FINAL ENGINEERING REPORT

for

601 WASHINGTON STREET
Block 602, Lot 28
New York, New York
NYSDEC BCP No. C231091

Prepared For:

HADSW, LLC
40 Renwick Street
New York, New York 10013

Prepared By:

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December 2017
170263301

LANGAN

CERTIFICATION

I, Jason Hayes, 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 was implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Work Plan and Remedial Design Document.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Remedial Work Plan and Remedial Design Document 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 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, Jason Hayes, of Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan), am certifying as Owner's Designated Site Representative.

089491-1	12-4-2017	
NYS Professional Engineer #	Date	Signature

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LIST OF ACRONYMS

Acronym	Definition
AWQS	Ambient Water Quality Standards
Bayshore	Bayshore Soil Management, LLC
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
Bgs	Below grade surface
BPMD	Borough President Manhattan Datum
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CAMP	Community Air Monitoring Plan
CENJ	Clean Earth of North Jersey
COC	Certificate of Completion
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CVOC	Chlorinated Volatile Organic Compound
1,2-DCE	1,2-Dichloroethene
DER	Division of Environmental Remediation
DRO	Diesel Range Organics
DUSR	Data Usability Summary Report
EC	Engineering Control
El	Elevation
ELAP	Environmental Laboratory Approval Program
EPH	Extractable Petroleum Hydrocarbons
eV	Electron volt
EWMI	Environmental Waste Minimization, Inc.
FDNY	Fire Department of New York
FER	Final Engineering Report
Griffin Pipe	Former Griffin Pipe Products Site
GRO	Gasoline Range Organics
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IC	Institutional Control
J&D	J&D Trucking Inc.
NAVD88	North American Vertical Datum of 1988
NYCDEP	New York City Department of Environmental Protection
NYCDOB	New York City Department of Buildings
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
OSHA	Occupational Safety and Health Administration
PBS	Petroleum Bulk Storage
PCB	Polychlorinated Biphenyl

Acronym	Definition
PCE	Tetrachloroethene
Phase III	Former NJ Zinc Plant/ Phase III Environmental
PID	Photoionization Detector
PM10	Particulates less than 10 micrometers in diameter
ppb	Parts per billion
ppm	Parts per million
QA/QC	Quality Assurance/ Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RWP	Remedial Work Plan
RCA	Recycled Concrete Aggregate
RCRA	Resource Conservation and Recovery Act
RDD	Remedial Design Document
RE	Remediation Engineer
RI	Remedial Investigation
RIR	Remedial Investigation Report
Riteway	Riteway Tank Maintenance Corp.
SCO	Soil Cleanup Objective
SMMP	Soil/Materials Management Plan
SMP	Site Management Plan
SOE	Support of Excavation
SOP	Site Operations Plan
SRI	Supplemental Remedial Investigation
SPLP	Synthetic Precipitation Leaching Procedure
SVOC	Semivolatile Organic Compound
SWPPP	Stormwater Pollution Prevention Plan
TCE	Trichloroethene
TCLP	Toxicity Characteristic Leaching Procedure
TOGS	Technical Operation Guidance Series
TPH	Total Petroleum Hydrocarbons
Tunnel Hill	Tunnel Hill Reclamation, LLC
µg/L	Micrograms per Liter
µg/m^3	Micrograms per Cubic Meter
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound

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1.0 BACKGROUND AND SITE DESCRIPTION

HADSW, LLC (the Volunteer) entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on April 10, 2015, to investigate and remediate an 8,900-square-foot property (±0.20 acres) located at 601 Washington Street in Manhattan, New York (the Site). New York State Brownfield Cleanup Program (BCP) Site No. C231091 was assigned to the Site by NYSDEC. Historical use of the Site includes a truck and auto repair shop; a brass foundry; a welding supply business; a truck garage, and; shipping and meat packing companies. The Site was remediated in accordance with the NYSDEC-approved October 30, 2015 Remedial Work Plan (RWP) and October 25, 2016 Remedial Design Document (RDD) to meet Track 2 Residential remediation criteria. The NYSDEC-approved RWP and RDD, and Decision Document are included in Appendix A. The Site is in the Special Mixed Use District (MX) within Manhattan with zoning designation M1-5/R7X, which allows for residential, community facility, commercial and manufacturing uses. The future development (multi-story residential) is consistent with current zoning regulations.

The 601 Washington Street Site is located in an urban area in Manhattan. The Site is bounded by Greenwich Street to the east, Leroy Street to the south, Washington Street to the west, and multi-story residential buildings to the north. A Site Location Map is included as Figure 1. The Site consists of tax Block 602, Lot 28 and has approximately 176 feet of frontage along Leroy Street and 50 feet of frontage along both Washington and Greenwich Streets. (see Figure 2 – Site Layout Plan). The boundaries of the site are shown in Figure 2. The surrounding land usage includes multi-story residential and commercial buildings to the north and east, a five-story building identified as a Fedex Shipping Center to the south, and multi-story residential and commercial buildings followed by the Hudson River Park to the west.

The Site encompasses approximately 8,900 square feet and is entirely covered with a new concrete foundation with a continuous waterproofing/ vapor barrier. When construction is complete, the Site will be improved with a 9-story residential building including eight apartments. The development will include a full cellar that will encompass the entire footprint of the Site. The cellar will include parking areas, amenity areas for both first floor residential units and mechanical rooms.

This Final Engineering Report (FER) summarizes the remedial actions implemented at the Site in accordance with the NYSDEC-approved RWP and RDD. The RWP and RDD detailed a Track 2 cleanup for addressing impacted soil, groundwater, and soil vapor within the Site boundaries. Remedial activities and installation of the cellar concrete slab with waterproofing/vapor barrier were completed as of October 20, 2017.

An electronic copy of this FER with all supporting documentation is included as Appendix B.

2.0 SUMMARY OF SITE REMEDY

A Remedial Investigation (RI) was conducted by Langan in three stages between August 4 to 14, 2014, September 29 to October 10, 2014, and October 30 to November 7, 2014 to evaluate the nature and extent of contamination in soil, soil vapor, and groundwater at the Site. A preliminary waste characterization study was completed in August 2015 to support planning for future off-site disposal of soil generated during the anticipated Site redevelopment.

Findings and conclusions from the previous investigations are as follows:

- Stratigraphy: The sidewalk elevation along Washington Street (western boundary of the Site) is approximately el 11.5 (Borough President of Manhattan Datum [BPMD]) or el 13.15 (North American Vertical Datum [NAVD[1]] 1988). The sidewalk elevation along Greenwich Street (eastern boundary of the Site) is approximately two feet higher than the sidewalk elevation along Washington Street. The average approximate elevation of the Site surface is el 13.6 NAVD88. The subsurface strata at the Site consists of historic urban fill typically comprising brown sand with trace gravel and brick fragments. The depth of fill is variable with a maximum recorded depth of 17 feet below ground surface (bgs) in the southern portion of the site. Underlying the fill material is a typically brown fine to coarse sand with occasional discontinuous thin layers of sandy silt. Depth to top of bedrock at a nearby site varied from about 73 to 79 feet bgs. The bedrock was identified as gray mica schist, and about three feet of light-gray decomposed rock overlaid the bedrock.
- During the RI, groundwater at the Site was observed between about el -1.09 and el -1.14 NAVD88. Groundwater is estimated at approximately 13 to 14 feet bgs. The groundwater flow direction was established during the Remedial Investigation and was documented to be relatively flat. There was approximately a 0.05 foot differential in groundwater elevation across the Site. Localized groundwater appears to flow towards the southeast, though regional flow should be towards the Hudson River which is one block west of the Site.
- Soil Impacts: Volatile organic compound (VOC), semivolatile organic compound (SVOC), metal and pesticide exceedances of 6 New York Codes, Rules and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO) were identified; however, only SVOCs and metals exceeded the Residential Use SCOs. One VOC exceedance (1,2,4-trimethylbenzene) of Residential Use SCOs was recorded in off-site Leroy Street sidewalk boring MW-6 at 2 to 3 feet bgs.

[1] Elevations are in North American Vertical Datum of 1988 (NAVD88).

Sources of soil contaminants are urban fill and historic use of the Site.

- Groundwater Impacts: VOCs, SVOCs and metals were detected in the groundwater above NYSDEC TOGS 1.1.1 AWQS for Class GA water. Chlorinated solvent exceedances of groundwater standards were identified at the Site and below adjacent sidewalks. The highest concentrations of 1,2-dichloroethene (1,2-DCE) (9.8 micrograms per liter [µg/l]), tetrachloroethene (PCE) (37 µg/l), and trichloroethene (TCE) (470 µg/l) were identified at MW-1 in the southwest portion of the Site. These results are indicative of an on-site source of chlorinated solvents that is attributable to the historic use of the Site. The surrounding community is serviced by a public water supply and the water supply is not impacted by residual contamination.
- Soil Vapor Impacts: Analytical results identified petroleum and chlorinated solvent-related VOCs in the Site subsurface soil vapor at concentrations in excess of the ambient air sample. TCE was identified up to 497 micrograms per cubic meter (µg/m3) and PCE was identified up to 99.7 µg/m3 at SV-1 located in the southwest portion of the Site. These results, in conjunction with groundwater analytical results, indicate an on-site source of chlorinated solvents that are attributable to the historic use of the Site.
- Potential UST: The geophysical survey identified an anomaly along the southern site boundary (near SB-3). Staining, odor, and elevated photoionization (PID) readings were not observed in this area or on the Site. Soil and groundwater samples in the vicinity of the anomaly did not identify contamination indicative of a petroleum release; however, petroleum VOCs in soil vapor in the vicinity of the anomaly were identified above ambient air concentrations.

2.1 Contaminants of Concern

Soil and groundwater were analyzed for VOCs, SVOCs, metals, polychlorinated biphenyls (PCBs), and pesticides. Based upon investigations conducted in advance of remediation activities at the site, the primary contaminants of concern at the site included TCE, PCE, lead, and poly-aromatic hydrocarbons (PAHs), such as benzo(a)anthracene. A summary of contaminants of concern (COC) for soil, groundwater and soil vapor is provided below.

- Soil Contaminants of Concern: Soil COCs include SVOCs and metals. Lead was found at the site above residential, restricted residential and commercial soil cleanup objectives (SCOs) at levels as high as 4,400 parts per million (ppm). Several PAHs were found at the site as well, where benzo(a)anthracene exceeded all soil cleanup objectives (SCOs) at a level as high as 13 ppm. These contaminants are thought to be related to historic fill in the area and are not

considered associated with past uses of the site. TCE was found in three soil borings in the southwest corner of the site within the suspected source area, at concentrations as high as 3.9 ppm. There is no data indicating that soil contamination extends off-site.

- Groundwater Contaminants of Concern: Groundwater COCs include PCE, TCE and 1,2-DCE. TCE and PCE are present in on-site groundwater wells. TCE was found as high as 470 parts per billion (ppb), and PCE has been detected at a level of 37 ppb. Up-gradient groundwater did not exhibit TCE contamination above standards; however, PCE was found above standards at a concentration as high as 22 ppb, which is slightly less than the concentration found on-site. PCE was detected in off-site, down-gradient well MW-10 at 26 ppb, and TCE was detected at 1.7 ppb.

  Metal exceedances were attributed to brackish water and regional groundwater quality and are not considered COCs. One SVOC, bis(2-ethylhexyl)phthalate, was detected in one sample location at a concentration less than an order of magnitude above the standard and is not considered a COC.

- Soil Vapor Contaminants of Concern: Soil vapor COCs include PCE, TCE and benzene, toluene, ethylbenzene and xylene (BTEX). Prior to remediation, TCE was detected in sub-slab vapor at concentrations as high as 497 µg/m3; PCE was also detected at a high of 99 µg/m3.

2.2 Remedial Action Objectives

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

2.2.1 Groundwater RAOs

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, inhalation of volatiles, from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer, to the extent practicable, to pre-disposal/pre-release conditions.
- Remove the source of ground or surface water contamination.

2.2.2 Soil RAOs

RAOs for Public Health Protection

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

RAOs for Environmental Protection

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

2.2.3 Soil Vapor RAOs

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from the potential for soil vapor intrusion into potential future occupied buildings at the Site.

2.3 Description of Selected Remedy

The Site was remediated in accordance with the remedy selected in the NYSDEC-approved October 30, 2015 RWP (a Track 2 Residential cleanup scenario), the October 25, 2016 RDD, and the December 2015 Decision Document. Track 1 unrestricted cleanup levels were not considered achievable due to unacceptable risk factors. The additional excavation required to achieve a Track 1 cleanup was expected to extend further below the water table and would substantially complicate construction dewatering, support of excavation design for adjoining buildings and roadways, increase the risk of compromising adjacent structures, increase truck traffic, and prolong potential exposure to noise and contaminated dust associated with additional excavation.

The factors considered during the selection of the remedy are those listed in Title 6 NYCRR 375-1.8. The following are the components of the selected remedy:

1. Excavation and off-site disposal of historic fill and soil impacted with petroleum compounds, VOCs, metals, and/or SVOCs exceeding the Track 2 Residential SCOs to a minimum depth of 15 feet below grade and to the extent practical - Track 2 SCOs are included in Table 1. Remedial excavation, at minimum, extended between 15.6 to 25.16 feet bgs or el -2 to el -10 NAVD88. Excavation areas are shown on Figure 3.
2. Decommissioning, closure, and removal of five underground storage tanks (UST) - The USTs were registered with NYSDEC Petroleum Bulk Storage database.

3. Excavation and off-site disposal of hazardous lead contaminated media (as identified and delineated in the October 22, 2015 Preliminary Waste Characterization and May 15, 2016 Lead Delineation in the southeast portion of the Site) - The delineated hazardous lead contaminated area was excavated from 10 to 17 feet bgs. The remainder of the waste disposal grid area was excavated up to about 26 feet bgs for construction of foundation elements.
4. Collection and analysis of soil samples to document contaminant concentrations in soil remaining on-site
5. Backfilling portions of the remedial excavation to development grade with ¾-inch virgin crushed stone
6. Closure of NYSDEC Spill No. 1406414 for the Site
7. Development and implementation of plans for the protection of on-site workers, community, and environment during remediation and construction activities

3.0 INTERIM REMEDIAL MEASURES

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

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved October 30, 2015 RWP and October 25, 2016 RDD. Remedial activities commenced with contractor mobilization on January 10, 2017 and remedial site activities were completed in October 2017. Daily and monthly reports were provided to NYSDEC throughout remediation and are provided in Appendix C.

4.1 Governing Documents

4.1.1 Site Specific Health & Safety Plan

Remedial work performed under this Remedial Action was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal Occupational Safety and Health Administration (OSHA). All documented remedial and invasive work complied with the provisions of the site-specific Health and Safety Plan (HASP), which met the requirements of 29 CFR 1910 and 29 CFR 1926 (which includes 29 CFR 1910.120 and 29 CFR 1926.65). The HASP included, but was not limited to, the following components listed below:

- Organization and identification of key personnel;
- Training requirements;
- Medical surveillance requirements;
- List of site hazards;
- Excavation safety;
- Work zone descriptions;
- Personal safety equipment and protective clothing requirements;
- Decontamination requirements;
- Standard operating procedures;
- Contingency plans;
- Community Air Monitoring Plan (CAMP); and
- Safety Data Sheets.

4.1.2 Quality Assurance Project Plan

All remedial and invasive work complied with the provisions of the Quality Assurance Project Plan (QAPP) that was included as Appendix K of the NYSDEC-approved RWP. The QAPP describes the specific policies, objectives, organization, functional activities

and quality assurance/ quality control activities designed to achieve the project data quality objectives.

4.1.3 Soil/Materials Management Plan

The Soil/Materials Management Plan (SMMP) included detailed plans for managing soil/materials that were disturbed during implementation of the remedy, including excavation, handling, storage, transport and disposal. It also included the controls that were applied to these efforts to facilitate effective, nuisance-free or mitigated-nuisance performance in compliance with applicable federal, state and local laws and regulations. Excavation was conducted using conventional hydraulic excavators (CASE CX330, Caterpillar 308D, and LinkBelt 145X excavators) and hand tools. Following a Track 2 cleanup approach, soil exceeding the Track 2 SCOs was removed as shown on Figure 3 to depths ranging from el -2 to el -10 NAVD88.

4.1.3.1 Soil Screening

Excavated material was screened for visual, olfactory, and instrumental evidence of a chemical or petroleum release by the field engineer, geologist, or scientist. Instrumental soil screening was conducted with a PID equipped with a 10.6 electron volt (eV) lamp.

4.1.3.2 Soil Stockpiles

Soil stockpile areas were constructed for staging soil, pending loading for off-site disposal or characterization testing. Separate stockpile areas were constructed to avoid co-mingling materials of differing types as needed. Stockpile areas met the following minimum requirements:

- Where material types were different (e.g., petroleum-impacted material stockpiled in a non-impacted area), excavated soil was placed onto a minimum thickness of 10-mil low-permeability liner of sufficient strength and thickness to prevent puncture during use.
- Equipment and procedures were used to place and remove the soil such that the potential to jeopardize the integrity of the liner was minimized.
- Stockpiles were covered with minimum 6-mil plastic sheeting or tarps, which were securely anchored to the ground.
- Stockpiles were covered at the end of each workday.
- Stockpiles were encircled with silt fences and hay bales, as needed, to contain and filter particulates from any rainwater that drained off the soils, and to mitigate the potential for surface water run-off.

- Stockpile areas were inspected daily, and noted deficiencies were promptly addressed.
- Individual stockpiles did not exceed 1,000 cubic yards.

4.1.3.3 Load Out, Transport and Off-Site Disposal Plan

A summary of the quantities of waste removed from the Site is provided in Section 4.3 and in Table 2. Non-hazardous soil/fill, petroleum-impacted soil/ fill, and hazardous lead contaminated soil were encountered during this remediation project. All hazardous and non-hazardous material was handled, transported and disposed of in accordance with applicable Part 360 and/ or United States Environmental Protection Agency (USEPA) regulations and other applicable local, state and federal regulations. Hazardous waste operations were completed in accordance with Hazardous Waste Operations and Emergency Response (HAZWOPER) protocols including those specified in 29 CFR 1910.120. The waste removal contractor provided the appropriate permits, certifications, and written commitments from disposal facilities to accept the material.

Non-hazardous soil/fill, petroleum-impacted soil/ fill, and hazardous lead contaminated soil were transported by waste removal contractors who possessed a valid New York State Part 364 Waste Transporter Permit and a valid USEPA Hazardous Materials Certificate of Registration, where applicable. Non-hazardous and hazardous waste manifests were used to track the waste and confirm appropriate disposal.

Prior to transporting material for off-site disposal, the Remediation Engineer (RE) reviewed the contractor's proposed disposal facilities to document that the facilities were permitted to accept the material. Non-hazardous and hazardous contaminated soil was disposed at facilities licensed to handle this material. Commitment letters were supplied on the facility's letterhead, and included the Site as the originating location, referenced the analytical data provided to and reviewed by the facility, and noted any restrictions on delivery schedules or other conditions that may have caused rejection of transported materials.

Letters of acceptance were received from the following soil disposal facilities:

- Bayshore Soil Management, LLC (Bayshore) located at 75 Crows Mill Road, Keasbey, NJ
- Clean Earth of North Jersey, Inc. (CENJ) located at 115 Jacobus Avenue, South Kearny, NJ
- Former Griffin Pipe Products Site (Griffin Pipe) located at 1100 West Front Street, Florence, NJ
- Former NJ Zinc Plant/ Phase III Environmental, LLC (Phase III) located at 1120 Mauch Chunk Road, Palmerton, PA

- Tunnel Hill Reclamation, LLC (Tunnel Hill) located at 8822 Tunnel Hill Road, New Lexington, OH

A Langan field engineer, geologist, or scientist observed the load-out of excavated material. Loaded vehicles leaving the Site were appropriately lined, securely covered, manifested, and placarded in accordance with appropriate federal, state, local, and New York State Department of Transportation (NYSDOT) requirements (or other applicable transportation requirements).

4.1.3.4 Fluids Management

Construction dewatering was required to reach the final excavation depth. Dewatering fluids were pumped to a 7,750-gallon fractionation tank for sedimentation purposes. Following sedimentation, dewatering fluids were pumped to two 3,000-gallon activated carbon tanks for treatment per the NYSDEC-approved RWP. Dewatering was performed in accordance with the New York City Department of Environmental Protection (NYCDEP) permit.

4.1.3.5 Truck Traffic Control

Concrete removed from the Site during building demolition was transported to the Alloco Recycling Corporation facility located at 540 Kingsland Avenue in Brooklyn via the Manhattan Bridge or Williamsburg Bridge and the Brooklyn-Queens Expressway. The material excavated during remediation was disposed outside of New York State. Excavated material was transported from the Site to disposal facilities in New Jersey and Pennsylvania via the Lincoln Tunnel (Interstate 495). Truck routes were selected by considering the following:

- Limiting transport through residential areas;
- Use of defined truck routes;
- Minimizing to the extent possible off-site queuing of trucks entering the facility;
- Limiting the total distance to the major thoroughfares;
- Safety in access to highways; and
- Overall safety in transport.

Excavated material was transported from the Site to disposal facilities in New Jersey and Pennsylvania via the Lincoln Tunnel (Interstate 495).

The exterior of outbound trucks was free of soil before leaving the Site. Locations where vehicles enter or exit the Site were inspected daily for evidence of off-site sediment tracking. A truck wash pad was used as required.

Egress points for truck and equipment transport from the Site were routinely cleaned of excess dirt. Cleaning of the adjacent street was performed as needed to maintain a clean condition with respect to site-derived materials.

4.1.4 Stormwater Pollution Prevention Plan

A site-specific Stormwater Pollution Prevention Plan (SWPPP) was not necessary during implementation of the remedy since less than one acre of land was disturbed. The excavation contractor employed the use of silt fences and hay bales as necessary to prevent off-site migration of stormwater. The stormwater catch basins along Washington and Greenwich Streets were lined with filter fabric as a preventative measure during implementation of the remedy.

4.1.5 Community Air Monitoring Plan

The CAMP was developed in accordance with the requirements of NYSDEC Division of Environmental Remediation (DER) Draft DER-10 – Technical Guidance for Site Investigation and Remediation and with the provisions of the New York State Department of Health (NYSDOH) CAMP. The CAMP was developed to protect off-site receptors, including residences and businesses, from potential airborne contaminant releases during intrusive field activities. The CAMP provided for the upwind and downwind real-time monitoring of VOCs and particulates (i.e., dust).

Monitoring for dust and VOCs was conducted during ground intrusive activities by the RE's field inspector. Continuous monitoring of dust and VOCs was conducted with one upwind and one downwind monitoring station on the perimeter of the work zone. Monitoring station locations were adjusted daily to reflect the dominant wind direction. Each monitoring station included a TSI DustTrak II aerosol monitor for measuring particulates with an aerodynamic diameter less than 10 micrometers (PM10), and a MiniRAE® 3000 PID for measuring total VOCs. A portable PID was used to monitor the work zone, and the work zone and Site perimeter were visually monitored for fugitive dust emissions.

Action levels used for the protection of the community and visitors were set forth in the CAMP included in the HASP (Appendix H in the RWP). As defined in the HASP, the particulate action level at the Site was set at 100 micrograms of dust per $\mu g/m^3$ above background, and the VOC action level at the Site was set at 25 parts per million (ppm) for instantaneous readings and above background or 5 ppm above background for a 15-minute average. DustTRAKs and PIDs were monitored on a continuous basis during remediation and construction activities. Fifteen minute running averages were calculated from the data recorded, and averages were compared to the action levels specified in the CAMP.

Field personnel observed ambient air conditions to check for visible dust emissions and/or odors; if observed, mitigation measures were implemented. Preventative measures for dust generation included wetting fill and soil, construction of an engineered construction entrance with rubber mats, covering soils with tarps, and limiting vehicle speeds to five miles per hour.

Odor and vapor mitigation methods included limiting the time that the excavations remained open, minimizing stockpiling of contaminated-source soil, minimizing the handling of contaminated material, application of tarps over the odor or VOC source area, and direct load-out of soils to trucks for off-Site disposal. CAMP results are discussed in further detail in Section 4.2.5.

4.1.6 Contractors Site Operations Plans

Site Operations Plans (SOP) for this remedial project consisted of the construction specifications, including safety, health and emergency response, excavation, storage, handling, transport, and disposal.

The RE reviewed all plans and submittals for this remedial project and confirmed that they were in compliance with the RWP. All remedial documents were submitted to NYSDEC and NYSDOH in a timely manner and prior to the start of work.

4.1.7 Community Participation Plan

The Citizen Participation Plan (CPP) lends transparency to remediation projects by providing the public with information on the proposed plans and an outlet to voice concerns to limit the impact a remediation project may have on the surrounding community. The CPP established a protocol for citizen participation, including creating a document repository to contain a copy of all applicable project documents. A certification of mailing was sent to the NYSDEC project manager following the distribution of all Fact Sheets and notices that included: (1) certification that the Fact Sheets were mailed; (2) the date they were mailed; (3) a copy of the Fact Sheets; (4) and a list of recipients (contact list). Furthermore, no changes were made to Fact Sheets authorized for release by NYSDEC without written consent of the NYSDEC.

A document repository was established at the following location for the duration of the project and contains all applicable project documents:

New York Public Library – Hudson Park Branch
66 Leroy Street
New York, NY 10014
Phone: (212)-243-6876

4.2 Remedial Program Elements

4.2.1 Contractors and Consultants

The Volunteer contracted with Titanium Construction Services, Inc. to act as the Construction Manager. Langan was retained as the Remedial Engineer (RE). Mr. Jason Hayes, P.E. of Langan, is the RE of record and has certified this FER. The Construction Manager selected Eurocraft Contracting, LLC, Earth Construction Services, Drip Waterproofing, and RiteWay Tank Maintenance Corp. (Riteway) to implement the remedial activities at the Site. Eurocraft Contracting, LLC was the foundation contractor and performed the excavation and off-site disposal of contaminated soil/fill. Earth Construction Services was the dewatering contractor and implemented dewatering and groundwater treatment activities. Drip Drop Waterproofing is a certified waterproofing/ vapor barrier installation contractor. RiteWay Tank Maintenance Corp. is a Fire Department of New York (FDNY)-licensed tank contractor, and removed and certified the USTs encountered during excavation. The contractors maintained a full staff and complement of equipment to conduct the remedial activities outlined in the RWP and RDD.

4.2.2 Site Preparation

Prior to commencing remediation, the Construction Manager completed mobilization and site preparation for remedial activities during the second week of January 2017. Descriptions of mobilization and site preparation activities are provided below.

- Identified the location of all aboveground and underground utilities (e.g., power, gas, water, sewer, telephone), equipment, and structures as necessary to implement the remedy;
- Mobilized necessary remediation personnel, equipment, and materials;
- Constructed a stabilized construction entrance, located on the western end of the Site, consisting of the pre-existing concrete building slab and rubber mats;
- Installed erosion and sedimentation control measures in accordance with the construction specifications;
- Installed temporary construction fencing around the perimeter of the Site, included locked gates to limit unauthorized access to areas where remediation was being conducted; and
- Obtained agency approvals and permits, including New York City Department of Buildings (NYCDOB) and NYSDOT permits (e.g., perimeter fencing, signs, and sidewalk use).

A RWP and RDD kick-off meeting was held with the Volunteer, NYSDEC, Langan, Titanium Construction, and Eurocraft on November 1, 2016.

4.2.3 General Site Controls

4.2.3.1 Site Security

The Site was secured during the remedial activities as follows:

- Perimeter security fencing and access gates with locks were installed at the boundary of the Site to prevent access by unauthorized persons.
- Safe work practices were implemented, which included:
    - Maintaining an organized work area, including the proper storage of tools, equipment, materials, and fuels; and
    - Warning tape and/or barricades placed around open excavations.

4.2.3.2 Problems Encountered

No problems were encountered that would have prevented implementation of the complete remedy in a timely manner.

4.2.4 Nuisance controls

4.2.4.1 Nuisances

Nuisances related to the remediation included odors, dust, and trucking. Odors involved with the remedial excavation were minimal, and were managed by covering stockpiles with plastic sheeting whenever they were not in use. Dust suppression was conducted by covering stockpiles with plastic sheeting and spraying water on exposed soil and concrete prior to and during excavation. Regardless, prior to leaving the Site, truck tires were washed with a hose and runoff was directed back into the Site. Sidewalks and roadways surrounding the Site were cleaned as necessary.

4.2.4.2 Complaints

No complaints were filed during construction activities at the Site.

4.2.5 CAMP Results

Air monitoring for particulates and VOCs began on January 11, 2017 and was conducted throughout the RWP/ RDD implementation during ground-intrusive activities. Implementation of the CAMP was accomplished at each air monitoring station using TSI Model 8530 DustTRAKs to monitor for particulates and MiniRAE 3000 PIDs to monitor for VOCs. Fifteen-minute running averages were calculated from the data recorded in each respective PID or DustTRAK, and averages were compared to the action levels

prescribed in the CAMP.

Particulate concentrations exceeding the 15-minute action levels were recorded during welding activities on January 20 and 25, 2017, February 6, 8, 10, 15, and 28, 2017, and March 13, 16, 17, and 25, 2017. Particulate concentrations exceeding the 15-minute average action level were also recorded during sweeping and site-wide cleaning activities on April 3, 2017, August 24, 2017 and September 18, 2017. No particulate exceedances of action levels established in the CAMP were associated with excavation activities at the Site. The particulate matter exceedances were attributable to dust generated from welding brackets to soldier piles for lagging and walers on tiebacks, both for the support of excavation (SOE) construction. Dust mitigation was accomplished through the use of water hoses.

Concentrations exceeding the 15-minute limit of VOCs occurred during equipment refueling activities and monitoring equipment malfunction as a result of high temperature and humidity levels on April 28, 2017, May 20 and 23, 2017, June 9, 10, and 15, 2017, July 10, 12, and 31, 2017, and August 1, 7, 24 and 25, 2017. These exceedances were associated with non-intrusive work, and were mitigated through ventilation and monitoring equipment recalibration/replacement.

Copies of all field data sheets relating to the CAMP are provided in electronic format in Appendix D.

4.2.6 Reporting

The RE directed field engineers, scientist and geologists that recorded personnel on-site, a summary of work completed, a CAMP summary, and the anticipated schedule of upcoming work in field books and daily reports. This data was used to track remediation progress, compliance with the RWP and RDD, and summarize completed remedial actions to be submitted to the NYSDEC in monthly BCP reports.

All daily and monthly reports are included in electronic format in Appendix C. The digital photo log required by the RWP is included in electronic format in Appendix E.

4.3 Contaminated Materials Removal

The remedial action included the removal of fill and soil exceeding Track 2 SCOs and USTs encountered during the excavation. The Track 2 SCOs are the NYSDEC Part 375 Residential Use SCOs. The remedial action included the removal of: 1) non-hazardous soil/fill; 2) hazardous lead-contaminated soil/ fill as identified and delineated in previous investigations in the southeast portion of the Site; 3) petroleum-impacted soil/ fill; and 4) five USTs.

4.3.1 Non-Hazardous Soil/ Fill

Non-Hazardous soil/ fill in exceedance of Track 2 SCOs was excavated from surface grade to depths between 15.6 and 25.16 feet bgs throughout the Site during implementation of the remedy. Material was removed to the extent practical so as not to undermine the stability of adjacent buildings. About 10,758 tons (about 7,172 cubic yards) of non-hazardous soil/fill was removed from the Site as part of remedial construction activities between February 13, 2017 and September 25, 2017. The Contractor arranged for transportation and off-site disposal of the excavated material in accordance with applicable federal, state, and local regulations. NYCRR Part 364-permitted transporters were used as required to haul the excavated material to the designated disposal facilities.

4.3.2 Hazardous Lead Contaminated Soil/ Fill

Hazardous lead-contaminated soil was identified in Langan's October 22, 2015 Waste Characterization Report. The hazardous lead area was horizontally and vertically delineated per Langan's May 15, 2016 Hazardous Lead Delineation Letter Report. Hazardous waste was removed from the Site as part of remedial construction activities on April 7, 2017. Hazardous lead-contaminated soil was direct-loaded into tri-axle dump trucks operated by J&D Trucking, Inc. (J&D) of Vineland, New Jersey. J&D transported a total of 30.16 tons (about 20 cubic yards) of hazardous waste to the Clean Earth of North Jersey facility in South Kearny, NJ, which is a facility permitted to accept hazardous waste.

4.3.3 Petroleum-Contaminated Soil/Fill

Between February 13 and 20, 2017, petroleum-contaminated soil/ fill was encountered in the east-central portion of the Site within the shallow fill layer (0 to 5 feet bgs). The material exhibited elevated PID readings, petroleum-like product, staining, and petroleum-like odors. The petroleum-contaminated soil/ fill was stockpiled separately and placed on, and covered with polyethylene sheeting prior to additional waste characterization and off-site disposal. About 315 tons (about 210 cubic yards) of non-hazardous petroleum impacted soil/fill was removed from the Site as part of remedial construction activities on February 20, 2017. The Contractor arranged for transportation and off-site disposal of the excavated material in accordance with applicable federal, state, and local regulations. NYCRR Part 364-permitted transporters were used as required to haul the excavated material to the designated disposal facilities.

Copies of disposal facility-signed manifests for soil disposal are provided in Appendix F.

4.3.4 Investigation Derived Waste

Investigation derived waste was not generated during implementation of the remedy.

4.3.5 Waste Characterization Soil Sampling

For soil requiring off-site disposal, the RE completed pre-design waste characterization sampling and analysis in accordance with typical requirements of the disposal facilities. Samples were collected to be representative of the material to be excavated concurrently with the Remedial Investigation in three stages between August 4 to 14, 2014, September 29 to October 10, 2014, and October 30 to November 7, 2014. Analytical parameters included one or more of the following:

- Total petroleum hydrocarbons (TPH) by gas chromatograph/photoionization device, including Diesel Range Organics (DRO) and Gasoline Range Organics (GRO);
- Total VOCs by Method 8260;
- Total SVOCs by Method 8270;
- Total Polychlorinated Biphenyls (PCB) by Method 8082;
- Total herbicides by Method 8151;
- Total pesticides by Method 8081;
- Total metals (14) by Method 6010B;
- Total cyanide;
- Hexavalent Chromium and Trivalent Chromium;
- Paint Filter (free liquid);
- Resource Conservation and Recovery Act (RCRA) Characteristics - Ignitability, corrosivity, and reactivity;
- Toxicity Characteristic Leaching Procedure (TCLP) metals; and
- TCLP VOCs.

Historic fill was observed in waste characterization borings throughout the Site and ranged from surface grade to depths of approximately 12 to 16 feet bgs. The fill predominately consisted of brown fine to medium sand with varying amounts of brick fragments, concrete, plastic, gravel, and marble. The native soil encountered below the fill consisted of brown fine to medium sand with trace silt. PID readings were generally not identified above background levels. A maximum PID reading of 2.8 ppm VOCs was detected at 12 feet bgs in boring EB-11. Petroleum staining and odors were not encountered during the investigation.

The fill material contained concentrations exceeding NYCRR Part 375 Unrestricted Use SCOs of VOCs, SVOCs, pesticides, and metals. Lead was identified in one composite

sample (COMP06_10-15_COMP) from 10 to 15 feet bgs above the RCRA hazardous waste criteria. Fill represented by COMP06_10-15 indicated the potential presence of hazardous waste for lead at 10 to 15 feet bgs on the eastern portion of the site. Letters from Applicants to disposal facility owners and acceptance letters from disposal facility owners are attached in Appendix G.

On January 16, 2017 a representative from Environmental Waste Minimization, Inc. (EWMI) conducted additional waste characterization soil samples for disposal facility approval. Samples were collected in accordance with typical requirements of the disposal facilities and were representative of the material to be excavated.

The waste characterization samples collected by EWMI were analyzed for the following parameters:

- Synthetic Precipitation Leaching Procedure (SPLP) antimony, mercury, and nickel
- SPLP TCE and PCE
- Total metals (lead and arsenic) by Method 6010B, and
- TCLP lead

Copies of the analytical laboratory results provided by Phoenix Environmental Laboratories, Inc. are included in Appendix H.

Based on the analytical results, the soil represented by samples collected from the southwest portion of the Site from the surface to 10 feet bgs was approved for disposal to the Tunnel Hill Reclamation facility in New Lexington, Ohio. The soil represented by samples collected from 10 to 15 feet bgs was approved for disposal to the Phase III Environmental facility in Palmerton, Pennsylvania.

On February 14, 2017 a representative from EWMI conducted additional waste characterization sampling and analysis of a stockpile containing petroleum-contaminated material excavated from the central-eastern portion of the Site. Samples were collected in accordance with typical requirements of the disposal facilities and were representative of the material to be excavated.

The waste characterization samples collected by EWMI were analyzed for the following parameters:

- Total PCBs by Method 8082
- Total VOCs by Method 8260
- Total SVOCs by Method 8270
- Extractable Petroleum Hydrocarbons (EPH), and
- DRO and GRO

Copies of the analytical laboratory results provided by SGS Accutest Laboratories are included in Appendix H.

Based on the analytical results, the soil represented by samples collected was approved for disposal to the Phase III Environmental facility in Palmerton, Pennsylvania.

On April 7, 2017 a representative from EWMI collected one five-point composite sidewall sample following the removal and off-site disposal of hazardous lead contaminated soil/fill in the southeast portion of the Site. The sample was collected in accordance with typical requirements of the disposal facilities and was representative of the material to be excavated. The sample was analyzed for total lead by Method 6010B. Based on the analytical results, the soil represented by the sample collected was approved for disposal to the Former Griffin Pipe Products Site facility in Florence, New Jersey. Copies of the analytical laboratory results provided by Phoenix Environmental Laboratories, Inc. are included in Appendix H.

4.3.5.1 Total Quantities Removed

About 10,758 tons of non-hazardous soil/fill was removed from the Site as part of the Track 2 remedy. Additionally, about 30.16 tons of hazardous lead-contaminated material and about 315 tons of petroleum-contaminated soil/ fill were removed from the Site. The table below summarizes the quantities of each material and the disposal facilities approved to accept the material.

Material Type	Quantity of Material Excavated (tons)	Disposal Facility
Petroleum-Contaminated Soil/Fill	315	Phase III - Palmerton (Palmerton, PA)
Hazardous Lead-Contaminated Soil/ Fill	30.16	Clean Earth North Jersey (Kearny, NJ)
Non-Hazardous Soil/Fill	10,758	Tunnel Hill Landfill (New Lexington, OH), Bayshore Soil Management (Keasbey, NJ) and Griffin Pipe (Florence, NJ)

Petroleum-contaminated soil/fill, hazardous lead-contaminated soil/fill, and non-hazardous soil/fill was transported off-site using NYCRR Part 364-permited transporters and a valid USEPA Hazardous Materials Certificate of Registration where applicable, as required. Excavation and disposal activities occurred from January 12 through September 25, 2017. Table 2 summarizes the total quantities of each category of material removed from the Site and the disposal locations.

4.3.5.2 Underground Storage Tanks

Five USTs were encountered during implementation of the remedy, and were consistent with a 1921 historic Sanborn map and geophysical survey findings observed during the RI. The USTs were decommissioned in accordance with 6 NYCRR Part 612.2 and 613.9, and DER-10 Section 5.5. The foundation contractor sub-contracted RiteWay Tank Maintenance Corp., an FDNY-licensed contractor, to decommission the USTs. Below is a summary of the removed USTs:

- UST 1- One 275-gallon UST was discovered while excavating in the south-central portion of the Site on February 2, 2017. On February 13, 2017, RiteWay removed about 55 gallons of bottom sludge waste from the UST. The UST was intact without observable signs of corrosion or cracks. Tank contents and tank bottom sludge were transported to Clean Water of New York for disposal. Following cleaning of the tank, the UST was disposed of as scrap metal to Benson Scrap, located at 543 Smith Street in Brooklyn, New York.
- UST 2- One 750-gallon UST was discovered while excavating in the east-central portion of the Site on February 13, 2017. On February 15, 2017, RiteWay cut open the UST, removed bottom sediment and residue from the interior of the tank and containerized the solids within a 55-gallon steel drum. Water was used to clean the interior of the tank, and about 10 gallons of oily wash water were removed using a vacuum truck. The UST was intact without observable signs of corrosion or cracks. Tank contents and oily wash water were transported to Clean Water of New York for disposal. Following cleaning of the tank, the UST was disposed of as scrap metal to Benson Scrap, located at 543 Smith Street in Brooklyn, New York.
- UST 3- One 15-gallon UST was discovered while excavating in the east-central portion of the Site on February 13, 2017. The top of the UST appeared cut, and petroleum-like odors were observed originating from the open portion of the tank. Petroleum-like sludge was observed within the tank interior, and maximum PID headspace readings were 800 ppm VOCs. The UST was wrapped in polyethylene sheeting for future off-site disposal. No evidence of a release of petroleum to surrounding subsurface was observed. On February 15, 2017, RiteWay containerized petroleum-impacted solids from within the UST in a 55-gallon steel drum. Water was used to clean the interior of the tank, and about 5 gallons of oily wash water were removed using a vacuum truck. Tank contents and oily wash water were transported to Clean Water of New York for disposal. Following cleaning of the tank, the UST was disposed of as scrap metal to Benson Scrap, located at 543 Smith Street in Brooklyn, New York.

- UST 4- One 700-gallon UST was discovered while excavating in the southwest portion of the Site on February 21, 2017. A petroleum-like liquid and water were observed within the tank, and maximum PID headspace readings of 741.2 ppm VOCs were detected. On February 24, 2017, RiteWay removed about 700 gallons of oily water using a vacuum truck from the UST. RiteWay removed sediment and residue from the interior of the tank and containerized the solids in a 55-gallon steel drum. After cleaning, the tank was inspected. The UST was intact without observable signs of corrosion or cracks. Tank contents and tank bottom sludge were transported to Clean Water of New York for disposal. Following cleaning of the tank, the UST was disposed of as scrap metal to Benson Scrap, located at 543 Smith Street in Brooklyn, New York.
- UST 5- One 550-gallon UST was discovered on March 6, 2017, in the southwest portion of the Site. No liquid was observed within the tank. On March 7, 2017, RiteWay cut open the UST, scraped tank residue from the sides and bottom of the tank, and containerized the solids in a 55-gallon steel drum. The interior of the tank was cleaned on-site. After cleaning, the tank was inspected. An approximately 2-inch diameter hole was observed in the southeast corner of the tank, and a crack was observed along the western seam of the tank. No evidence of a release of petroleum to surrounding subsurface was observed. Tank contents were transported to Clean Water of New York for disposal. Following cleaning of the tank, the UST was disposed of as scrap metal to Benson Scrap, located at 543 Smith Street in Brooklyn, New York.

The approximate locations where the USTs were discovered are shown on Figure 4.

Following UST removals, bottom and sidewall soil endpoint samples were collected as per the NYSDEC DER-10 requirements. The samples were collected as part of the documentation plan (discussed in Section 4.4 below). A UST registration and closure request were submitted to the NYSDEC Petroleum Bulk Storage (PBS) Section on November 28, 2017. UST closure documentation, such as tank removal affidavits, disposal manifests, and PBS database information, is provided as Appendix I. Post excavation analytical laboratory reports are provided in Appendix H and summarized in Table 3.

4.3.5.3 Groundwater

Site-wide perimeter construction dewatering via a well point system was required to reach the final excavation depth. Groundwater from the site was pre-treated to reduce contaminant concentrations below NYCDEP effluent limitations prior to discharge per the August 10, 2016 Hydrogeological Investigation and Dewatering Plan, provided in Appendix J. Dewatering fluids were pumped to a 7,750-gallon fractionation tank for

sedimentation purposes. Following sedimentation, dewatering fluids were pumped to two 3,000-gallon activated carbon tanks for treatment per the NYSDEC-approved RWP. Following treatment, dewatered groundwater was pumped into a combined sewer in Leroy Street between Greenwich Street and Washington Street, per the February 15, 2017 NYCDEP permit. Dewatering points were grouted upon dewatering completion.

All remedial investigation site wells were decommissioned during site-wide remedial excavation activities to below the water table. The remaining four sidewalk wells were decommissioned on October 19 and 20, 2017 in accordance with NYSDEC CP-43 Policy and the NYSDEC-approved Work Plan for Monitoring Well Decommissioning, dated October 16, 2017 by Langan. Field inspection logs, well decommissioning records, a monitoring well location plan and a copy of the NYSDEC-approved work plan for monitoring well decommissioning is provided in Appendix K.

4.3.5.4 On-Site Material Reuse

Site soil and urban fill was not reused on the Site.

4.4 Remedial Performance/Documentation Sampling

4.4.1 Soil

Per the RWP and NYSDEC DER-10 policy, documentation soil samples were collected at a frequency of one base excavation sample for every 900 square feet. Based on these criteria, 10 base documentation endpoint samples plus the required quality assurance/ quality control (QA/QC) samples, were collected from the base of the remedial excavation. Sidewall endpoint documentation samples were not collected because the remedial excavation extended to the north-adjacent building, and at minimum 4 feet beyond the BCP Site boundary in the east, south and west directions, up to the SOE. Table 4 and Figure 5 summarize documentation soil sample and QA/QC sample results and include comparison to Track 2 NYSDEC Residential SCOs. Full laboratory reports are included in Appendix H.

Data Usability Summary Reports (DUSR) were prepared for all soil samples (and related QA/QC samples) collected during the remedy. The data usability review confirmed that the data presented in these reports is of an appropriate quality for its intended usage. These DUSRs are included in Appendix L.

4.4.2 Groundwater

Groundwater samples collected from monitoring wells MW-1 and MW-2 during the August 14, 2014 investigation contained chlorinated volatile organic compounds (CVOCs) with concentrations exceeding the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance

Values for Class GA water. In accordance with the NYSDEC-approved remedy, the Site was dewatered for more than 6 months and treated through an activated carbon treatment system prior to discharge to the city sewer in accordance with the NYCDEP discharge permit. The well-point dewatering system encircled the Site and over the course of the remediation, hundreds of thousands of gallons of groundwater were pumped, treated, and discharged to the city sewer.

On April 25, 2017, Langan collected an effluent sample from the dewatering discharge area for analysis of VOCs in order to evaluate the effectiveness of the dewatering treatment system. Table 5 summarizes the treated effluent results and includes comparison to the TOGS 1.1.1 AWQS. Dewatering specifications and the NYCDEP permit are provided in Appendix J.

Following the site-wide mass excavation to greater than 15 feet bgs and well point dewatering and treatment for over six months, Langan collected three groundwater samples at locations approved by NYSDEC to evaluate the necessity to implement further in-situ treatment to remediate residual CVOC impacts to groundwater. On August 1, 2017, three groundwater samples and associated QA/QC samples were collected from dewatering wells located along the perimeter of the Site in close proximity to MW-1 (DW-01 and DW-02) and down-gradient of former monitoring well MW-2 (DW-03). Post-remedy groundwater sample locations are shown on Figure 6. Table 6 summarizes groundwater sample results and includes comparison to the TOGS 1.1.1 AWQS SGVs for Class GA.

DUSRs were prepared for all groundwater samples (and related QA/QC samples) collected during the remedy. The data usability review confirmed that the data presented in these reports is of an appropriate quality for its intended usage. These DUSRs are included in Appendix L.

4.5 Imported Backfill

About 228 tons (about 152 cubic yards) of backfill was imported to bring the excavation to development grade. Imported backfill consisted of ¾-inch clean blue stone. The table below summarizes the quantity of imported material and its origin facility.

The ¾-inch clean blue stone was backfilled below elevator pits in the eastern portion of the Site, and was backfilled as a sub-base in the southwest portion of the remedial excavation. In the southwest portion of the Site, a non-woven geotextile fabric was placed on top of the compacted subgrade prior to placement of the ¾-inch clean blue stone. Following backfill placement, the new building concrete slab was installed Site-wide.

The table below summarizes the quantity of backfill material and origin facility.

Type of Material	Location Backfilled on the Site	Quantities Imported (tons)	Facility Name	Facility Location	Met Residential SCOs (Yes/No)
¾-inch Clean Blue Stone	Base Stone for Remediation	228.37	Impact Recovery and Reuse Center	Lyndhurst, NY	NA

NA = not applicable (The SCOs are not applicable because the material met the sieve requirements to forego analysis in accordance with DER-10)

The backfill material met sieve requirements specified in DER-10 and was exempt from environmental analysis per DER-10. The facility permit documentation, material source letter, and sieve analysis were provided for review and complied with DER-10 requirements. Imported material documentation, including weight tickets, is provided in Appendix M, and imported material approval documentation is provided in Appendix N. A summary of the loads of backfill imported to the Site is included as Table 7 and backfilled locations are shown on Figure 7.

4.6 Remaining Contamination at the Site

4.6.1 Soil

Material was removed from the Site to greater than 15 feet below grade and to the extent practical, which was generally limited by the necessity to protect the stability of the adjacent building and street structures. Final excavation depths varied from about 15.6 to 25.16 feet bgs (about el -2 to el -10). Documentation soil samples collected from the remedial excavation were analyzed for NYSDEC Part 375 list VOCs, SVOCs, pesticides, PCBs, and metals by an NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory. Results were compared to Track 2 NYSDEC Part 375 Residential SCOs. An excavation plan is included as Figure 3. Analytical results are shown in Figure 5. The remaining contamination is summarized as follows:

- The following constituent was detected in soil from post-remedy endpoint samples at concentrations that exceed Track 2 Residential Use SCOs:
    - One metal: Barium

The barium exceedance was detected from a documentation endpoint soil sample collected by Langan on July 19, 2017 from final subgrade (17 feet bgs or about el -3.4) in the vicinity of former remedial investigation sample location EB02. Barium was not detected in exceedance of NYSDEC TOGS 1.1.1 AWQS for Class GA water in groundwater samples collected during the RI. Based on the groundwater results and

the excavation depth (in native material below 15 feet bgs) in this portion of the Site. Exposure to subsurface soil is prevented by the new concrete building foundation.

A documentation sample detection summary is shown in Table 4, and a map summarizing documentation analytical results is presented in Figure 5. A remedial excavation survey provided by the Contractor is provided in Appendix O.

4.6.2 Groundwater

Site-wide dewatering was completed for more than six months via extraction wells along the perimeter of the Site. Groundwater treatment was performed through an activated carbon treatment system prior to discharge to the city sewer in accordance with the NYCDEP discharge permit. The dewatering well-point system encircling the site extracted hundreds of thousands of gallons of groundwater over the course of the remediation.

Following site-wide excavation to depths greater than 15 feet bgs, Langan collected three confirmation post-remedy groundwater samples at locations approved by NYSDEC for CVOC analysis. On August 1, 2017, three groundwater samples and associated QA/QC samples were collected from dewatering wells located along the perimeter of the Site in close proximity to MW-1 (DW-01 and DW-02) and down-gradient of former monitoring well MW-2 (DW-03).

The following groundwater contaminants were identified above TOGS 1.1.1 AWQS for Class GA groundwater during the post-remedy groundwater sampling event:

- Three VOCs: cis-1,2-Dichloroethene, PCE and TCE

Analytical results from the post-remedy groundwater sampling event indicate significantly reduced levels of chlorinated VOCs remain in on-site groundwater. Soil excavated and characterized as part of the remedial excavation did not identify a chlorinated solvent source to groundwater. In addition, the influence of groundwater flow direction on potential contaminant migration for this Site is relatively negligible. The groundwater flow direction was established during the Remedial Investigation and was documented to be essentially flat. There was approximately a 0.05 foot differential in groundwater elevation across the Site. Based on the analytical results from post-remedy groundwater and soil documentation sampling which demonstrate effective source removal of chlorinated solvents, the relatively flat hydraulic gradient, extensive treatment of dewatered groundwater through the dewatering treatment system, and discussions with NYSDEC, performance of the in-situ groundwater treatment was not required.

Post-remedy groundwater sample locations are shown on Figure 6. Table 6 summarizes groundwater sample results and includes comparison to the TOGS 1.1.1 AWQS Guidance Values for Class GA water.

4.6.3 Soil Vapor

Site remediation included site-wide soil excavation to greater than 15 feet bgs, removal of about 10,758 tons of non-hazardous soil/ fill, 30.16 tons of hazardous lead-contaminated material and 315 tons of petroleum-contaminated soil/ fill, and dewatering for over 6 months (including pre-treatment of dewatering fluids via activated carbon tanks) to facilitate construction of the building foundations within the groundwater table. No soil vapor is able to accumulate below the cellar slab because the concrete foundation elements and slab are within the groundwater table. Following excavation and during the construction of the new building foundation, a continuous sub-slab vapor barrier membrane was installed beneath the new concrete slab. The continuous sub-slab vapor barrier membrane consists of Grace Preprufe® 300R underneath the building slab, Grace Preprufe 160R Plus on subsurface sidewalls, and Bituthene liquid and Preprufe Tape LT to seal penetrations in the membrane. Although not an engineering control for the site, the continuous sub-slab vapor barrier system is a permanent feature and the quality and integrity of the system was inspected prior to the installation of the building slab. In addition, analytical results from the post-remedy groundwater sampling event indicate significantly reduced levels of chlorinated VOCs remain in on-site groundwater. Soil excavated and characterized as part of the remedial excavation did not identify a chlorinated solvent source to groundwater. Considering the results of the documentation soil and groundwater quality following remedial excavation, additional SVI evaluation and sampling is not necessary.

4.7 Engineering Controls

The Track 2 Residential remedy does not require Engineering Controls (EC) or implementation of EC management and long-term management under a site-specific Site Management Plan.

Although not an EC for the Site, a new 24- to 54-inch-thick reinforced concrete slab/ foundation were installed site-wide as part of the building construction. Figure 8 shows the concrete slab/foundation location, and the cellar foundation as-built drawings are included in Appendix O.

Although not an EC for the Site, the bottom of the reinforced concrete slab and cellar concrete sidewalls are bonded to a waterproofing/ vapor barrier membrane that was installed as part of building construction. The membrane would act as a vapor barrier to prevent infiltration of soil vapor through potential cracks in the slab. The continuous sub-slab vapor barrier membrane consists of Grace Preprufe® 300R Plus underneath

the building slab, and Grace Preprufe® 160R Plus and Bituthene® on subsurface sidewalls. Refer to Figure 8 for the vapor barrier extents and to Appendix P for the vapor barrier details and installation certification.

4.8 Institutional Controls

The Track 2 Residential Site remedy does not require Institutional Controls (IC) including an Environmental Easement. A draft Environmental Easement was submitted to NYSDEC; however, based on the achievement of a Track 2 Residential cleanup, the draft Environmental Easement is no longer required and will be rescinded.

4.9 Deviations From the Remedial Work Plan

There were no deviations from the RWP or RDD.

TABLES

Table 1
Track 2 Soil Cleanup Objectives
601 Washington Street
New York, New York
Langan Project No. 170263301
BCP Site No. C231091

VOCs (mg/kg)	Residential SCOs	Protection of Groundwater SCOs
1,1,1-Trichloroethane	100	~
1,1-Dichloroethane	19	~
1,1-Dichloroethylene	100	~
1,2,4-Trimethylbenzene	47	~
1,2-Dichlorobenzene	100	~
1,2-Dichloroethane	2.3	~
1,3,5-Trimethylbenzene	47	~
1,3-Dichlorobenzene	17	~
1,4-Dichlorobenzene	9.8	~
1,4-Dioxane	9.8	~
2-Butanone	100	~
Acetone	100	~
Benzene	2.9	~
Carbon tetrachloride	1.4	~
Chlorobenzene	100	~
Chloroform	10	0.37
cis-1,2-Dichloroethylene	59	0.25
Ethyl Benzene	30	~
Methyl tert-butyl ether (MTBE)	62	~
Methylene chloride	51	~
n-Butylbenzene	100	~
n-Propylbenzene	100	~
sec-Butylbenzene	100	~
tert-Butylbenzene	100	~
Tetrachloroethylene	5.5	1.3
Toluene	100	~
trans-1,2-Dichloroethylene	100	~
Trichloroethylene	10	0.47
Vinyl Chloride	0.21	~
Xylenes, Total	100	~
Metals (mg/kg)	**Residential SCOs**	**Protection of Groundwater SCOs**
Arsenic	16	~
Barium	350	~
Beryllium	14	~
Cadmium	2.5	~
Chromium, hexavalent	22	~
Chromium, trivalent	36	~
Copper	270	~
Lead	400	~
Manganese	2,000	~
Mercury	0.81	~
Nickel	140	~
Selenium	36	~
Silver	36	~
Zinc	2,200	~

SVOCs (mg/kg)	Residential SCOs	Protection of Groundwater SCOs
2-Methylphenol	100	~
Acenaphthene	100	~
Acenaphthylene	100	~
Anthracene	100	~
Benzo(a)anthracene	1	~
Benzo(a)pyrene	1	~
Benzo(b)fluoranthene	1	~
Benzo(g,h,i)perylene	100	~
Benzo(k)fluoranthene	1	~
Chrysene	1	~
Dibenzo(a,h)anthracene	0.33	~
Dibenzofuran	59	~
Fluoranthene	100	~
Fluorene	100	~
Hexachlorobenzene	1.2	~
Indeno(1,2,3-cd)pyrene	0.5	~
Naphthalene	100	~
Pentachlorophenol	2.4	~
Phenanthrene	100	~
Phenol	100	~
Pyrene	100	~
PCBs/Pesticides (mg/kg)	**Residential SCOs**	**Protection of Groundwater SCOs**
2,4,5-TP Acid (Silvex)	58	~
4,4'-DDE	1.8	~
4,4'-DDT	1.7	~
4,4'-DDD	2.6	~
Aldrin	0.019	~
alpha-BHC	0.097	~
beta-BHC	0.072	~
Chlordane (alpha)	0.91	~
delta-BHC	100	~
Dibenzofuran	14	~
Dieldrin	0.039	~
Endosulfan I	4.8	~
Endosulfan II	4.8	~
Endosulfan sulfate	4.8	~
Endrin	2.2	~
Heptachlor	0.42	~
Lindane	0.28	~
Polychlorinated biphenyls	1	~

Notes:
SCO: Soil Cleanup Objective
SVOC: semivolatile organic compound
VOC: volatile organic compound
PCB: polychlorinated biphenyl
mg/kg: milligram per kilogram
Residential SCOs: NYSDEC Part 375 Residential Use Soil Cleanup Objectives.
Protection of Groundwater SCOs: NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives. These standards are only presented for analytes that were detected in groundwater samples above their applicable state standards during the Remedial Investigation.

Table 2
Summary of Excavations and Disposal Quantity
601 Washington Street
New York, New York
Langan Project No. 170263301
BCP site No. C231091

		Transporter Info				Waste Tracking				Disposal Facility Info	
LOAD COUNTER	DATE	TRUCKING COMPANY	TRUCK LICENSE PLATE STATE	TRUCK No.	TRUCK LICENSE PLATE NUMBER	MANIFEST NUMBER	GRID NUMBER	MATERIAL TYPE	DISPOSAL FACILITY	COUNTERSIGNED MANIFEST/WEIGHT TICKET NUMBER	AMOUNT DISPOSED OFF-SITE (TON)
1	2/13/2017	MCB Trucking	NJ	8	AS687P	437042	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008195	31.70
2	2/13/2017	MCB Trucking	NJ	7	AS171C	437043	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008252	32.62
3	2/13/2017	J Granda Trans, LLC	NJ	7	AR422E	437044	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008257	32.12
4	2/13/2017	Andrades	NJ	6	AS2955	437045	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008253	30.66
5	2/13/2017	JMJ Pro Trucks	NJ	14	AT398P	437046	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008256	28.00
6	2/13/2017	JMJ Pro Trucks	NJ	11	AT395P	437047	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008258	26.46
7	2/13/2017	JMJ Pro Trucks	NJ	13	AT397P	437048	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008259	28.69
8	2/13/2017	MCB Trucking	NJ	9	AS688P	437049	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008289	32.90
9	2/13/2017	MCB Trucking	NJ	3	AP322V	437050	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008260	30.78
10	2/13/2017	JMJ Pro Trucks	NJ	12	AT396P	437051	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008291	31.12
11	2/13/2017	MCB Trucking	NJ	8	AS687P	437052	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008267	31.52
12	2/13/2017	MCB Trucking	NJ	7	AS171C	437053	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008271	32.67
13	2/13/2017	Andrades	NJ	6	AS2955	437054	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008282	31.00
14	2/13/2017	JMJ Pro Trucks	NJ	14	AT3988	437055	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008281	33.06
15	2/13/2017	J Granda Trans, LLC	NJ	7	AR422E	437056	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008287	31.36
16	2/13/2017	MCB Trucking	NJ	9	AS688P	437057	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008296	31.59
17	2/13/2017	MCB Trucking	NJ	3	AP322V	437058	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008307	29.46
18	2/13/2017	JMJ Pro Trucks	NJ	13	AT397P	437059	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008308	26.98
19	2/13/2017	JMJ Pro Trucks	NJ	11	AT395P	437060	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008310	29.78
20	2/13/2017	JMJ Pro Trucks	NJ	12	AT396P	437061	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008322	33.29
21	2/20/2017	Mendez	NJ	57	AS269R	437014	COMP04 (0-5) & COMP05 (5-10) STOCKPILE COMP STOCKPILE GRAB EXCAVATION COMP EXCAVATION GRAB EPB01_5-6, EPB02_5-6	Non-Hazardous Petroleum Contaminated Soil/Fill	Phase III	7092544	26.60
22	2/20/2017	Mendez	NJ	52	AS757P	437015	COMP04 (0-5) & COMP05 (5-10) STOCKPILE COMP STOCKPILE GRAB EXCAVATION COMP EXCAVATION GRAB EPB01_5-6, EPB02_5-6	Non-Hazardous Petroleum Contaminated Soil/Fill	Phase III	7092550	30.08
23	2/20/2017	Mendez	NJ	91	AN556Y	437016	COMP04 (0-5) & COMP05 (5-10) STOCKPILE COMP STOCKPILE GRAB EXCAVATION COMP EXCAVATION GRAB EPB01_5-6, EPB02_5-6	Non-Hazardous Petroleum Contaminated Soil/Fill	Phase III	7092556	27.11
24	2/20/2017	Mendez	NJ	89	AS354M	437017	COMP04 (0-5) & COMP05 (5-10) STOCKPILE COMP STOCKPILE GRAB EXCAVATION COMP EXCAVATION GRAB EPB01_5-6, EPB02_5-6	Non-Hazardous Petroleum Contaminated Soil/Fill	Phase III	7092555	26.57
25	2/20/2017	Mendez	NJ	55	AS5208	437020	COMP04 (0-5) & COMP05 (5-10) STOCKPILE COMP STOCKPILE GRAB EXCAVATION COMP EXCAVATION GRAB EPB01_5-6, EPB02_5-6	Non-Hazardous Petroleum Contaminated Soil/Fill	Phase III	7092557	26.56
26	2/20/2017	Mendez	NJ	49	AT558E	437021	COMP04 (0-5) & COMP05 (5-10) STOCKPILE COMP STOCKPILE GRAB EXCAVATION COMP EXCAVATION GRAB EPB01_5-6, EPB02_5-6	Non-Hazardous Petroleum Contaminated Soil/Fill	Phase III	7092561	25.34
27	2/20/2017	Mendez	NJ	24	AP690W	437022	COMP04 (0-5) & COMP05 (5-10) STOCKPILE COMP STOCKPILE GRAB EXCAVATION COMP EXCAVATION GRAB EPB01_5-6, EPB02_5-6	Non-Hazardous Petroleum Contaminated Soil/Fill	Phase III	7092565	28.03
28	2/20/2017	Mendez	NJ	53	AS758P	437023	COMP04 (0-5) & COMP05 (5-10) STOCKPILE COMP STOCKPILE GRAB EXCAVATION COMP EXCAVATION GRAB EPB01_5-6, EPB02_5-6	Non-Hazardous Petroleum Contaminated Soil/Fill	Phase III	7092568	27.82
29	2/20/2017	Mendez	NJ	28	AN869W	437024	COMP04 (0-5) & COMP05 (5-10) STOCKPILE COMP STOCKPILE GRAB EXCAVATION COMP EXCAVATION GRAB EPB01_5-6, EPB02_5-6	Non-Hazardous Petroleum Contaminated Soil/Fill	Phase III	1086172	33.71
30	2/20/2017	Mendez	NJ	100	AP638R	437025	COMP04 (0-5) & COMP05 (5-10) STOCKPILE COMP STOCKPILE GRAB EXCAVATION COMP EXCAVATION GRAB EPB01_5-6, EPB02_5-6	Non-Hazardous Petroleum Contaminated Soil/Fill	Phase III	1086168	29.40
31	2/20/2017	Mendez	NJ	56	AS521B	437026	COMP04 (0-5) & COMP05 (5-10) STOCKPILE COMP STOCKPILE GRAB EXCAVATION COMP EXCAVATION GRAB EPB01_5-6, EPB02_5-6	Non-Hazardous Petroleum Contaminated Soil/Fill	Phase III	1086171	33.52
32	2/21/2017	Mendez	NJ	89	AS359M	437062	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008639	29.43
33	2/21/2017	Mendez	NJ	52	AS757P	437063	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008640	32.88
34	2/21/2017	Mendez	NJ	55	AS520B	437064	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008641	29.71
35	2/21/2017	Mendez	NJ	49	AT558B	437065	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008642	28.27
36	2/21/2017	Mendez	NJ	50	AS755P	437066	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008643	30.89
37	2/21/2017	Mendez	NJ	24	AP690W	437067	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008644	31.03
38	2/21/2017	Mendez	NJ	57	AS269R	437068	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008645	28.88
39	2/21/2017	Mendez	NJ	53	AS758P	437069	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008646	30.57
40	2/21/2017	Mendez	NJ	52	AS757P	437070	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008657	31.99
41	2/21/2017	Mendez	NJ	89	AS359M	437071	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008658	29.65
42	2/21/2017	Mendez	NJ	55	AS520B	437072	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008661	28.10
43	2/21/2017	Mendez	NJ	49	AT558B	437073	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008662	29.30
44	2/21/2017	Mendez	NJ	50	AS755P	437074	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008663	31.30
45	2/21/2017	Mendez	NJ	57	AS269R	437075	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008665	28.19
46	2/21/2017	Mendez	NJ	53	AS758P	437076	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008691	29.94
47	2/21/2017	JMJ Pro Trucks	NJ	10	AT275F	437077	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008677	32.10
48	2/21/2017	JMJ Pro Trucks	NJ	1	AP462L	437078	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008678	29.95
49	2/21/2017	JMJ Pro Trucks	NJ	13	AT397P	437079	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008673	29.15
50	2/21/2017	MCB Trucking	NJ	7	AS171C	437080	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008676	32.91
51	2/21/2017	JMJ Pro Trucks	NJ	11	AT395P	437081	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008679	33.89
52	2/21/2017	JMJ Pro Trucks	NJ	8	AS476V	437082	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008680	37.04
53	2/21/2017	JMJ Pro Trucks	NJ	2	AP948W	437083	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008690	30.97
54	2/21/2017	Mendez	NJ	24	AP690W	437084	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008682	31.18
55	2/21/2017	JMJ Pro Trucks	NJ	4	AS677F	437085	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008686	34.55
56	2/21/2017	Muñoz	NJ	36	AN843J	437086	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008685	34.10
57	2/21/2017	Mendez	NJ	51	AS756P	437087	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008688	29.75

Table 2
Summary of Excavations and Disposal Quantity
601 Washington Street
New York, New York
Langan Project No. 170263301
BCP site No. C231091

		Transporter Info				Waste Tracking				Disposal Facility Info	
LOAD COUNTER	DATE	TRUCKING COMPANY	TRUCK LICENSE PLATE STATE	TRUCK No.	TRUCK LICENSE PLATE NUMBER	MANIFEST NUMBER	GRID NUMBER	MATERIAL TYPE	DISPOSAL FACILITY	COUNTERSIGNED MANIFEST/WEIGHT TICKET NUMBER	AMOUNT DISPOSED OFF-SITE (TON)
58	2/22/2017	Mendez	NJ	24	AP690W	437088	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008693	30.38
59	2/22/2017	Mendez	NJ	52	AS757P	437089	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008694	32.55
60	2/22/2017	Mendez	NJ	49	AT558B	80668	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	792865	28.17
61	2/22/2017	Mendez	NJ	55	AS520B	437090	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008695	29.40
62	2/22/2017	JMJ Pro Trucks	NJ	14	AT398P	437091	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008697	31.16
63	2/22/2017	JMJ Pro Trucks	NJ	13	AT397P	437092	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008699	29.41
64	2/22/2017	JMJ Pro Trucks	NJ	11	AT395P	437093	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008700	31.88
65	2/22/2017	Mendez	NJ	57	AS269R	437094	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008702	27.82
66	2/22/2017	Mendez	NJ	53	AS758P	437095	COMP04 (0-5) & COMP05 (5-10)	Non-Hazardous Soil/Fill	Griffin Pipe	10008703	28.76
67	2/22/2017	Mendez	NJ	21	AN694R	80669	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793105	29.56
68	2/22/2017	Mendez	NJ	49	AT558B	80670	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793165	30.38
69	2/22/2017	CF Brothers Transportation	NJ	9	AR847C	80671	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793203	30.49
70	2/22/2017	Mendez	NJ	41	AS986S	80672	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793210	28.77
71	2/22/2017	Manolos	NJ	11	AT914A	80673	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793213	31.69
72	2/22/2017	Mendez	NJ	24	AP690W	80674	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793250	30.60
73	2/22/2017	Mendez	NJ	52	AS757P	80675	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793262	32.95
74	2/22/2017	Mendez	NJ	43	AT557B	80676	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793277	25.49
75	2/22/2017	J Granda Trans, LLC	NJ	7	AR422E	80677	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793276	32.09
76	2/22/2017	Mendez	NJ	55	AS520B	80685	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793300	31.18
77	2/22/2017	MCB Trucking	NJ	3	AP322V	80686	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793307	33.05
78	2/22/2017	Manolos	NJ	10	AS640N	80687	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793338	33.82
79	2/22/2017	JMJ Pro Trucks	NJ	14	AT398P	80688	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793326	32.60
80	2/22/2017	JMJ Pro Trucks	NJ	13	AT397P	80689	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793344	26.30
81	2/22/2017	JMJ Pro Trucks	NJ	11	AT395P	80690	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793357	24.74
82	2/22/2017	Amelia Trucking	NJ	12	AT400F	80691	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793364	32.20
83	2/22/2017	Uriel	NJ	777	AT245N	80692	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793375	27.99
84	2/22/2017	Mendez	NJ	57	AS269R	80693	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793391	32.21
85	2/22/2017	Mendez	NJ	53	AS758P	80694	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793400	32.26
86	2/22/2017	Mendez	NJ	21	AN694R	80695	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793414	31.33
87	2/22/2017	Mendez	NJ	49	AT558B	80696	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793437	32.05
88	2/22/2017	CF Brothers Transportation	NJ	9	AR847C	80697	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793465	32.11
89	2/22/2017	Manolos	NJ	11	AT914A	80698	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793454	33.11
90	2/22/2017	Mendez	NJ	41	AS986S	80699	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793471	35.92
91	2/22/2017	Manolos	NJ	7	AR207H	80700	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793485	35.10
92	2/22/2017	Mendez	NJ	24	AP690W	80701	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793491	29.73
93	2/22/2017	Mendez	NJ	52	AS757P	80702	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793489	32.60
94	2/22/2017	Mendez	NJ	43	AT557B	80703	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793503	31.09
95	2/22/2017	Mendez	NJ	55	AS520B	80704	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793504	30.58
96	2/22/2017	Mendez	NJ	94	AT627N	80705	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793513	34.58
97	2/22/2017	Mendez	NJ	44	AS530D	80706	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Bayshore	793521	31.05
98	3/6/2017	Cardella	NJ	58	AN873H	22482	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	228096	21.35
99	3/6/2017	Cardella	NJ	61	AS186Z	22478	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	228103	26.51
100	3/6/2017	Cardella	NJ	58	AN873H	22483	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	228137	27.78
101	3/6/2017	Cardella	NJ	61	AS186Z	22479	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	228143	26.38
102	3/6/2017	Cardella	NJ	58	AN873H	22484	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	228179	25.84
103	3/6/2017	Cardella	NJ	61	AS186Z	22480	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	228185	23.99
104	3/6/2017	Cardella	NJ	58	AN873H	0371	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	228208	26.09
105	3/6/2017	Cardella	NJ	61	AS186Z	22481	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	228219	25.37
106	3/13/2017	Cardella	NJ	91	AT329W	22019	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229315	27.13
107	3/13/2017	Cardella	NJ	59	AT671G	22026	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229325	29.64
108	3/13/2017	Cardella	NJ	88	AT968A	22023	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229327	22.86
109	3/13/2017	Cardella	NJ	91	AT329W	22020	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229349	28.80
110	3/13/2017	Cardella	NJ	59	AT671G	22027	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229356	30.21
111	3/13/2017	Cardella	NJ	88	AT968A	22025	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229358	22.55
112	3/13/2017	Cardella	NJ	91	AT329W	22021	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229385	27.84
113	3/13/2017	Cardella	NJ	88	AT968A	22024	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229389	23.39
114	3/13/2017	Cardella	NJ	59	AT671G	22029	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229394	30.07
115	3/13/2017	Cardella	NJ	91	AT329W	22022	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229418	27.28
116	3/13/2017	Cardella	NJ	88	AT968A	22279	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229429	26.16
117	3/13/2017	Cardella	NJ	59	AT671G	22028	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229513	31.45
118	3/16/2017	Cardella	NJ	87	AT967A	22081	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229706	26.05
119	3/16/2017	Cardella	NJ	87	AT967A	22082	COMP01 (0-5) &COMP02 (5-10)	Non-Hazardous Soil/Fill	Tunnel Hill	229780	25.04

Table 2
Summary of Excavations and Disposal Quantity
601 Washington Street
New York, New York
Langan Project No. 170263301
BCP site No. C231091

		Transporter Info				Waste Tracking				Disposal Facility Info	
LOAD COUNTER	DATE	TRUCKING COMPANY	TRUCK LICENSE PLATE STATE	TRUCK No.	TRUCK LICENSE PLATE NUMBER	MANIFEST NUMBER	GRID NUMBER	MATERIAL TYPE	DISPOSAL FACILITY	COUNTERSIGNED MANIFEST/WEIGHT TICKET NUMBER	AMOUNT DISPOSED OFF-SITE (TON)
120	4/7/2017	J & D Trucking, Inc	NJ	7	AS337X	16531022	COMP06(10-15) & EB09R_13-14, EB09R_16-17	Hazardous Lead-Contaminated Soil/Fill	CENJ	60320	30.16
121	4/19/2017	Mendez	NJ	56	AS521B	80707	COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	816820	31.58
122	4/19/2017	MCB Trucking	NJ	3	AP322V	80708	COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	816824	34.01
123	4/19/2017	Mendez	NJ	288	AS763L	80709	COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	816845	29.23
124	4/19/2017	MCB Trucking	NJ	9	AS688P	80710	COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	816850	31.04
125	4/19/2017	MCB Trucking	NJ	5	AP880S	80711	COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	816856	32.08
126	4/19/2017	CF Brothers Transportation	NJ	71	AP733S	80712	COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	816869	31.62
127	4/19/2017	CF Brothers Transportation	NJ	10	AT195P	80713	COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	816887	29.29
128	4/19/2017	Mendez	NJ	13	AP278K	80714	COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	816930	24.21
129	4/19/2017	CF Brothers Transportation	NJ	12	AS137R	80715	COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	816914	30.67
130	4/19/2017	CF Brothers Transportation	NJ	9	AR874C	80716	COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	816910	34.59
131	4/19/2017	MCB Trucking	NJ	3	AP322V	80717	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	816998	31.11
132	4/19/2017	MCB Trucking	NJ	9	AS688P	80718	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817026	29.64
133	4/19/2017	MCB Trucking	NJ	5	AP880S	80719	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817029	32.47
134	4/19/2017	CF Brothers Transportation	NJ	71	AP733S	80720	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817035	33.41
135	4/19/2017	CF Brothers Transportation	NJ	10	AT195P	80721	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817042	26.61
136	4/19/2017	CF Brothers Transportation	NJ	9	AR874C	80722	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817066	32.94
137	4/19/2017	MCB Trucking	NJ	3	AP322V	80723	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817163	31.83
138	4/19/2017	MCB Trucking	NJ	9	AS688P	80724	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817153	29.82
139	4/19/2017	Plus Trucking Corporation	NJ	4	AS156T	80725	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817190	26.74
140	4/19/2017	MCB Trucking	NJ	5	AP880S	80726	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817178	30.44
141	4/19/2017	CF Brothers Transportation	NJ	71	AP733S	80727	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817182	31.56
142	4/19/2017	CF Brothers Transportation	NJ	10	AT195P	80728	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817193	29.25
143	4/19/2017	MCB Trucking	NJ	7	AS171C	80729	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817197	31.81
144	4/19/2017	CF Brothers Transportation	NJ	9	AR874C	80730	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817206	35.56
145	4/19/2017	Manolos	NJ	14	AT380H	80731	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817214	28.43
146	4/19/2017	CF Brothers Transportation	NJ	12	AS137R	80732	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817219	29.51
147	4/19/2017	Manolos	NJ	7	AP207H	80733	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817225	34.73
148	4/19/2017	Manolos	NJ	1	AN421H	80734	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	817229	33.12
149	4/25/2017	Uriel	NJ	77	AT595C	80737	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	819190	28.22
150	4/25/2017	Uriel	NJ	777	AT245N	80738	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	819220	30.39
151	4/25/2017	Uriel	NJ	62	AT116N	80739	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	819238	30.42
152	4/25/2017	Uriel	NJ	17	AT672S	80740	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	819244	29.43
153	4/25/2017	Uriel	NJ	23	AT586L	80741	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	819326	30.46
154	4/25/2017	Uriel	NJ	6	AT259F	80742	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	819332	31.99
155	4/25/2017	Uriel	NJ	77	AT595C	80743	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	819354	30.59
156	4/25/2017	Uriel	NJ	777	AT245N	80744	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	819382	31.77
157	4/25/2017	Uriel	NJ	62	AT116N	80745	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	819421	27.06
158	4/25/2017	Uriel	NJ	17	AT672S	80746	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	819515	27.61
159	4/28/2017	Uriel	NJ	6	AT259F	437101	COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10010968	30.73
160	4/28/2017	Uriel	NJ	17	AT672S	437102	COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10010971	33.50
161	4/28/2017	Uriel	NJ	15	AS850N	437103	COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10010974	33.80
162	4/28/2017	Uriel	NJ	777	AT245N	437104	COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10010975	34.66
163	4/28/2017	Amelia Trucking	NJ	86	AT490B	437105	COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10010977	34.19
164	4/28/2017	Uriel	NJ	6	AT259F	437106	COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10010990	29.89
165	4/28/2017	Uriel	NJ	17	AT672S	437107	COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10010988	31.16
166	4/28/2017	Uriel	NJ	15	AS850N	437108	COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10010989	30.44
167	4/28/2017	Uriel	NJ	777	AT245N	437109	COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10010991	31.57
168	4/28/2017	Uriel	NJ	62	AT116N	437110	COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10010992	33.65

Table 2
Summary of Excavations and Disposal Quantity
601 Washington Street
New York, New York
Langan Project No. 170263301
BCP site No. C231091

		Transporter Info				Waste Tracking				Disposal Facility Info	
LOAD COUNTER	DATE	TRUCKING COMPANY	TRUCK LICENSE PLATE STATE	TRUCK No.	TRUCK LICENSE PLATE NUMBER	MANIFEST NUMBER	GRID NUMBER	MATERIAL TYPE	DISPOSAL FACILITY	COUNTERSIGNED MANIFEST/WEIGHT TICKET NUMBER	AMOUNT DISPOSED OFF-SITE (TON)
169	6/7/2017	CF Brothers Transportation	NJ	7	AL794W	437097	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012088	28.95
170	6/7/2017	CF Brothers Transportation	NJ	8	AT835D	437098	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012089	32.44
171	6/7/2017	Tommy Trucking	NJ	25	AT859RR	437099	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012091	34.50
172	6/7/2017	CF Brothers Transportation	NJ	70	AT195P	437100	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012090	31.66
173	6/7/2017	Muñoz	NJ	89	AS354M	437111	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012092	31.35
174	6/7/2017	CF Brothers Transportation	NJ	77	AS574P	437112	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012093	32.70
175	6/7/2017	Mendez	NJ	223	AM320V	437113	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012094	34.65
176	6/7/2017	Castillo Trucking	NJ	3	AN581J	437114	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012095	31.62
177	6/7/2017	Uriel	NJ	777	AT245N	437115	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012096	35.44
178	6/7/2017	Uriel	NJ	17	AT672S	437116	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012105	34.11
179	6/7/2017	Uriel	NJ	15	AS850N	437117	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012106	30.07
180	6/7/2017	CF Brothers Transportation	NJ	7	AL794W	437118	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012109	28.71
181	6/7/2017	CF Brothers Transportation	NJ	8	AT835D	437119	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012110	34.75
182	6/7/2017	CF Brothers Transportation	NJ	10	AT195P	437120	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012111	30.94
183	6/7/2017	Tommy Trucking	NJ	25	AS859R	437121	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012112	33.24
184	6/7/2017	Mendez	NJ	89	AS354M	437122	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012113	30.25
185	6/7/2017	CF Brothers Transportation	NJ	11	AS574P	437123	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012114	32.18
186	6/7/2017	Mendez	NJ	223	AM320V	437124	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012118	33.98
187	6/7/2017	Castillo Trucking	NJ	3	AN581J	437125	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012136	31.51
188	6/7/2017	Nickabella's	NJ	2	AS613K	437126	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012121	28.15
189	6/7/2017	Uriel	NJ	777	AT245N	437127	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012122	29.80
190	6/7/2017	Nickabella's	NJ	22	AS916C	437128	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012124	30.20
191	6/7/2017	Serpa Express	NJ	3	AS444X	437129	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012125	27.64
192	6/7/2017	Uriel	NJ	62	AT116N	437130	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012126	30.70
193	6/7/2017	Amelia Trucking	NJ	86	AT490B	437131	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012128	30.82
194	6/7/2017	Uriel	NJ	17	AT672S	437132	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012131	32.05
195	6/7/2017	Uriel	NJ	15	AT850N	437133	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012132	31.04
196	6/7/2017	Uriel	NJ	6	AT259F	437134	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012130	28.52
197	6/7/2017	Uriel	NJ	5	AT765D	437135	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012133	29.31
198	6/7/2017	Mendez	NJ	45	AS531D	437136	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012135	32.15
199	6/7/2017	AIZAGA	NJ	5460	AS521P	437137	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012137	34.17
200	6/7/2017	Costa Haulers	NJ	7	AT222N	437138	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012140	31.10
201	6/7/2017	J. Granda Trucking	NJ	17	AP694F	437139	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012138	30.10
202	6/7/2017	AIZAGA	NJ	5461	AT515G	437140	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012139	34.31
203	6/7/2017	C. Rodriguez	NJ	25	AS410A	437141	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012153	32.57
204	6/7/2017	Mid Haulers	NJ	6	AS263T	437142	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012142	37.30
205	6/7/2017	Costa Haulers	NJ	3	AS864B	437143	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012141	28.57
206	6/7/2017	Jencar Trucking	NJ	62	AS595U	437144	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012143	29.45
207	6/7/2017	Uriel	NJ	23	AT586L	437145	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012156	31.88
208	6/7/2017	Mid Haulers	NJ	24	AS4402	437147	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012144	38.38
209	6/7/2017	Nickabella's	NJ	53	AT365D	437146	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012145	30.60
210	6/7/2017	DJE Transportation LLC	NJ	715	AT374N	437149	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012146	29.33
211	6/7/2017	Serpa Express	NJ	2	AS443X	437148	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012154	38.98
212	6/7/2017	Tommy Trucking	NJ	24	AT478D	437150	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012158	35.32
213	6/7/2017	MCB Trucking	NJ	7	AS171C	437151	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012148	31.87
214	6/7/2017	MCB Trucking	NJ	8	AS687P	437152	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012147	33.41
215	6/7/2017	Mid Haulers	NJ	3	AS853C	437153	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012149	33.92
216	6/7/2017	Costa Haulers	NJ	4	AS314S	437154	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012150	29.53
217	6/7/2017	MCB Trucking	NJ	9	AS688P	437155	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012151	32.33
218	6/7/2017	Nickabella's	NJ	52	AT518D	437156	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012152	30.69
219	6/7/2017	J. Granda Trucking	NJ	27	AS647U	437157	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012159	34.64
220	6/7/2017	T-Mak Service Inc.	NJ	7	AS147U	437158	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012155	35.81
221	6/7/2017	Mid Haulers	NJ	7	AS422U	437159	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012157	36.23
222	6/13/2017	MCB Trucking	NJ	7	AS171C	437160	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012268	31.98
223	6/13/2017	MCB Trucking	NJ	8	AS687P	437161	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012269	31.38
224	6/13/2017	Uriel	NJ	6	AT259F	437162	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012270	25.95
225	6/13/2017	Amelia Trucking	NJ	13	AT561T	437163	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012271	34.23
226	6/13/2017	Amelia Trucking	NJ	12	AT400F	437164	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012272	29.07
227	6/13/2017	Uriel	NJ	15	AS850N	437165	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012274	29.62
228	6/13/2017	Uriel	NJ	62	AT116N	437166	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012273	32.78
229	6/13/2017	Uriel	NJ	6	AT259F	437167	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012279	25.96
230	6/13/2017	Uriel	NJ	62	AT116N	437168	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012280	25.11
231	6/13/2017	Uriel	NJ	15	AS850N	437169	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012281	31.47

Table 2
Summary of Excavations and Disposal Quantity
601 Washington Street
New York, New York
Langan Project No. 170263301
BCP site No. C231091

		Transporter Info				Waste Tracking				Disposal Facility Info	
LOAD COUNTER	DATE	TRUCKING COMPANY	TRUCK LICENSE PLATE STATE	TRUCK No.	TRUCK LICENSE PLATE NUMBER	MANIFEST NUMBER	GRID NUMBER	MATERIAL TYPE	DISPOSAL FACILITY	COUNTERSIGNED MANIFEST/WEIGHT TICKET NUMBER	AMOUNT DISPOSED OFF-SITE (TON)
232	6/28/2017	Amelia Trucking	NJ	12	AT400F	437171	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012471	27.58
233	6/28/2017	Uriel	NJ	777	AT245N	437172	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012473	35.49
234	6/28/2017	Amelia Trucking	NJ	86	AT490B	437173	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012474	29.71
235	6/28/2017	Uriel	NJ	17	AT672S	437174	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012475	32.43
236	6/28/2017	Uriel	NJ	15	AS850N	437175	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012476	32.32
237	6/28/2017	Uriel	NJ	23	AT586L	437176	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012477	31.77
238	6/28/2017	Amelia Trucking	NJ	12	AT400F	437177	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012489	28.52
239	6/28/2017	Uriel	NJ	777	AT245N	437178	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012490	32.11
240	6/28/2017	Uriel	NJ	23	AT586L	437179	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012491	25.72
241	6/28/2017	Amelia Trucking	NJ	86	AT490B	437180	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012492	29.52
242	6/28/2017	Uriel	NJ	17	AT672S	437181	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012493	30.43
243	6/28/2017	Uriel	NJ	15	AS850N	437182	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012494	28.50
244	6/28/2017	Amelia Trucking	NJ	13	AT561T	437183	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012495	31.92
245	6/28/2017	DJE Transportation LLC	NJ	715	AT374N	437184	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012496	28.10
246	6/30.2017	DJE Transportation LLC	NJ	715	AT374N	80747	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	848975	26.97
247	6/30/2017	Uriel	NJ	62	AT116N	80748	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	848980	25.46
248	6/30/2017	CF Brothers Transportation	NJ	7	AL794W	80749	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	849066	28.56
249	6/30/2017	CF Brothers Transportation	NJ	71	AP733S	80750	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	849043	27.44
250	6/30/2017	Uriel	NJ	6	AT259F	80751	COMP01(0-5) & COMP02(5-10)	Non-Hazardous Soil/Fill	Bayshore	849065	27.30
251	7/6/2017	DJE Transportation LLC	NJ	715	AT374N	473603	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012859	22.42
252	7/6/2017	DJE Transportation LLC	NJ	75	AS375Y	473604	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012853	23.68
253	7/6/2017	Uriel	NJ	6	AT259F	473605	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012871	25.04
254	7/6/2017	Uriel	NJ	62	AT116N	473606	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012872	27.62
255	7/6/2017	Amelia Trucking	NJ	12	AT400F	473607	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012881	26.90
256	7/6/2017	Uriel	NJ	17	AT672S	473608	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012892	28.72
257	7/6/2017	Uriel	NJ	15	AS850N	473609	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012894	26.69
258	7/6/2017	Uriel	NJ	10	AP797X	473610	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012917	27.07
259	7/6/2017	DJE Transportation LLC	NJ	75	AS375Y	473611	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012927	23.80
260	7/6/2017	Uriel	NJ	777	AT245N	473612	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012930	34.37
261	7/6/2017	Amelia Trucking	NJ	13	AT561T	473613	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012931	30.15
262	7/6/2017	AIZAGA	NJ	5461	AT515G	473614	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012933	30.79
263	7/6/2017	Uriel	NJ	6	AT259F	473615	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012938	27.75
264	7/6/2017	Uriel	NJ	62	AT116N	473616	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012939	28.25
265	7/6/2017	AIZAGA	NJ	5460	AS921P	473617	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012941	31.38
266	7/6/2017	DJE Transportation LLC	NJ	715	AT374N	473618	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10012951	33.59
267	7/12/2017	Nickabella's	NJ	59	AT347F	473619	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013356	23.84
268	7/12/2017	Nickabella's	NJ	31	AS370P	473620	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013354	23.60
269	7/12/2017	Nickabella's	NJ	66	AT712P	473621	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013360	24.38
270	7/12/2017	Nickabella's	NJ	77	AT247V	473622	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013362	23.17
271	7/12/2017	Nickabella's	NJ	20	AS411E	473623	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013375	21.81
272	7/12/2017	Nickabella's	NJ	47	AS912Y	473624	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013381	23.15
273	7/13/2017	DJE Transportation LLC	NJ	715	AT374N	473625	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013463	26.12
274	7/13/2017	CF Brothers Transportation	NJ	7	AL794W	473626	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013464	27.91
275	7/13/2017	Tommy Trucking	NJ	25	AS859R	473627	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013465	29.38
276	7/13/2017	AIZAGA	NJ	5461	AT515G	473628	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013466	28.34
277	7/13/2017	Leandro	NJ	2	AT636U	473629	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013467	28.64
278	7/13/2017	Serpa Express	NJ	3	AS444X	473630	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013468	27.27
279	7/13/2017	Amelia Trucking	NJ	13	AT561T	473631	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013469	27.08
280	7/13/2017	Uriel	NJ	15	AS850N	473632	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013470	27.21
281	7/13/2017	Serpa Express	NJ	2	AS443X	473633	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013472	32.27
282	7/13/2017	Uriel	NJ	17	AT672S	473634	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013486	26.68
283	7/13/2017	CF Brothers Transportation	NJ	7	AL794W	473635	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013496	32.27
284	7/13/2017	DJE Transportation LLC	NJ	715	AT374N	473636	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013497	28.27
285	7/13/2017	Tommy Trucking	NJ	25	AS859R	473637	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013501	28.69
286	7/13/2017	AIZAGA	NJ	5461	AT515G	473638	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013503	30.37
287	7/13/2017	Leandro	NJ	2	AT636U	473639	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013504	31.82
288	7/13/2017	Serpa Express	NJ	3	AS444X	473640	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013505	33.57
289	7/13/2017	Amelia Trucking	NJ	13	AT561T	473641	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013508	31.24
290	7/13/2017	Serpa Express	NJ	2	AS443X	473642	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013510	35.85
291	7/13/2017	Uriel	NJ	10	AP797X	473643	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013515	28.88
292	7/13/2017	Uriel	NJ	777	AT245N	473644	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013517	33.83
293	7/13/2017	Uriel	NJ	5	AT795D	473645	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013520	32.97
294	7/13/2017	Uriel	NJ	17	AT672S	473646	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013534	32.56
295	7/13/2017	Uriel	NJ	62	AT116N	473647	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013535	29.50
296	7/13/2017	Uriel	NJ	6	AT259F	473648	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013536	27.60
297	7/13/2017	Uriel	NJ	23	AT586L	473649	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013539	29.62
298	7/13/2017	Uriel	NJ	15	AS850N	473650	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10013545	31.94

Table 2
Summary of Excavations and Disposal Quantity
601 Washington Street
New York, New York
Langan Project No. 170263301
BCP site No. C231091

		Transporter Info				Waste Tracking				Disposal Facility Info	
LOAD COUNTER	DATE	TRUCKING COMPANY	TRUCK LICENSE PLATE STATE	TRUCK No.	TRUCK LICENSE PLATE NUMBER	MANIFEST NUMBER	GRID NUMBER	MATERIAL TYPE	DISPOSAL FACILITY	COUNTERSIGNED MANIFEST/WEIGHT TICKET NUMBER	AMOUNT DISPOSED OFF-SITE (TON)
299	7/31/2017	Manolos	NJ	7	AR207H	483620	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014223	29.72
300	7/31/2017	Manolos	NJ	12	AT184B	483621	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014232	31.21
301	7/31/2017	Manolos	NJ	6	AR497D	483622	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014236	28.72
302	7/31/2017	Manolos	NJ	10	AS640N	483623	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014238	31.40
303	7/31/2017	Manolos	NJ	15	AT773S	483624	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014240	32.37
304	7/31/2017	Manolos	NJ	11	AT914A	483625	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014243	33.92
305	7/31/2017	Manolos	NJ	8	AS126P	483626	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014245	33.80
306	7/31/2017	Manolos	NJ	5	AP414M	483627	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014250	37.68
307	7/31/2017	Manolos	NJ	9	AS874P	483628	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014251	34.79
308	7/31/2017	Manolos	NJ	14	AT380H	483629	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014253	30.97
309	7/31/2017	Manolos	NJ	4	AR498D	483630	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014252	36.45
310	7/31/2017	Manolos	NJ	13	AT250E	483631	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014256	29.86
311	7/31/2017	Manolos	NJ	7	AR207H	483632	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014263	29.46
312	7/31/2017	Manolos	NJ	12	AT184B	483633	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014269	32.77
313	7/31/2017	Manolos	NJ	10	AS640N	483634	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014272	30.48
314	7/31/2017	Manolos	NJ	6	AR497D	483635	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014275	31.22
315	7/31/2017	Manolos	NJ	15	AT773S	483636	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014276	31.03
316	7/31/2017	Manolos	NJ	11	AT914A	483637	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014280	31.13
317	7/31/2017	Manolos	NJ	8	AS126P	483638	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014281	34.64
318	7/31/2017	Manolos	NJ	5	AP414M	483639	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014283	34.40
319	7/31/2017	Manolos	NJ	9	AS874P	483640	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014282	32.94
320	7/31/2017	Manolos	NJ	4	AR498D	483641	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014285	35.47
321	7/31/2017	Manolos	NJ	14	AT380H	483642	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014292	29.92
322	7/31/2017	Manolos	NJ	13	AT250E	483643	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014294	30.00
323	8/23/2017	AIZAGA	NJ	5461	AT515G	473651	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014688	29.32
324	8/23/2017	AIZAGA	NJ	5460	A2921P	473652	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014691	28.63
325	8/23/2017	Uriel	NJ	17	AT672S	473653	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014698	27.23
326	8/23/2017	Uriel	NJ	15	AS850N	473654	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014699	25.13
327	8/23/2017	Amelia Trucking	NJ	13	AT561T	473655	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014702	29.45
328	8/23/2017	Amelia Trucking	NJ	89	AT490B	473656	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014704	30.66
329	8/23/2017	AIZAGA	NJ	5461	AT515G	473657	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014717	29.08
330	8/23/2017	AIZAGA	NJ	5460	AS921P	473658	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014718	28.85
331	9/18/2017	Manolos	NJ	7	AR207H	483646	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014984	32.72
332	9/18/2017	Manolos	NJ	6	AR497D	483647	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014989	29.64
333	9/18/2017	Manolos	NJ	15	AT773S	483648	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014993	31.75
334	9/18/2017	Manolos	NJ	12	AT184B	483649	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10014996	31.23
335	9/18/2017	Tommy Trucking	NJ	26	AT485Y	483650	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10015001	33.87
336	9/18/2017	Manolos	NJ	4	AR498D	483651	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10015016	37.94
337	9/19/2017	Manolos	NJ	4	AR498D	483652	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10015060	37.34
338	9/19/2017	Manolos	NJ	11	AT914A	483653	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10015061	33.49
339	9/19/2017	Manolos	NJ	10	AS640N	483654	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10015062	29.74
340	9/19/2017	Manolos	NJ	15	AT773S	483655	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10015065	31.70
341	9/19/2017	Manolos	NJ	1	AN421H	483656	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10015071	32.45
342	9/19/2017	Manolos	NJ	9	AS874P	483657	COMP03(10-15) COMP04(0-5) COMP05(5-10) & COMP06(10-15)	Non-Hazardous Soil/Fill	Griffin Pipe	10015080	35.06
343	9/21/2017	Manolos	NJ	10	AS640N	437028	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099752	24.18
344	9/21/2017	Manolos	NJ	15	AT773S	437029	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099754	26.55
345	9/21/2017	Manolos	NJ	6	AR497D	437030	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099758	32.13
346	9/21/2017	Manolos	NJ	12	AT184B	437031	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099760	29.21
347	9/21/2017	Manolos	NJ	9	AS874P	437032	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099764	26.18
348	9/21/2017	Manolos	NJ	14	AT380H	437033	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099761	25.97
349	9/21/2017	Serpa Express	NJ	3	AS444X	437034	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099763	29.21
350	9/21/2017	Serpa Express	NJ	3	AS443X	437035	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099768	32.34
351	9/21/2017	Brava	NJ	16	AT282G	437036	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099787	20.14
352	9/21/2017	Uriel	NJ	5	AT795D	437037	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099785	20.00
353	9/21/2017	Uriel	NJ	17	AT672S	437038	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099838	24.75
354	9/21/2017	Uriel	NJ	77	AT595C	437039	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099791	22.92
355	9/21/2017	Uriel	NJ	15	AS850N	437040	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099794	25.59
356	9/21/2017	Uriel	NJ	777	AT245N	496562	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099796	24.23
357	9/21/2017	Brava	NJ	50	AR602H	496563	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099836	29.74
358	9/21/2017	Brava	NJ	18	AT207Y	496564	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099837	23.15
359	9/22/2017	Mendez	NJ	52	AS757P	496578	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099891	23.67
360	9/22/2017	J & A Contracting, LLC	NJ	343	AS502Y	496579	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099940	23.45
361	9/22/2017	J & A Contracting, LLC	NJ	13	AS500Y	496580	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099922	23.37
362	9/22/2017	Nickabella's	NJ	31	AS370P	496581	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099931	20.65
363	9/22/2017	Nickabella's	NJ	5	AT624W	496582	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099932	23.48
364	9/22/2017	Mendez	NJ	43	AT557B	496583	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099933	20.67
365	9/22/2017	Mendez	NJ	57	AS269R	496584	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099947	21.77
366	9/22/2017	Serpa Express	NJ	2	AS443X	496585	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099993	24.08
367	9/22/2017	D & A Contracting, LLC	NJ	3	AT515L	496586	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7099998	21.57

Table 2
Summary of Excavations and Disposal Quantity
601 Washington Street
New York, New York
Langan Project No. 170263301
BCP site No. C231091

		Transporter Info				Waste Tracking				Disposal Facility Info	
LOAD COUNTER	DATE	TRUCKING COMPANY	TRUCK LICENSE PLATE STATE	TRUCK No.	TRUCK LICENSE PLATE NUMBER	MANIFEST NUMBER	GRID NUMBER	MATERIAL TYPE	DISPOSAL FACILITY	COUNTERSIGNED MANIFEST/WEIGHT TICKET NUMBER	AMOUNT DISPOSED OFF-SITE (TON)
368	9/25/2017	Manolos	NJ	10	AS640N	496587	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	1105406	24.43
369	9/25/2017	Manolos	NJ	14	AT380H	496588	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7100002	24.32
370	9/25/2017	Manolos	NJ	9	AS874P	496589	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7100004	24.17
371	9/25/2017	Manolos	NJ	12	AT184B	496890	COMP03(10-15) & COMP07(10-15)	Non-Hazardous Soil/Fill	Phase III	7100005	8.12

Table 3
Underground Storage Tank Documentation Sample Results Summary
601 Washington Street
New York, New York
Langan Project No. 170263301
BCP Site No. C231091

			Duplicates										Duplicates				Duplicates			
Sample ID	**NYSDEC CP-51 List SCOs**	**NYSDEC Part 375 Residential SCOs**	**EPB01_4-5**		**DUP01_021317**		**EPB01_5-6**		**EPB02_5-6**		**DUP01_021517**		**EPB01_6-7**		**EPB02_6-7**		**DUP01_022417**		**EPB01_5-6**		**DUP01_030717**	
Sampling Date			**2/13/2017**		**2/13/2017**		**2/15/2017**		**2/15/2017**		**2/15/2017**		**2/24/2017**		**2/24/2017**		**2/24/2017**		**3/7/2017**		**3/7/2017**	
Tank ID			**Tank No. 1 (275 Gal)**		**Tank No. 1 (275 Gal)**		**Tank Nos. 2/3 (750/15 Gal)**		**Tank Nos. 2/3 (750/15 Gal)**		**Tank Nos. 2/3 (750/15 Gal)**		**Tank No. 4 (750 Gal)**		**Tank No. 4 (750 Gal)**		**Tank No. 4 (750 Gal)**		**Tank No. 5 (550 Gal)**		**Tank No. 5 (550 Gal)**	
Laboratory Sample ID			**L1704476-01**		**L1704476-02**		**L1704769-01**		**L1704769-02**		**L1704769-03**		**L1705898-01**		**L1705898-02**		**L1705898-03**		**L1707043-01**		**L1707043-02**	
Elevation (NAVD88)			**9.55-8.55**		**9.55-8.55**		**8.55-7.55**		**8.55-7.55**		**8.55-7.55**		**7.64-6.64**		**7.64-6.64**		**7.64-6.64**		**8.65-7.65**		**8.65-7.65**	
Volatile Organic Compounds (VOC) (mg/kg)																						
1,2,4-Trimethylbenzene	3.6	47	0.0065	U	0.0086	U	0.00028	J	0.00035	J	0.00032	J	0.0048	U	0.0053	U	0.007	U	0.007	U	0.00041	J
1,3,5-Trimethylbenzene	8.4	47	0.0065	U	0.0086	U	0.0058	UJ	0.0076	UJ	0.0066	UJ	0.0048	U	0.0053	U	0.007	U	0.007	U	0.00027	J
Benzene	0.06	2.9	0.0013	U	0.0017	U	0.0012	UJ	0.0015	UJ	0.0013	UJ	0.00097	U	0.0011	U	0.00019	J	0.0014	U	0.00018	J
Ethylbenzene	1	30	0.0013	U	0.0017	U	0.0012	UJ	0.0015	UJ	0.0013	UJ	0.00097	U	0.0011	U	0.0014	U	0.0014	U	0.0014	U
Isopropylbenzene	2.3	100	0.0013	U	0.0017	U	0.0012	UJ	0.0015	UJ	0.0013	UJ	0.00097	U	0.0011	U	0.0014	U	0.0014	U	0.0014	U
Methyl tert butyl ether	0.93	62	0.0026	U	0.0034	U	0.0023	UJ	0.003	UJ	0.0026	UJ	0.0019	U	0.0021	U	0.0028	U	0.0028	U	0.0029	U
n-Butylbenzene	12	100	0.0013	U	0.0017	U	0.0012	UJ	0.0015	UJ	0.0013	UJ	0.00097	U	0.0011	U	0.0014	U	0.0014	U	0.0034	J
n-Propylbenzene	3.9	100	0.0013	U	0.0017	U	0.0012	UJ	0.0015	UJ	0.0013	UJ	0.00097	U	0.0011	U	0.0014	U	0.0014	U	0.0014	U
Naphthalene	12	100	0.0065	U	0.0024	U	0.0012	U	0.007	J	0.0021	UJ	0.0048	U	0.0053	U	0.007	U	0.0017	J	0.0014	U
o-Xylene	0.26	~	0.0026	U	0.0024	J	0.0023	UJ	0.003	UJ	0.0026	UJ	0.0019	U	0.0021	U	0.0028	U	0.0028	U	0.0029	U
p-Isopropyltoluene	10	~	0.0013	U	0.0017	U	0.00082	J	0.0015	UJ	0.0013	UJ	0.00097	U	0.0011	U	0.0014	U	0.0014	U	0.0029	U
p/m-Xylene	0.26	~	0.0026	U	0.0034	U	0.0023	UJ	0.003	UJ	0.0026	UJ	0.0019	U	0.0021	U	0.0028	U	0.0028	U	0.0014	U
sec-Butylbenzene	11	100	0.0013	U	0.0017	U	0.0012	UJ	0.0015	UJ	0.0013	UJ	0.00097	U	0.0011	U	0.0014	U	0.0014	U	0.0014	U
tert-Butylbenzene	5.9	100	0.0065	U	0.0086	U	0.0058	UJ	0.0076	UJ	0.0066	UJ	0.0048	U	0.0053	U	0.007	U	0.007	U	0.0072	U
Toluene	0.7	100	0.00031	J	0.00041	J	0.00027	J	0.00044	J	0.00027	J	0.0014	U	0.00021	J	0.00038	J	0.00037	J	0.00046	J
Xylenes, Total	0.26	100	0.0026	U	0.0024	J	0.0023	UJ	0.003	UJ	0.0026	UJ	0.0019	U	0.0021	U	0.0028	U	0.0028	U	0.0029	U
Semivolatile Organic Compounds (SVOC) (mg/kg)																						
Acenaphthene	20	100	0.16	U	0.037	J	0.27		0.22		0.083	J	0.14	U	0.14	U	0.14	U	0.2		0.19	
Acenaphthylene	100	100	0.16	U	0.037	J	0.53		0.87		0.6		0.14	U	0.14	U	0.14	U	0.13	J	0.18	
Anthracene	100	100	0.052	J	0.08	J	1.8		0.9		0.63		0.11	U	0.11	U	0.11	U	0.4		0.38	
Benzo(a)anthracene	1	1	0.26		0.35		**7.5**	D, 5	**4**		**3.3**		0.11	U	0.049	J	0.056	J	**1.2**		**1.3**	
Benzo(a)pyrene	1	1	0.23		0.33		**6.8**		**5.3**		**3.2**		0.14	U	0.046	J	0.059	J	1		**1.1**	
Benzo(b)fluoranthene	1	1	0.34		0.44		**7.8**	D, 5	**7**	J	**4.1**	J	0.11	U	0.06	J	0.073	J	**1.2**		**1.5**	
Benzo(ghi)perylene	100	100	0.12	J	0.19		4.1		4.6	J	1.9	J	0.14	U	0.026	J	0.035	J	0.61		0.68	
Benzo(k)fluoranthene	0.8	1	0.12		0.15		**2.4**		**2**		**1.4**		0.11	U	0.11	U	0.11	U	0.41		0.44	
Chrysene	1	1	0.27		0.35		**8.2**	D, 5	**4.7**		**3.5**		0.11	U	0.044	J	0.054	J	**1.1**		**1.3**	
Dibenzo(a,h)anthracene	0.33	0.33	0.035	J	0.053	J	**0.9**		**1.1**	J	**0.52**	J	0.11	U	0.11	U	0.11	U	0.15		0.16	
Fluoranthene	100	100	0.6		0.77		14	D, 5	7.8		5.7		0.11	U	0.079	J	0.085	J	2.7		2.9	
Fluorene	30	100	0.2	U	0.032	J	0.26		0.51	J	0.13	J	0.18	U	0.18	U	0.18	U	0.17	J	0.18	
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.14	J	0.2		**4.1**		**4.4**	J	**2.1**	J	0.14	U	0.026	J	0.038	J	**0.65**		**0.71**	
Naphthalene	12	100	0.2	U	0.2	U	0.2		0.52	J	0.09	J	0.18	U	0.18	U	0.18	U	0.17	J	0.28	
Phenanthrene	100	100	0.37		0.55		7.1		6	J	2.3	J	0.11	U	0.053	J	0.042	J	2.3		2.4	
Pyrene	100	100	0.49		0.68		17	D, 5	7.7		5.9		0.11	U	0.08	J	0.086	J	2.5		2.6	

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 CP-51 List Soil Cleanup Objectives (SCO) and Residential Use SCOs.
2. Compounds detected above CP-51 List SCOs are highlighted.
3. Compounds detected above Residential Use SCOs are bolded.
4. Elevations are referenced to the North American Vertical Datum of 1988 (NAVD88). All elevations are approximate.
5. VOC = Volatile organic compound
6. mg/kg = milligram per kilogram
7. ~ = Criterion does not exist.
8. Sample DUP01_021317 is a duplicate of sample EPB01_4-5.
9. Sample DUP01_021517 is a duplicate of sample EPB02_5-6.
10. Sample DUP01_022417 is a duplicate of sample EPB02_6-7.
11. Sample DUP01_030717 is a duplicate of sample EPB01_5-6.
12. Tanks 2 and 3 removed on 2/15/17. Endpoint samples collected beneath the Tank 2 and 3 area.

Qualifiers:
J = Estimated value. The target analyte concentration is below the reporting limit, but greater than or equal to the method detection limit (MDL) or limit of detection (LOD).
U = Analyte not detected at or above the level indicated
D = The compound exceeded the calibration range in the undiluted run. The sample was rerun at a higher dilution factor, which is noted.

Table 4
Documentation Soil Sample Results Summary
601 Washington Street
New York, New York
Langan Project No. 170263301
BCP Site No. C231091

Grid ID Number Langan Sample ID Sample Date Laboratory Sample ID Depth (ft. bgs) Elevation (NAVD88) Sample Matrix	NYSDEC Unrestricted Use SCOs	NYSDEC Residential SCOs	Grid 1 EPB01_15-16 8/26/2015 L1520776-03 15-16 -2.64 Soil	Grid 2 EPS01_17 7/19/2017 L1724718-01 17 -3.4 Soil	Grid 3 EPB03_15-16 8/25/2015 L1520635-08 15-16 -2.37 Soil	Grid 4 EPB05_15-16 8/25/2015 L1520635-04 15-16 -2.25 Soil	Grid 5 EPB08_15-16 8/25/2015 L1520635-02 15-16 -1.74 Soil	Grid 6 EPS03_16-17 9/22/2017 L1734007-01 16-17 -3 Soil	Grid 7 EPB04_15-16 8/26/2015 L1520776-02 15-16 -2.65 Soil	DUPLICATE Grid 8 EPB06_15-16 8/25/2015 L1520635-05 15-16 -2.4 Soil	Grid 8 EPBDUP01_082515 8/25/2015 L1520635-06 15-16 -2.4 Soil	Grid 9 EPB07_15-16 8/25/2015 L1520635-03 15-16 -2.24 Soil	Grid 10 EPS02_24 8/3/2017 L1726967-01 24 -10 Soil
Volatile Organic Compounds (VOCs) (mg/kg)													
1,4-Dioxane	0.1	9.8	0.14 U	0.041 UJ	0.12 U	0.19 U	0.22 U	0.054 UJ	0.13 U	0.35 U	0.1 U	0.14 U	0.055 UJ
Acetone	0.05	100	0.0036 J	0.01 U	0.0031 J	0.012 J	0.0089 J	0.014 U	0.013 U	0.035 U	0.0034 J	0.0051 J	0.014 U
Carbon disulfide	~	~	0.014 U	0.01 UJ	0.012 U	0.019 U	0.022 U	0.014 U	0.013 U	0.035 U	0.01 U	0.014 U	0.014 U
Ethylbenzene	1	30	0.0014 U	0.001 U	0.0012 U	0.0019 U	0.0022 U	0.0014 UJ	0.0013 U	0.0035 U	0.001 U	0.0014 U	0.0014 U
Toluene	0.7	100	0.002 U	0.0015 U	0.0019 U	0.0004 J	0.00054 J	0.002 U	0.002 U	0.0052 U	0.0015 U	0.00033 J	0.0021 U
Semivolatile Organic Compounds (SVOCs) (mg/kg)													
2,4-Dimethylphenol	~	~	0.19 U	0.17 UJ	0.22 U	0.18 U	0.19 U	0.17 U	0.17 U	0.2 U	0.17 U	0.17 U	0.19 U
2-Nitrophenol	~	~	0.42 U	0.37 U	0.48 U	0.38 U	0.41 U	0.37 U	0.37 U	0.44 U	0.37 U	0.36 U	0.42 UJ
Benzoic Acid	~	~	0.63 U	0.55 UJ	0.72 U	0.57 U	0.62 U	0.55 UJ	0.56 U	0.66 U	0.56 U	0.54 U	0.63 U
Bis(2-chloroisopropyl)ether	~	~	0.23 U	0.2 U	0.27 U	0.21 U	0.23 U	0.2 UJ	0.21 U	0.24 U	0.2 U	0.2 U	0.23 U
Isophorone	~	~	0.17 U	0.15 UJ	0.2 U	0.16 U	0.17 U	0.15 U	0.15 U	0.18 U	0.15 U	0.15 U	0.17 U
n-Nitrosodi-n-propylamine	~	~	0.19 U	0.17 UJ	0.22 U	0.18 U	0.19 U	0.17 U	0.17 U	0.2 U	0.17 U	0.17 U	0.19 U
Total SVOCs	~	~	ND	NE	ND	ND	ND	NE	ND	ND	ND	ND	ND
PCBs (mg/kg)													
Aroclor 1242	0.1	1	0.0376 U	0.0337 U	0.0444 U	0.0344 U	0.0366 U	0.034 UJ	0.0336 U	0.0416 U	0.0328 U	0.032 U	0.0392 U
Aroclor 1248	0.1	1	0.0376 U	0.0337 U	0.0444 U	0.0344 U	0.0366 U	0.034 UJ	0.0336 U	0.0416 U	0.0328 U	0.032 U	0.0392 U
Aroclor 1254	0.1	1	0.0376 U	0.0337 U	0.0444 U	0.0344 U	0.0366 U	0.034 UJ	0.0336 U	0.0416 U	0.0328 U	0.032 U	0.0392 U
Aroclor 1260	0.1	1	0.0376 U	0.0337 U	0.0444 U	0.0344 U	0.0366 U	0.034 UJ	0.0336 U	0.0416 U	0.0328 U	0.032 U	0.0392 U
Aroclor 1262	0.1	1	0.0376 U	0.0337 U	0.0444 U	0.0344 U	0.0366 U	0.034 UJ	0.0336 U	0.0416 U	0.0328 U	0.032 U	0.0392 U
Aroclor 1268	0.1	1	0.0376 U	0.0337 U	0.0444 U	0.0344 U	0.0366 U	0.034 UJ	0.0336 U	0.0416 U	0.0328 U	0.032 U	0.0392 U
Total PCBs	~	~	ND	ND	ND	ND	ND	NE	ND	ND	ND	ND	ND
Pesticides (mg/kg)													
Chlordane	~	~	0.0116 J	0.0131 J	0.0172 U	0.0139 U	0.0142 U	0.0129 U	0.0134 U	0.0157 U	0.0129 U	0.0129 U	0.015 U
Dieldrin	0.005	0.039	0.00111 U	0.000964 J	0.00132 U	0.00107 U	0.00109 U	0.000993 U	0.00103 U	0.00121 U	0.000995 U	0.000994 U	0.00116 U
Endrin	0.014	2.2	0.000742 U	0.000686 UJ	0.00088 U	0.000715 U	0.000729 U	0.000662 U	0.000686 U	0.000806 U	0.000663 U	0.000662 U	0.00077 U
Heptachlor	0.042	0.42	0.00089 U	0.000823 UJ	0.00106 U	0.000858 U	0.000875 U	0.000795 U	0.000823 U	0.000967 U	0.000796 U	0.000795 U	0.000924 UJ
Methoxychlor	~	~	0.00334 U	0.00308 UJ	0.00396 U	0.00322 U	0.00328 U	0.00298 U	0.00309 U	0.00362 U	0.00298 U	0.00298 U	0.00347 UJ
trans-Chlordane	~	~	0.0026	0.00206 U	0.00264 U	0.00214 U	0.00219 U	0.00199 U	0.00175 J	0.00242 U	0.00199 U	0.00199 U	0.00231 U
Total Metals (mg/kg)													
Aluminum, Total	~	~	4100	1700	5000	4100	2600	1410	1600	2400	3800	1800	2980
Arsenic, Total	13	16	4.5	0.849	1 U	4.5	2.7	0.448 U	2.6	2.4	0.81 U	1.9	0.845 U
Barium, Total	350	350	52	**940**	40	57	37	11.4	23	18	42	20	38.4
Beryllium, Total	7.2	14	0.32 J	0.104 J	0.28 J	0.19 J	0.21 J	0.094 J	0.22 J	0.3 J	0.32 J	0.15 J	0.291 J
Cadmium, Total	2.5	2.5	0.93 U	0.152 J	0.11 J	0.86 U	0.91 U	0.204 J	0.8 U	1 U	0.09 J	0.81 U	0.909 U
Calcium, Total	~	~	1000	393 J	930	6300	1000	459	500	870	1300	420	866
Chromium, Total	~	~	12	5.08 J	18	24	9.5	6.09	7.2	8.8	15	5.4	9.22
Chromium, Trivalent	30	36	12	5.1	18	24	9.5	6.1	7.2	8.8	15	5.4	9.2
Cobalt, Total	~	~	4.9	2.46	7.6	3.6	3.7	2.67	10	5.7	7.2	3.5	3.27
Copper, Total	50	270	7.5	7.56	11	15	7.6	5.4	8.8	8.1	11	5.4	6.3
Iron, Total	~	~	11000	4120	13000	9200	6900	4560	6800	6000	9500	4200	7740
Lead, Total	63	400	4.6 U	3.69 J	5.2 U	10	4.6 U	2.51 J	4 U	5 U	4 U	4.1 U	3.57 U
Magnesium, Total	~	~	2300	854 J	2300	2000	1600	839	6500	2000	2700	880	1520
Manganese, Total	1600	2000	340	108 J	330	80	280	75.8	420	180	300	150	300
Mercury, Total	0.18	0.81	0.08 U	0.02 J	0.09 U	0.05 J	0.07 U	0.07 U	0.07 U	0.08 U	0.07 U	0.01 J	0.08 U
Nickel, Total	30	140	**35**	23.6 J	**43**	**39**	20	9.61	**120**	44	60	15	18.4
Potassium, Total	~	~	1400	408	1400	940	720	364	420	560	1100	420	898
Sodium, Total	~	~	170 J	46 U	80 J	130 J	69 J	86.6 J	40 J	46 J	80 J	160 U	130 J
Vanadium, Total	~	100	12	4.12 J	17	15	8.9	6.56	5.1	7.7	11	6.4	10.5
Zinc, Total	109	2200	16	10.3	20	14	11	6.68	15	15	17	8.4	12.8

Notes:

1. Grab soil sample analytical results are compared to New York State Department of Environmental Conservation (NYSDEC) Title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and Residential Use SCOs. Concentrations detected above NYSDEC Part 375 Unrestricted Use SCOs are bolded. Concentrations detected above NYSDEC Part 375 Residential Use SCOs are bolded and highlighted.
2. Elevations are referenced to the North American Vertical Datum of 1988 (NAVD88). All elevations are approximate.
3. Sample EPBDUP01_082515 is a duplicate soil sample of EPB06_15-16.
4. mg/kg = milligram per kilogram
5. ft. bgs = feet below grade
6. "~" = Criterion does not exist
7. Only detected compounds are shown in the table.
8. ND = Not Detected
9. NE = No Exceedance
10. VOC = Volatile organic compounds
11. SVOC = Semivolatile organic compounds
12. PCB = Polychlorinated biphenyl

Qualifiers:

J = Estimated value. The target analyte concentration is below the reporting limit, but greater than or equal to the method detection limit (MDL) or limit of detection (LOD).
U = Analyte not detected at or above the level indicated

Table 5
Treated Groundwater Effluent Sample Results Summary
601 Washington Street
New York, New York
Langan Project No. 170263301
BCP Site No. C231091

Sample ID Sampling Date Lab Sample ID	NY- AWQS TOGS 1.1.1	GW EFF_042517 4/25/2017 L1713078-01	
Volatile Organic Compounds (µg/L)			
1,2,3-Trichlorobenzene	5	2.5	UJ
1,2,3-Trichloropropane	0.04	2.5	UJ
1,2,4-Trichlorobenzene	5	2.5	UJ
1,2-Dichlorobenzene	3	2.5	UJ
1,2-Dichloroethane	0.6	0.5	UJ
1,2-Dichloroethene, Total	~	1.4	J
1,3-Dichlorobenzene	3	2.5	UJ
1,3-Dichloropropane	5	2.5	UJ
1,4-Dichlorobenzene	3	2.5	U
2,2-Dichloropropane	5	2.5	UJ
Bromochloromethane	5	2.5	UJ
Carbon tetrachloride	5	0.5	UJ
Chloroform	7	1.1	J
Chloromethane	~	2.5	UJ
cis-1,2-Dichloroethene	5	1.4	J
cis-1,3-Dichloropropene	0.4	0.5	UJ
Dibromochloromethane	50	0.5	UJ
Hexachlorobutadiene	0.5	2.5	UJ
Tetrachloroethene	5	1.1	J
trans-1,2-Dichloroethene	5	2.5	UJ
trans-1,3-Dichloropropene	0.4	0.5	UJ
trans-1,4-Dichloro-2-butene	5	2.5	UJ
Trichloroethene	5	1.2	
Vinyl chloride	2	1	UJ

Notes:
1. Analytical results were compared to the New York State Department of Environmental Conservation (NYSDEC) Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) for Class GA water.
2. TOGS 1.1.1 AWQS exceedances are in bold and highlighted.
3. Only detected compounds are shown in the table.
4. ~ = NY-AWQS criteria does not exist for the analyte.
5. µg/L = micrograms per liter

Qualifiers:
U = analyte included in analysis, but not detected
J = analyte detected at or above the method detection limit but below the reporting limit; therefore, the result is an estimated concentration

Table 6
Groundwater Conditions Results Summary
601 Washington Street
New York, New York
Langan Project No. 170263301
BCP Site No. C231091

		DUPLICATE				DUPLICATE				DUPLICATE	
Sample ID		**MW04_100914**	**DUP01_100914**	**MW05_100914**	**MW06_100914**	**MW10_090315**	**DUP01_090315**	**DW01_080117**	**DW02_080117**	**DW03_080117**	**DUP01_080117**
Sampling Date	**NY - AWQS**	**10/9/2014**	**10/9/2014**	**10/9/2014**	**10/9/2014**	**9/3/2015**	**9/3/2015**	**8/1/2017**	**8/1/2017**	**8/1/2017**	**8/1/2017**
Lab Sample ID	**TOGS 1.1.1**	**L1423981-01**	**L1423981-05**	**L1423981-02**	**L1423981-03**	**L1521655-01**	**L1521655-02**	**L1726511-01**	**L1726511-02**	**L1726511-03**	**L1726511-04**
Sampling Event		**RI**	**RI**	**RI**	**RI**	**SRI**	**SRI**	**Post-remedy**	**Post-remedy**	**Post-remedy**	**Post-remedy**
Chlorinated Volatile Organic Compounds (µg/L)											
1,2-Dichloroethene, Total	~	2.5 U	2.5 U	0.76 J	0.86 J	NT	NT	6.5	14	2.5 U	2.5 U
Chloroform	7	3.3	3.3	2 J	1.7 J	1.8 J	1.8 J	2.5 U	2.5 U	3	3
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	0.76 J	0.86 J	2.5 U	0.71 J	**6.5**	**14**	2.5 U	2.5 U
Tetrachloroethene	5	**10**	**9.8**	**22**	**22**	**26**	**27**	**9.7**	**16**	**79**	**79**
Trichloroethene	5	0.99	0.98	2.1	**9.2**	1.7	1.8	**19**	**18**	1.6	1.6
Vinyl chloride	2	NT	NT	NT	NT	1 U	1 U	0.3 J	0.2 J	1 U	1 U

Notes:

1. Analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) for Class GA water.
2. Only detected chlorinated volatile organic compounds (VOCs) are shown in table.
3. TOGS 1.1.1 AWQS exceedances are in bold and highlighted.
4. Samples with minimum detection limits above comparison criteria are italicized.
5. "~" = criteria does not exist for the analyte.
6. DUP01_100914 is a duplicate of MW4_100914
7. DUP01_090315 is a duplicate of MW10_090315
8. DUP01-080117 is a duplicate of DW03_080117
9. Groundwater samples DW01_080117 and DW02_081117 were collected in the vicinity of former groundwater monitoring well MW-1.
10. Groundwater sample DW03_080117 collected down-gradient of former groundwater monitoring well MW-2.
11. µg/L = micrograms per liter
12. RI = Remedial Investigation
13. SRI = Supplemental Remedial Investigation for Remedial Work Plan (RWP)
14. NT = Not tested

Qualifiers:
U = analyte included in analysis, but not detected
J = analyte detected at or above the method detection limit but below the reporting limit; therefore, the result is an estimated concentration

Table 7
Summary of Imported Materials
601 Washington Street
New York, New York
Langan Project No.: 170263301
BCP Site No. C231091

Total Import Loads	**8**						**Total Tonnage**	
Total Loads from IRRC	8					Total Tons from IRRC	228.37	tons
LOAD COUNTER	**DATE**	**TRUCKING COMPANY**	**TRUCK LICENSE PLATE STATE**	**TRUCK LICENSE PLATE NUMBER**	**MANIFEST NUMBER**	**TYPE OF MATERIAL**	**IMPORT FACILITY**	**WEIGHT (tons)**
1	8/9/2017	DI Trucking	NJ	AT612A	6044472	3/4" Clean Stone	IRRC	26.48
2	9/29/2017	Mid-Haulers	NJ	AS712W	6053544	3/4" Clean Stone	IRRC	29.34
3	9/29/2017	Mid-Haulers	NJ	AS262T	6053543	3/4" Clean Stone	IRRC	29.03
4	9/29/2017	Mid-Haulers	NJ	AS440Z	6053551	3/4" Clean Stone	IRRC	27.89
5	9/29/2017	Mid-Haulers	NJ	AS2442U	6053552	3/4" Clean Stone	IRRC	24.74
6	10/2/2017	Mid-Haulers	NJ	AS262T	6053564	3/4" Clean Stone	IRRC	29.14
7	10/2/2017	Mid-Haulers	NJ	AS263T	6053563	3/4" Clean Stone	IRRC	30.42
8	10/2/2017	Mid-Haulers	NJ	AS316W	6053582	3/4" Clean Stone	IRRC	31.33

Notes:
1. 3/4-inch Clean Stone Imported to the Site from the Impact Recovery and Reuse Center of Lyndhurst, NJ

FIGURES

GENERAL NOTES:

1. BASE MAP TAKEN FROM USGS TOPOGRAPHICAL MAPS FOR BROOKLYN AND JERSEY CITY QUADRANGLES.

LANGAN

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Langan International LLC
Collectively known as Langan

Project	601 WASHINGTON STREET BLOCK No. 602, LOT No. 28 NEW YORK NEW YORK
Figure Title	SITE LOCATION MAP
Project No.	170263301
Date	12/17/2014
Scale	N.T.S.
Drawn By / Checked By	AT / JG
Submission Date	
Figure No.	1
Sheet	1 of 8

Filename: \\langan.com\data\NYC\data3\170263301\Cadd Data - 170263301\2D-DesignFiles\Environmental\FER\Figure 1 - Site Location Map.dwg Date: 9/28/2017 Time: 14:46 User: eadkins Style Table: Langan.stb Layout: ANSIA-BP

LEGEND:

BCP SITE BOUNDARY

GENERAL NOTES:

1. BASE MAP TAKEN FROM NYC TAX MAPS: HTTP://MAPS.NYC.GOV/TAXMAP/MAP.HTM

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Project

601 WASHINGTON STREET

BLOCK No. 602, LOT No. 28

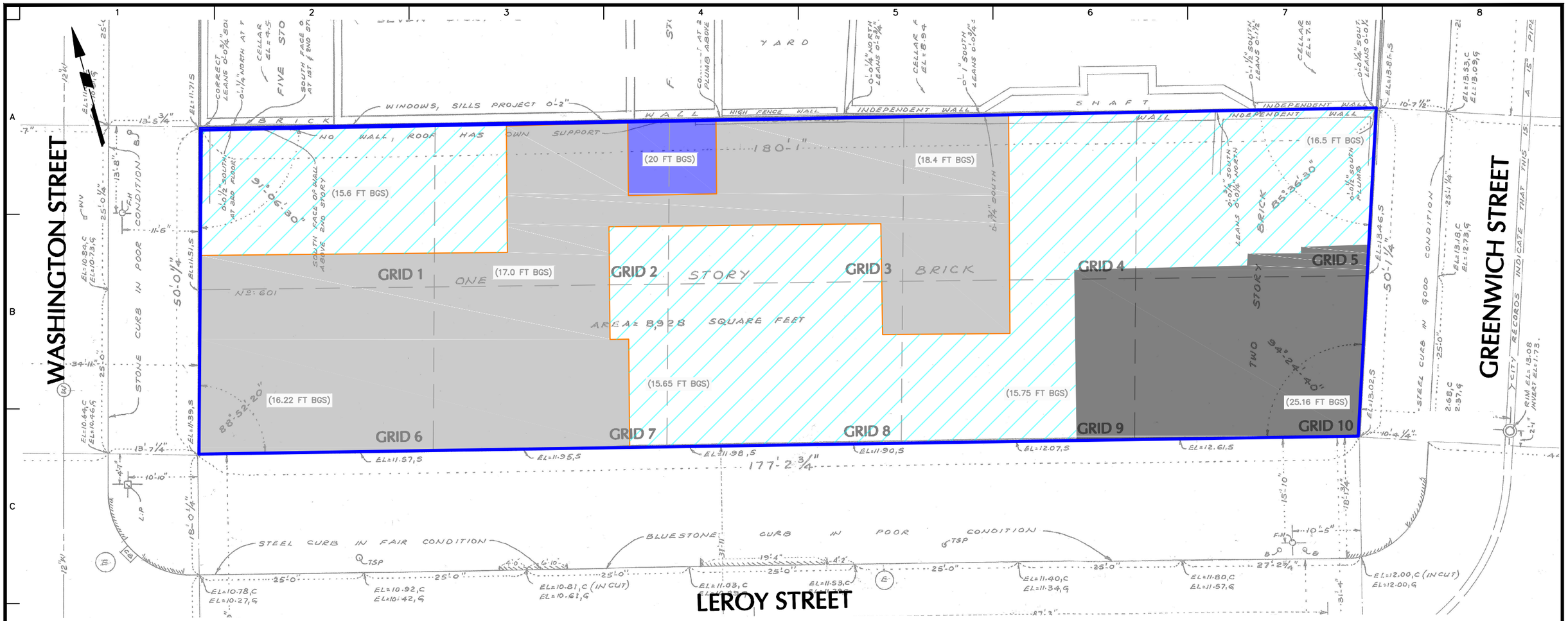
NEW YORK **NEW YORK**

Figure Title

SITE LAYOUT MAP

Project No. 170263301	Figure No. 2
Date 12/17/2014	
Scale 1" = 30'	
Drawn By AT / Checked By JG	
Submission Date 10/3/2017	Sheet 2 of 8

Filename: \\langan.com\data\NYC\data3\170263301\Cadd Data - 170263301\2D-DesignFiles\Environmental\FER\Figure 2 - Site Plan.dwg Date: 10/3/2017 Time: 09:31 User: nkung Style Table: Langan.stb Layout: Figure 1 - NYC Tax Map



LEGEND:

- APPROXIMATE BCP SITE BOUNDARY
- DOCUMENTATION SAMPLE GRID LINES
- EXCAVATION TO ELEVATION -2
- EXCAVATION FROM ELEVATION-3.0 TO-3.5
- EXCAVATION TO ELEVATION -6.2
- EXCAVATION TO ELEVATION -10

GENERAL NOTES:

1. BASE MAP IS TAKEN FROM SURVEY, PREPARED BY EARL B. LOVELL - S.P. BELCHER, INC., DATED DECEMBER 20, 2013. ELEVATIONS SHOWN ON THE SURVEY ARE REFERENCED TO THE BOROUGH PRESIDENT OF MANHATTAN DATUM (BPMD).
2. EXCAVATION ELEVATIONS ARE APPROXIMATE AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), WHICH IS 1.65 FEET HIGHER THAN BPMD. PRE-DEVELOPMENT SITE ELEVATION WAS APPROXIMATELY 13.6 NAVD88.
3. EXCAVATION DEPTHS ARE APPROXIMATE.
4. BCP = BROWNFIELD CLEANUP PROGRAM
5. FT BGS = FEET BELOW GRADE SURFACE

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WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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BLOCK No. 602, LOT No.28
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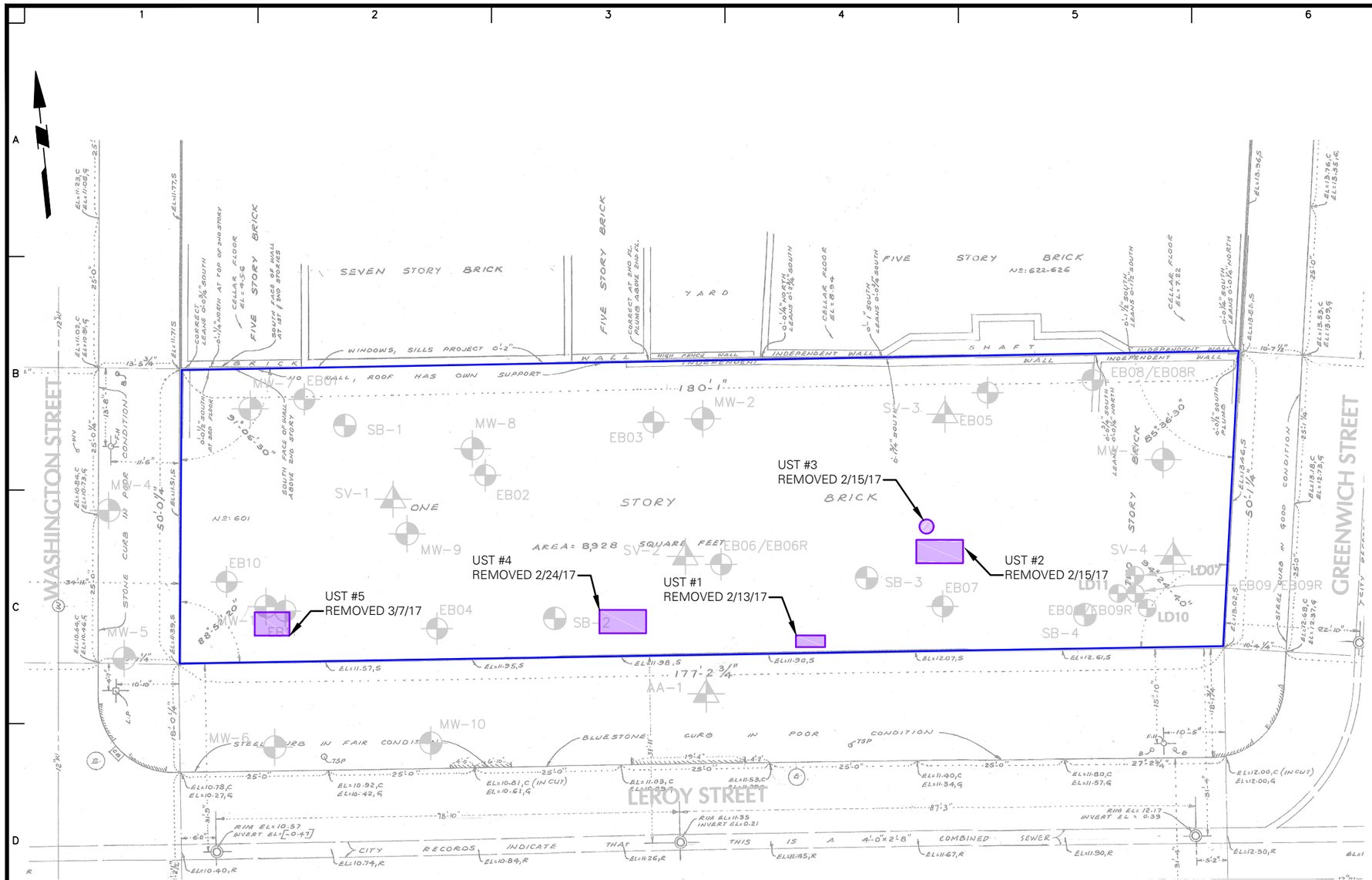
Figure Title
REMEDIAL EXCAVATION EXTENTS MAP

Project No. 170263301	Figure No. 3
Date 09/26/2017	
Scale 1" = 15'	
Drawn By ERA / Checked By ES	
Submission Date 10/04/2017	Sheet 3 of 8

Filename: \\langan.com\data\NY\data3\170263301\Cadd Data - 170263301\2D-DesignFiles\Environmental\FER\Figure 3 - Excavation Extents Map.dwg Date: 11/28/2017 Time: 13:11 User: ascher Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

- SITE BOUNDARY
- SB-1 — RI SOIL BORING LOCATION
- MW-1 — RI GROUNDWATER MONITORING WELL LOCATION
- SV-1 — RI SOIL VAPOR POINT LOCATION
- AA-1 — RI AMBIENT AIR SAMPLE LOCATION
- EB-07 — PRE-DESIGN CHARACTERIZATION SOIL BORING LOCATION
- MW-10 — PRE-DESIGN CHARACTERIZATION MONITORING WELL LOCATION
- LD07 — LEAD DELINEATION SOIL BORING LOCATION
- APPROXIMATE LOCATION OF OBSERVED UNDERGROUND STORAGE TANK (UST)

GENERAL NOTES:

1. BASE MAP TAKEN FROM SURVEY, PREPARED BY EARL B. LOVELL - S.P. BELCHER, INC., DATED DECEMBER 20, 2013. ELEVATIONS SHOWN ON THE SURVEY ARE REFERENCED TO THE BOROUGH PRESIDENT OF MANHATTAN DATUM (BPMD).
2. EXCAVATION ELEVATIONS ARE APPROXIMATE AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), WHICH IS 1.65 FEET HIGHER THAN BPMD.
3. UST = UNDERGROUND STORAGE TANK
4. UST #1 (ABOUT 275 GALLONS) UNCOVERED DURING REMEDIAL EXCAVATION ON FEBRUARY 2, 2017.
5. UST #2 (ABOUT 700 GALLONS) AND #3 (ABOUT 15 GALLONS) UNCOVERED DURING REMEDIAL EXCAVATION ON FEBRUARY 13, 2017.
6. UST #4 (ABOUT 750 GALLONS) WAS UNCOVERED DURING REMEDIAL EXCAVATION ON FEBRUARY 21, 2017.
7. UST#5 (ABOUT 550 GALLONS) WAS UNCOVERED DURING REMEDIAL EXCAVATION ON MARCH 6, 2017.

20 0 5 10 20
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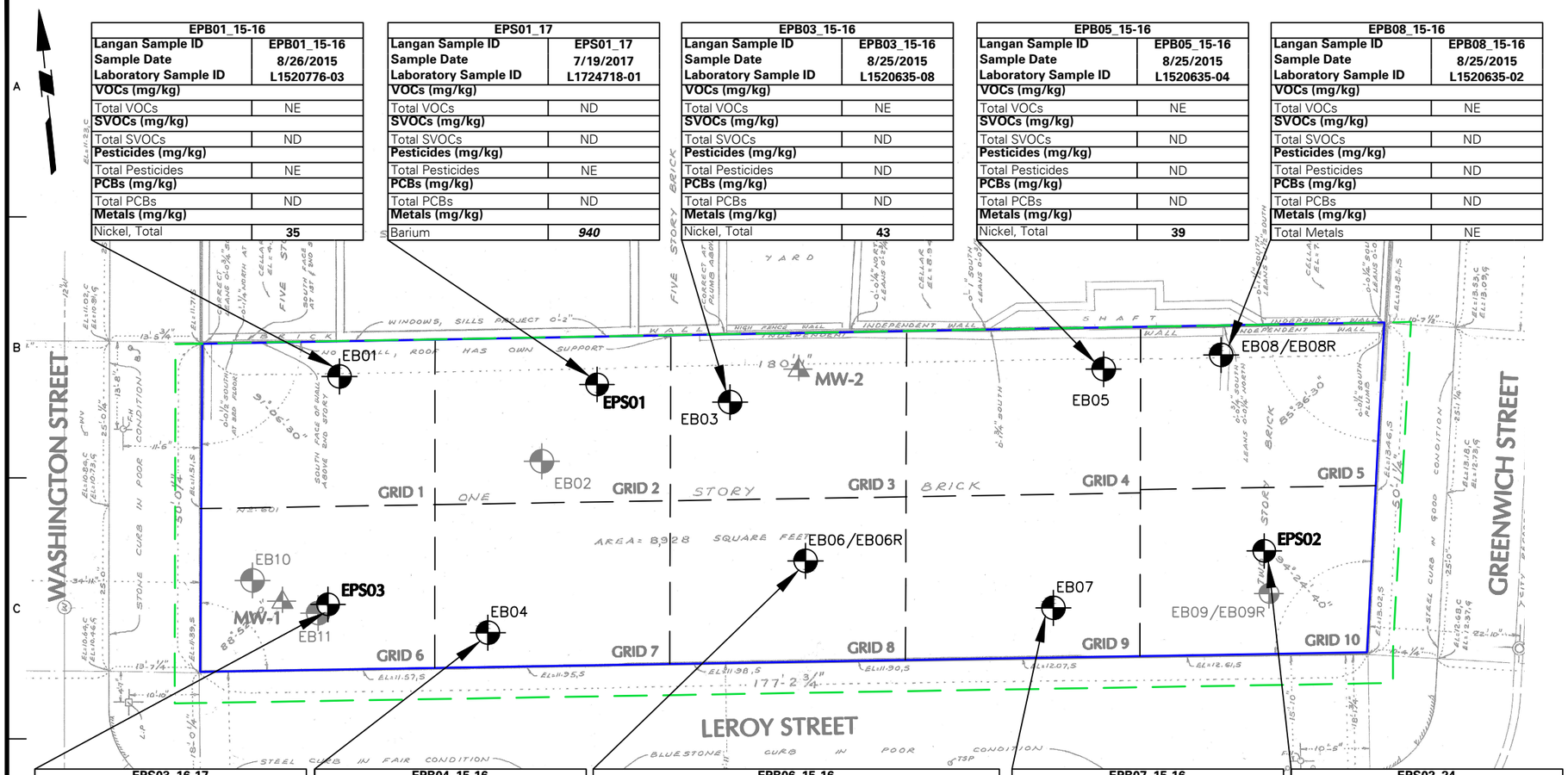
601 WASHINGTON STREET
BLOCK No. 602, LOT No. 28
NEW YORK NEW YORK

Figure Title
UNDERGROUND STORAGE TANK LOCATION PLAN

Project No. 170263301	Figure No. 4
Date 02/15/2017	
Scale 1" = 20'	
Drawn By VDP / Checked By JG	
Submission Date 10/04/2017	Sheet 4 of 8

Filename: \\langan.com\data\NYC\data3\170263301\Cadd Data - 170263301\2D-DesignFiles\Environmental\170263301_601_Washington_UST_Location_Map_03.09.2017.dwg Date: 10/4/2017 Time: 14:44 User: eadkins Style Table: Langan.stb Layout: UST Location Plan



EPB01_15-16	
Langan Sample ID	**EPB01_15-16**
Sample Date	**8/26/2015**
Laboratory Sample ID	**L1520776-03**
VOCs (mg/kg)	
Total VOCs	NE
SVOCs (mg/kg)	
Total SVOCs	ND
Pesticides (mg/kg)	
Total Pesticides	NE
PCBs (mg/kg)	
Total PCBs	ND
Metals (mg/kg)	
Nickel, Total	**35**

EPS01_17	
Langan Sample ID	**EPS01_17**
Sample Date	**7/19/2017**
Laboratory Sample ID	**L1724718-01**
VOCs (mg/kg)	
Total VOCs	ND
SVOCs (mg/kg)	
Total SVOCs	ND
Pesticides (mg/kg)	
Total Pesticides	NE
PCBs (mg/kg)	
Total PCBs	ND
Metals (mg/kg)	
Barium	***940***

EPB03_15-16	
Langan Sample ID	**EPB03_15-16**
Sample Date	**8/25/2015**
Laboratory Sample ID	**L1520635-08**
VOCs (mg/kg)	
Total VOCs	NE
SVOCs (mg/kg)	
Total SVOCs	ND
Pesticides (mg/kg)	
Total Pesticides	ND
PCBs (mg/kg)	
Total PCBs	ND
Metals (mg/kg)	
Nickel, Total	**43**

EPB05_15-16	
Langan Sample ID	**EPB05_15-16**
Sample Date	**8/25/2015**
Laboratory Sample ID	**L1520635-04**
VOCs (mg/kg)	
Total VOCs	NE
SVOCs (mg/kg)	
Total SVOCs	ND
Pesticides (mg/kg)	
Total Pesticides	ND
PCBs (mg/kg)	
Total PCBs	ND
Metals (mg/kg)	
Nickel, Total	**39**

EPB08_15-16	
Langan Sample ID	**EPB08_15-16**
Sample Date	**8/25/2015**
Laboratory Sample ID	**L1520635-02**
VOCs (mg/kg)	
Total VOCs	NE
SVOCs (mg/kg)	
Total SVOCs	ND
Pesticides (mg/kg)	
Total Pesticides	ND
PCBs (mg/kg)	
Total PCBs	ND
Metals (mg/kg)	
Total Metals	NE

EPS03_16-17	
Langan Sample ID	**EPS03_16-17**
Sample Date	**9/22/2017**
Laboratory Sample ID	**L1734007-01**
VOCs (mg/kg)	
Total VOCs	ND
SVOCs (mg/kg)	
Total SVOCs	ND
Pesticides (mg/kg)	
Total Pesticides	ND
PCBs (mg/kg)	
Total PCBs	ND
Metals (mg/kg)	
Total Metals	NE

EPB04_15-16	
Langan Sample ID	**EPB04_15-16**
Sample Date	**8/26/2015**
Laboratory Sample ID	**L1520776-02**
VOCs (mg/kg)	
Total VOCs	ND
SVOCs (mg/kg)	
Total SVOCs	ND
Pesticides (mg/kg)	
Total Pesticides	ND
PCBs (mg/kg)	
Total PCBs	ND
Metals (mg/kg)	
Nickel, Total	**120**

EPB06_15-16		
Langan Sample ID	**EPB06_15-16**	**EPBDUP01_082515**
Sample Date	**8/25/2015**	**8/25/2015**
Laboratory Sample ID	**L1520635-05**	**L1520635-06**
VOCs (mg/kg)		
Total VOCs	ND	NE
SVOCs (mg/kg)		
Total SVOCs	ND	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
PCBs (mg/kg)		
Total PCBs	ND	ND
Metals (mg/kg)		
Total Metals	NE	NE

EPB07_15-16	
Langan Sample ID	**EPB07_15-16**
Sample Date	**8/25/2015**
Laboratory Sample ID	**L1520635-03**
VOCs (mg/kg)	
Total VOCs	NE
SVOCs (mg/kg)	
Total SVOCs	ND
Pesticides (mg/kg)	
Total Pesticides	ND
PCBs (mg/kg)	
Total PCBs	ND
Metals (mg/kg)	
Total Metals	NE

EPS02_24	
Langan Sample ID	**EPS02_24**
Sample Date	**8/3/2017**
Laboratory Sample ID	**L1726967-01**
VOCs (mg/kg)	
Total VOCs	ND
SVOCs (mg/kg)	
Total SVOCs	ND
Pesticides (mg/kg)	
Total Pesticides	ND
PCBs (mg/kg)	
Total PCBs	ND
Metals (mg/kg)	
Total Metals	NE

LEGEND:

- SITE BOUNDARY
- APPROXIMATE SITE-WIDE MASS EXCAVATION TO GREATER THAN 15 FEET BELOW GRADE SURFACE (BGS)
- EB07 — PRE-DESIGN CONFIRMATION SOIL BORING LOCATION
- EPS01 — DOCUMENTATION SAMPLE LOCATION
- EB02 — FORMER DOCUMENTATION SAMPLE LOCATION
- DOCUMENTATION SAMPLE GRID LINES
- MW-1 — DECOMMISSIONED GROUNDWATER MONITORING WELL LOCATION INSTALLED DURING THE REMEDIAL INVESTIGATION

GENERAL NOTES:

1. BASE MAP TAKEN FROM SURVEY, PREPARED BY EARL B. LOVELL - S.P. BELCHER, INC., DATED DECEMBER 20, 2013. ELEVATIONS SHOWN ON THE SURVEY ARE REFERENCED TO THE BOROUGH PRESIDENT OF MANHATTAN DATUM (BPMD).
2. EXCAVATION ELEVATIONS ARE APPROXIMATE AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), WHICH IS 1.65 FEET HIGHER THAN BPMD.
3. SAMPLES COLLECTED FROM BORINGS EB02, EB09/EB09R, EB10, AND EB11 SUPERSEDED BY DEEPER SOIL SAMPLES COLLECTED AT EPS01, EPS02, AND EPS03 RESPECTIVELY.
4. ALL LOCATIONS ARE APPROXIMATE.
5. NYSDEC = NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
6. SCO = SOIL CLEANUP OBJECTIVE
7. EXCEEDANCES OF NYSDEC PART 375 UNRESTRICTED USE SCOs ARE BOLD.
8. EXCEEDANCES OF NYSDEC PART 375 RESIDENTIAL SCOs ARE BOLD AND ITALICIZED.
9. ND = NOT DETECTED
10. NE = NO EXCEEDANCES
11. mg/kg = MILLIGRAMS PER KILOGRAM
12. VOC = VOLATILE ORGANIC COMPOUND
13. SVOC = SEMIVOLATILE ORGANIC COMPOUND
14. PCB = POLYCHLORINATED BIPHENYLS

Compound	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Residential SCO
Metals (mg/kg)		
Barium	350	350
Nickel	30	140

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Collectively known as Langan

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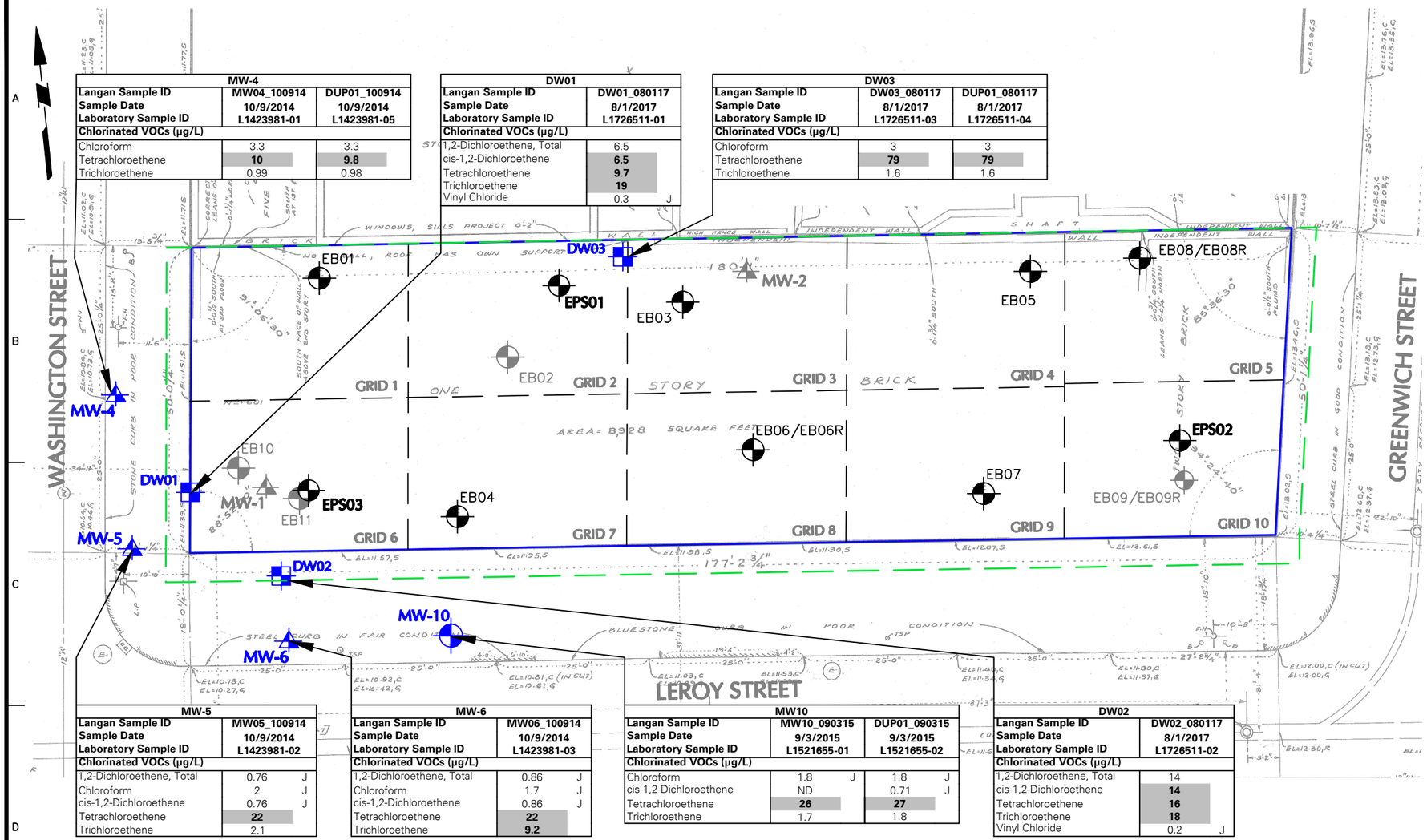
NEW YORK NEW YORK

Figure Title
DOCUMENTATION SOIL SAMPLE RESULTS MAP

Project No. 170263301	Figure No. 5
Date 09/26/2017	
Scale 1" = 20'	
Drawn By ERA / Checked By ELS	
Submission Date 10/04/2017	Sheet 5 of 8

Filename: \\langan.com\data\NYC\data3\170263301\Cadd Data - 170263301\2D-DesignFiles\Environmental\FER\Figure 5 - Documentation Soil Sample Results.dwg Date: 10/4/2017 Time: 15:02 User: eadkins Style Table: Langan.stb Layout: DOCUMENTATION SAMPLE RESULTS



MW-4		
Langan Sample ID	**MW04_100914**	**DUP01_100914**
Sample Date	**10/9/2014**	**10/9/2014**
Laboratory Sample ID	**L1423981-01**	**L1423981-05**
Chlorinated VOCs (µg/L)		
Chloroform	3.3	3.3
Tetrachloroethene	**10**	**9.8**
Trichloroethene	0.99	0.98

DW01		
Langan Sample ID	**DW01_080117**	
Sample Date	**8/1/2017**	
Laboratory Sample ID	**L1726511-01**	
Chlorinated VOCs (µg/L)		
1,2-Dichloroethene, Total	6.5	
cis-1,2-Dichloroethene	**6.5**	
Tetrachloroethene	**9.7**	
Trichloroethene	**19**	
Vinyl Chloride	0.3	J

DW03		
Langan Sample ID	**DW03_080117**	**DUP01_080117**
Sample Date	**8/1/2017**	**8/1/2017**
Laboratory Sample ID	**L1726511-03**	**L1726511-04**
Chlorinated VOCs (µg/L)		
Chloroform	3	3
Tetrachloroethene	**79**	**79**
Trichloroethene	1.6	1.6

MW-5		
Langan Sample ID	**MW05_100914**	
Sample Date	**10/9/2014**	
Laboratory Sample ID	**L1423981-02**	
Chlorinated VOCs (µg/L)		
1,2-Dichloroethene, Total	0.76	J
Chloroform	2	J
cis-1,2-Dichloroethene	0.76	J
Tetrachloroethene	**22**	
Trichloroethene	2.1	

MW-6		
Langan Sample ID	**MW06_100914**	
Sample Date	**10/9/2014**	
Laboratory Sample ID	**L1423981-03**	
Chlorinated VOCs (µg/L)		
1,2-Dichloroethene, Total	0.86	J
Chloroform	1.7	J
cis-1,2-Dichloroethene	0.86	J
Tetrachloroethene	**22**	
Trichloroethene	**9.2**	

MW10			
Langan Sample ID	**MW10_090315**	**DUP01_090315**	
Sample Date	**9/3/2015**	**9/3/2015**	
Laboratory Sample ID	**L1521655-01**	**L1521655-02**	
Chlorinated VOCs (µg/L)			
Chloroform	1.8	J	1.8 J
cis-1,2-Dichloroethene	ND		0.71 J
Tetrachloroethene	**26**		**27**
Trichloroethene	1.7		1.8

DW02		
Langan Sample ID	**DW02_080117**	
Sample Date	**8/1/2017**	
Laboratory Sample ID	**L1726511-02**	
Chlorinated VOCs (µg/L)		
1,2-Dichloroethene, Total	14	
cis-1,2-Dichloroethene	**14**	
Tetrachloroethene	**16**	
Trichloroethene	**18**	
Vinyl Chloride	0.2	J

Compound	NYSDEC AWQS TOGS 1.1.1
Chlorinated VOCs (µg/L)	
1,2-Dichloroethene, Total	~
Chloroform	7
cis-1,2-Dichloroethene	5
Tetrachloroethene	5
Trichloroethene	5
Vinyl chloride	2

LEGEND:

- SITE BOUNDARY
- APPROXIMATE SITE-WIDE MASS EXCAVATION TO GREATER THAN 15 FEET BELOW GRADE SURFACE (BGS)
- EB07 — PRE-DESIGN CONFIRMATION SOIL BORING LOCATION
- EPS01 — DOCUMENTATION SAMPLE LOCATION
- EB02 — FORMER DOCUMENTATION SAMPLE LOCATION
- DOCUMENTATION SAMPLE GRID LINES
- MW-1 — DECOMMISSIONED GROUNDWATER MONITORING WELL LOCATION INSTALLED DURING THE AUGUST 2014 REMEDIAL INVESTIGATION
- DW01 — POST-REMEDIATION L GROUNDWATER SAMPLE LOCATION
- MW04 — GROUNDWATER MONITORING WELL LOCATION INSTALLED DURING THE REMEDIAL INVESTIGATION
- MW-10 — GROUNDWATER MONITORING WELL LOCATION INSTALLED DURING THE AUGUST 2015 SUPPLEMENTAL INVESTIGATION

GENERAL NOTES:

1. BASE MAP TAKEN FROM SURVEY, PREPARED BY EARL B. LOVELL - S.P. BELCHER, INC., DATED DECEMBER 20, 2013. ELEVATIONS SHOWN ON THE SURVEY ARE REFERENCED TO THE BOROUGH PRESIDENT OF MANHATTAN DATUM (BPMD).
2. ALL LOCATIONS ARE APPROXIMATE.
3. ANALYTICAL RESULTS WERE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS (AWQS) FOR CLASS GA WATER.
4. EXCEEDANCES OF NYSDEC AWQS TOGS 1.1.1 ARE BOLD AND HIGHLIGHTED.
9. ONLY DETECTED CHLORINATED VOLATILE ORGANIC COMPOUNDS (VOCS) ARE SHOWN.
10. ~ = NYSDEC AWQS CRITERIA DOES NOT EXIST FOR THE ANALYTE.
11. J = ANALYTE DETECTED AT OR ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.
12. µg/L = MICROGRAMS PER LITER
13. ND = NOT DETECTED

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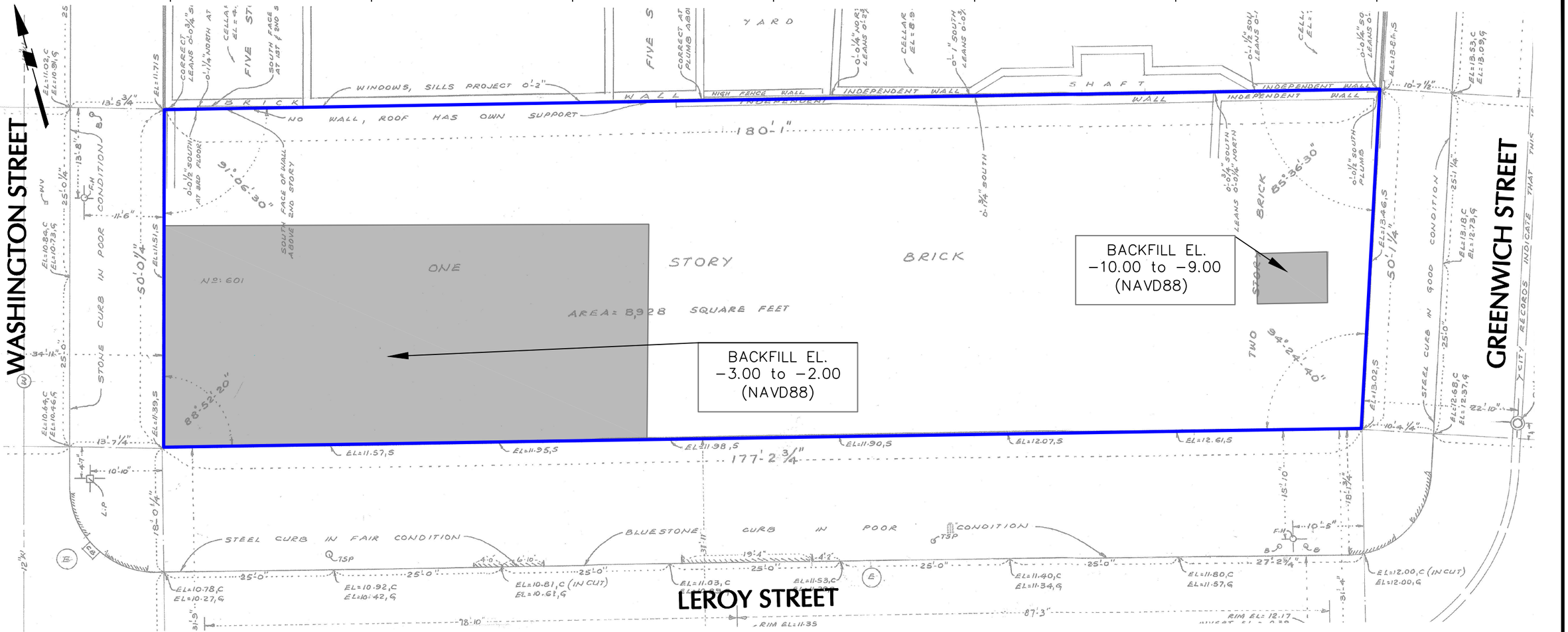
Figure Title
POST-REMEDY GROUNDWATER SAMPLE RESULTS MAP

Project No. 170263301	Figure No. 6
Date 09/28/2017	
Scale 1" = 20'	
Drawn By ERA / Checked By ELS	
Submission Date 10/04/2017	Sheet 6 of 8

Filename: \\langan.com\data\NYC\data3\170263301\Cadd Data - 170263301\2D-DesignFiles\Environmental\FER\Figure 6 - Groundwater Sample Results.dwg Date: 10/12/2017 Time: 13:33 User: eadkins Style Table: Langan.stb Layout: GROUNDWATER SAMPLE RESULTS



LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LOCATION OF 3/4-INCH CLEAN BLUE STONE BACKFILL

GENERAL NOTES:

1. BASE MAP IS TAKEN FROM SURVEY, PREPARED BY EARL B. LOVELL - S.P. BELCHER, INC., DATED DECEMBER 20, 2013. ELEVATIONS SHOWN ON THE SURVEY ARE REFERENCED TO THE BOROUGH PRESIDENT OF MANHATTAN DATUM (BPMD).
2. BACKFILL ELEVATIONS ARE APPROXIMATE AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), WHICH IS 1.65 FEET HIGHER THAN BPMD.
3. 3/4-INCH CLEAN BLUE STONE BACKFILL WAS COMPACTED IN 1-FOOT LIFTS TO DEVELOPMENT GRADE.

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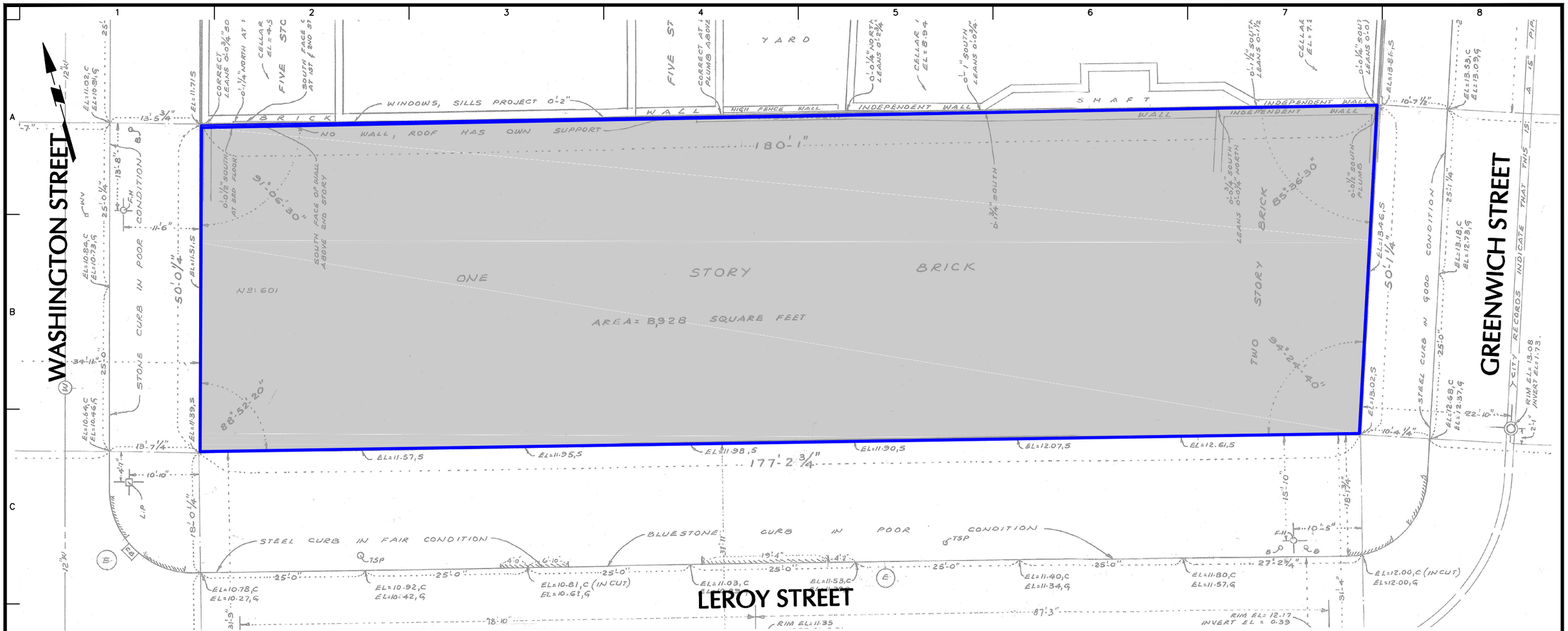
Project	601 WASHINGTON STREET BLOCK No. 602, LOT No. 28 NEW YORK NEW YORK
Figure Title	BACKFILL AREA LOCATION MAP
Project No. 170263301	Figure No. 7
Date 09/27/2017	
Scale 1" = 15'	
Drawn By ERA / Checked By ES	
Submission Date 10/04/2017	Sheet 7 of 8

Filename: \\langan.com\data\NYC\data3\170263301\Cadd Data - 170263301\2D-DesignFiles\Environmental\FER\Figure 7 - Backfill Area Location Map and Cross Section.dwg Date: 12/4/2017 Time: 17:26 User: esnead Style Table: Langan.stb Layout: Backfill Location Plan (2)



LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE EXTENT OF CONCRETE FOUNDATION AND WATERPROOFING AND VAPOR BARRIER MEMBRANE

GENERAL NOTES:

1. BASE MAP TAKEN FROM SURVEY, PREPARED BY EARL B. LOVELL - S.P. BELCHER, INC., DATED DECEMBER 20, 2013. ELEVATIONS SHOWN ON THE SURVEY ARE REFERENCED TO THE BOROUGH PRESIDENT OF MANHATTAN DATUM (BPMD).
2. CONCRETE FOUNDATION (ABOUT 24 TO 54 INCHES THICK) AND WATERPROOFING AND VAPOR BARRIER MEMBRANE COVER THE ENTIRE SITE.
3. THE FOUNDATION, VAPOR BARRIER MEMBRANE AND WATERPROOFING ARE NOT ELEMENTS OF THE REMEDY.

15 0 5 10 15
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Figure Title
SITE COVER AND WATERPROOFING / VAPOR BARRIER EXTENTS MAP

Project No. 170263301	Figure No. 8
Date 09/27/2017	
Scale 1" = 15'	
Drawn By ERA / Checked By ES	
Submission Date 10/04/2017	Sheet 8 of 8

Filename: \\langan.com\data\NYC\data3\170263301\Cadd Data - 170263301\2D-DesignFiles\Environmental\FER\Figure 8 - Engineering Controls Plan.dwg Date: 11/14/2017 Time: 11:51 User: nkung Style Table: Langan.stb Layout: SITE COVER PLAN

APPENDICES
(Separate Attachment)