1" = 1'-0"



G GUARDRAIL BASE
WSS-504 — 3" = 1'-0"

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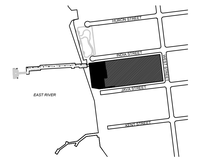
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M. G. McLaren Engineering and Land Surveying P.C.
530 Chestnut Ridge Road
Woodcliff Lake, NJ 07677
T: 201.775.6000 www.mgmclaren.com

LANDSCAPE ARCHITECT:
JAMES CORNER FIELD OPERATIONS
475 10TH AVE, 9TH FLOOR, NEW YORK, NY 10018

CONSULTANTS:

FOR REFERENCE:
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OLA ENGINEERS (WATERFRONT ELECTRICAL)
8 W 38TH ST., SUITE 501, NEW YORK, NY 10018
CRAUL LAND SCIENTISTS (SOILS)
282 WHITEMAN DRIVE, CENTRE HALL, PA 16828
NORTHERN DESIGNS LLC (IRRIGATION)
2089 HARTFORD TPKE, NORTH HAVEN, CT 06473

KEY PLAN:



SEAL:

NYC DOB
Eric Cheng
APPROVED
DATE: 06/29/2023

JAMES CORNER
REG. NO: **LA6667253**

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PROJECT NAME:
01 JAVA STREET
1 JAVA STREET
BROOKLYN, NY 11211
JCFO PROJ.#
1714
PROJECT PHASE:
CONSTRUCTION DOCUMENTS

DESIGNED BY: CMS
DRAWN BY: EHC
CHECKED BY: VCC

SCALE — NORTH
VERT: AS NOTED
HORZ: AS NOTED

SHEET TITLE
Typical Details - 4
SHEET NUMBER
WSS-504.00

STATE OF NEW YORK · GRANT PAUL HATE · LICENSED PROFESSIONAL ENGINEER

DOB # BOO539478-S7

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ORIGINAL SHEET SIZE: 30" X 48"

APPENDIX S

Active SSDS Start-Up Certification

MEMORANDUM

Date: December 10, 2025

To: Richard P. Mustico, P.E., Professional Engineer 1, New York State Department of Environmental Conservation, Division of Environmental Remediation

From: Paul Martorano, Technical Director, Roux Environmental Engineering and Geology, D.P.C.

Subject: Greenpoint Ferry Site
Brooklyn, New York
BBL: 3025380001
BCP Site No. C224272

---

1. I am currently a registered professional engineer licensed by the State of New York.
2. I had primary direct responsibility for the implementation of the remedial program activities conducted at the-above referenced (the "Site") under the New York State Brownfield Cleanup Program ("BCP").
3. I certify that the attached Site Plan for the Site sub-slab depressurization system (SSDS) reflects the as-built conditions for the system and that the SSDS blowers have been installed and are fully functional.
4. I certify that the attached Summary of Active SSDS Vacuum Monitoring reflects the post start-up readings for the noted Extraction Points (EPs) and sub-slab Soil Vapor Monitoring Points (SVMPs), collected on December 10, 2025, which collectively document that the Site has achieved successful depressurization (> -0.004 iwc) within the sub-slab.

Paul Martorano
Name

088403
PE License Number

Signature

December 10, 2025
Date

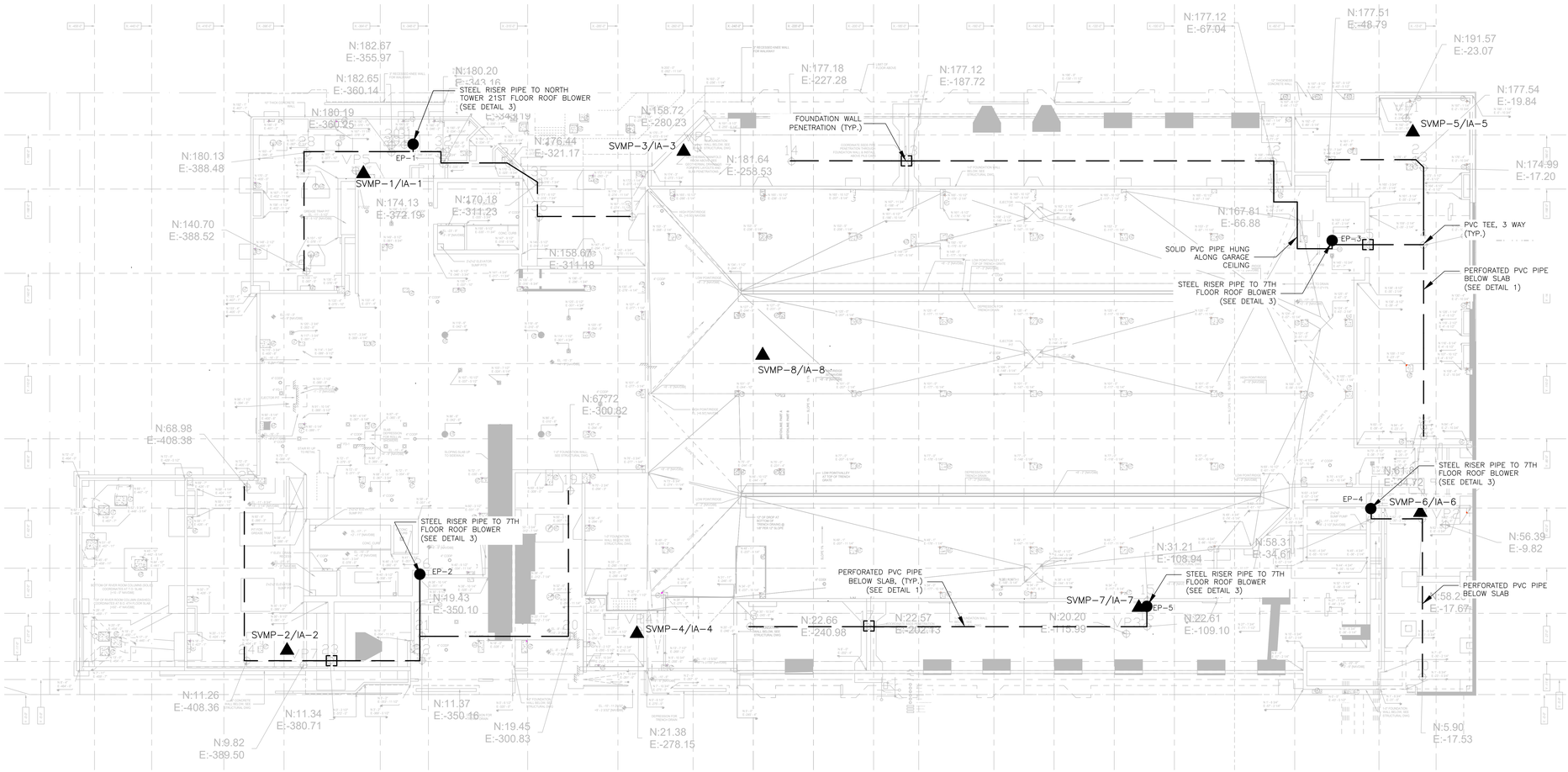


Summary of Active SSDS Vacuum Monitoring
Greenpoint Ferry Site, Brooklyn, New York

Monitoring Point	12/10/2025 Vacuum (iwc)	Fan Setpoint (0-100%)
EP-01	-0.687	75%
EP-02	-1.227	50%
EP-03	-0.305	50%
EP-04	-0.807	50%
EP-05	-0.964	50%
SVMP-01	-0.089	--
SVMP-02	-0.368	--
SVMP-03	-0.127	--
SVMP-04	-0.130	--
SVMP-05	-0.222	--
SVMP-06	-0.184	--
SVMP-07	-0.597	--
SVMP-08	-0.254	--

APPENDIX T

EC As-Built Drawings, Documentation and Drawings



LEGEND

- PERFORATED PVC PIPE BELOW SLAB, SCHEDULE 40, 4" DIA.
- SOLID WALL PVC PIPE BELOW SLAB, SCHEDULE 40, 4" DIA.
- EP-1 — STEEL RISER PIPE EXTRACTION POINT, GALVANIZED, 4" DIA.
- [ ] — SUB-SLAB FOUNDATION WALL PENETRATION
- SVMP-1/IA-1 — VAPOR MONITORING POINT/INDOOR AIR POINT (SEE DETAIL 6)

REFERENCES

1. BASE MAP FROM FOUNDATION PLAN, DRAWING NO. FD-100, GMP SET DATED SEPTEMBER 28, 2023.

GENERAL NOTES

1. SUB-SLAB DEPRESSURIZATION SYSTEM PIPING INSTALLED IMMEDIATELY BELOW LOWEST SLAB AS SHOWN ON DETAILS. SOME SOLID PVC PIPE SECTIONS HUNG ALONG GARAGE CEILING, AS NOTED.
2. RISERS FOR SUB-SLAB DEPRESSURIZATION SYSTEM TERMINATE ON ROOF AND CONFORM WITH SETBACK REQUIREMENTS SHOWN ON DETAILS.
3. SUB-SLAB PIPING AT UTILITY CROSSINGS CONSTRUCTED IN CONFORMANCE WITH DETAIL 6.

15' 0 15'

NO.	DATE	REVISION DESCRIPTION	INT.

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OFFICE:	NY	PAPER SIZE:	ARCH E
PROJECT NO.:	3583.0001Y000		
DRAWING FILE:	3583.0001Y166.04.DWG		

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Roux Environmental Engineering and Geology, D.P.C.
209 SHAFTER STREET ISLANDIA NEW YORK 11749
(631) 232-2600

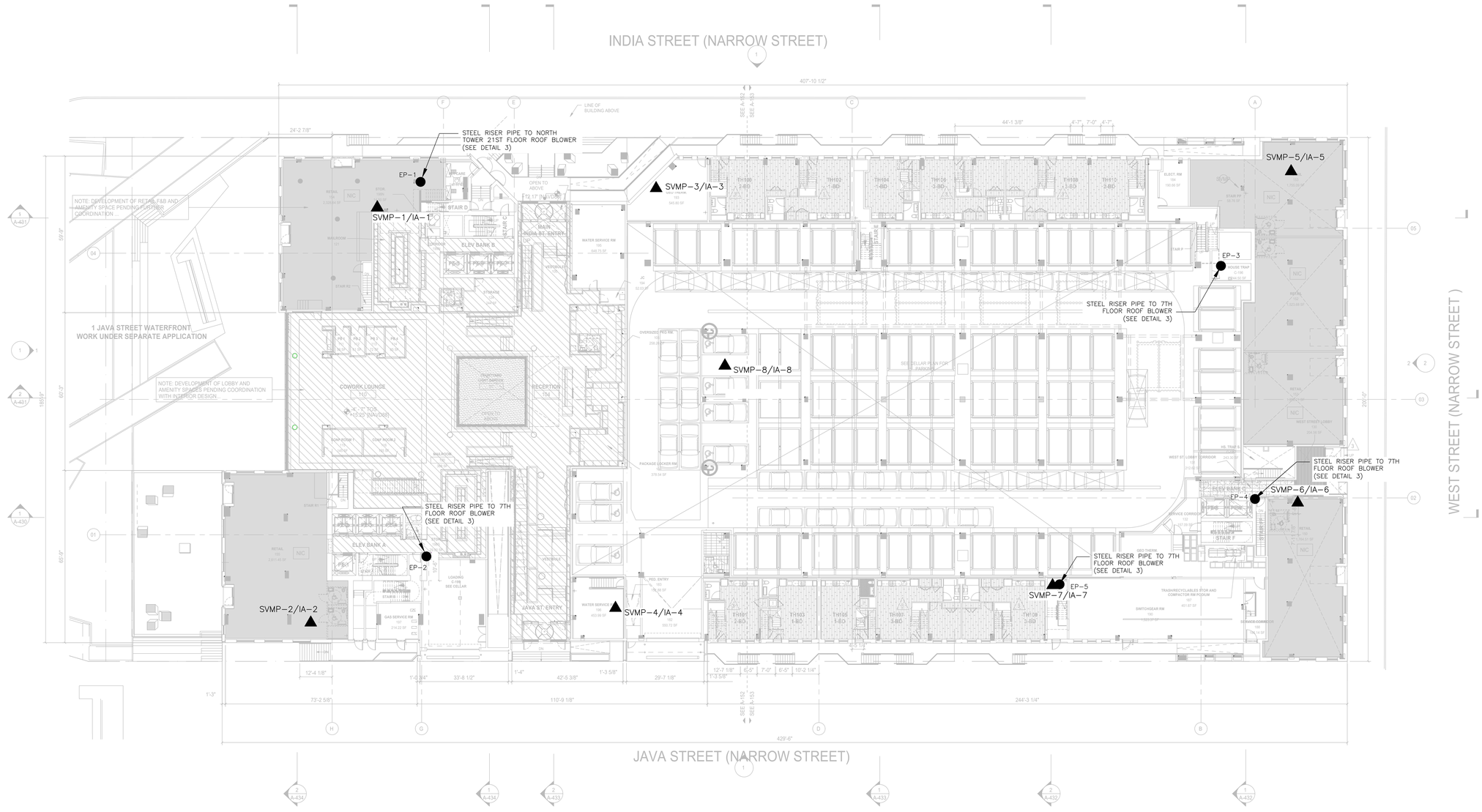
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GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

PROJECT FOR:
1 JAVA OWNER, LLC

TITLE:
ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM SUBGRADE FOUNDATION PLAN

DRAWING NO.
1
DRAWING 1 OF 5

V:\CAD\PROJECTS\3583\FY2001\Y1165\3583.0001Y166.04.DWG GMcTIGH



LEGEND

EP-1 ●	STEEL RISER PIPE EXTRACTION POINT, GALVANIZED, 4" DIA.
SVMP-1/IA-1 ▲	VAPOR MONITORING POINT/INDOOR AIR POINT (SEE DETAIL 6)

REFERENCES

1. BASE MAP FROM OVERALL PLANS – FLOOR 01, DRAWING NO. A-101, GMP SET DATED SEPTEMBER 28, 2023.

15' 0 15'

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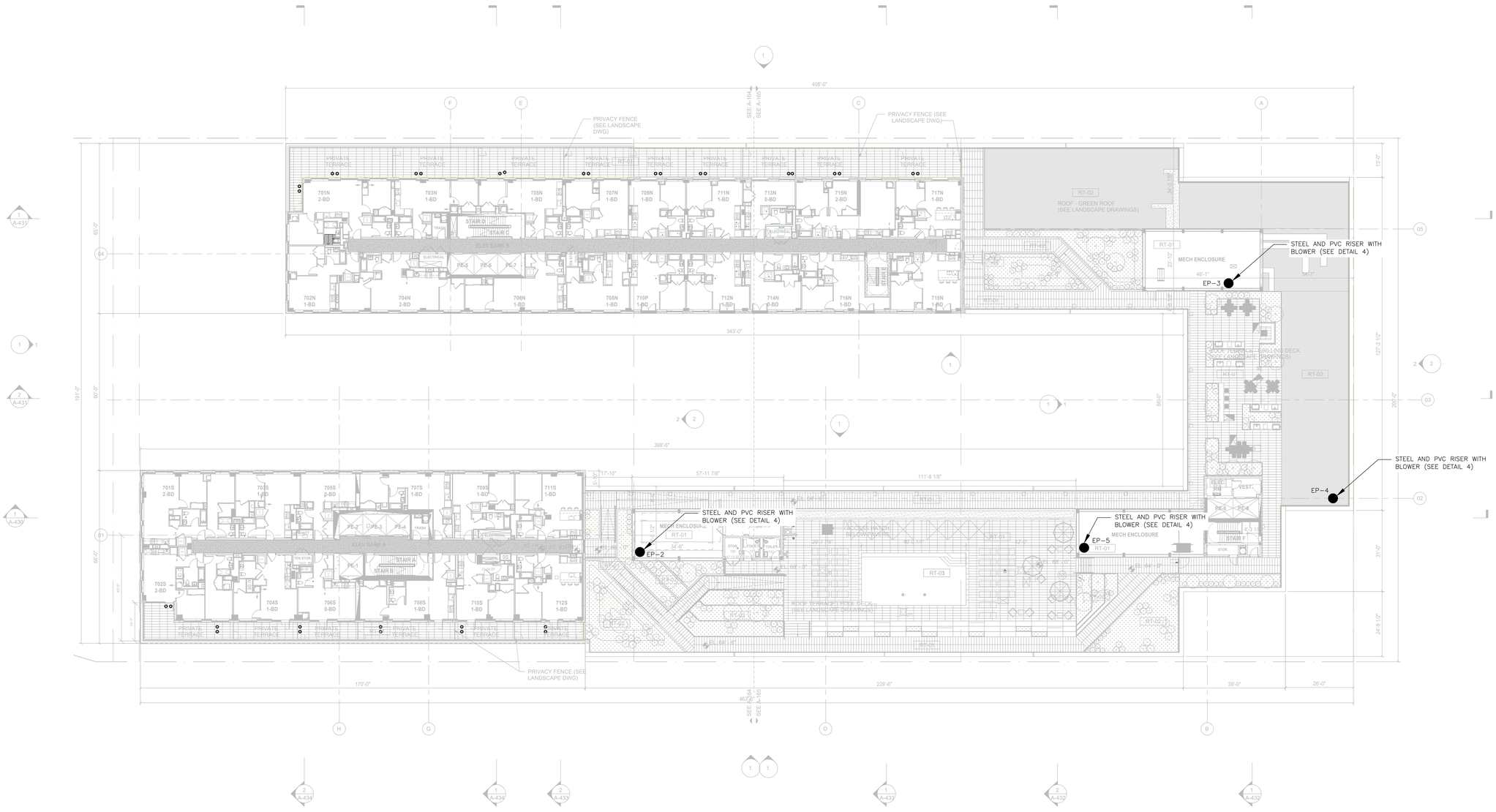
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GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

PROJECT FOR:
1 JAVA OWNER, LLC

TITLE:
ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM
FIRST FLOOR PLAN

DRAWING NO.
2
DRAWING 2 OF 5

I:\YORK\PROJECTS\3583\Y.0001\Y.166\3583.0001Y166.03.DWG GMC SDN



LEGEND

EP-2 ● STEEL AND PVC RISER WITH BLOWER

REFERENCES

1. BASE MAP FROM OVERALL PLANS – FLOOR 07, DRAWING NO. A-107, GMP SET DATED SEPTEMBER 28, 2023.

15' 0 15'

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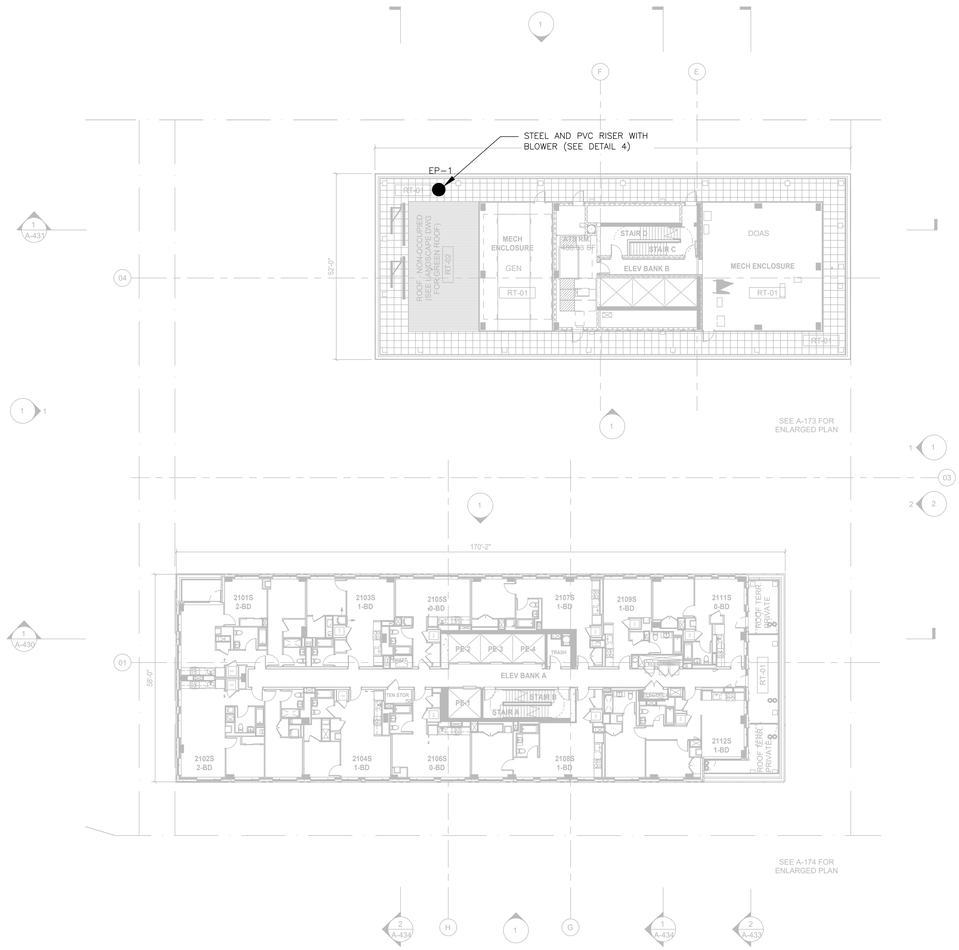
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BROOKLYN, NEW YORK

PROJECT FOR:
1 JAVA OWNER, LLC

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ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM SEVENTH FLOOR PLAN

DRAWING NO.
3
DRAWING 3 OF 5

V:\CAD\PROJECTS\3583\0001Y\3583.0001Y166.03.DWG GMILTON



LEGEND

EP-1 ● STEEL AND PVC RISER WITH BLOWER

REFERENCES

1. BASE MAP FROM OVERALL PLANS – FLOORS 21, 22–35, N. TWR ROOFS (BLKHD 1 & 2), DRAWING NO. A–121, GMP SET DATED SEPTEMBER 28, 2023.

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PROJECT NO.:	3583.0001Y000		
DRAWING FILE:	3583.0001Y166.03.DWG		

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(631) 232-2600

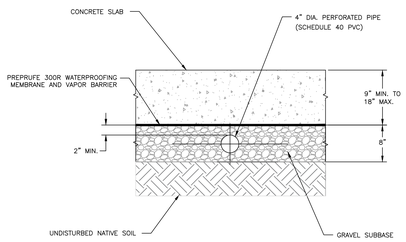
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GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

PROJECT FOR:
1 JAVA OWNER, LLC

TITLE:
ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM
TWENTY FIRST FLOOR AND NORTH TOWER ROOF PLAN

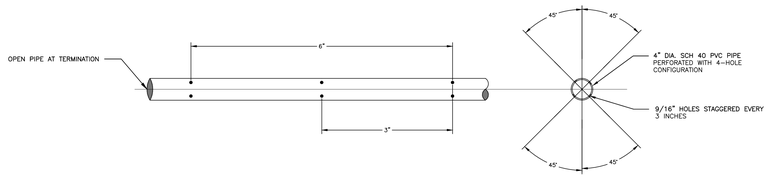
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4
DRAWING 4 OF 5

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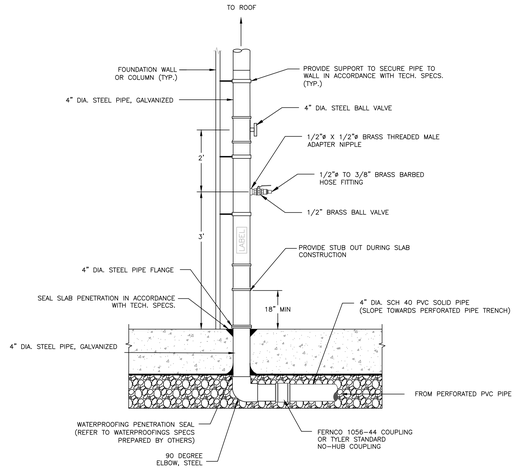
1 SUB-SLAB DEPRESSURIZATION SYSTEM PIPE DETAIL

SCALE: NOT TO SCALE



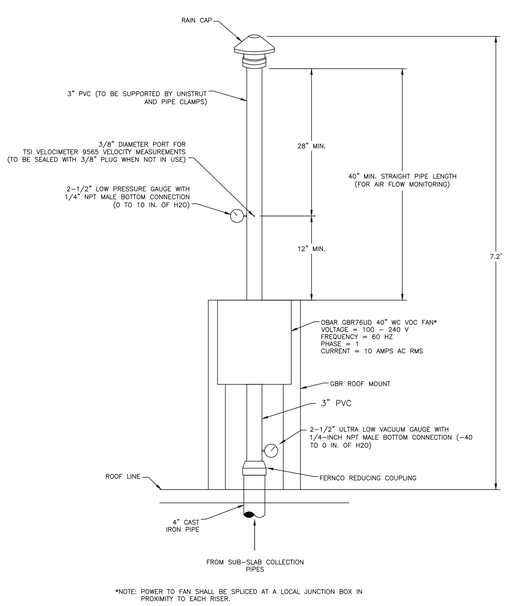
2 PERFORATED PVC PIPE DETAIL

SCALE: NOT TO SCALE



3 VERTICAL RISER DISCHARGE STACK TO SLAB PENETRATION (TYP)

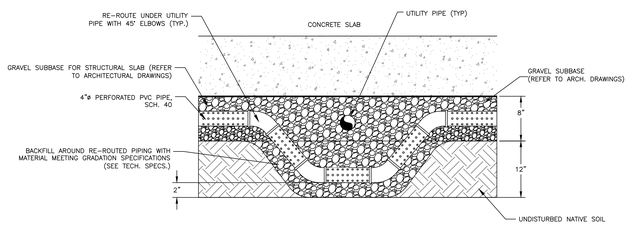
NOT TO SCALE



*NOTE: POWER TO FAN SHALL BE SPLICED AT A LOCAL JUNCTION BOX IN PROXIMITY TO EACH RISER.

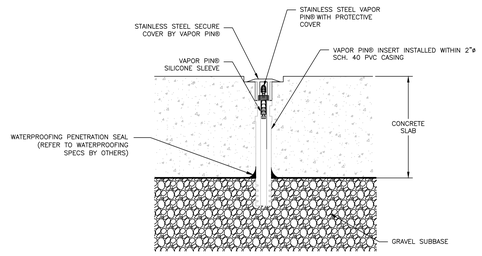
4 VAPOR EXTRACTION RISER WITH ROOF-MOUNT

SCALE: NOT TO SCALE



5 TYPICAL UTILITY PIPE CROSSING

SCALE: NOT TO SCALE



6 SOIL VAPOR MONITORING POINT DETAIL

SCALE: NOT TO SCALE

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STATE OF NEW YORK — KEVEN MARSHALL — 58453 — LICENSED PROFESSIONAL ENGINEER

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PROJECT NO.: 3583.0001Y000			
DRAWING FILE: 3583.0001Y166.04.DWG			

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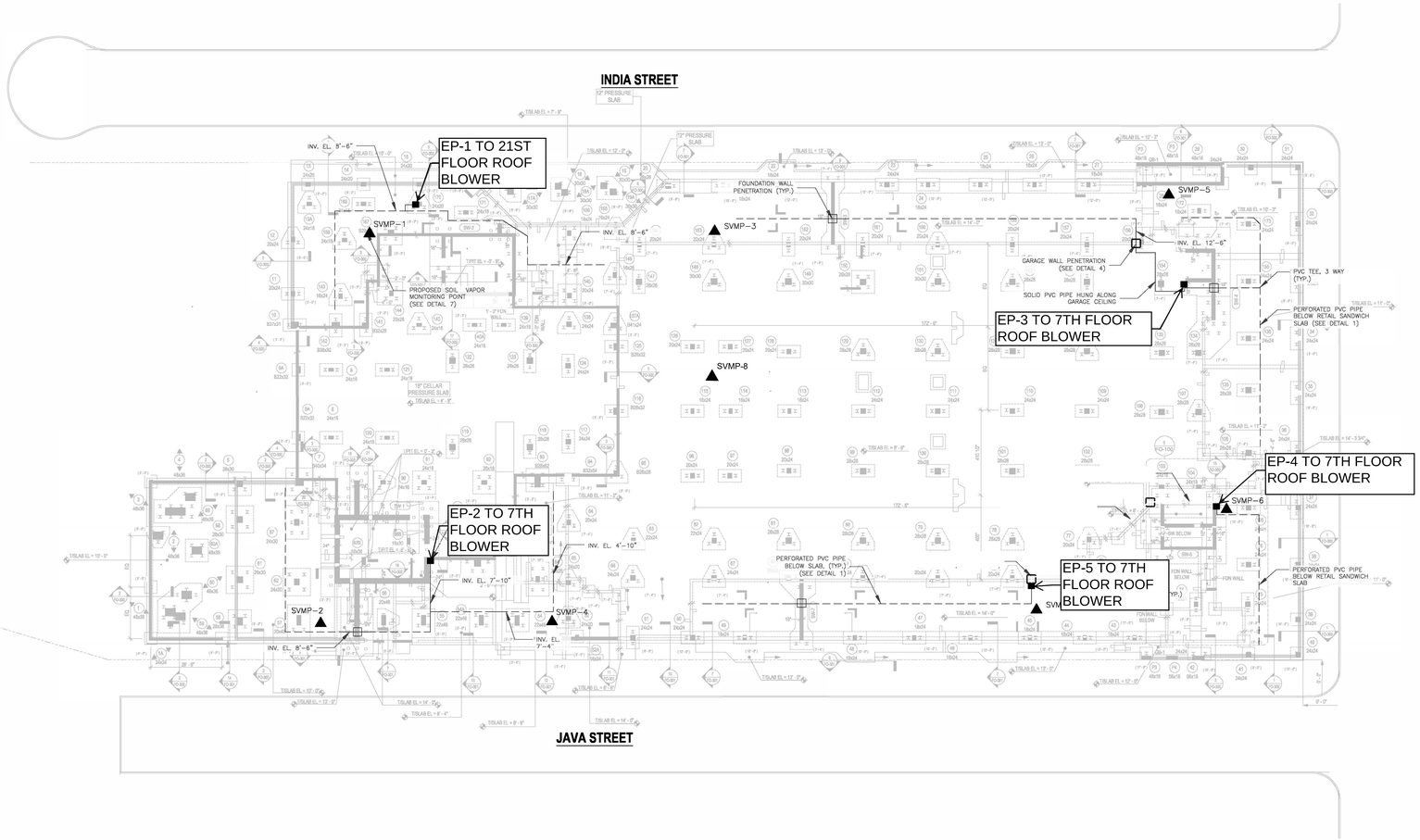
PROJECT NAME:
GREENPOINT FERRY SITE
BROOKLYN, NEW YORK

PROJECT FOR:
1 JAVA OWNER, LLC

TITLE:
ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM DETAILS

DRAWING NO.
5
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SITE PLAN

20' 0 20'

LEGEND

- PERFORATED PVC PIPE BELOW SLAB, SCHEDULE 40, 4" DIA.
- SOLID WALL PVC PIPE, SCHEDULE 40, 4" DIA.
- EXTRACTION POINT STEEL RISER PIPE, GALVANIZED, 4" DIA.
- SUB-SLAB FOUNDATION WALL PENETRATION

REFERENCES

1. BASE MAP FROM FOUNDATION PLAN, DRAWING NO. FD-100, PROGRESS SET DATED NOVEMBER 19, 2021.

GENERAL NOTES

1. ALL INVERT ELEVATIONS ARE APPROXIMATE [NAVD88] AND PROVIDED FOR REFERENCE ONLY TO INDICATE CORRESPONDING SLAB ELEVATION CHANGES.
2. SUB-SLAB DEPRESSURIZATION SYSTEM PIPING INSTALLED IMMEDIATELY BELOW LOWEST SLAB AS SHOWN ON DITAILS.
3. RISERS FOR SUB-SLAB DEPRESSURIZATION SYSTEM TERMINATE ON ROOF AND CONFORM WITH SETBACK REQUIREMENTS SHOWN ON DETAILS.
4. SUB-SLAB PIPING AT UTILITY CROSSINGS CONSTRUCTED IN CONFORMANCE WITH DETAIL 6.
5. DEPICTED LOCATIONS OF SOIL VAPOR MONITORING POINTS ARE APPROXIMATE.

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PROJECT NAME:
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BROOKLYN, NEW YORK

PROJECT FOR:
1 JAVA OWNER, LLC

TITLE:
ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM SITE PLAN

FIGURE NO.
6

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