CONSTRUCTION COMPLETION REPORT

for

SILVERCUP WEST – NYPA SITE
42-22 through 42-48 Vernon Blvd
Long Island City, New York

BCP Site No. C241109
NYSDEC Spill No. 93-09139

Prepared For:

Terra Cotta, LLC
44-22 22nd Road
Long Island City, New York 11101

Prepared By:

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August 24, 2020
005635008

CERTIFICATION

I, Jason J. Hayes, certify that I am currently a NYS Registered Professional Engineer and that this Construction Completion Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation. I certify that all activities were performed in full accordance with the DER-approved work plans and any DER-approved modifications.

089491-1 — NYS Professional Engineer #

8/24/2020 — Date

Signature

STATE OF NEW YORK * JASON JAMES HAYES * LICENSED PROFESSIONAL ENGINEER 089491 8/24

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1.0 INTRODUCTION

This Construction Completion Report (CCR) was prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) on behalf of Terra Cotta, LLC (the Volunteer) for the Silvercup West – New York Power Authority (NYPA) site located at 42-22 to 42-48 Vernon Boulevard, Long Island City, New York ("the site"). The Volunteer executed a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in November 2009. This CCR describes and documents the remedial activities performed in accordance with the NYSDEC-approved May 20, 2013 Interim Remedial Measure Work Plan (IRM WP) and its April 18, 2016 Addendum.

The IRM WP and Addendum were prepared to address the design and installation of a new waterfront bulkhead cutoff wall along the western perimeter of the NYPA site to prevent the migration of petroleum product into the East River. The IRM WP and Addendum were implemented at the site between June 25, 2018 and October 30, 2019 and consisted of the following tasks:

- Completion of a preliminary waste characterization prior to excavation activities.
- Excavation and off-site disposal of petroleum-impacted media and soil impacted with elevated levels of cobalt (as identified and delineated around borings EB-04 and EB-05). The remedial excavations along the NYPA waterfront extended to about one foot below the observed water table, from about elevation[1] (el.) -1 NAVD88 to el. -4 (from about 2 to 12 feet below grade surface [bgs]). Groundwater was observed between about el. 0 and el. -3 NAVD88 during remedial excavations along the NYPA waterfront.
- Excavation and disposal off-site of approximately 4,494 tons (about 2,996 cubic yards) of non-hazardous petroleum-impacted soil/fill and 1,748 tons (about 1,165 cubic yards) of non-hazardous historic fill.
- Disposal of 13 drums containing non-hazardous petroleum-impacted soil and 6 drums containing spent petroleum socks/absorbent pads from remedial excavation activities
- Removal of 168,599 gallons of petroleum-impacted groundwater locally dewatered from the base of the excavation
- Installation of a new bulkhead cutoff wall with outfall along the western boundary of the site in accordance with the May 2013 IRM Work Plan and April 2016 Addendum. The cutoff wall was constructed of 40-foot-long continuous steel sheet piles with sealed seams and a sheet pile deadman. A continuous concrete cap was placed at the top of the cutoff wall following installation of the sheet piles.

[1] Elevations reference the United States Geologic Survey (USGS) North American Vertical Datum of 1988 (NAVD88), which is approximately 1.1 feet above mean sea level datum at Sandy Hook New Jersey (NGVD 1929).

- Collection and analysis of soil samples along the base and sidewalls of the remedial excavation to document contaminant concentrations in soil remaining on-site
- Placement of a demarcation layer consisting of woven geotextile fabric along the base of the remedial excavation to provide a visual reference, where the surface is capped with clean soil. Following placement of the filter fabric demarcation layer at the base of the remedial excavation, ¾-inch virgin crushed stone was used as backfill to bring the remedial excavation from below the water table to about one foot above the water table (minimum 2-foot-thick layer of ¾-inch stone). The filter fabric was wrapped around the ¾-inch stone to prevent future wash-out.
- Placement of cap treatments including Lime Item #4 quarry stone aggregate and/or clean topsoil meeting the soil quality requirements in Part 375-6.7(d)(ii)(b) (i.e., lower of Protection of Groundwater [PG] soil cleanup objectives (SCO) or Restricted-Use Residential [RUR] SCOs) at development grades in the eastern and southern region of the IRM WP work area (west of the NYPA fence line). Final cap placement will be addressed as part of the final site remedy.
- Restoration and/or replacement of chain-link security fencing to encompass the western region of the NYPA site.

2.0 BACKGROUND

2.1 Site Location and Description

The site is located at 42-22 to 42-48 Vernon Boulevard in the Long Island City neighborhood of Queens, New York (Borough of Queens Tax Block 477, Lot 24). The site is bounded by the Silvercup West – Terra Cotta property (Brownfield Cleanup Program [BCP] Site Nos. C2410099, C241086, C241100, and C241101) followed by the Queensboro Bridge to the north, Vernon Boulevard to the east, 43rd Avenue to the south, and the East River to the west. The site is about 3.4 acres and is improved with a natural gas-fired electric power plant operated by NYPA. The surrounding area is primarily industrial and commercial, with some residential areas to the north beyond the Queensboro Bridge. A site location map is included as Figure 1. A site plan is included as Figure 2.

2.2 Surrounding Property Land Use

The site is located in an urban setting that is characterized by residential, commercial, and industrial buildings. The following table summarizes surrounding property usage:

Direction	Property Description
North	Silvercup West – Terra Cotta Site – Parcel A (BCP Site No. C2441099), Parcel B (BCP Site No. C241086), Parcel C (BCP Site No. C241100), and Parcel D (BCP Site No. C241101) followed by New York City Department of Transportation (NYCDOT)-owned land and the Ed Koch Queensboro Bridge
South	43rd Avenue followed by a Con Edison training facility, light industrial buildings, and warehouses
East	The remainder of the NYPA power generation facility followed by Vernon Blvd and commercial-use buildings
West	East River

The surrounding area is highly urbanized and characterized by major infrastructure including subway tunnels, the Ed Koch Queensboro Bridge, underground utility lines, storm drains, and sewers. The New York City Metropolitan Transit Authority (MTA) N, Q and R subway lines extend underneath the Ed Koch Queensboro Bridge about 150 feet north of the site.

Sensitive receptors (as defined in Technical Guidance for Site Investigations and Remediation [DER-10]) located within a half mile of the site include those listed in the following table:

Number	Name (Approximate distance from site)	Address
1	Queensbridge Park (0.05 miles north)	40-50 Vernon Boulevard, Long Island City, New York 11101
2	Western Queens Nursery School (0.18 miles northeast)	10-26 41st Rd, Long Island City, New York 11101
3	Industrial Management and Train School (0.20 miles south)	43-82 Vernon Blvd, Long Island City, New York 11101
4	Roosevelt Island Day Nursery School (0.30 miles northwest)	4 River Road, New York, New York 10044
5	Busy Bee Playcare (0.34 miles southwest)	10-21 44th Drive, Long Island City, New York 11101
6	Information Technology High School (0.37 miles southeast)	21-16 44th Rd, Long Island City, New York 11101
7	Mason Tender School (0.38 miles southeast)	42-53 21st Street, Long Island City, New York 11101
8	Queens Paideia School (0.43 miles southeast)	44-02 23rd St, Long Island City, New York 11101
9	School of Construction Safety (0.43 miles south)	10-40 45th Ave, Long Island City, New York 11101
10	Sage Music (0.44 miles southeast)	44-02 23rd St., Long Island City, New York 11101
11	New York Kids Club – Court Square (0.46 miles south)	44-16 23rd Street, Long Island City, New York 11101
12	Apex Technical School (0.48 miles southeast)	24-02 Queens Plaza S, Long Island City, New York 11101
13	New York Kids Club – Long Island City (0.5 miles south)	4545 Center Blvd, Long Island City, New York 11104

2.3 Site Geology

2.3.1 Topography

According to March 26, 2015 Topographical Survey of Vernon Substation prepared by C.T. Male Associates, the NYPA site elevation ranges from about el. 0.1 feet NAVD88 in the western region of the site along the East River to about el. 17 feet NAVD88 in the eastern portion of the site. Within the IRM WP work area in the western region of the NYPA site, pre-construction surface grade elevations ranged from about el. 0.1 to el. 14 feet NAVD88.

2.3.2 Geologic Conditions

Based on the findings of previous investigations, subsurface strata primarily consist of historic fill underlain by sand, silt, and cobbles. The historic fill primarily consists of brown, dark brown and

black, fine to medium-grained sand with varying amounts of gravel, silt, brick, concrete, wood, asphalt, coal ash, slag, plastic, and organics. The historic fill layer is about 5 to 21 feet thick in the eastern region of the site, about 4 to 15 feet in the central region of the site, and up to 20 feet thick in the western region of the site. A reddish-brown, fine to medium native sand deposit containing some silt and fine gravel is located below the historic fill. The native sand deposit is about 10 to 30 feet thick in the eastern region of the site, about 5 to 15 feet thick in the central region of the site, and about 0 to 15 feet thick in the western region of the site.

Between 5 and 10 feet of weathered to decomposed rock is present below the natural sand deposit throughout the site. The bedrock underlying the historic fill and natural sand deposits has weathered into grayish-brown coarse sand with cobbles, gravel, silt and mica. The depth to competent rock ranges from about 45 to 60 feet bgs in the eastern region of the site, to about 10 to 25 feet bgs in the central region of the site, to about 36 feet bgs in the western region of the site.

2.3.3 Hydrogeology

Groundwater was encountered at elevations ranging from about el. 3.83 to el. 11.83 NAVD88 during previous environmental investigations performed throughout the NYPA and adjoining Terra Cotta site in 2007, with higher groundwater elevations observed in the eastern region of the site. Average NYPA waterfront groundwater elevations were observed between about el 2.5 to 3 NAVD88 during previous environmental investigations performed in 2007. Groundwater flow is presumed to be from east to west toward the East River, and is tidally and seasonally influenced. During remedial excavations for bulkhead installation along the western region of the NYPA site in the fall/winter of 2018, the water table was observed at lower elevations ranging from about el. -3 to el. 0 NAVD88. Remedial excavations extended about one foot into the water table between el. -4 to el. -1 NAVD88.

2.4 Site History

2.4.1 Environmental History

Historic Sanborn fire insurance maps indicate that the NYPA site was occupied by the New York Architectural Terra Cotta company, from before 1898 (earliest records reviewed) until sometime after 1915, for the manufacturing of terra cotta. In 1932, the New York Architectural Terra Cotta company went bankrupt, and it was taken over by the Eastern Terra Cotta Company. Following terra cotta manufacturing, the site was used by the former Royal Petroleum Terminal, which was constructed in the early 1940s. The facility served primarily as a distribution center for heating oil.

On April 16, 1980, the United States Coast Guard (USCG) observed an oil slick on the East River along the bulkhead connected to the site. In response, about 92 monitoring wells were installed along the NYPA site and the north-adjacent Silvercup West – Terra Cotta site. A widespread

accumulation of oil was found on the water table, with product thickness' up to 5 feet on the northwest portion of the NYPA site. Three recovery wells were installed across the site and about 1,200 gallons of product were recovered by the fall of 1980. Periodic pumping from the recovery and monitoring wells continued until late 1981, when recovery efforts ceased. Groundwater and product-thickness monitoring continued into 1986, at which time, only a sheen of oil was observed in select wells. The facility was closed in June 1987 and all oil storage tank systems were dismantled and facilities demolished.

Between 1990 and 2000, the site underwent remedial activities. A spill was reported to the NYSDEC in October 1993. NYSDEC Spill No. 9309139 is listed at 42-20 Vernon Boulevard (associated with the NYPA site) as a gasoline spill resulting from a tank failure at a major facility (listed as less than 400,000-gallons). Groundwater is listed as an affected resource and the spill number remains open. In February 1999, two product recovery trenches were installed by Arcadis Geraghty & Miller (AGM). About 500 gallons of oil and water were removed during the recovery process. Product removal continued until July 1999 when product was, at the time, deemed no longer recoverable.

Construction of the NYPA facility was completed in 2002. During initial phases of construction, excavated soils were characterized and disposed off-site. About 6,000 tons of excavated material was managed as hazardous waste and sent to a United State Environmental Protection Agency (USEPA) licensed disposal facility.

In November 2009, the site enrolled in the NYSDEC BCP (Site No. C241109).

2.4.2 Previous Reports

The following environmental investigations and reports were prepared for the NYPA site and the north-adjacent Silvercup West – Terra Cotta site and are summarized in the May 20, 2013 IRM WP:

- Environmental Report for Former Long Island City Terminal, January 1994
- Environmental Liabilities Assessment for 41-98 and 42-02 through 42-16 Vernon Boulevard, May 1994
- Interim Remedial Measures and Site Characterization Investigation Report, July 1996
- Summary of Underground Storage Tank (UST) Closure Site Assessment – Terra Cotta Facility, September 1996
- Groundwater Investigation Report, January 1997
- Risk Assessment Report of Former Royal Petroleum Site, July 1997
- 550-gallon Storage Tank Excavation Report, September 1997
- UST Closure Additional Soil Removal Report, September 1997
- Phase I Environmental Site Assessment for 41-98 and 42-02 through 42-16 Vernon Boulevard, January 1999

- Phase II Environmental Site Assessment for Former Terra Cotta Company Property Located at 41-98 and 42-02 through 42-16 Vernon Boulevard, August 9, 1999
- Site Summary Report, May 2000
- Site Summary Report, August 2000
- Boring and Lab Results, December 2000
- Summary of Property Transfer Related Site Activities, January 2001
- Vernon Boulevard Turbine Site, Environmental History Report, February 2001
- Vernon Boulevard Turbine Site, Memorandum, March 2001
- Issue of Sediment Sampling, March 2001
- Site Investigation Work Plan, June 2002
- Geotechnical Data Report, Waterfront Stabilization and Rehabilitation, December 2002
- Vernon Boulevard Turbine Site, Site Investigation Work Plan, March 2003
- Pre-Construction Notification for a Revised Bank Stabilization Design, April 2005
- Limited Phase II Environmental and Geotechnical Investigation Work Plan, December 2006
- Supplemental Remedial Investigation Report, June 2007
- Remedial Investigation Report for Silvercup West Terra Cotta Site, September 5, 2007, and
- East River Sediment Sampling Report, May 30, 2008

The following reports were prepared following NYSDEC approval of the May 20, 2013 IRM WP in November 2013 and are summarized below:

- Interim Remedial Measure Work Plan Addendum, April 18, 2016, and
- Preliminary Waste Characterization Report, Silvercup West – NYPA Site, April 10, 2018

Interim Remedial Measure Work Plan Addendum, April 18, 2016

Langan prepared the IRM WP Addendum to present the construction design drawings for the proposed bulkhead cutoff wall to be constructed along the western site perimeter. The May 20, 2013 IRM WP only included conceptual bulkhead cutoff wall designs. The final bulkhead construction design included: 1) a continuous interlocking sheet pile wall using 40-foot-long steel sheets, as opposed to the king pile conceptual design; 2) horizontal ties to a deadman, located about 40 feet inland from the bulkhead, as opposed to the inclined anchor ties to rock; and 3) sealing the continuous sheet pile seam interlocks along the grossly-impacted zone to mitigate potential contaminant migration to the East River. In addition, the top of the wall was raised about

one foot to add protection against potential damage from storm surges during extreme weather events.

Preliminary Waste Characterization Report, April 10, 2018

Langan performed a preliminary waste characterization along the NYPA waterfront in February/March 2018 to provide data to assist the excavation contractor in obtaining off-site receiving facility pre-approvals for soil disposal.

The field investigation was performed on February 27 and March 1, 2018. The preliminary waste characterization investigation included the following:

- Installation of 8 soil borings along the NYPA waterfront
- Analysis of 21 grab and 5 composite soil samples (including duplicate samples) and analysis of 1 field blank sample and 2 trip blank samples for quality assurance/ quality control (QA/QC)

A summary of subsurface observations and analytical results from the preliminary waste characterization is provided below:

- Historic fill was observed in soil borings from grade surface to the termination depth of each boring at 3.5 to 20 feet bgs. The fill consisted of brown, dark brown, and black, fine to medium-grained sand with varying amounts of gravel, silt, brick, concrete, gypsum, asphalt, coal ash, slag, plastic, and organics.
- Saturated soils indicative of the approximate groundwater level were observed between about 2.5 to 3 feet bgs in borings closer to the East River waterfront (corresponding to about el -0.5 to 0 NAVD88), and from about 8 to 15 feet bgs in upland borings (corresponding to about el -2.5 to 0.25 NAVD88).
- Staining and petroleum-like odors were observed in all soil borings at varying depths from about 0.5 feet to 20 feet bgs. Elevated photoionization detector (PID) readings of up to 150 parts per million (ppm) volatile organic compounds (VOC) were detected at a depth of 1 to 4 feet bgs.
- No VOCs, polychlorinated biphenyls (PCB), pesticides, or herbicides exceeded the Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375-6.8(a) RUR and PG SCOs.
- Three semivolatile organic compounds (SVOC) including benzo(a)anthracene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene and one metal (mercury) were detected above the Part 375 RU or PG SCOs
- Total petroleum hydrocarbons – diesel range organics (TPH DRO) were detected up to 8,400 milligrams per kilogram (mg/kg)

- Total petroleum hydrocarbons – gasoline range organics (TPH GRO) were detected up to 1,000 mg/kg
- Resource Conservation and Recovery Act (RCRA) hazardous waste was not detected in the soil samples analyzed

3.0 REMEDIAL MEASURES

The interim remedy included installation of a new bulkhead cutoff wall along the western boundary of the NYPA site as described in the NYSDEC-approved May 20, 2013 IRM WP and April 18, 2016 Addendum. The objective of installing the cutoff wall was to prevent potential migration of petroleum impacts from the site into the East River. In addition, the cutoff wall allowed for the excavation and off-site disposal of petroleum-impacted soil landward of the cutoff wall, between the bulkhead and the deadman, by holding back the East River. The cutoff wall was installed along the NYPA waterfront at a location determined in coordination with NYSDEC.

The IRM WP and Addendum are provided in Appendix A. IRM implementation was conducted between June 25, 2018 and October 30, 2019 and included the following activities:

- Completion of a preliminary waste characterization prior to excavation activities.
- Excavation and off-site disposal of petroleum-impacted media and soil impacted with elevated levels of cobalt (as identified and delineated around borings EB-04 and EB-05). The remedial excavations along the NYPA waterfront extended to about one foot below the observed water table from about el. -1 NAVD88 to el. -4 (from about 2 to 12 feet bgs).Groundwater was observed between about el. 0 and el. -3 NAVD88 during remedial excavations along the NYPA waterfront.
- Excavation and disposal off-site of approximately 4,494 tons (about 2,996 cubic yards) of non-hazardous petroleum-impacted soil/fill and 1,748 tons (about 1,165 cubic yards) of non-hazardous historic fill.
- Disposal of 13 drums containing non-hazardous petroleum-impacted soil and 6 drums containing spent petroleum socks/absorbent pads from remedial excavation activities
- Removal of 168,599 gallons of petroleum-impacted groundwater locally dewatered from the base of the excavation
- Installation of a new bulkhead cutoff wall with outfall along the western boundary of the site in accordance with the May 2013 IRM Work Plan and April 2016 Addendum. The cutoff wall was constructed of 40-foot-long continuous steel sheet piles with sealed seams and a sheet pile deadman. A continuous concrete cap was placed at the top of the cutoff wall following installation of the sheet piles.
- Collection and analysis of soil samples along the base and sidewalls of the remedial excavation to document contaminant concentrations in soil remaining on-site
- Placement of a demarcation layer consisting of woven geotextile fabric along the base of the remedial excavation to provide a visual reference, where the surface is capped with clean soil. Following placement of the filter fabric demarcation layer at the base of the remedial excavation, ¾-inch virgin crushed stone was used as backfill to bring the

remedial excavation from below the water table to about one foot above the water table (minimum 2-foot-thick layer of ¾-inch stone). The filter fabric was wrapped around the ¾-inch stone to prevent future wash-out.

- Placement of cap treatments including Lime Item #4 quarry stone aggregate and/or clean topsoil meeting the soil quality requirements in Part 375-6.7(d)(ii)(b) (i.e., lower of PG SCOs or RUR SCOs) at development grades in the eastern and southern region of the IRM WP work area (west of the NYPA fence line). Final cap placement will be addressed as part of the final site remedy.
- Restoration and/or replacement of chain-link security fencing to encompass the western region of the NYPA site.

3.1 Contractors and Consultants

The Volunteer contracted with S2 Construction, LLC (S2 Construction) to act as the Construction Manager. Langan was retained as the Remedial Engineer (RE) and engineering consultant. Jason Hayes, P.E., of Langan, was the RE of record and has certified this CCR. The Construction Manager selected Soil Solutions and Brookside Environmental Inc. (Brookside) to implement the remedial activities at the Site. Soil Solutions, Inc. (Soil Solutions) was retained to complete the remedial excavation and off-site disposal of contaminated materials and install the bulkhead cutoff wall. Brookside coordinated removal of petroleum-contaminated liquids dewatered during bulkhead construction.

3.2 Site Preparation and Site Security

Site preparation included the establishment of work zones, addition of support facilities, construction of decontamination facilities (including a truck wash in the northwest corner of the IRM work area), and implementation of site security measures (i.e., maintaining security/privacy fencing around the site). In addition to a truck wash, a gravel/ stone site access roadway was constructed along the southern perimeter of Terra Cotta property. Soil erosion and sediment controls measures were installed before, and maintained during, implementation of the IRM WP and Addendum.

Perimeter security fencing and access gates with locks were installed at the boundary of the site to prevent access by unauthorized persons. Security cameras were installed at the boundary of the Terra Cotta site to monitor individuals entering and exiting the work zone at the NYPA site and to deter access by unauthorized persons.

3.3 Waste Characterization

3.3.1 Preliminary Waste Characterization

Langan performed a preliminary waste characterization along the NYPA waterfront in February/March 2018 to provide data to assist the excavation contractor in obtaining off-site receiving facility pre-approvals for soil disposal. The waste characterization is summarized in section 2.4.2.

3.3.2 Supplemental Waste Characterization

Non-hazardous cobalt-impacted material was identified in soil samples collected during the March 2018 preliminary waste characterization at concentrations above Pennsylvania (PA) Clean Fill criteria (applicable per the proposed disposal facility location). This finding prompted the identification of a disposal facility that both was permitted to accept the non-hazardous cobalt-impacted material and was listed on the *SD-53-02 Appendix E: Approved Waste Handling Facilities* provided by NYPA.

On October 18, 2018, the contractor performed a supplemental waste characterization along the NYPA waterfront. Langan collected additional waste characterization soil samples from two test pits excavated in the central-west region of the NYPA site. The test pits measured about 10-feet-long by 10-feet-wide by 10.5-feet-deep. Three 5-point composite soil samples (including one duplicate sample) were collected and analyzed from the test pits to delineate the horizontal and vertical extents of elevated non-hazardous cobalt concentrations identified during preliminary waste characterization investigation. The samples were submitted to Alpha and analyzed for total cobalt. Based on the results received from the laboratory, the non-hazardous cobalt-impacted area of the NYPA waterfront was delineated to a roughly 70-foot by 40-foot area in the central-west region of the site, up to about 10.5 feet deep based on the soil sample results. Overall excavations in the central-west region of the site ranged from about el. -1 to el. -4 NAVD88, corresponding to depths of about 1 to 11.5 feet bgs. The Conestoga Landfill in Morgantown, PA approved the disposal of the non-hazardous cobalt-impacted soil (in addition to petroleum-impacted soil).

Copies of the analytical laboratory results provided by Alpha from the supplemental waste characterization sampling are included in Appendix D.

3.4 Bulkhead Cutoff Wall

The interim remedy for the site included installation of a new bulkhead cutoff wall along the western property boundary as described in the NYSDEC-approved May 20, 2013 IRM WP and its April 18, 2016 Addendum. The objective of installing the cutoff wall was to prevent potential migration of petroleum impacts from the site into the East River. In addition, the cutoff wall allowed for the excavation and off-site disposal of petroleum-impacted soil landward of the cutoff

wall to the deadman by holding back the East River. The cutoff wall was installed along the NYPA waterfront at a location determined in coordination with NYSDEC. The cutoff wall was constructed of 40-foot-long steel sheet piles with sealed seams and a sheet pile deadman. Steel tie rods measuring about 40 feet in length connected the bulkhead steel sheet piles to the inland deadman structure. A structural concrete cap was placed at the top of the cutoff wall following installation of the sheet piles.

Subsurface obstructions were encountered during sheet pile installation in the northern and central regions of the bulkhead alignment between October 10 and October 24, 2018. Soil Solutions drove spud piles using a vibratory hammer to break through the obstructions. A non-conformance report (NCR) was issued on October 15, 2018 to address sheet piles No. 45 and 51 that were unable to be driven to their design elevation of el. -32 NAVD88 due to obstructions. Sheet pile No. 45 was driven to about el. -30.4 NAVD88, and sheet pile No. 51 was driven to about el. -29.3 NAVD88. The final depths of these sheet piles ranged from 37.3 to 38.4 feet below grade and more than 17 feet below the observed petroleum impacts. The final depths of the sheet piles were determined adequate to prevent upland contamination from migrating into the East River. Copies of the approved bulkhead design drawings are provided in Appendix A, beginning on page 7,893 of the appendix.

A bulkhead as-build survey was performed by Soil Solutions on November 7, 2019 to document final post-IRM conditions. Soil Solutions surveyed site features, including but not limited to existing surface grades, spot elevations, property line fencing, and bulkhead features. A copy of the as-build survey prepared by Soil Solutions is provided in Appendix F. Langan prepared a letter confirming the as-built documentation for bulkhead construction at the Silvercup West – NYPA site is consistent with the design and what Langan observed during construction of the new bulkhead. A copy of the Professional Engineer (PE)-signed and sealed letter prepared by Langan and dated August 18, 2020 is also provided in Appendix F. Daily engineering reports documenting the construction of the bulkhead cutoff wall are provided as Appendix E. Additional details are provided in the PE-signed and sealed bulkhead design drawings are provided in Appendix A.

3.5 Soil Management

Excavations associated with bulkhead construction and installation were conducted using conventional hydraulic excavators (CAT345C and CAT 320E excavators) and hand tools. Material backfilling and compaction was conducted using CAT345C and CAT 320E excavators, a jumping jack compactor, and a Wacker Neuson RTSC3 Roller. Contaminated soil/fill was excavated to about el -1 to el. -4 NAVD88 (about one foot below the observed water table) to support remediation and bulkhead construction. Remedial excavation areas throughout the NYPA waterfront are presented on Figure 3. Soil disposal facility documentation is provided in Appendix C.

3.5.1 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.

3.5.2 Soil Stockpiles

As needed, 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. Stockpiles were covered with minimum 6-mil plastic sheeting or tarps at the end of each day, which were securely anchored to the ground.

3.5.3 *Load Out, Transport and Off-Site Disposal Plan*

A summary of the quantities of waste removed from the NYPA site as part of IRM WP implementation is provided in Section 3.8 and in Table 1. Non-hazardous petroleum-contaminated material, non-hazardous cobalt-impacted material, and non-hazardous historic fill were encountered during construction. All non-hazardous material was handled, transported and disposed of in accordance with applicable Part 360 regulations and other applicable local, state and federal regulations. The waste removal contractor provided the permits, certifications, and written commitments from disposal facilities to accept the material.

Non-hazardous petroleum-contaminated material, non-hazardous cobalt-impacted material and non-hazardous historic fill was transported by waste removal contractors who possessed a valid New York State Part 364 Waste Transporter Permit, where applicable. Non-hazardous waste manifests were used to track the waste and confirm disposal.

Prior to transporting material off-site, Langan reviewed the contractor's proposed disposal facilities to document that the facilities were permitted to accept the material. Non-hazardous contaminated soil was disposed at facilities licensed to handle this material. Commitment letters were supplied on the facility's letterhead, 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: Conestoga Landfill of Morgantown, PA (Conestoga) and Clean Earth of Southeast Pennsylvania, in Morrisville, PA (CESPA).

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

3.6 Dewatering and Fluids Management

To support excavation and installation of bulkhead components (i.e., the outfall), groundwater and accumulated precipitation was locally dewatered using a diesel-powered submersible pump and fluids were containerized prior to disposal off-site at Tradebe Treatment and Recycling Northeast, LLC located in Meriden, CT. Dewatered fluids were containerized into 5,000-gallon and 3,000-gallon frac tanks staged in the southwest portion of the Terra Cotta site. Brookside transported the containerized fluids to Tradebe by transferring the frac tank contents into vacuum trucks. Between December 27, 2018 and March 26, 2019, about 168,599 gallons of non-hazardous petroleum-impacted liquid locally dewatered from the remedial excavation were transported off-site by Brookside. Non-hazardous waste manifests were used to track the waste and confirm disposal. Groundwater disposal documentation is provided in Appendix G and includes the facility approval documentation and groundwater sampling results. The countersigned manifests are included in Appendix H.

3.7 Community Air Monitoring Program

Langan performed continuous community air monitoring at two locations during ground-intrusive activities and handling of impacted soil, except in instances of inclement weather. Air monitoring enclosures contained TSI Model 8530 DustTRAKs to monitor for particulates and MiniRAE 3000 PIDs to monitor for VOCs, each equipped with audible alarms to indicate concentrations above pre-established action levels. Real-time air monitoring was conducted to measure levels of airborne particulate matter with particle size smaller than 10 microns in diameter (PM10) and VOCs. Langan field staff also assessed possible fugitive dust (using visual means) and odor migration (using olfactory means) at the perimeter of the site.

Air monitoring data was compared to 15-minute time-weighted action levels of 150 micrograms per cubic meter ($\mu g/m^3$) for PM10 and 5 ppm for VOCs. Langan reported all elevated PM10 and VOC concentrations and instances of fugitive dust and odor migration to the contractor, and advised on-site personnel to pause work activity or use dust and/or odor suppression techniques to mitigate the issue. In cases where PM10 and/or VOC levels were not successfully mitigated, work was stopped and further engineering controls were instituted until concentrations had fallen below their respective action levels.

Field personnel observed ambient air conditions to check for visible dust emissions and/or odors; if observed or perceived, mitigation measures were implemented. Preventative measures for dust generation included wetting fill and soil, construction of an engineered construction entrance with gravel pad, 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 source area, and direct load-out of soils to trucks for off-site disposal.

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 Community Air Monitoring Program (CAMP). Exceedances of the action levels established in the CAMP were documented in 12 of the 199 days during construction activities on the site. Exceedances were due to moisture trapped within the filters of the CAMP equipment; no fugitive dust or odors were observed migrating off-site during construction. Issues were identified and resolved in the field. Community air monitoring data is included as Appendix I. Daily field reports documenting IRM implementation and CAMP results are included as Appendix E.

3.8 Excavated Materials Removal

Implementation of the IRM WP and Addendum included the removal of: 1) petroleum-impacted media to one foot below the observed water table; 2) non-hazardous cobalt-impacted soil/ fill; 3) historic fill; and 4) drums containing petroleum-impacted soil and spent petroleum socks/absorbent pads from remedial excavation activities.

Pre-clearing activities in preparation of IRM implementation, including removal of overgrown vegetation, debris, rebar, and concrete blocks observed along the waterfront, were performed between June 25 and July 13, 2018.

Historic fill, native soil, and petroleum-impacted material were removed to depths between about 2 and 12 feet bgs as part of remedial excavation. When the target excavation depth was reached, documentation samples were collected from the excavation base (discussed in Section 3.9). After completion of remedial excavations and collection of documentation samples, the excavation area was filled with ¾-inch virgin crushed stone wrapped in geotextile fabric to about one foot above the water table (minimum 2-foot-thick layer of ¾-inch stone). The filter fabric was wrapped around the ¾-inch stone to prevent future wash-out, and the excavation area was backfilled with imported material. A layer of imported Lime Item #4 structural fill was backfilled along the IRM WP area (western portion of the site) to final grade. Table 1 details the quantities of material removed from the site. Waste disposal manifests and weight tickets are included in Appendix H. Langan monitored soil excavation at the site between July 11, 2018 and April 8, 2019.

3.8.1 Non-Hazardous Petroleum Impacted Soil/ Fill

Grossly contaminated material was identified in the northwest and central-west region of the NYPA waterfront along the East River. Vertically, the excavations ranged in depth from about 2 to 12 feet bgs. During implementation of the remedy, grossly contaminated material was excavated to one foot below the observed water table, extending to about el -1 to el -4 NAVD88. Material was removed to the extent practical so as not to undermine the stability of the adjacent

properties and structures. 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. About 4,494 tons (about 2,996 cubic yards) of non-hazardous petroleum-impacted soil/fill was excavated from the NYPA waterfront and disposed of off-site in accordance with the NYSDEC-approved IRM WP and Addendum.

3.8.2 Non-Hazardous Historic Fill

Although non-impacted soil/fill was approved for reuse on-site per the IRM WP, the excavated material (fill including large concrete debris, bricks, timbers, abandoned well materials, metal tiebacks, boulders and wood debris) failed to meet geotechnical requirements for compaction as backfill between the new deadman and sheet pile bulkhead. Therefore, the non-impacted fill and miscellaneous debris excavated above the water table within the remedial excavation was unable to be reused on-site as originally anticipated. About 1,748 tons (about 1,165 cubic yards) of historic fill was excavated from the NYPA waterfront and disposed of off-site in accordance with the NYSDEC-approved IRM WP and Addendum.

3.8.3 Non-Hazardous Cobalt-Impacted Soil

Non-hazardous cobalt-impacted material was identified in soil samples collected during the March 2018 preliminary waste characterization at concentrations above PA Clean Fill criteria. The cobalt-impacted area was further delineated to an about 70-foot by 40-foot area in the central-west region of the site (between about 100 and 170 feet south of the Terra Cotta property line) to about 10.5 feet deep based on the soil sample results. Overall excavations in the central-west region of the site ranged from about el. -1 to el. -4 NAVD88, corresponding to depths of about 1 to 11.5 feet bgs. The total amount of non-hazardous cobalt-impacted material is shown in Table 1, and is included in the total disposal quantities above. The non-hazardous soil/fill was approved for disposal at the Conestoga Landfill in Morgantown, PA under the same approval code as the petroleum-impacted and historic fill/ overburden material disposed of off-site.

When excavation was completed in an area, documentation samples were collected from the excavation base throughout the NYPA waterfront (discussed in Section 3.9). Figure 3 shows the documentation sample location plan.

3.8.4 Total Quantities Removed

About 4,494 tons out of about 6,242 total tons excavated and disposed of off-site included petroleum-impacted soil/fill and/or non-hazardous cobalt-impacted material. About 1,748 tons out of about 6,242 total tons excavated and disposed of off-site included soil/fill free of petroleum impacts (overburden) and/or non-hazardous cobalt-impacted material.

A soil disposal log is provided in Table 1. Waste disposal documentation and facility-countersigned manifests/weight tickets are provided in Appendices C and H, respectively.

The extent of the excavated area is shown on Figure 3. A waste disposal summary is provided in the following table:

Disposal Facility	Material Type	Total Truckloads	Total Tons (Rounded)
Conestoga Landfill Morgantown, PA	Petroleum / Cobalt Metal Impacted Non-Hazardous Soil/Fill	146	3,396
Clean Earth of Southeast Pennsylvania Morrisville, PA	Petroleum Impacted Non-Hazardous Soil/Fill	128	2,846
	TOTAL	**274**	**6,242**

3.8.5 Non-Impacted Concrete Disposal

During excavations along the NYPA waterfront associated with bulkhead installation, non-impacted concrete from existing structures and/or demolition debris was excavated and stockpiled for off-site disposal. Nineteen loads (about 515 tons) of non-impacted concrete were disposed off-site to Evergreen Recycling of Corona Inc. in Flushing, New York (a NYSDEC Part-360 Registered facility). Concrete disposal manifests are included in Appendix H.

Disposal Facility	Material Type	Total Truckloads	Total Tons (Approximate)
Evergreen Recycling of Corona, Inc. Flushing, NY	Non-Impacted Concrete	19	515

3.8.6 Drum Disposal

During excavations along the NYPA waterfront associated with bulkhead installation, excess petroleum-impacted soil that could not be reused and backfilled within the IRM WP area was transferred into NYCDOT-approved 55-gallon drums for off-site disposal. Thirteen drums containing petroleum impacted non-hazardous soil material and six drums containing spent petroleum socks/absorbent pads from remedial excavation activities were transported off-site to the Conestoga Landfill facility in Morgantown, Pennsylvania on May 24, 2019. Drum disposal documentation is provided in Appendix J and includes facility documentation and copies of countersigned manifests.

3.9 Documentation Soil Sampling

Per NYSDEC DER-10 guidance, and in accordance with the IRM WP and Addendum, documentation soil samples were collected at a frequency of one base excavation sample for every 900 square feet and one sidewall excavation sample for every 30 feet of sidewall. Based on these criteria, 13 base and 10 sidewall documentation samples plus the required QA/QC

samples, were collected. Langan collected documentation soil samples as the excavation for bulkhead installation proceeded. Each soil sample location was screened for evidence of petroleum impacts based on visual, olfactory, and instrumental readings as measured with a handheld PID. Soil samples were collected into laboratory-supplied containers and delivered, via courier, to Alpha in Westborough, MA under standard chain-of-custody protocol. Laboratory analytical reports are provided in Appendix K.

The documentation soil samples were collected and analyzed for NYSDEC Final Commissioner Policy (CP-51) Table 3 VOCs and SVOCs. Sample results were compared to NYSDEC CP-51 SCOs. Data Usability Summary Reports (DUSRs) 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.

A sample summary of the documentation soil samples is provided in Table 2. The documentation sampling locations are shown on Figure 3.

3.9.1 Documentation Sampling Results

The following constituents were detected in soil from post-remedy documentation samples at concentrations that exceed CP-51 SCOs:

- SVOCs: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-c,d)pyrene.

Documentation sample results are provided in Table 3 and on Figure 4, and laboratory analytical reports are provided in Appendix K.

Exposure to remaining soil contamination is prevented by limiting access to the western region of the NYPA site via secured chain-link fencing and cover treatments, consisting of a combination of gravel/stone, and/or clean imported material meeting the soil quality requirements in Part 375-6.7(d)(ii)(b) (i.e., lower of PG SCOs or RUR SCOs). In addition, within remedial excavations, a physical demarcation layer was placed along the base of the remedial excavation and wrapped around a minimum of two feet of ¾-inch crushed virgin stone backfilled to one foot above the water table. Capping or removal of residual contaminated material will be addressed as part of the final site remedy, as applicable.

3.10 Imported Material

Backfill was imported to the site in accordance with the IRM WP between September 7, 2018, and April 5, 2019. Imported backfill consisted of: clean topsoil meeting the soil quality requirements in Part 375-6.7(d)(ii)(b) (i.e., lower of PG SCOs or RUR SCOs), ¾-inch virgin quarry stone, Lime Item #4 quarry stone aggregate, 14-inch virgin rip rap stone, ASTM #2 2½-inch virgin quarry stone, and 3/8-inch virgin quarry stone. Prior to import, Langan reviewed material

documentation, including facility approval letters, sieve profile analyses and facility permit information. Upon delivery to the site, imported material was screened by Langan field personnel and was determined to be acceptable for use as backfill based on visual, olfactory, and instrumental (i.e., PID) observations.

A total of 9,186.98 tons of backfill were imported to the site as follows:

- 2,892.15 tons of ASTM #57 (3/4-inch) were imported from the Lafarge-Ravena Quarry via the New York Sand & Stone facility in Brooklyn, NY.
- 5,443.75 tons of Lime Item #4 quarry stone aggregate were imported from the Colarusso Quarry via the New York Sand & Stone facility in Brooklyn, NY.
- 75.52 tons of Lite Stone Fill (4-14 inches) were imported from the Hamburg Quarry via the Eastern Concrete Materials, Inc. facility in Hamburg, NJ.
- 51.54 tons of ASTM #2 (2½-inch) were imported from the Hamburg Quarry via Eastern Concrete Materials, Inc. facility in Hamburg, NJ.
- 268.76 tons of topsoil were imported from Impact Reuse and Recovery Center (IRRC) in Long Island City, NY.
- 455.26 tons of Lime ASTM #8 (3/8-inch) were imported from Martin Marietta-Nova Scotia Quarry via the Eastern Concrete Materials, Inc. facility in Hamburg, NJ.

The new rip rap apron for the outfall constructed at the new bulkhead includes 2½-inch virgin quarry stone and 14-inch virgin rip rap stone. For construction of the truck wash pad situated in the northwest region of the site, 2½-inch virgin quarry stone was imported and backfilled above geotextile fabric and polyethylene sheeting. In areas where excavation occurred below the water table, the excavation was filled with ¾-inch virgin crushed stone wrapped in geotextile fabric to about one foot above the water table (minimum 2-foot-thick layer of ¾-inch stone). The filter fabric was wrapped around the ¾-inch stone to prevent future wash-out, and the excavation was backfilled with Lime Item #4 quarry stone aggregate to grade.

Clean topsoil was imported to the site and backfilled along the southern and eastern slopes of the IRM work area, as part of the stabilized slope. The imported topsoil material meets the soil quality requirements in Part 375-6.7(d)(ii)(b) (i.e., lower of PG SCOs or RUR SCOs). Grass seed was placed in areas where clean topsoil was imported and backfilled along the NYPA waterfront.

A tabulated summary of the import facilities, material types, number of loads, and material quantities is provided in Table 4. Backfill location areas are shown on Figure 5. Backfill documentation including facility records, sieve analyses, and analytical results (topsoil), and scale tickets for imported material are provided in Appendix M. Photographs of the IRM WP implementation and cover treatments conditions are shown in Appendix N.

4.0 DEVIATIONS FROM THE IRM WORK PLAN

The following section summarizes deviations from the NYSDEC-approved May 2013 IRM WP and April 18, 2016 IRM WP Addendum.

1. A NCR was issued on October 15, 2018 to address sheet piles No. 45 and 51 that were unable to be driven to their design elevation of el. -32 NAVD88 due to obstructions:
    a. Sheet Pile No. 45 was driven to about el. -30.4 NAVD88.
    b. Sheet Pile No. 51 was driven to about el. -29.3 NAVD88.
    c. The final depths of these sheet piles ranged from 37.3 to 38.4 feet below grade and more than 17 feet below the observed petroleum impacts. The final depths of the sheet piles were determined adequate to prevent upland contamination from migrating into the East River.
    d. No further action was required and the NCR was closed on October 24, 2018.
2. A second NCR was issued on January 9, 2019 to address an unapproved concrete mix that was used to pour the cast-in-place bulkhead cap in the southwest portion of the site and the headwall of the stormwater outfall.
    a. The concrete mix used was of the same strength as the approved concrete mix (5,000 psi), but did not have additives for air entrainment and corrosion protection, and used a larger coarse aggregate. Field-measured air entrainment ranged from 1.5 to 2.5%. Required air entrainment was 6%±1.5% per the design drawings.
    b. The headwall is a structural element exposed to direct contact with saltwater on a daily basis. The portion of the headwall in front of the sheet pile bulkhead (waterward side) was demolished and replaced. The portion of the headwall behind the sheet pile bulkhead (landward side) was encapsulated with at least 6-inches of cast-in-place reinforced concrete (using the approved concrete design mix).
    c. The following corrective actions were implemented:
        i. Soil Solutions collected four concrete cylinder samples from the southern portion of the cast-in-place concrete cap. The samples were submitted to Long Island Analytical Laboratories, Inc. and analyzed for freeze / thaw parameters. The freeze-thaw durability testing was performed on four cores in accordance with New York State Department of Transportation (NYSDOT) Test Method 502-3P (two cores in 10% NaCl solution; two cores in 3% NaCl solution).

ii. Based on the results of freeze-thaw durability testing, the concrete mix used for the southern portion of the concrete cap met the concrete design mix requirements for freeze-thaw durability (Exposure Class F1, per May 27, 2016 Construction Drawings prepared by Langan).

iii. Between October 17, 2019 and October 24, 2019, Soil Solutions performed the following corrective measures:

1. Soil Solutions repaired the concrete core holes within the bulkhead with NS Grout in accordance with the manufacturer's requirements.
2. A finite amount of honeycombing was observed along the concrete bulkhead cap. Locations where honeycombing was observed were mechanically abraded and cleaned. Speed Crete Red Line was applied to these locations to repair these conditions.
3. Soil Solutions also power-washed the concrete surface of the bulkhead cap.
4. Following repair of the concrete core holes and honeycombing, and power-washing, the concrete cap was sealed with two coats of Siloxa-Tek® 8500 sealing agent in accordance with the manufacturer's specifications.

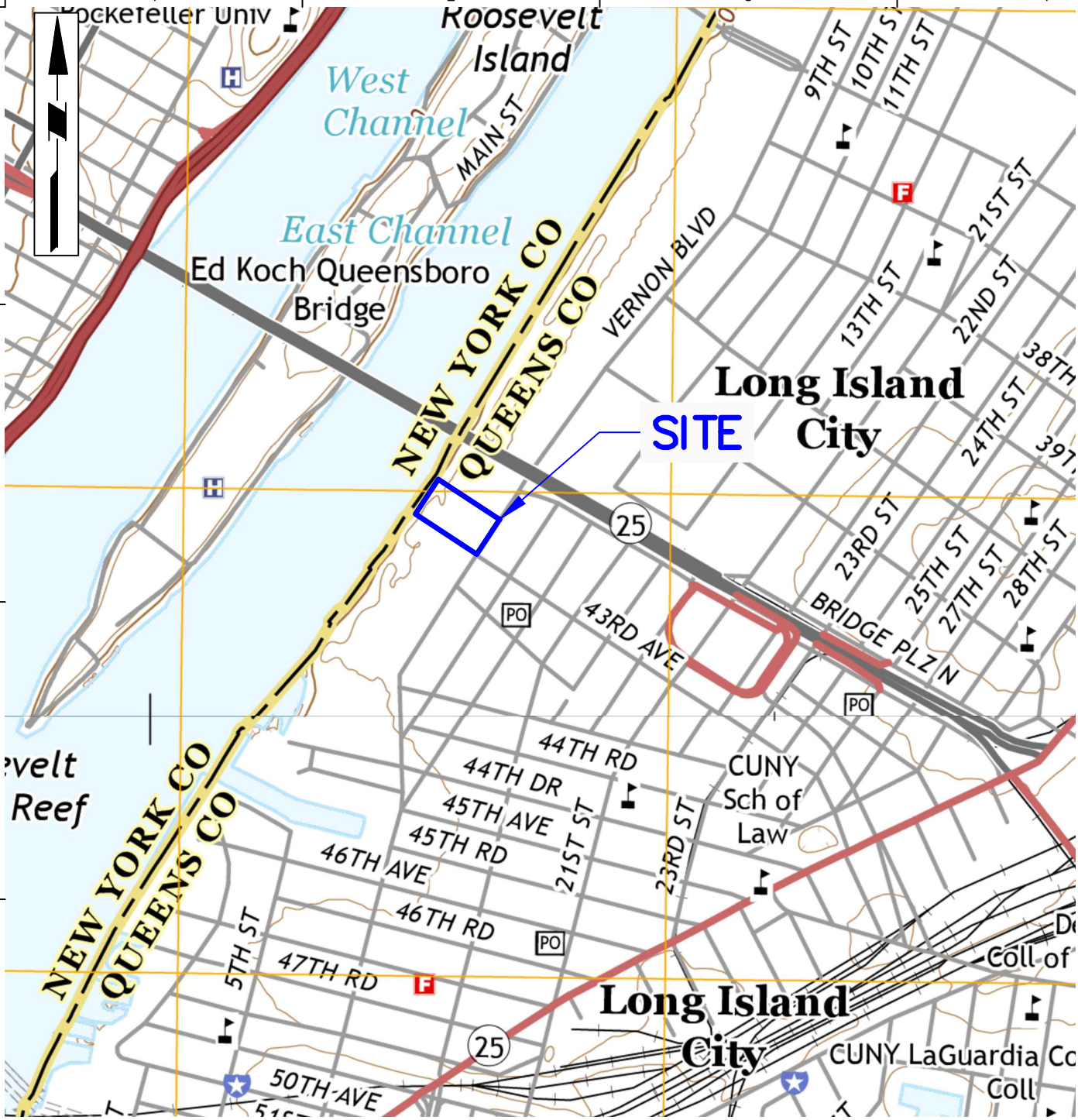
d. The non-conformance associated with the southern NYPA bulkhead was closed in October 2019, following completion of the abovementioned corrective measures. Documentation referenced in the NCR closure, including the concrete testing results and Langan review response, is provided in Appendix O.

5.0 LIMITATIONS

This CCR was prepared expressly for Terra Cotta, LLC to document on-site remedial activities associated with the ongoing redevelopment of the property located at 42-22 to 42-48 Vernon Boulevard, Long Island City, New York and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific site addressed in this report, or by any third party without specific written authorization from Langan.

This document can be used by Terra Cotta, LLC as an account of the remedial action as it related to redevelopment of the subject site, and should not be used by any outside entity to aid in nearby development.

FIGURES



LEGEND:

PROPERTY BOUNDARY

NOTES:

1. BASE MAP TAKEN FROM UNITED STATES GEOLOGICAL SURVEY 7.5-MINUTE SERIES CENTRAL PARK AND BROOKLYN QUADRANGLE, DATED NOVEMBER 2016.
2. SITE BOUNDARY IS APPROXIMATE.

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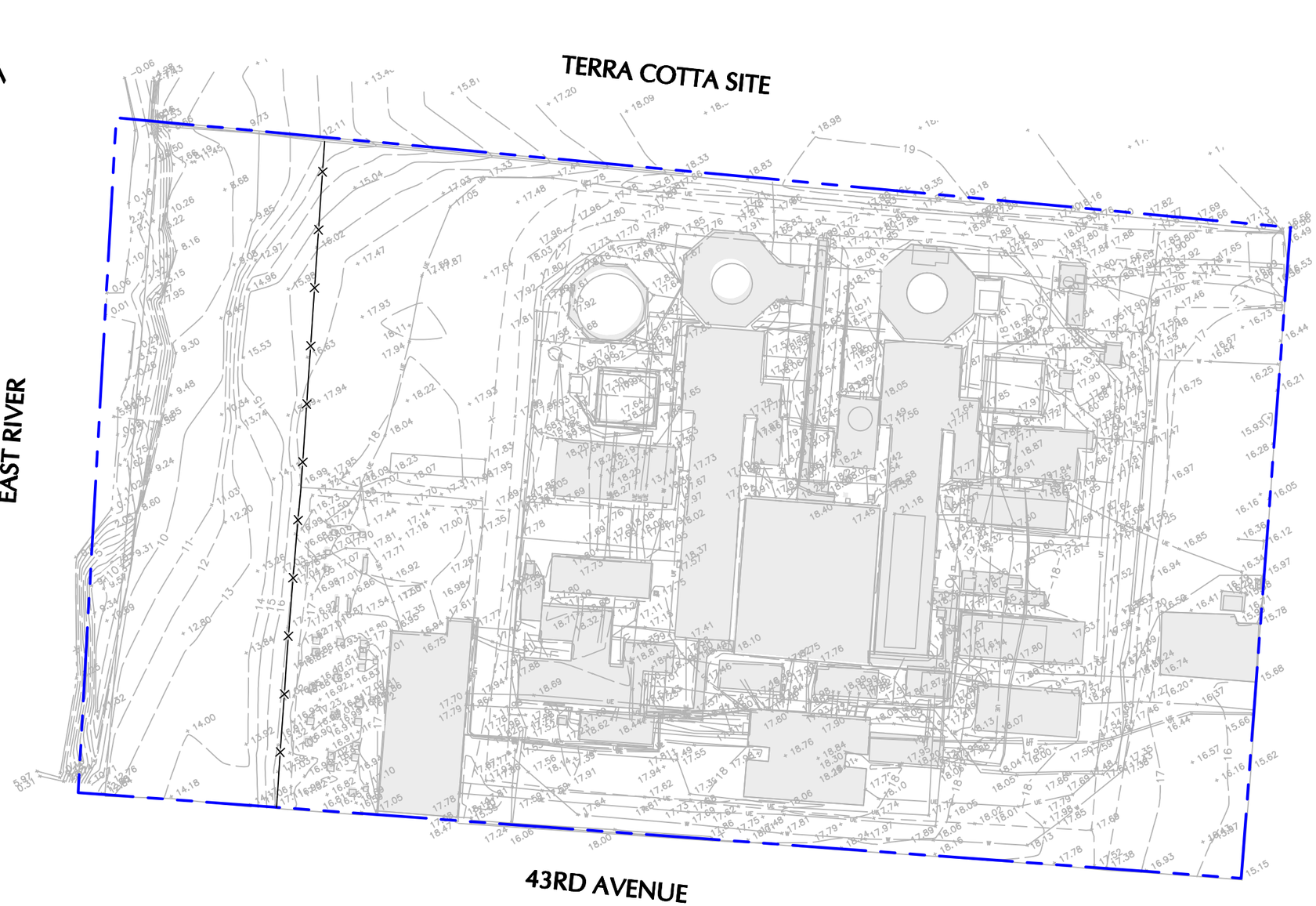
Project	SILVERCUP WEST NYPA BLOCK No. 477, LOT No. 24 QUEENS NEW YORK
Figure Title	SITE LOCATION MAP
Project No.	005635008
Date	01/10/2020
Drawn By	NEK
Checked By	ELS
Figure No.	1
Sheet	1 of 5

Filename: C:\Users\gfrizzi\appdata\local\temp\AcPublish_2764\Figure 1 - Site Location Map_01.06.2020.dwg Date: 1/6/2020 Time: 17:00 User: ######## Style Table: Langan.stb Layout: ########



LEGEND:

SILVERCUP WEST NEW YORK POWER AUTHORITY (NYPA) SITE BOUNDARY

NYPA FENCE

NOTES:

1. SURVEY TAKEN FROM 'TOPOGRAPHICAL SURVEY OF VERNON SUBSTATION' MARCH 26, 2015, PREPARED BY C.T. MALE ASSOCIATES.
2. ELEVATIONS SHOWN ON SURVEY REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND REPRESENT PRE-REMEDIATION CONDITIONS.

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Project
SILVERCUP WEST NYPA
BLOCK No. 477, LOT No. 24
QUEENS NEW YORK

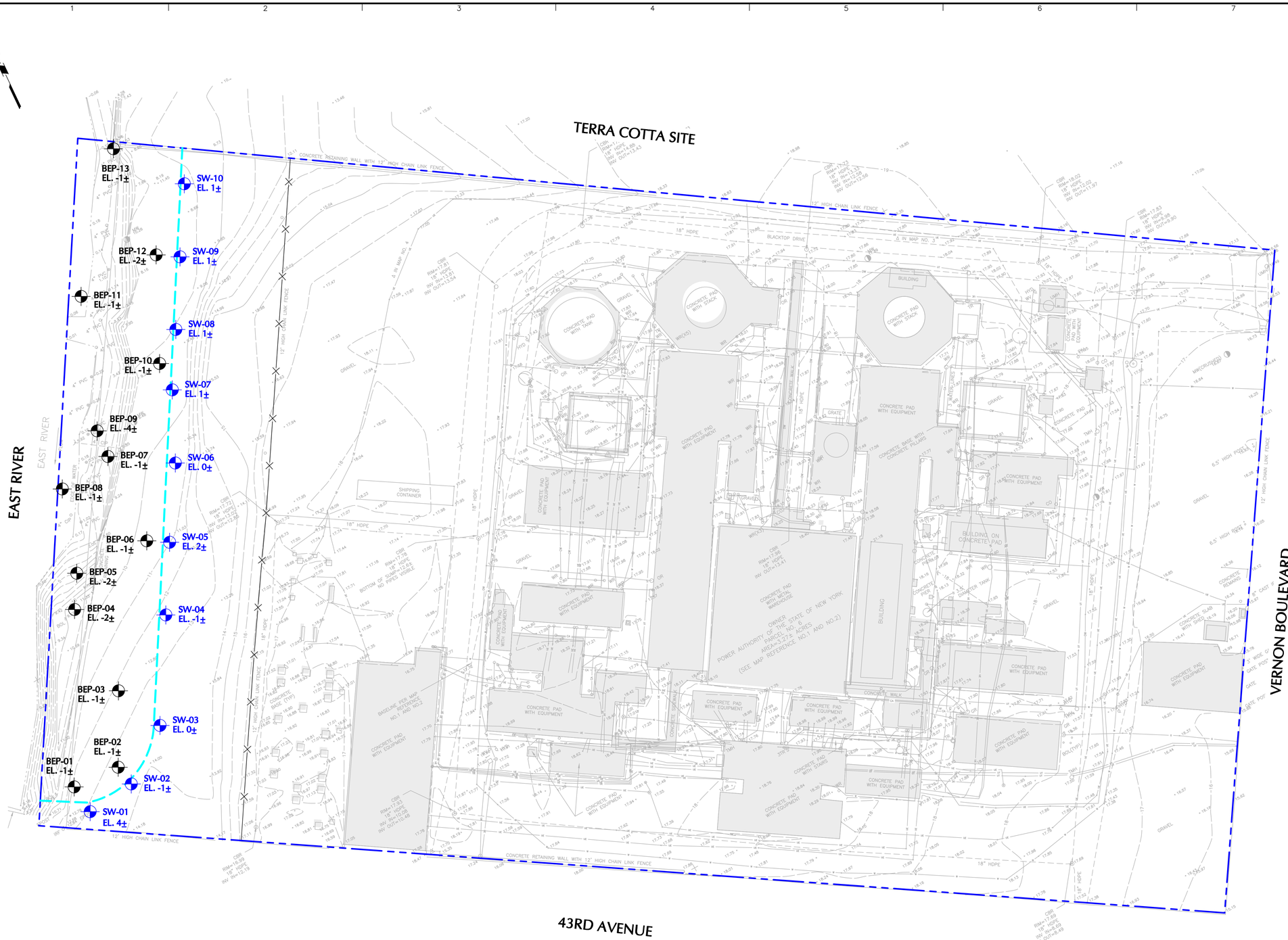
Figure Title
SITE PLAN

Project No.	005635008
Date	01/10/2020
Drawn By	NEK
Checked By	ELS

Figure No. 2

Sheet 2 of 5

Filename: \\langan.com\data\NYC\data0\005635008\Project Data\CAD\08\SheetFiles\Environmental\FER\Figure 2 - Site Layout Plan_01.06.2020.dwg Date: 4/23/2020 Time: 13:00 User: nkung Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

- SILVERCUP WEST NEW YORK POWER AUTHORITY (NYPA) SITE BOUNDARY
- NYPA FENCE
- APPROXIMATE REMEDIAL EXCAVATION EXTENT
- BEP-01 BOTTOM DOCUMENTATION SOIL SAMPLE LOCATION
- SW-01 SIDEWALL DOCUMENTATION SOIL SAMPLE LOCATION

NOTES:

1. SURVEY TAKEN FROM 'TOPOGRAPHICAL SURVEY OF VERNON SUBSTATION' MARCH 26, 2015, PREPARED BY C.T. MALE ASSOCIATES.
2. ELEVATIONS SHOWN ON SURVEY REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND REPRESENT PRE-REMEDIATION CONDITIONS.
3. DOCUMENTATION SAMPLE LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.
4. ALL SPOT ELEVATIONS REPRESENT THE EXCAVATION EXTENT REACHED DURING REMEDIATION ACTIVITIES UNDER THE NYSDEC-APPROVED MAY 20, 2013 INTERIM REMEDIAL MEASURE (IRM) WORK PLAN AND ITS APRIL 18, 2016 ADDENDUM.
5. ALL SPOT ELEVATIONS ARE APPROXIMATE AND ARE BASED ON FIELD MEASUREMENTS.

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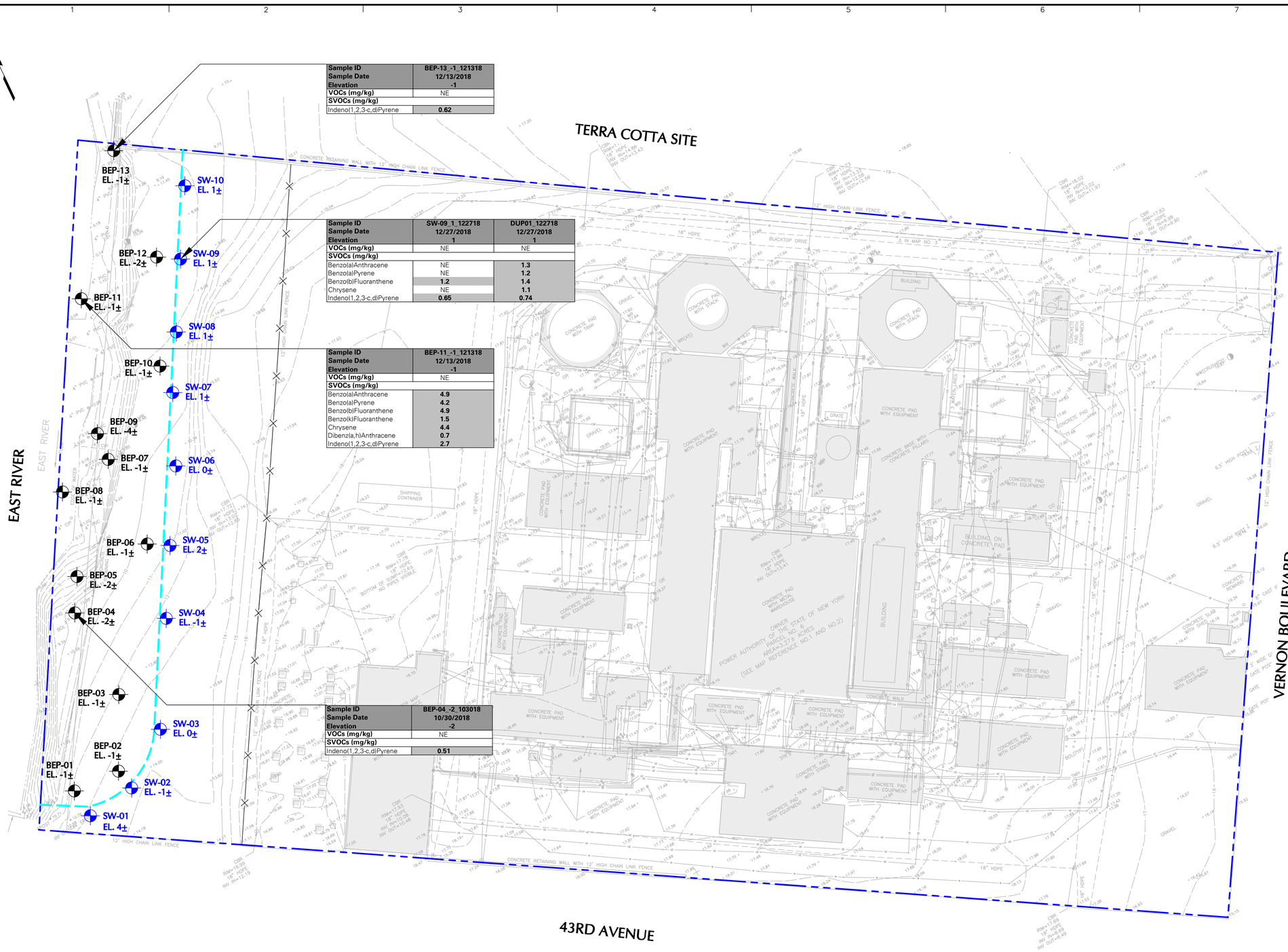
Figure Title
EXCAVATION AND DOCUMENTATION SOIL SAMPLE LOCATION PLAN

Project No.	Figure No.
005635008	3
Date: 01/10/2020	
Drawn By: NEK	
Checked By: ELS	Sheet 3 of 5

Filename: \\langan.com\data\NYC\data0\005635008\Project Data\CADD\8\Sheet Files\Environmental\FER\Figure 3 - Excavation and Documentation Soil Sample Location Plan_01.06.2020.dwg Date: 3/13/2020 Time: 11:47 User: nkung Style Table: Langan.stb Layout: ARCHD-BL



Sample ID	BEP-13_-1_121318
Sample Date	12/13/2018
Elevation	-1
VOCs (mg/kg)	NE
SVOCs (mg/kg)	
Indeno(1,2,3-c,d)Pyrene	**0.62**

Sample ID	SW-09_1_122718	DUP01_122718
Sample Date	12/27/2018	12/27/2018
Elevation	1	1
VOCs (mg/kg)	NE	NE
SVOCs (mg/kg)		
Benzo(a)Anthracene	NE	**1.3**
Benzo(a)Pyrene	NE	**1.2**
Benzo(b)Fluoranthene	**1.2**	**1.4**
Chrysene	NE	**1.1**
Indeno(1,2,3-c,d)Pyrene	**0.65**	**0.74**

Sample ID	BEP-11_-1_121318
Sample Date	12/13/2018
Elevation	-1
VOCs (mg/kg)	NE
SVOCs (mg/kg)	
Benzo(a)Anthracene	**4.9**
Benzo(a)Pyrene	**4.2**
Benzo(b)Fluoranthene	**4.9**
Benzo(k)Fluoranthene	**1.5**
Chrysene	**4.4**
Dibenz(a,h)Anthracene	**0.7**
Indeno(1,2,3-c,d)Pyrene	**2.7**

Sample ID	BEP-04_-2_103018
Sample Date	10/30/2018
Elevation	-2
VOCs (mg/kg)	NE
SVOCs (mg/kg)	
Indeno(1,2,3-c,d)Pyrene	**0.51**

LEGEND:

- SILVERCUP WEST NEW YORK POWER AUTHORITY (NYPA) SITE BOUNDARY
- NYPA FENCE
- REMEDIAL EXCAVATION EXTENT
- BEP-01 — BOTTOM DOCUMENTATION SOIL SAMPLE LOCATION
- SW-01 — SIDEWALL DOCUMENTATION SOIL SAMPLE LOCATION

NOTES:

1. SURVEY TAKEN FROM 'TOPOGRAPHICAL SURVEY OF VERNON SUBSTATION' MARCH 26, 2015, PREPARED BY C.T. MALE ASSOCIATES.
2. ELEVATIONS SHOWN ON SURVEY REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND REPRESENT PRE-REMEDIATION CONDITIONS.
3. DOCUMENTATION SAMPLE LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.
4. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) COMMISSIONER POLICY 51 (CP+51) SOIL CLEANUP LEVELS (SCL) FOR GASOLINE AND FUEL OIL CONTAMINATED SOILS.
5. ONLY ANALYTICAL RESULTS THAT EXCEED THE SCOs ARE SHOWN.
6. DETECTED ANALYTICAL RESULTS ABOVE NYSDEC CP+51 SCLS FOR GASOLINE AND FUEL OIL CONTAMINATED SOILS ARE BOLDED AND SHADED.
7. SAMPLE DUP01_110618 IS A DUPLICATE SAMPLE OF SW-05_2_110618 AND SAMPLE DUP01_122718 IS A DUPLICATE SAMPLE OF SW-09_1_122718.
8. mg/kg = MILLIGRAMS PER KIOLGRAM
9. bgs = BELOW GRADE SURFACE
10. VOC = VOLATILE ORGANIC COMPOUND
11. SVOC = SEMIVOLATILE ORGANIC COMPOUND

Analyte	NYSDEC CP+51 SCLs for Gasoline and Fuel Oil Contaminated Soils
SVOCs (mg/kg)	
Benzo(a)Anthracene	1
Benzo(a)Pyrene	1
Benzo(b)Fluoranthene	1
Benzo(k)Fluoranthene	0.8
Chrysene	1
Dibenz(a,h)Anthracene	0.33
Indeno(1,2,3-c,d)Pyrene	0.5

SCALE: 1 INCH = 20 FEET

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Project: SILVERCUP WEST NYPA
BLOCK No. 477, LOT No. 24
QUEENS NEW YORK

Figure Title: DOCUMENTATION SOIL SAMPLE LOCATION AND ANALYTICAL RESULTS MAP

Project No. 005635008
Date 01/10/2020
Drawn By NEK
Checked By ELS

Figure No. 4
Sheet 4 of 5

LANGAN PROJECT NO. 005635008

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LEGEND:

- SILVERCUP WEST NEW YORK POWER AUTHORITY (NYPA) SITE BOUNDARY
- NYSDEC-APPROVED QUARRY STONE (LIME ITEM 4)
- TOPSOIL LANDSCAPED AREA (MINIMUM 6 INCHES OF TOPSOIL OVERLAIN BY DOT #6 EROSION CONTROL SEED MIXTURE)
- 3/4-INCH VIRGIN CRUSHED STONE PLACED ABOVE A FILTER FABRIC DEMARCATION LAYER TO BRING THE REMEDIAL EXCAVATION FROM ONE FOOT BELOW THE WATER TABLE TO ONE FOOT OR MORE ABOVE THE WATER TABLE. THE FILTER FABRIC WAS WRAPPED AROUND THE 3/4-INCH STONE TO PREVENT FUTURE WASH-OUT. FOLLOWING THE PLACEMENT OF 3/4-INCH STONE WRAPPED IN FILTER FABRIC, THE REMAINDER OF THE REMEDIAL EXCAVATION WAS BACKFILLED WITH NYSDEC-APPROVED STRUCTURAL FILL (LIME ITEM 4 QUARRY STONE AGGREGATE)
- NYPA FENCE
- APPROXIMATE REMEDIAL EXCAVATION EXTENT

NOTES:

1. SURVEY TAKEN FROM 'TOPOGRAPHICAL SURVEY OF VERNON SUBSTATION' MARCH 26, 2015, PREPARED BY C.T. MALE ASSOCIATES.
2. ELEVATIONS SHOWN ON SURVEY REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND REPRESENT PRE-REMEDIATION CONDITIONS.
3. NYDEC = NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
4. BACKFILL PLACEMENT LOCATIONS ARE APPROXIMATE.
5. A NEW RIP RAP APRON FOR THE OUTFALLS WAS CONSTRUCTED ALONG THE NEW BULKHEAD AND INCLUDED 2 1/2-INCH VIRGIN QUARRY STONE AND 14-INCH VIRGIN RIP RAP STONE.
6. FOR CONSTRUCTION OF THE TRUCK WASH PAD SITUATION IN THE NORTHWEST REGION OF THE SITE, 2 1/2-INCH VIRGIN QUARRY STONE WAS IMPORTED AND BACKFILLED ABOVE GEOTEXTILE FABRIC AND POLYETHYLENE SHEETING. THE TRUCK WASH WAS TEMPORARY DURING CONSTRUCTION AND IS THEREFORE NOT SHOWN ON THE PLAN.

LANGAN

PROJECT NO. 005635008

20 0 5 10 20
SCALE: 1 INCH = 20 FEET

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Project: SILVERCUP WEST NYPA
BLOCK No. 477, LOT No. 24
QUEENS NEW YORK

Figure Title: BACKFILL LOCATION PLAN

Project No.	005635008
Date	01/10/2020
Drawn By	NEK
Checked By	ELS

Figure No. 5
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TABLES

Table 1
Export Material Summary
Construction Completion Report

Silvercup West - NYPA
Long Island City, New York
BCP Site No.: C241109
Langan Project No.: 005635008

LOAD COUNTER	DATE	TRUCKING COMPANY	TRUCK LICENSE PLATE NUMBER	TRUCK No.	MANIFEST NUMBER	MATERIAL APPROVAL NUMBER	MATERIAL TYPE	DISPOSAL FACILITY	COUNTERSIGNED MANIFEST/WEIGHT TICKET NUMBER	AMOUNT DISPOSED OFF-SITE (TON)
2	9/5/2018	CV	AS653U	25	4696218	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163073	24.12
3	9/5/2018	CV	AU293E	19	4696219	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163074	21.31
4	9/5/2018	CV	AU292E	44	4696220	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163075	22.44
5	9/5/2018	CV	AT363K	56	4696221	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163066	21.99
6	9/5/2018	CV	AU291E	99	4696222	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163082	18.84
9	9/6/2018	CV	AS653U	25	4696223	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163356	23.05
10	9/6/2018	CV	AU292E	44	4696224	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163358	23.09
11	9/6/2018	CV	AU293E	19	4696225	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163359	22.72
12	9/6/2018	CV	AU291E	99	4696226	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163394	22.09
13	9/6/2018	CV	AT363K	56	4696227	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163387	24.46
15	9/7/2018	CV	AU293E	19	4696228	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163539	23.34
16	9/7/2018	CV	AU292E	44	4696229	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163540	23.66
17	9/7/2018	CV	AS653U	25	4696230	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163548	24.07
18	9/7/2018	CV	AU291E	99	4696231	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163583	23.19
19	9/7/2018	CV	AT363K	56	4696232	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1163600	24.09
21	9/14/2018	CV	AS653U	25	4696233	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1164722	25.38
22	9/14/2018	CV	AU292E	44	4696234	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1164710	23.41
23	9/14/2018	CV	AU293E	19	4696235	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1164711	21.84
24	9/14/2018	CV	AU291E	99	4696236	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1164721	26.47
25	9/14/2018	CV	AT363K	56	4696237	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1164779	21.30
26	9/14/2018	Serpa Express	AS443X	2	4696238	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1164788	16.97
27	9/14/2018	Serpa Express	AU837N	4	4696239	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1164787	19.36
28	9/19/2018	CV	AS653U	25	4696240	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1165483	23.21
29	9/19/2018	CV	AU293E	19	4696241	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1165484	22.76
30	9/19/2018	Serpa Express	AU837N	4	4696242	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1165495	26.09
31	9/19/2018	Serpa Express	AS443X	2	4696243	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1165493	22.27
32	9/19/2018	CV	AU292E	44	4696244	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1165497	23.97
33	9/19/2018	CV	AT363K	56	4696245	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1165496	22.50
34	9/19/2018	CV	AU291E	99	4696247	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1165508	24.22
35	9/20/2018	CV	AU293E	19	4696248	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1165760	20.39
36	9/20/2018	CV	AU292E	44	4696249	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1165763	21.02
37	9/20/2018	CV	AT363K	56	4696250	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1165765	23.89
38	9/20/2018	CV	AU291E	99	4696251	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1165778	23.07
39	9/20/2018	Serpa Express	AU837N	4	4696252	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1165816	23.46
40	9/21/2018	CV	AU291E	99	4696253	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1166087	22.21
41	9/21/2018	CV	AU292E	44	4696254	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1166076	22.73
49	10/16/2018	Manolos	AU148N	19	4696255	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1171699	22.58
50	10/16/2018	Manolos	AP414M	5	4696256	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1171714	27.85
51	10/16/2018	TEV	AR240E	4	4696257	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1171723	23.00
52	10/16/2018	CV	AT363K	56	4696258	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1171724	20.65
53	10/16/2018	CV	AU292E	44	4696259	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1171729	21.70
54	10/16/2018	TEV	AT941T	3	4696260	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1171730	20.70
55	10/16/2018	CV	AS653U	25	4696261	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1171746	20.64
57	10/18/2018	Manolos	AU148N	19	4696262	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1172336	25.06
58	10/18/2018	Manolos	AR497D	6	4696263	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1172352	26.15
60	10/22/2018	Manolos	AU148N	19	4696264	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173000	26.64
61	10/22/2018	JC Transport	AU111F	37	4696265	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173016	23.02
62	10/22/2018	JC Transport	AT779U	31	4696266	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173019	22.03
63	10/22/2018	JC Transport	AT782U	34	4696267	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173021	22.42
64	10/22/2018	JC Transport	AT778U	30	4696268	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173039	19.24
65	10/22/2018	JC Transport	AT780U	32	4696269	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173037	23.20
66	10/22/2018	JC Transport	AT353D	27	4696270	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173046	21.49
67	10/22/2018	JC Transport	AT384Y	35	4696271	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173047	22.54
68	10/22/2018	JC Transport	AS488S	21	4696272	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173057	21.57
69	10/22/2018	Manolos	AT184B	12	4696273	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173048	23.58
72	10/24/2018	Manolos	AU148N	19	4696274	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173588	28.22
73	10/24/2018	Manolos	AU658H	17	4696275	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173606	22.47
74	10/24/2018	JC Transport	AS401T	23	4696276	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173612	23.03
75	10/24/2018	Manolos	AU440B	16	4696277	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173604	22.49
76	10/24/2018	JC Transport	AS622A	16	4696278	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173619	25.15
77	10/24/2018	JC Transport	AU316D	36	4696279	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173621	21.59
78	10/24/2018	JC Transport	AT781U	33	4696280	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173636	19.90
79	10/24/2018	Manolos	AT250E	13	4696281	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173622	21.87
80	10/24/2018	Manolos	AT914A	11	4696282	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173627	21.89
81	10/24/2018	JC Transport	AS424V	24	4696283	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173646	20.02
82	10/25/2018	Manolos	AS126P	8	4696284	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173854	22.02
83	10/25/2018	Manolos	AP414M	5	4696285	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173866	25.90
84	10/25/2018	JC Transport	AT778U	30	4696286	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173897	21.17
85	10/25/2018	Serpa Express	AS443X	2	4696287	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173888	22.86
86	10/25/2018	JC Transport	AS425V	25	4696288	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173900	23.33
87	10/25/2018	JC Transport	AS121E	18	4696289	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173899	23.23
88	10/25/2018	JC Transport	AT782U	34	4696290	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173916	21.27
89	10/25/2018	JC Transport	AS319F	19	4696291	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173917	20.67
90	10/25/2018	Manolos	AS640N	10	4696292	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173907	21.21
91	10/25/2018	Manolos	AU205L	18	4696293	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1173908	20.67
92	10/30/2018	Manolos	AS126P	8	1780326	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997512	19.78
93	10/30/2018	Serpa Express	AS444X	3	1780327	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997579	22.19
94	10/30/2018	Manolos	AT914A	11	1780328	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997544	23.60
95	10/30/2018	Manolos	AT184B	12	1780329	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997756	24.67
96	10/30/2018	Manolos	AT773S	15	1780330	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997606	23.39
97	10/30/2018	Manolos	AT250E	13	1780331	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997744	23.62
98	10/30/2018	Serpa Express	AS443X	2	1780332	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997782	25.54
99	10/30/2018	Manolos	AU440B	16	1780333	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997686	21.13
100	10/30/2018	Manolos	AU658H	17	1780334	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997668	21.13
101	10/30/2018	Manolos	AP414M	5	1780335	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997633	20.70
102	10/30/2018	Manolos	AU205L	18	1780336	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997814	25.31
103	10/30/2018	Manolos	AT380H	14	1780337	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997661	24.81
104	10/30/2018	Cuenca Coronel	AU758A	73	1780338	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997858	24.75
105	10/30/2018	Cuenca Coronel	AT280E	40	1780339	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997739	23.38
106	10/30/2018	Cuenca Coronel	AS469U	65	1780340	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997797	23.13
107	10/30/2018	Cuenca Coronel	AS716J	57	1780341	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997769	23.95
108	10/30/2018	Cuenca Coronel	AT472R	15	1780342	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997911	25.48
109	10/30/2018	Cuenca Coronel	AS99D	50	1780343	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997922	25.93
110	10/30/2018	Cuenca Coronel	AT398F	41	1780344	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997833	22.50
111	10/30/2018	Cuenca Coronel	AS208J	54	1780345	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997872	20.67
112	10/30/2018	Cuenca Coronel	AS753X	67	1780346	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997886	17.77
113	10/30/2018	Cuenca Coronel	AS211A	47	1780347	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997900	21.39
114	10/30/2018	Cuenca Coronel	AS725D	48	1780348	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997936	21.84
115	10/30/2018	Cuenca Coronel	AT104E	17	1780349	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997866	23.73
116	10/30/2018	Cuenca Coronel	AT399F	71	1780350	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998007	24.43
117	10/30/2018	Cuenca Coronel	AS597J	55	1780351	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998062	27.84
118	10/30/2018	Cuenca Coronel	AS715J	56	1780352	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997980	21.70
119	10/30/2018	Cuenca Coronel	AS100E	51	1780353	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998089	24.48
120	10/30/2018	Cuenca Coronel	AS963Y	68	1780354	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000997992	23.65
121	10/30/2018	Cuenca Coronel	AT686H	27	1780355	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998000	23.31
122	10/30/2018	Manolos	AS126P	8	1780357	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998174	15.39
123	10/30/2018	Manolos	AT773S	15	1780358	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998181	21.03
124	10/30/2018	Manolos	AU440B	16	1780359	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998296	20.47
125	10/30/2018	Manolos	AP414M	5	1780360	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998593	21.24
126	10/30/2018	Manolos	AU658H	17	1780361	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998306	25.56
127	10/30/2018	Manolos	AT914A	11	1780362	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998313	22.80
128	10/30/2018	Manolos	AT250E	13	1780363	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998318	19.92
129	10/30/2018	Manolos	AR498D	4	1780364	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998335	21.58
130	10/30/2018	Cuenca Coronel	AT280E	40	1780365	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998356	21.90
131	10/30/2018	Manolos	AS874P	9	1780366	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998369	20.25
132	10/30/2018	Manolos	AT184B	12	1780367	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998378	21.86
133	10/30/2018	Manolos	AU148N	19	1780368	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998491	24.03
134	10/30/2018	Manolos	AP962W	3	1780369	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998389	22.11
135	10/30/2018	Manolos	AS640N	10	1780370	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998413	21.24
136	10/30/2018	Cuenca Coronel	AS716J	57	1780371	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998428	22.58
137	10/30/2018	Cuenca Coronel	AS469U	65	1780372	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998448	23.82
138	10/30/2018	Manolos	AU205L	18	1780373	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998444	20.52
139	10/30/2018	Manolos	AT380H	14	1780374	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998463	19.49
140	10/30/2018	Cuenca Coronel	AU758A	73	1780375	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998474	20.85
141	10/30/2018	Cuenca Coronel	AT398F	41	1780376	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998482	20.63
142	10/30/2018	Cuenca Coronel	AT104E	17	1780377	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998489	22.78

Table 1
Export Material Summary
Construction Completion Report

Silvercup West - NYPA
Long Island City, New York
BCP Site No.: C241109
Langan Project No.: 005635008

LOAD COUNTER	DATE	TRUCKING COMPANY	TRUCK LICENSE PLATE NUMBER	TRUCK No.	MANIFEST NUMBER	MATERIAL APPROVAL NUMBER	MATERIAL TYPE	DISPOSAL FACILITY	COUNTERSIGNED MANIFEST/WEIGHT TICKET NUMBER	AMOUNT DISPOSED OFF-SITE (TON)
143	10/30/2018	Cuenca Coronel	AS208J	54	1780378	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998603	24.86
144	10/30/2018	Cuenca Coronel	AS211A	47	1780401	183150169	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998609	21.84
145	10/30/2018	Cuenca Coronel	AT472R	15	1780402	183150169	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998596	22.83
146	10/30/2018	Cuenca Coronel	AS999D	50	1780403	183150169	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000998613	22.69
147	11/1/2018	Manolos	AT773S	15	1780379	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000999946	20.86
148	11/1/2018	Manolos	AT380H	14	1780380	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000999956	21.61
149	11/1/2018	Manolos	AT914A	11	1780404	183150169	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700000999970	22.09
150	11/1/2018	Manolos	AU205L	18	1780405	183150169	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001000022	24.27
151	11/1/2018	Manolos	AT380H	14	1780406	183150169	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001000602	20.36
152	11/1/2018	Manolos	AT914A	11	1780407	183150169	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001000619	22.09
153	11/1/2018	Manolos	AT773S	15	1780408	183150169	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001000629	22.56
154	11/1/2018	Manolos	AU205L	18	1780409	183150169	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001000737	20.49
155	11/6/2018	Manolos	AU440B	16	4696294	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176056	20.13
156	11/6/2018	Manolos	AT914A	11	4696295	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176082	23.18
157	11/6/2018	Manolos	AT380H	14	4696296	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176079	20.14
158	11/6/2018	Manolos	AT773S	15	4696297	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176094	25.64
159	11/6/2018	Manolos	AU658H	17	4696298	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176097	21.19
160	11/6/2018	Manolos	AT250E	13	4696299	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176098	20.55
161	11/6/2018	Manolos	AS874P	9	4696300	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176100	22.80
162	11/6/2018	Manolos	AT779U	31	4696301	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176103	26.56
163	11/6/2018	JC Transport	AT780U	32	4696302	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176105	27.15
164	11/6/2018	JC Transport	AS424V	24	4696303	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176119	26.69
165	11/6/2018	JC Transport	AU316D	36	4696304	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176116	25.20
166	11/6/2018	JC Transport	AS622A	16	4696305	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176117	26.50
167	11/6/2018	JC Transport	AT778U	30	4696306	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176114	25.00
168	11/6/2018	Manolos	AU205L	18	4696307	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176101	26.36
169	11/6/2018	JC Transport	AT781U	33	4696308	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176121	26.32
170	11/7/2018	Manolos	AS126P	8	4696309	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176317	26.74
171	11/7/2018	Serpa Express	AS444X	3	4696310	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176324	27.91
172	11/7/2018	Manolos	AP962W	3	4696311	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176334	26.29
173	11/7/2018	Manolos	AU148N	19	4696312	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176338	26.58
174	11/7/2018	Costa	AS864B	3	4696313	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176321	22.49
175	11/7/2018	Manolos	AR498D	4	4696314	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176361	24.18
176	11/7/2018	Serpa Express	AU837N	4	4696315	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176360	24.04
177	11/7/2018	Serpa Express	AS443X	2	4696316	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176366	23.51
178	11/7/2018	Manolos	AS640N	10	4696317	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176368	26.91
179	11/7/2018	Manolos	AS874P	9	4696318	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176356	21.10
180	11/7/2018	Manolos	AU658H	17	5368531	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176374	21.58
181	11/7/2018	T-Mak	AS873T	6	5368532	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1177185	25.54
182	11/7/2018	T-Mak	AS553B	5	5368533	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176401	20.78
183	11/7/2018	Costa	AT222N	7	5368534	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176399	19.99
184	11/7/2018	Costa	AS314S	4	5368535	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1176402	24.91
185	11/12/2018	Serpa Express	AU837N	4	5368536	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1177186	23.65
186	11/12/2018	Serpa Express	AS443X	2	5368537	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1177226	26.94
187	11/12/2018	Serpa Express	AS444X	3	5368538	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1177411	25.90
188	11/13/2018	Manolos	AP414M	5	5368541	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1177427	24.41
189	11/13/2018	Manolos	AR498D	4	5368540	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1177450	23.84
190	11/13/2018	Manolos	AP962W	3	5368539	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1177444	22.01
191	11/13/2018	Serpa Express	AU837N	4	5368542	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1177429	24.38
192	11/13/2018	Manolos	AS640N	10	5368543	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1177432	28.20
193	11/13/2018	Serpa Express	AS443X	2	5368544	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1180783	28.84
194	12/3/2018	Serpa Express	AR498D	4	5368545	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1180791	31.09
195	12/3/2018	Serpa Express	AS443X	2	5368546	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182258	25.48
196	12/5/2018	Manolos	AR497D	6	1780382	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001021894	18.99
197	12/5/2018	Manolos	AU658H	17	1780383	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001021913	19.76
198	12/5/2018	Serpa Express	AU837N	4	1780384	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001021963	21.12
199	12/5/2018	Manolos	AU148N	19	1780385	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001021921	24.48
200	12/5/2018	Manolos	AS126P	8	1780386	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001021987	21.41
201	12/5/2018	Manolos	AU440B	16	1780387	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001021991	19.16
202	12/6/2018	Manolos	AU658H	17	1780388	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001022923	21.76
203	12/6/2018	Manolos	AU205L	18	1780389	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001023065	21.04
204	12/6/2018	Manolos	AP962W	3	1780390	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001023068	20.81
205	12/6/2018	Manolos	AS640N	10	1780391	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001023071	21.88
206	12/10/2018	Manolos	AS126P	8	5368547	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182267	24.73
207	12/10/2018	Manolos	AU148N	14	5368548	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182273	26.71
208	12/10/2018	Manolos	AU440B	16	5368549	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182265	20.65
209	12/10/2018	Manolos	AU658H	17	5368550	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182277	22.38
210	12/10/2018	Manolos	AS640N	10	5368551	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182278	23.56
211	12/10/2018	Manolos	AS874P	9	5368552	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182285	22.36
212	12/10/2018	Serpa Express	AU837N	4	5368553	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182300	24.70
213	12/10/2018	Manolos	AT380H	14	5368554	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182537	23.23
214	12/11/2018	Manolos	AR497D	6	5368555	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182565	20.65
215	12/11/2018	Manolos	AU440B	16	5368556	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182554	16.55
216	12/11/2018	Manolos	AU148N	19	5368557	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182554	18.75
217	12/11/2018	Manolos	AS126P	8	5368558	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182562	21.55
218	12/11/2018	Manolos	AU658H	17	5368559	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182555	20.03
219	12/11/2018	Manolos	AT184B	12	5368560	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182567	21.06
220	12/11/2018	Manolos	AS874P	9	5368561	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182559	20.35
221	12/11/2018	Serpa Express	AS444X	3	5368562	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182568	21.88
222	12/11/2018	Serpa Express	AS443X	2	5368563	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182577	24.90
223	12/11/2018	Manolos	AT380H	14	1780392	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001026280	24.71
224	12/11/2018	Manolos	AT773S	15	1780393	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001026276	23.36
225	12/12/2018	Manolos	AU440B	16	5368564	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182818	22.32
226	12/12/2018	Manolos	AR497D	6	5368565	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182827	26.90
227	12/12/2018	Manolos	AU148N	19	5368566	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182822	23.25
228	12/12/2018	Serpa Express	AS443X	2	5368567	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182845	29.64
229	12/12/2018	Manolos	AS874P	9	5368568	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182828	20.24
230	12/12/2018	Manolos	AT380H	14	5368569	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182843	22.21
231	12/12/2018	Manolos	AS126P	8	5368570	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182842	19.96
232	12/12/2018	Manolos	AP414M	5	5368571	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182866	23.15
233	12/12/2018	Manolos	AU205L	18	5368572	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1182850	20.73
234	12/12/2018	Manolos	AT250E	13	1780394	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001026716	22.92
235	12/12/2018	Manolos	AT914A	11	1780395	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001026744	21.71
236	12/12/2018	Cuenca Coronel	AT280E	40	1780396	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001026859	28.03
237	12/12/2018	Cuenca Coronel	AT399F	71	1780397	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001026761	19.49
238	12/12/2018	Cuenca Coronel	AS999D	50	1780398	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001027048	22.32
239	12/12/2018	Cuenca Coronel	AT398F	41	1780399	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001027186	22.61
240	12/12/2018	Manolos	AT250E	13	1780400	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001027194	23.56
241	12/12/2018	Manolos	AT914A	11	1790246	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001027170	19.93
242	12/12/2018	Manolos	AP962W	3	1790247	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001027173	21.05
243	12/12/2018	Manolos	AR498D	4	1790248	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001027209	22.67
244	12/12/2018	Manolos	AT773S	15	1790249	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001027208	20.90
245	12/13/2018	Manolos	AP414M	5	5368573	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1183131	30.22
246	12/13/2018	Manolos	AT914A	11	5368574	50811812699	Petroleum / Cobalt Metal Impacted Soil	Conestoga	1183127	24.28
247	12/13/2018	Manolos	AS640N	10	1790257	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001027553	25.09
248	12/13/2018	Manolos	AT380H	14	1790258	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001027603	23.34
249	12/13/2018	Manolos	AU205L	18	1790259	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001027578	24.26
250	12/13/2018	Manolos	AT773S	15	1790260	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001027672	22.54
251	12/13/2018	Manolos	AS126P	8	1790261	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001027704	21.21
252	12/13/2018	Manolos	AT380H	14	1790262	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001028285	23.78
253	12/13/2018	Manolos	AT250E	13	1790263	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001028248	20.97
254	12/13/2018	Manolos	AU205L	18	1790264	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001028288	24.45
255	12/13/2018	Manolos	AS640N	10	1790265	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001028327	24.08
256	12/13/2018	Manolos	AT773S	15	1790266	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001028314	23.34
257	12/14/2018	Manolos	AR498D	4	1790250	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001028694	21.87
258	12/14/2018	Manolos	AP962W	3	1790251	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001028725	25.02
259	12/14/2018	Manolos	AP414M	5	1790252	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001028718	21.43
260	12/14/2018	Manolos	AS874P	9	1790253	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001028734	25.96
261	12/14/2018	Manolos	AR497D	6	1790254	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001028731	24.82
262	12/14/2018	Manolos	AR498D	4	1790255	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001029201	22.16
263	12/14/2018	Manolos	AP414M	5	1790256	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001029251	21.00
264	12/14/2018	Manolos	AS874P	9	1790267	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001029349	18.27
265	12/14/2018	Manolos	AR497D	6	1790268	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001029318	22.35
266	12/14/2018	Manolos	AP962W	3	1790269	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001029334	20.14
267	12/17/2018	Manolos	AP962W	3	1790270	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001029726	23.69
268	12/17/2018	Manolos	AR498D	4	1790271	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001029742	21.32

Table 1
Export Material Summary
Construction Completion Report

Silvercup West - NYPA
Long Island City, New York
BCP Site No.: C241109
Langan Project No.: 005635008

LOAD COUNTER	DATE	TRUCKING COMPANY	TRUCK LICENSE PLATE NUMBER	TRUCK No.	MANIFEST NUMBER	MATERIAL APPROVAL NUMBER	MATERIAL TYPE	DISPOSAL FACILITY	COUNTERSIGNED MANIFEST/WEIGHT TICKET NUMBER	AMOUNT DISPOSED OFF-SITE (TON)
269	12/17/2018	Manolos	AT773S	15	1790272	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001029759	20.39
270	12/17/2018	Manolos	AT380H	14	1790273	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001029778	20.04
271	12/17/2018	Manolos	AU205L	18	1790274	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001029786	22.47
272	12/17/2018	Manolos	AP962W	3	1790275	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001030151	21.88
273	12/17/2018	Manolos	AT773S	15	1790276	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001030158	25.32
274	12/17/2018	Manolos	AR498D	4	1790277	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001030170	21.83
275	12/17/2018	Manolos	AU205L	18	1790278	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001030229	20.34
276	12/17/2018	Manolos	AT380H	14	1790279	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001030242	21.76
277	12/18/2018	Manolos	AT250E	13	1790280	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001030709	22.93
278	12/18/2018	Manolos	AT914A	11	1790281	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001030712	24.39
279	12/18/2018	Manolos	AS126P	8	1790282	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001030759	20.04
280	12/18/2018	Manolos	AU440B	16	1790283	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001030772	21.62
281	12/18/2018	Manolos	AT250E	13	1790284	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001031209	20.27
282	12/18/2018	Manolos	AU440B	16	1790285	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001031269	20.64
283	12/18/2018	Manolos	AS126P	8	1790286	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001031278	22.94
284	12/18/2018	Manolos	AT914A	11	1790287	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001031261	21.23
285	12/19/2018	Serpa Express	AS444X	3	5368575	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1184180	21.29
286	12/19/2018	Serpa Express	AS443X	2	5368576	50811812699	Historic Fill / Cobalt Metal Impacted Soil	Conestoga	1184198	25.19
287	12/19/2018	Manolos	AS874P	9	1790288	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001031821	14.58
288	12/19/2018	Manolos	AS126P	8	1790289	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001031853	19.21
289	12/19/2018	Manolos	AS874P	9	1790290	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001032394	24.15
290	12/19/2018	Manolos	AS126P	8	1790291	183150168	Petroleum Impacted Soil	Clean Earth of Southeast Pennsylvania	700001032434	22.62

Table 2
Construction Completion Report
Documentation Soil Sample Summary

Silvercup West - NYPA
Long Island City, New York
BCP Site No.: C241109
Langan Project No.: 005635008

SOIL								
No.	**Sample Name**	**Boring Location**	**Sample Type**	**Sample Date**	**Sample Time**	**Sample Elevation (feet NAVD88)**	**Target Sample Depth**	**Analysis**
1	BEP-01_-1_103018	BEP-01	Grab	10/30/2018	940	-1	One foot below the water table / Remediation Extent	CP-51 VOCs and SVOCs
2	BEP-02_-1_103018	BEP-02		10/30/2018	950	-1		
3	BEP-03_-1_103018	BEP-03		10/30/2018	1330	-1		
4	BEP-04_-2_103018	BEP-04		10/30/2018	1400	-2		
5	BEP-05_-2_103018	BEP-05		10/30/2018	1445	-2		
6	BEP-06_-2_110618	BEP-06		11/6/2018	815	-2		
7	BEP-06_-1_110818	BEP-06		11/8/2018	1000	-1		
8	BEP-07_-1_110718	BEP-07		11/7/2018	815	-1		
9	BEP-08_-1_110718	BEP-08		11/7/2018	1000	-1		
10	BEP-09_-4_121018	BEP-09		12/10/2018	900	-4		
11	BEP-10_-1_121318	BEP-10		12/13/2018	800	-1		
12	BEP-11_-1_121318	BEP-11		12/13/2018	1030	-1		
13	BEP-12_-2_121918	BEP-12		12/19/2018	900	-1		
14	BEP-13_-1_121318	BEP-13		12/13/2018	805	-1		
15	SW-01_4_103018	SW-01		10/30/2018	945	4		
16	SW-02_-1_103118	SW-02		10/31/2018	1245	-1		
17	SW-03_0_103118	SW-03		10/31/2018	1300	0		
18	SW-04_-1_103118	SW-04		10/31/2018	1345	-1		
19	SW-05_2_110618	SW-05		11/6/2018	800	2		
20	SW-06_0_110718	SW-06		11/7/2018	830	0		
21	SW-07_1_122718	SW-07		12/27/2018	930	1		
22	SW-08_1_122718	SW-08		12/27/2018	920	1		
23	SW-09_1_122718	SW-09		12/27/2018	910	1		
24	SW-10_1_122718	SW-10		12/27/2018	915	1		
QA/QC								
1	DUP01_110618	SW-05	Grab	11/6/2018	1200	2	One foot below the water table / Remediation Extent	CP-51 VOCs and SVOCs
2	DUP01_122718	SW-09		12/27/2018	1200	1		
3	FB01_110618	NA		11/6/2018	900	NA	NA	
4	FB01_122718	NA		12/27/2018	1130	NA		
5	TB01_103118	NA		10/31/2018	NA	NA		CP-51 VOCs
6	TB01_103018	NA		10/30/2018	NA	NA		
7	TB01_110618	NA		11/6/2018	NA	NA		
8	TB01_121018	NA		12/10/2018	NA	NA		
9	TB01_121918	NA		12/19/2018	NA	NA		
10	TB01_122718	NA		12/27/2018	NA	NA		
11	TB01_110718	NA		11/7/2018	NA	NA		
12	TB01_110818	NA		11/8/2018	NA	NA		
13	TB01_121318	NA		12/13/2018	NA	NA		
14	BEP-MS_110718	BEP-07	MS	11/7/2018	1200	-1		CP-51 VOCs and SVOCs
15	BEP-MSD_110718	BEP-07	MSD	11/7/2018	1200	-1		
16	SW-MS_122718	SW-10	MS	12/27/2018	915	1		
17	SW-MSD_122718	SW-10	MSD	12/27/2018	915	1		

Notes:
1. Elevations reference the United States Geological Survey (USGS) North American Vertical Datum of 1988 (NAVD88).
2. VOC = Volatile organic compound
3. SVOC = Semivolatile organic compound
4. QA/QC = Quality assurance/quality control
5. NA = Not applicable

Table 3
Documentation Soil Sample Analytical Results
Construction Completion Report

Silvercup West - NYPA
Long Island City, New York
BCP Site No.: C2411099
Langan Project No.: 005635008

Location Sample ID Laboratory ID Sample Date Depth (feet bgs)	NYSDEC CP-51 SCLs for Gasoline and Fuel Oil Contaminated Soils	BEP-01 BEP-01_-1_103018 L1844313-01 10/30/2018 -1	BEP-02 BEP-02_-1_103018 L1844313-02 10/30/2018 -1	BEP-03 BEP-03_-1_103018 L1844313-03 10/30/2018 -1	BEP-04 BEP-04_-2_103018 L1844313-04 10/30/2018 -2	BEP-05 BEP-05_-2_103018 L1844313-05 10/30/2018 -2	BEP-06 BEP-06_-1_110818 L1845851-01 11/8/2018 -1	BEP-07 BEP-07_-1_110718 L1845557-02 11/7/2018 -1	BEP-08 BEP-08_-1_110718 L1845557-01 11/7/2018 -1	BEP-09 BEP-09_-4_121018 L1850619-01 12/10/2018 -4	BEP-10 BEP-10_-1_121318 L1851330-03 12/13/2018 -1	BEP-11 BEP-11_-1_121318 L1851330-04 12/13/2018 -1	BEP-12 BEP-12_-2_121918 L1852290-01 12/19/2018 -2
Volatile Organic Compounds (mg/kg)													
1,2,4-Trimethylbenzene	3.6	0.002 U	0.002 U	0.74	0.0027 U	0.0022 J	0.034 J	0.13 U	0.0023 U	0.0015 J	0.0021 U	0.003 U	0.0021 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	0.002 U	0.002 U	0.13 U	0.0027 U	0.00061 J	0.09 U	0.13 U	0.0023 U	0.001 J	0.0021 U	0.003 U	0.0021 U
Benzene	0.06	0.0005 U	0.00049 U	0.033 U	0.00068 U	0.00024 J	0.013 J	0.032 U	0.00057 U	0.0006 U	0.00052 U	0.00076 U	0.00052 U
Cymene	10	0.001 U	0.00099 U	0.28	0.0003 J	0.0078	0.033 J	0.064 U	0.0011 U	0.00024 J	0.00082 J	0.0015 U	0.001 U
Ethylbenzene	1	0.001 U	0.00099 U	0.065 U	0.0014 U	0.00034 J	0.02 J	0.016 J	0.0011 U	0.0012 U	0.001 U	0.0015 U	0.001 U
Isopropylbenzene (Cumene)	2.3	0.001 U	0.00099 U	0.1	0.0014 U	0.00048 J	0.039 J	0.077	0.0033	0.0021	0.001 U	0.0015 U	0.001 U
M,P-Xylene	~	0.002 U	0.002 U	0.13 U	0.0027 U	0.0013 J	0.053 J	0.13 U	0.0023 U	0.0024 U	0.0021 U	0.003 U	0.0021 U
Naphthalene	12	0.004 U	0.004 U	0.053 J	0.0013 J	0.0065	0.38	0.32	0.0058	0.0069	0.0041 U	0.0028 J	0.0042 U
n-Butylbenzene	12	0.001 U	0.00099 U	0.14	0.0014 U	0.00039 J	0.058	0.098	0.015	0.0012 U	0.001 U	0.0015 U	0.001 U
n-Propylbenzene	3.9	0.001 U	0.00099 U	0.14	0.0014 U	0.00055 J	0.061	0.1	0.0011 U	0.00023 J	0.001 U	0.0015 U	0.001 U
o-Xylene (1,2-Dimethylbenzene)	~	0.001 U	0.00099 U	0.065 U	0.0014 U	0.0004 J	0.016 J	0.064 U	0.0011 U	0.00055 J	0.001 U	0.0015 U	0.001 U
Sec-Butylbenzene	11	0.001 U	0.00099 U	0.23	0.0003 J	0.0013	0.08	0.1	0.068	0.0011 J	0.00057 J	0.0015 U	0.001 U
T-Butylbenzene	5.9	0.002 U	0.002 U	0.043 J	0.0027 U	0.00046 J	0.012 J	0.015 J	0.03	0.00068 J	0.00037 J	0.003 U	0.00018 J
Toluene	0.7	0.001 U	0.00099 U	0.065 U	0.0014 U	0.0013	0.033 J	0.064 U	0.0011 U	0.0012 U	0.001 U	0.0015 U	0.001 U
Total Xylenes	0.26	0.001 U	0.00099 U	0.065 U	0.0014 U	0.0017 J	0.069 J	0.064 U	0.0011 U	0.00055 J	0.001 U	0.0015 U	0.001 U
Semivolatile Organic Compounds (mg/kg)													
Acenaphthene	20	0.17 U	0.16 U	0.035 J	0.11 J	0.069 J	0.56	0.047 J	0.064 J	0.2	0.039 J	1.1	0.053 J
Acenaphthylene	100	0.17 U	0.16 U	0.16 U	0.051 J	0.034 J	0.16 U	0.16 U	0.17 U	0.17 U	0.16 U	0.44	0.033 J
Anthracene	100	0.12 U	0.12 U	0.088 J	0.24	0.21	0.44	0.12 U	0.13 U	0.13 U	0.14	2	0.1 J
Benzo(a)Anthracene	1	0.3	0.12 U	0.3	0.78	0.46	0.39	0.12	0.27	0.14	0.33	**4.9**	0.23
Benzo(a)Pyrene	1	0.2	0.16 U	0.27	0.73	0.39	0.38	0.14 J	0.31	0.18	0.22	**4.2**	0.26
Benzo(b)Fluoranthene	1	0.26	0.12 U	0.35	0.96	0.48	0.46	0.2	0.41	0.24	0.28	**4.9**	0.31
Benzo(g,h,i)Perylene	100	0.11 J	0.16 U	0.18	0.49	0.26	0.23	0.099 J	0.2	0.13 J	0.13 J	2.6	0.18
Benzo(k)Fluoranthene	0.8	0.096 J	0.12 U	0.089 J	0.28	0.17	0.16	0.057 J	0.15	0.07 J	0.1 J	**1.5**	0.11 J
Chrysene	1	0.17	0.12 U	0.28	0.67	0.4	0.35	0.14	0.32	0.16	0.25	**4.4**	0.21
Dibenz(a,h)Anthracene	0.33	0.034 J	0.12 U	0.043 J	0.12	0.062 J	0.058 J	0.024 J	0.045 J	0.13 U	0.028 J	**0.7**	0.037 J
Fluoranthene	100	0.98	0.12 U	0.6	1.3	0.98	0.78	0.25	0.56	0.31	0.78	11	0.47
Fluorene	30	0.21 U	0.19 U	0.034 J	0.088 J	0.092 J	0.91	0.068 J	0.22 U	0.091 J	0.052 J	1.2	0.042 J
Indeno(1,2,3-c,d)Pyrene	0.5	0.12 J	0.16 U	0.18	**0.51**	0.26	0.26	0.1 J	0.22	0.12 J	0.14 J	**2.7**	0.18
Naphthalene	12	0.086 J	0.19 U	0.053 J	0.091 J	0.68	0.5	0.093 J	0.22 U	0.11 J	0.078 J	1.1	0.13 J
Phenanthrene	100	0.12 U	0.12 U	0.42	0.85	0.89	0.71	0.089 J	0.22	0.19	0.55	7.7	0.27
Pyrene	100	1.3	0.12 U	0.56	1.1	0.84	0.93	0.22	0.5	0.28	0.61	9.9	0.42
General Chemistry (%)													
Total Solids	~	79.7	85.2	81.8	84.1	84	81.1	83.3	76	75.1	84	66.5	83.9

Notes provided on Page 4.

Table 3
Documentation Soil Sample Analytical Results
Construction Completion Report

Silvercup West - NYPA
Long Island City, New York
BCP Site No.: C2411099
Langan Project No.: 005635008

Location Sample ID Laboratory ID Sample Date Depth (feet bgs)	NYSDEC CP-51 SCLs for Gasoline and Fuel Oil Contaminated Soils	BEP-01 BEP-01_-1_1030 L1844313-01 10/30/2018 -1	BEP-13 BEP-13_-1_121318 L1851330-02 12/13/2018 -1	SW-01 SW-01_4_103018 L1844313-06 10/30/2018 4	SW-02 SW-02_-1_103118 L1844556-01 10/31/2018 -1	SW-03 SW-03_0_103118 L1844556-02 10/31/2018 0	SW-04 SW-04_-1_103118 L1844556-03 10/31/2018 -1	SW-05 SW-05_2_110618 L1845293-01 11/6/2018 2	SW-05 DUP01_110618 L1845293-03 11/6/2018 2	SW-06 SW-06_0_110718 L1845557-03 11/7/2018 0	SW-07 SW-07_1_122718 L1853204-04 12/27/2018 1	SW-08 SW-08_1_122718 L1853204-03 12/27/2018 1	SW-09 SW-09_1_122718 L1853204-01 12/27/2018 1	SW-09 DUP01_122718 L1853204-05 12/27/2018 1
Volatile Organic Compounds (mg/kg)														
1,2,4-Trimethylbenzene	3.6	0.002	0.0023 U	0.0022 U	0.0023 U	0.0025 U	0.0027 U	0.52 U	0.11 U	0.42 U	0.12 J	0.082 J	0.062 J	0.046 J
1,3,5-Trimethylbenzene (Mesitylene)	8.4	0.002	0.0023 U	0.0022 U	0.0023 U	0.0025 U	0.0027 U	0.52 U	0.11 U	0.42 U	0.034 J	0.31 U	0.014 J	0.14 U
Benzene	0.06	0.0005	0.00058 U	0.00056 U	0.00058 U	0.00062 U	0.00067 U	*0.13* U	0.028 U	*0.1* U	0.013 J	*0.078* U	0.019 J	0.034 U
Cymene	10	0.001	0.0012 U	0.0011 U	0.0012 U	0.00043 J	0.0013 U	0.26 U	0.055 U	0.21 U	0.06 J	0.16 U	0.067 U	0.068 U
Ethylbenzene	1	0.001	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.26 U	0.055 U	0.21 U	0.027 J	0.04 J	0.038 J	0.034 J
Isopropylbenzene (Cumene)	2.3	0.001	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.24 J	0.029 J	0.41	0.017 J	0.16 U	0.035 J	0.029 J
M,P-Xylene	~	0.002	0.0023 U	0.0022 U	0.0023 U	0.0025 U	0.0027 U	0.52 U	0.11 U	0.42 U	0.059 J	0.095 J	0.071 J	0.068 J
Naphthalene	12	0.004	0.0047 U	0.00072 J	0.0046 U	0.005 U	0.0053 U	1.2	0.12 J	3.2	0.17 J	0.63 U	0.21 J	0.27 U
n-Butylbenzene	12	0.001	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.56	0.052 J	0.39	0.077 U	0.16 U	0.067 U	0.068 U
n-Propylbenzene	3.9	0.001	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.3	0.023 J	0.24	0.026 J	0.16 U	0.049 J	0.043 J
o-Xylene (1,2-Dimethylbenzene)	~	0.001	0.00036 J	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.26 U	0.055 U	0.21 U	0.032 J	0.16 U	0.067 U	0.068 U
Sec-Butylbenzene	11	0.001	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.43	0.046 J	0.48	0.037 J	0.16 U	0.072	0.11
T-Butylbenzene	5.9	0.002	0.0023 U	0.0022 U	0.0023 U	0.0025 U	0.0027 U	0.52 U	0.11 U	0.1 J	0.15 U	0.31 U	0.081 J	0.18
Toluene	0.7	0.001	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.26 U	0.055 U	0.21 U	0.077 U	0.16 U	0.067 U	0.068 U
Total Xylenes	0.26	0.001	0.00036 J	0.0011 U	0.0012 U	0.0012 U	0.0013 U	0.26 U	0.055 U	0.21 U	0.091 J	0.095 J	0.071 J	0.068 J
Semivolatile Organic Compounds (mg/kg)														
Acenaphthene	20	0.17	0.075 J	0.046 J	0.17 U	0.17 U	0.16 U	2.1	1.1	0.8	0.088 J	0.072 J	0.13 J	0.091 J
Acenaphthylene	100	0.17	1.2	0.15 U	0.17 U	0.17 U	0.036 J	1.6 U	0.77 U	0.17 U	0.17 U	0.16 U	0.16 U	0.16 U
Anthracene	100	0.12	0.32	0.12	0.12 U	0.12 U	0.048 J	2	0.97	0.69	0.17	0.4	0.37	0.34
Benzo(a)Anthracene	1	0.3	0.77	0.35	0.033 J	0.12 U	0.24	*1.2* U	0.11 J	0.14	0.37	0.37	1	**1.3**
Benzo(a)Pyrene	1	0.2	0.92	0.32	0.17 U	0.17 U	0.2	*1.6* U	0.77 U	0.087 J	0.35	0.3	0.99	**1.2**
Benzo(b)Fluoranthene	1	0.26	1	0.42	0.038 J	0.12 U	0.23	*1.2* U	0.58 U	0.11 J	0.46	0.36	**1.2**	**1.4**
Benzo(g,h,i)Perylene	100	0.11	0.65	0.26	0.17 U	0.17 U	0.14 J	1.6 U	0.77 U	0.054 J	0.25	0.18	0.63	0.69
Benzo(k)Fluoranthene	0.8	0.096	0.26	0.14	0.12 U	0.12 U	0.064 J	*1.2* U	0.58 U	0.045 J	0.14	0.13	0.43	0.48
Chrysene	1	0.17	0.7	0.34	0.032 J	0.12 U	0.22	*1.2* U	0.1 J	0.12 J	0.35	0.31	0.95	**1.1**
Dibenz(a,h)Anthracene	0.33	0.034	0.12	0.056 J	0.12 U	0.12 U	0.12 U	*1.2* U	*0.58* U	0.13 U	0.06 J	0.048 J	0.17	0.18
Fluoranthene	100	0.98	1.4	0.69	0.057 J	0.024 J	0.31	0.55 J	0.31 J	0.34	0.74	0.73	1.8	2.1
Fluorene	30	0.21	0.13 J	0.045 J	0.21 U	0.21 U	0.21 U	6.8	3.3	1.6	0.11 J	0.081 J	0.1 J	0.098 J
Indeno(1,2,3-c,d)Pyrene	0.5	0.12	**0.62**	0.25	0.17 U	0.17 U	0.13 J	*1.6* U	*0.77* U	0.053 J	0.26	0.19	**0.65**	**0.74**
Naphthalene	12	0.086	0.52	0.04 J	0.21 U	0.21 U	0.042 J	2 U	0.97 U	0.2 J	0.27	0.11 J	0.26	0.3
Phenanthrene	100	0.12	0.88	0.43	0.042 J	0.12 U	0.1 J	1.2 U	0.58 U	0.075 J	0.49	0.13	0.66 J	0.37 J
Pyrene	100	1.3	1.6	0.59	0.049 J	0.12 U	0.46	1.5	0.82	0.56	0.74	0.85	1.8	2.1
General Chemistry (%)														
Total Solids	~	79.7	82.7	88.8	78.8	79.5	78.9	81.7	85.8	76.4	77.7	82.7	80.6	79.3

Notes provided on Page 4.

Table 3
Documentation Soil Sample Analytical Results
Construction Completion Report

Silvercup West - NYPA
Long Island City, New York
BCP Site No.: C2411099
Langan Project No.: 005635008

Location Sample ID Laboratory ID Sample Date Depth (feet bgs)	NYSDEC CP-51 SCLs for Gasoline and Fuel Oil Contaminated Soils	BEP-01 BEP-01_-1_1030' L1844313-01 10/30/2018 -1		SW-10 SW-10_1_122718 L1853204-02 12/27/2018 1	
Volatile Organic Compounds (mg/kg)					
1,2,4-Trimethylbenzene	3.6	0.002		0.024	J
1,3,5-Trimethylbenzene (Mesitylene)	8.4	0.002		0.13	U
Benzene	0.06	0.0005		0.032	U
Cymene	10	0.001		0.064	U
Ethylbenzene	1	0.001		0.011	J
Isopropylbenzene (Cumene)	2.3	0.001		0.011	J
M,P-Xylene	~	0.002		0.13	U
Naphthalene	12	0.004		0.11	J
n-Butylbenzene	12	0.001		0.064	U
n-Propylbenzene	3.9	0.001		0.064	U
o-Xylene (1,2-Dimethylbenzene)	~	0.001		0.064	U
Sec-Butylbenzene	11	0.001		0.037	J
T-Butylbenzene	5.9	0.002		0.0092	J
Toluene	0.7	0.001		0.064	U
Total Xylenes	0.26	0.001		0.064	U
Semivolatile Organic Compounds (mg/kg)					
Acenaphthene	20	0.17		0.036	J
Acenaphthylene	100	0.17		0.16	U
Anthracene	100	0.12		0.078	J
Benzo(a)Anthracene	1	0.3		0.21	
Benzo(a)Pyrene	1	0.2		0.19	
Benzo(b)Fluoranthene	1	0.26		0.25	
Benzo(g,h,i)Perylene	100	0.11		0.13	J
Benzo(k)Fluoranthene	0.8	0.096		0.082	J
Chrysene	1	0.17		0.19	
Dibenz(a,h)Anthracene	0.33	0.034		0.032	J
Fluoranthene	100	0.98		0.36	
Fluorene	30	0.21		0.03	J
Indeno(1,2,3-c,d)Pyrene	0.5	0.12		0.14	J
Naphthalene	12	0.086		0.12	J
Phenanthrene	100	0.12		0.22	
Pyrene	100	1.3		0.42	
General Chemistry (%)					
Total Solids	~	79.7		84.9	

Notes provided on Page 4.

Table 3
Documentation Soil Sample Analytical Results
Construction Completion Report

Silvercup West - NYPA
Long Island City, New York
BCP Site No.: C2411099
Langan Project No.: 005635008

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Commissioner Policy 51 (CP+51) Soil Cleanup Levels (SCL) for Gasoline and Fuel Oil Contaminated Soils.
2. Only detected analytes are shown in the table.
3. Detected analytical results above NYSDEC CP+51 SCLs for Gasoline and Fuel Oil Contaminated Soils are bolded and shaded.
4. Analytical results with reporting limits (RL) above NYSDEC CP+51 SCLs for Gasoline and Fuel Oil Contaminated Soils are italicized.
5. Sample DUP01_110618 is a duplicate sample of SW-05_2_110618 and sample DUP01_122718 is a duplicate sample of SW-09_1_122718.
6. ~ = Regulatory limit for this analyte does not exist
7. bgs = below grade surface
8. mg/kg = milligrams per kilogram
9. % = percent

Qualifiers:
J – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
UJ – The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.
U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Table 4
Import Material Summary
Construction Completion Report

Silvercup West - NYPA
Long Island City, New York
BCP Site No.: C241109
Langan Project No.: 005635008

LOAD COUNTER	DATE	TRUCKING COMPANY	TRUCK LICENSE PLATE NUMBER	TRUCK No.	TYPE OF MATERIAL	Backfill Location	IMPORTER FACILITY	COUNTERSIGNED MANIFEST / WEIGHT TICKET NUMBER	AMOUNT IMPORTED ON-SITE (ton)
1	7/9/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53043176	26.02
2	7/9/2018	Hillwick	AS339P	E1326	Lime ASTM #57	NYPA	New York Sand & Stone	53043219	25.80
3	7/9/2018	Hillwick	AS295B	E1300	Lime ASTM #57	NYPA	New York Sand & Stone	53043201	25.85
4	7/11/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53043374	25.70
5	7/11/2018	Hillwick	AR633H	E1323	Lime ASTM #57	NYPA	New York Sand & Stone	53043424	25.56
6	8/2/2018	DJM Transport NYC Co.	AT727K	E8502	Lite Stone Fill 4-14	NYPA	Eastern Concrete Materials, Inc.	50054446	25.31
7	8/21/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53046145	25.69
8	8/29/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53046669	25.88
9	8/31/2018	Hillwick	AS205W	E1301	Lime ASTM #57	NYPA	New York Sand & Stone	53046839	26.80
10	8/31/2018	Hillwick	AT973M	E1324	Lime ASTM #57	NYPA	New York Sand & Stone	53046838	26.44
11	9/14/2018	Hillwick	AS256H	E1320	Lime ASTM #57	NYPA	New York Sand & Stone	53047527	25.72
12	10/10/2018	Hillwick	AS205W	E1301	Lime ASTM #57	NYPA	New York Sand & Stone	53048980	26.80
13	10/25/2018	DJM Transport NYC Co.	AG6789C	E8575	Lite Stone Fill 4-14	NYPA	Eastern Concrete Materials, Inc.	50066347	25.60
14	10/31/2018	Hillwick	AS205W	E1301	Lime ASTM #57	NYPA	New York Sand & Stone	53050486	26.80
15	10/31/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53050502	25.48
16	10/31/2018	MSB Excvation & Truck	56425PC	E1082	Lime ASTM #57	NYPA	New York Sand & Stone	53050504	26.28
17	10/31/2018	Hillwick	AS295B	E1300	Lime ASTM #57	NYPA	New York Sand & Stone	53050513	25.01
18	10/31/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53050522	25.35
19	10/31/2018	MSB Excvation & Truck	25411PC	E2775	Lime ASTM #57	NYPA	New York Sand & Stone	53050523	25.39
20	10/31/2018	Hillwick	AS295B	E1300	Lime ASTM #57	NYPA	New York Sand & Stone	53050536	24.93
21	10/31/2018	MSB Excvation & Truck	56425PC	E1082	Lime ASTM #57	NYPA	New York Sand & Stone	53050538	26.09
22	10/31/2018	Hillwick	AS205W	E1301	Lime ASTM #57	NYPA	New York Sand & Stone	53050542	26.80
23	10/31/2018	MSB Excvation & Truck	25411PC	E2775	Lime ASTM #57	NYPA	New York Sand & Stone	53050551	25.19
24	11/1/2018	Vincent Nicole Nobile	39086TR	E1120	Lime ASTM #57	NYPA	New York Sand & Stone	53050620	20.02
25	11/1/2018	Vincent Nicole Nobile	39113TR	E1121	Lime ASTM #57	NYPA	New York Sand & Stone	53050627	19.93
26	11/1/2018	Gravesend Materials	14395TC	E8663	Lime ASTM #57	NYPA	New York Sand & Stone	53050655	21.40
27	11/2/2018	Hillwick	AS295B	E1300	Lime ASTM #57	NYPA	New York Sand & Stone	53050745	25.39
28	11/2/2018	Hillwick	AT972M	E1329	Lime ASTM #57	NYPA	New York Sand & Stone	53050703	36.56
29	11/2/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53050746	24.86
30	11/2/2018	Hillwick	AT972M	E1329	Lime ASTM #57	NYPA	New York Sand & Stone	53050752	37.24
31	11/2/2018	Hillwick	AT973M	E1324	Lime ASTM #57	NYPA	New York Sand & Stone	53050763	26.45
32	11/2/2018	Hillwick	AT972M	E1329	Lime ASTM #57	NYPA	New York Sand & Stone	53050800	36.82
33	11/2/2018	Hillwick	AS295B	E1300	Lime ASTM #57	NYPA	New York Sand & Stone	53050765	24.97
34	11/2/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53050766	25.38
35	11/2/2018	Hillwick	AT973M	E1324	Lime ASTM #57	NYPA	New York Sand & Stone	53050799	26.95
36	11/2/2018	Hillwick	AT973M	E1324	Lime ASTM #57	NYPA	New York Sand & Stone	53050817	26.36
37	11/6/2018	Allia Materials	23312TC	E1451	Lime ASTM #57	NYPA	New York Sand & Stone	53051042	37.83
38	11/6/2018	Allia Materials	23405TC	E1453	Lime ASTM #57	NYPA	New York Sand & Stone	53051046	37.67
39	11/6/2018	Allia Materials	11259TC	E1452	Lime ASTM #57	NYPA	New York Sand & Stone	53051052	37.75
40	11/8/2018	Gravesend Materials	40577TR	E8660	Lime ASTM #57	NYPA	New York Sand & Stone	53051186	37.86
41	11/8/2018	Gravesend Materials	14395TC	E8663	Lime ASTM #57	NYPA	New York Sand & Stone	53051197	37.18
42	11/8/2018	Gravesend Materials	AT972M	E1329	Lime ASTM #57	NYPA	New York Sand & Stone	53051207	36.18
43	11/8/2018	Gravesend Materials	33789PC	E1322	Lime ASTM #57	NYPA	New York Sand & Stone	53051211	38.88
44	11/9/2018	Hackettstown Material	AS205W	E1301	Lime ASTM #57	NYPA	New York Sand & Stone	53051252	26.8
45	11/9/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53051272	26.06
46	11/9/2018	Hackettstown Material	AS205W	E1301	Lime ASTM #57	NYPA	New York Sand & Stone	53051295	26.56
47	11/9/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53051296	25.06
48	11/9/2018	Hillwick	AS339P	E1326	Lime ASTM #57	NYPA	New York Sand & Stone	53051324	25.27
49	11/9/2018	Hillwick	AS339P	E1326	Lime ASTM #57	NYPA	New York Sand & Stone	53051344	25.77
50	11/12/2018	Hackettstown Material	AS205W	E1301	Lime ASTM #57	NYPA	New York Sand & Stone	53051445	26.8
51	11/12/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53051457	24.75
52	11/12/2018	Hackettstown Material	AS205W	E1301	Lime ASTM #57	NYPA	New York Sand & Stone	53051488	26.8
53	11/12/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53051491	25.13
54	11/15/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53051783	26.50
55	11/15/2018	Valiant Contracting	AT209B	E6563	Lime ASTM #57	NYPA	New York Sand & Stone	53051812	25.39
56	11/15/2018	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53051820	25.16
57	11/15/2018	Valiant Contracting	AT208B	E6564	Lime ASTM #57	NYPA	New York Sand & Stone	53051827	25.23
58	11/19/2018	Vincent Nicole Nobile	39086TR	E1120	Lime ASTM #57	NYPA	New York Sand & Stone	53052021	39.37
59	11/19/2018	Hillwick	AS295B	E1300	Lime ASTM #57	NYPA	New York Sand & Stone	53052038	25.07
60	11/19/2018	Vincent Nicole Nobile	39113TR	E1121	Lime ASTM #57	NYPA	New York Sand & Stone	53052034	38.94
61	11/19/2018	Hillwick	AS295B	E1300	Lime ASTM #57	NYPA	New York Sand & Stone	53052051	26.25
62	11/19/2018	Hillwick	AS295B	E1300	Lime ASTM #57	NYPA	New York Sand & Stone	53052067	26.04
63	11/21/2018	West Coast Reclamation	22904TC	E5727	Lime ASTM #57	NYPA	New York Sand & Stone	53052241	34.06
64	11/21/2018	F & R Industries Inc	20928TR	E2800	Lime ASTM #57	NYPA	New York Sand & Stone	53052242	37.99
65	11/21/2018	F & R Industries Inc	E1534TR	E2841	Lime ASTM #57	NYPA	New York Sand & Stone	53052254	38.18
66	11/21/2018	F & R Industries Inc	20928TR	E2800	Lime ASTM #57	NYPA	New York Sand & Stone	53052271	37.82
67	11/21/2018	Gravesend Materials	40577TR	E8660	Lime Item 4	NYPA	New York Sand & Stone	53052273	39.84
68	11/21/2018	F & R Industries Inc	21534TR	E2841	Lime Item 4	NYPA	New York Sand & Stone	53052284	34.10
69	11/21/2018	Gravesend Materials	38675TR	E8661	Lime Item 4	NYPA	New York Sand & Stone	53052290	39.56
70	11/21/2018	Gravesend Materials	40577TR	E8660	Lime Item 4	NYPA	New York Sand & Stone	53052297	39.11
71	11/26/2018	Hackettstown Material	AS205W	E1301	Lime Item 4	NYPA	New York Sand & Stone	53052371	26.80
72	11/26/2018	Hillwick	AT907W	E1317	Lime Item 4	NYPA	New York Sand & Stone	53052395	25.53
73	11/26/2018	Hackettstown Material	AS205W	E1301	Lime Item 4	NYPA	New York Sand & Stone	53052396	26.80
74	11/26/2018	Hillwick	AS339P	E1326	Lime Item 4	NYPA	New York Sand & Stone	53052408	25.55
75	11/26/2018	Hillwick	AT907W	E1317	Lime Item 4	NYPA	New York Sand & Stone	53052410	25.19
76	11/26/2018	Hillwick	AT973M	E1324	Lime Item 4	NYPA	New York Sand & Stone	53052413	26.77
77	11/26/2018	Hillwick	AT528G	E1328	Lime Item 4	NYPA	New York Sand & Stone	53052414	40.13
78	11/26/2018	Hackettstown Material	AT490M	E1311	Lime Item 4	NYPA	New York Sand & Stone	53052415	40.03
79	11/26/2018	Hackettstown Material	AT493M	E1309	Lime Item 4	NYPA	New York Sand & Stone	53052419	39.50
80	11/26/2018	Hillwick	AT527G	E1362	Lime Item 4	NYPA	New York Sand & Stone	53052421	36.67
81	11/26/2018	Hillwick	AT907W	E1317	Lime Item 4	NYPA	New York Sand & Stone	53052424	25.69
82	11/26/2018	Hillwick	AT972M	E1329	Lime Item 4	NYPA	New York Sand & Stone	53052428	38.26
83	11/26/2018	Hillwick	AT973M	E1324	Lime Item 4	NYPA	New York Sand & Stone	53052430	26.74
84	11/28/2018	Hackettstown Material	AT492M	E1315	Lime ASTM #57	NYPA	New York Sand & Stone	53052564	37.40
85	11/28/2018	Hackettstown Material	AT490M	E1311	Lime ASTM #57	NYPA	New York Sand & Stone	53052572	39.98
86	11/28/2018	Hillwick	AT972M	E1329	Lime Item 4	NYPA	New York Sand & Stone	53052559	37.58
87	11/28/2018	Hackettstown Material	AT493M	E1309	Lime Item 4	NYPA	New York Sand & Stone	53052563	39.64
88	11/28/2018	Hillwick	AT495J	E1305	Lime Item 4	NYPA	New York Sand & Stone	53052568	38.27
89	11/28/2018	Gravesend Materials	37371TR	E8662	Lime Item 4	NYPA	New York Sand & Stone	53052575	37.61
90	11/28/2018	F & R Industries Inc	37098TR	E2810	Lime Item 4	NYPA	New York Sand & Stone	53052578	39.07
91	11/28/2018	F & R Industries Inc	21534TR	E2841	Lime Item 4	NYPA	New York Sand & Stone	53052581	34.34
92	11/28/2018	Hackettstown Material	33789PC	E1322	Lime Item 4	NYPA	New York Sand & Stone	53052584	38.99
93	11/28/2018	F & R Industries Inc	38953TR	E2801	Lime Item 4	NYPA	New York Sand & Stone	53052588	39.64
94	11/28/2018	Hackettstown Material	AT490M	E1311	Lime Item 4	NYPA	New York Sand & Stone	53052606	40.28
95	11/28/2018	F & R Industries Inc	21534TR	E2841	Lime Item 4	NYPA	New York Sand & Stone	53052614	36.74
96	11/29/2018	F & R Industries Inc	37098TR	E2810	Lime Item 4	NYPA	New York Sand & Stone	53052705	38.98
97	11/29/2018	Gravesend Materials	40577TR	E8660	Lime Item 4	NYPA	New York Sand & Stone	53052709	37.25
98	11/29/2018	F & R Industries Inc	20928TR	E2800	Lime Item 4	NYPA	New York Sand & Stone	53052716	38.82
99	11/29/2018	Gravesend Materials	37371TR	E8662	Lime Item 4	NYPA	New York Sand & Stone	53052719	36.96
100	11/29/2018	F & R Industries Inc	21534TR	E2841	Lime Item 4	NYPA	New York Sand & Stone	53052733	36.06
101	11/29/2018	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53052743	39.23
102	11/30/2018	Hackettstown Material	AT971J	E1318	Lime ASTM #57	NYPA	New York Sand & Stone	53052771	40.2
103	11/30/2018	Hackettstown Material	AT492M	E1315	Lime ASTM #57	NYPA	New York Sand & Stone	53052774	39.22
104	11/30/2018	Hillwick	AT972M	E1329	Lime Item 4	NYPA	New York Sand & Stone	53052752	38.76
105	11/30/2018	Hackettstown Material	AT493M	E1309	Lime Item 4	NYPA	New York Sand & Stone	53052755	39.64
106	11/30/2018	Hackettstown Material	AT490M	E1311	Lime Item 4	NYPA	New York Sand & Stone	53052772	40.2
107	11/30/2018	Hackettstown Material	33789PC	E1322	Lime Item 4	NYPA	New York Sand & Stone	53052780	39.52
108	11/30/2018	Hackettstown Material	AT493M	E1309	Lime Item 4	NYPA	New York Sand & Stone	53052794	39.64
109	11/30/2018	Gravesend Materials	40577TR	E8660	Lime Item 4	NYPA	New York Sand & Stone	53052806	37.54
110	12/3/2018	Gravesend Materials	37371TR	E8662	Lime ASTM #57	NYPA	New York Sand & Stone	53052908	38.59
111	12/3/2018	Hillwick	AT528G	E1328	Lime ASTM #57	NYPA	New York Sand & Stone	53052913	39.63
112	12/3/2018	Gravesend Materials	37371TR	E8662	Lime Item 4	NYPA	New York Sand & Stone	53052867	39.3
113	12/3/2018	F & R Industries Inc	20928TR	E2800	Lime Item 4	NYPA	New York Sand & Stone	53052870	38.18
114	12/3/2018	F & R Industries Inc	37098TR	E2810	Lime Item 4	NYPA	New York Sand & Stone	53052874	40.08

Table 4
Import Material Summary
Construction Completion Report

Silvercup West - NYPA
Long Island City, New York
BCP Site No.: C241109
Langan Project No.: 005635008

LOAD COUNTER	DATE	TRUCKING COMPANY	TRUCK LICENSE PLATE NUMBER	TRUCK No.	TYPE OF MATERIAL	Backfill Location	IMPORTER FACILITY	COUNTERSIGNED MANIFEST / WEIGHT TICKET NUMBER	AMOUNT IMPORTED ON-SITE (ton)
115	12/3/2018	F & R Industries Inc	21534TR	E2841	Lime Item 4	NYPA	New York Sand & Stone	53052884	37.19
116	12/3/2018	F & R Industries Inc	38953TR	E2801	Lime Item 4	NYPA	New York Sand & Stone	53052888	40.07
117	12/4/2018	DJM Transport NYC Co.	AU123M	E8593	ASTM #2 2.5"	NYPA	Eastern Concrete Materials, Inc.	50071267	24.96
118	12/4/2018	F & R Industries Inc	21534TR	E2841	Lime Item 4	NYPA	New York Sand & Stone	53052968	37.75
119	12/4/2018	F & R Industries Inc	37098TR	E2810	Lime Item 4	NYPA	New York Sand & Stone	53052973	39.16
120	12/4/2018	F & R Industries Inc	38953TR	E2801	Lime Item 4	NYPA	New York Sand & Stone	53052993	38.46
121	12/4/2018	Hillwick	AT972M	E1329	Lime Item 4	NYPA	New York Sand & Stone	53052996	38.52
122	12/5/2018	F & R Industries Inc	37098TR	E2810	Lime Item 4	NYPA	New York Sand & Stone	53053022	38.69
123	12/5/2018	F & R Industries Inc	21534TR	E2840	Lime Item 4	NYPA	New York Sand & Stone	53053021	36.35
124	12/5/2018	F & R Industries Inc	20928TR	E2800	Lime Item 4	NYPA	New York Sand & Stone	53053029	36.78
125	12/11/2018	Hackettstown Material	AT970M	E1312	Lime Item 4	NYPA	New York Sand & Stone	53053264	38.61
126	12/11/2018	Hackettstown Material	AT971J	E1318	Lime ASTM #57	NYPA	New York Sand & Stone	53053273	40.06
127	12/12/2018	Hackettstown Material	AT527G	E1362	Lime Item 4	NYPA	New York Sand & Stone	53053338	36.02
128	12/12/2018	Hackettstown Material	AT614M	E1304	Lime ASTM #57	NYPA	New York Sand & Stone	53053337	35.86
129	12/14/2018	Hackettstown Material	AT971J	E1318	Lime ASTM #57	NYPA	New York Sand & Stone	53053493	39.21
130	12/14/2018	Hackettstown Material	AT490M	E1311	Lime ASTM #57	NYPA	New York Sand & Stone	53053496	39.79
131	12/14/2018	F & R Industries Inc	38953TR	E2801	Lime ASTM #57	NYPA	New York Sand & Stone	53053502	38.89
132	12/14/2018	Gravesend Materials	38675TR	E8661	Lime ASTM #57	NYPA	New York Sand & Stone	53053522	37.69
133	12/14/2018	Gravesend Materials	40577TR	E8660	Lime ASTM #57	NYPA	New York Sand & Stone	53053530	37.62
134	12/14/2018	Gravesend Materials	38675TR	E8661	Lime ASTM #57	NYPA	New York Sand & Stone	53053570	37.4
135	12/14/2018	F & R Industries Inc	23611TC	~	Lime ASTM #57	NYPA	New York Sand & Stone	53053474	40.12
136	12/14/2018	F & R Industries Inc	38673TR	E2805	Lime Item 4	NYPA	New York Sand & Stone	53053480	40.02
137	12/14/2018	F & R Industries Inc	37098TR	E2810	Lime Item 4	NYPA	New York Sand & Stone	53053483	39.54
138	12/14/2018	Hackettstown Material	AT614M	E1304	Lime Item 4	NYPA	New York Sand & Stone	53053490	35.98
139	12/14/2018	F & R Industries Inc	21534TR	E2841	Lime Item 4	NYPA	New York Sand & Stone	53053492	37.56
140	12/14/2018	F & R Industries Inc	20928TR	E2800	Lime Item 4	NYPA	New York Sand & Stone	53053495	36.82
141	12/14/2018	Hillwick	AT527G	E1362	Lime Item 4	NYPA	New York Sand & Stone	53053500	36.31
142	12/14/2018	Hackettstown Material	AT492M	E1315	Lime Item 4	NYPA	New York Sand & Stone	53053504	38.84
143	12/14/2018	Gravesend Materials	40577TR	E8660	Lime Item 4	NYPA	New York Sand & Stone	53053556	37.47
144	12/18/2018	Hackettstown Material	33789PC	E1322	Lime ASTM #57	NYPA	New York Sand & Stone	53053716	39.46
145	12/18/2018	Hackettstown Material	AT614M	E1304	Lime ASTM #57	NYPA	New York Sand & Stone	53053722	35.82
146	12/18/2018	Hillwick	AT527G	E1362	Lime ASTM #57	NYPA	New York Sand & Stone	53053734	36.5
147	12/18/2018	Hackettstown Material	AT490M	E1311	Lime ASTM #57	NYPA	New York Sand & Stone	53053735	39.39
148	12/18/2018	Hillwick	AT528G	E1328	Lime ASTM #57	NYPA	New York Sand & Stone	53053736	39.93
149	12/20/2018	Hackettstown Material	AT614M	E1304	Lime ASTM #57	NYPA	New York Sand & Stone	53053874	35.59
150	12/20/2018	Hillwick	AT527G	E1362	Lime ASTM #57	NYPA	New York Sand & Stone	53053856	36.47
151	12/20/2018	Hackettstown Material	AT971J	E1318	Lime ASTM #57	NYPA	New York Sand & Stone	53053881	38.99
152	12/27/2018	Hackettstown Material	AT614M	E1304	Lime Item 4	NYPA	New York Sand & Stone	53053954	36.39
153	12/27/2018	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53053961	39.67
154	12/27/2018	Hackettstown Material	AT614M	E1304	Lime Item 4	NYPA	New York Sand & Stone	53053963	36.58
155	12/27/2018	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53053966	39.76
156	12/27/2018	Hackettstown Material	AT614M	E1304	Lime Item 4	NYPA	New York Sand & Stone	53053969	36.57
157	12/27/2018	Hackettstown Material	AT490M	E1311	Lime ASTM #57	NYPA	New York Sand & Stone	53053967	39.45
158	12/27/2018	Hackettstown Material	AT492M	E1315	Lime ASTM #57	NYPA	New York Sand & Stone	53053970	38.93
159	12/27/2018	Hackettstown Material	AT971J	E1318	Lime ASTM #57	NYPA	New York Sand & Stone	53053972	40.09
160	12/28/2018	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53053975	40.08
161	12/28/2018	Hackettstown Material	AT614M	E1304	Lime Item 4	NYPA	New York Sand & Stone	53053976	36.44
162	12/28/2018	Hackettstown Material	AT97OM	E1312	Lime Item 4	NYPA	New York Sand & Stone	53053977	38.51
163	12/28/2018	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53053979	39.33
164	12/28/2018	Hackettstown Material	AT614M	E1304	Lime Item 4	NYPA	New York Sand & Stone	53053980	36.44
165	12/28/2018	Hackettstown Material	AT970M	E1312	Lime Item 4	NYPA	New York Sand & Stone	53053981	39.21
166	12/31/2018	Hackettstown Material	AT970M	E1312	Lime Item 4	NYPA	New York Sand & Stone	53053988	38.49
167	12/31/2018	Hackettstown Material	AT614M	E1304	Lime Item 4	NYPA	New York Sand & Stone	53053989	36.53
168	12/31/2018	Hackettstown Material	AT970M	E1312	Lime Item 4	NYPA	New York Sand & Stone	53053995	38.71
169	12/31/2018	Hackettstown Material	AT614M	E1304	Lime Item 4	NYPA	New York Sand & Stone	53053996	36.58
170	12/31/2018	Hackettstown Material	AT970M	E1312	Lime Item 4	NYPA	New York Sand & Stone	53053998	38.9
171	12/31/2018	Hackettstown Material	AT614M	E1304	Lime Item 4	NYPA	New York Sand & Stone	53054000	36.26
172	1/2/2019	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53054007	39.89
173	1/2/2019	Hackettstown Material	AT970M	E1312	Lime Item 4	NYPA	New York Sand & Stone	53054017	39.21
174	1/2/2019	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53054020	39.75
175	1/2/2019	Hackettstown Material	AT970M	E1312	Lime Item 4	NYPA	New York Sand & Stone	53054021	39.17
176	1/2/2019	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53054029	40.03
177	1/2/2019	Hackettstown Material	AT970M	E1312	Lime Item 4	NYPA	New York Sand & Stone	53054030	39.2
178	1/2/2019	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53054032	39.95
179	1/3/2019	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53054048	39.11
180	1/3/2019	Hackettstown Material	AT970M	E1312	Lime Item 4	NYPA	New York Sand & Stone	53054049	37.97
181	1/3/2019	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53054063	38.51
182	1/3/2019	Hackettstown Material	AT970M	E1312	Lime Item 4	NYPA	New York Sand & Stone	53054065	38.04
183	1/3/2019	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53054068	39.18
184	1/3/2019	Hackettstown Material	AT970M	E1312	Lime Item 4	NYPA	New York Sand & Stone	53054069	37.81
185	1/3/2019	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53054071	38.83
186	1/3/2019	Hackettstown Material	AT970M	E1312	Lime Item 4	NYPA	New York Sand & Stone	53054072	38.33
187	1/4/2019	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53054085	40.66
188	1/4/2019	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53054099	40.79
189	1/4/2019	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53054108	40.35
190	1/4/2019	Hackettstown Material	AT971J	E1318	Lime Item 4	NYPA	New York Sand & Stone	53054120	39.74
191	2/15/2019	KMT Trucking LLC	AU51N	E6909	Lite Stone Fill 4-14	NYPA	Eastern Concrete Materials, Inc.	50077912	24.61
192	2/15/2019	KMT Trucking LLC	AT879Y	E6884	ASTM #2 2.5"	NYPA	Eastern Concrete Materials, Inc.	50077922	26.58
193	3/11/2019	Hillwick	AT907W	E1317	Lime ASTM #57	NYPA	New York Sand & Stone	53057201	25.59
194	3/18/2019	Hackettstown Material	AT490M	E1311	Lime ASTM #57	NYPA	New York Sand & Stone	53057740	40.02
195	3/28/2019	Hillwick	AU412T	49	Lime Item 4	NYPA	New York Sand & Stone	53058440	39.55
196	3/28/2019	Hillwick	AT972M	64	Lime Item 4	NYPA	New York Sand & Stone	53058492	38.86
197	4/1/2019	DiNapoli Materials	22974TC	~	Lime Item 4	NYPA	New York Sand & Stone	53058682	40.59
198	4/1/2019	F & R Industries Inc	20928TR	1	Lime Item 4	NYPA	New York Sand & Stone	53058683	39.11
199	4/1/2019	F & R Industries Inc	21534TR	5	Lime Item 4	NYPA	New York Sand & Stone	53058688	39.13
200	4/1/2019	Hackettstown Material	33789PC	~	Lime Item 4	NYPA	New York Sand & Stone	53058699	38.38
201	4/1/2019	Gravesend Materials	38675TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058676	38.70
202	4/1/2019	Gravesend Materials	37371TR	1	Lime Item 4	NYPA	New York Sand & Stone	53058728	39.38
203	4/1/2019	F & R Industries Inc	20928TR	1	Lime Item 4	NYPA	New York Sand & Stone	53058731	39.15
204	4/1/2019	Hillwick	AU158T	36	Lime Item 4	NYPA	New York Sand & Stone	53058740	40.24
205	4/1/2019	Hackettstown Material	AT492M	~	Lime Item 4	NYPA	New York Sand & Stone	53058748	38.78
206	4/1/2019	Hillwick	AU158T	36	Lime Item 4	NYPA	New York Sand & Stone	53058769	38.80
207	4/1/2019	Hillwick	AU160T	42	Lime Item 4	NYPA	New York Sand & Stone	53058767	40.24
208	4/2/2019	F & R Industries Inc	37098TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058785	40.30
209	4/2/2019	F & R Industries Inc	20928TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058799	38.84
210	4/2/2019	F & R Industries Inc	21534TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058802	39.41
211	4/2/2019	Gravesend Materials	40577TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058803	39.72
212	4/2/2019	F & R Industries Inc	37098TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058810	39.97
213	4/2/2019	F & R Industries Inc	38953TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058811	40.22
214	4/2/2019	DSM Trucking Inc	35739TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058830	40.18
215	4/2/2019	Gravesend Materials	38675TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058835	38.14
216	4/2/2019	DiNapoli Materials	22974TC	~	Lime Item 4	NYPA	New York Sand & Stone	53058847	40.11
217	4/2/2019	DiNapoli Materials	20671TC	~	Lime Item 4	NYPA	New York Sand & Stone	53058843	39.95
218	4/2/2019	F & R Industries Inc	28953TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058836	39.69
219	4/2/2019	DiNapoli Materials	11941TC	~	Lime Item 4	NYPA	New York Sand & Stone	53058846	39.46
220	4/2/2019	DSM Trucking Inc	35739TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058858	39.85
221	4/2/2019	DSM Trucking Inc	15219TC	~	Lime Item 4	NYPA	New York Sand & Stone	53058860	41.01
222	4/2/2019	DSM Trucking Inc	25457TC	~	Lime Item 4	NYPA	New York Sand & Stone	53058861	40.75
223	4/3/2019	F & R Industries Inc	20928TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058928	40.15
224	4/3/2019	Gravesend Materials	38675TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058924	37.16
225	4/3/2019	Gravesend Materials	40577TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058915	39.27
226	4/3/2019	F & R Industries Inc	38673TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058907	40.83
227	4/3/2019	Hillwick	AS295B	66	Lime Item 4	NYPA	New York Sand & Stone	53058939	26.22
228	4/3/2019	Gravesend Materials	40588TR	3	Lime Item 4	NYPA	New York Sand & Stone	53058948	39.14

Table 4
Import Material Summary
Construction Completion Report

Silvercup West - NYPA
Long Island City, New York
BCP Site No.: C241109
Langan Project No.: 005635008

LOAD COUNTER	DATE	TRUCKING COMPANY	TRUCK LICENSE PLATE NUMBER	TRUCK No.	TYPE OF MATERIAL	Backfill Location	IMPORTER FACILITY	COUNTERSIGNED MANIFEST / WEIGHT TICKET NUMBER	AMOUNT IMPORTED ON-SITE (ton)
229	4/3/2019	Hackettstown Material	AT971J	~	Lime Item 4	NYPA	New York Sand & Stone	53058950	40.89
230	4/3/2019	Gravesend Materials	38675TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058951	38.70
231	4/3/2019	F & R Industries Inc	38953TR	~	Lime Item 4	NYPA	New York Sand & Stone	53058980	40.57
232	4/3/2019	Auburn Industries	AU122P	6	Topsoil	NYPA	IRRC	88465	22.92
233	4/3/2019	Auburn Industries	AT691Y	5	Topsoil	NYPA	IRRC	88477	26.56
234	4/3/2019	Auburn Industries	AU123P	9	Topsoil	NYPA	IRRC	88482	26.55
235	4/3/2019	Auburn Industries	AU122P	6	Topsoil	NYPA	IRRC	88479	25.98
236	4/3/2019	Auburn Industries	AT691Y	5	Topsoil	NYPA	IRRC	88502	24.56
237	4/3/2019	Auburn Industries	AU123P	9	Topsoil	NYPA	IRRC	88508	23.44
238	4/3/2019	Auburn Industries	AU122P	6	Topsoil	NYPA	IRRC	88507	22.61
239	4/4/2019	Manolos Trucking	AT380H	14	Topsoil	NYPA	IRRC	88537	23.90
240	4/4/2019	Manolos Trucking	AR497D	6	Topsoil	NYPA	IRRC	88536	24.64
241	4/4/2019	Manolos Trucking	AT773S	15	Topsoil	NYPA	IRRC	88534	21.61
242	4/4/2019	Auburn Industries	AT691Y	5	Topsoil	NYPA	IRRC	88532	25.99
243	4/4/2019	Gravesend Materials	40577TR	~	Lime Item 4	NYPA	New York Sand & Stone	53059014	38.21
244	4/4/2019	Hackettstown Material	AS205W	~	Lime Item 4	NYPA	New York Sand & Stone	53059015	26.53
245	4/4/2019	Gravesend Materials	40577TR	~	Lime Item 4	NYPA	New York Sand & Stone	53059043	37.59
246	4/4/2019	Hillwick	AT907W	~	Lime Item 4	NYPA	New York Sand & Stone	53059077	25.52
247	4/4/2019	Gravesend Materials	38675TR	~	Lime Item 4	NYPA	New York Sand & Stone	53059055	39.04
248	4/4/2019	Gravesend Materials	38675TR	~	Lime Item 4	NYPA	New York Sand & Stone	53059076	39.62
249	4/5/2019	Hillwick	AT972M	~	Lime Item 4	NYPA	New York Sand & Stone	53059117	38.65
250	4/5/2019	Hillwick	AT490M	~	Lime Item 4	NYPA	New York Sand & Stone	53059136	39.96
251	4/5/2019	Hillwick	AT972M	~	Lime Item 4	NYPA	New York Sand & Stone	53059147	37.24
252	4/5/2019	Hackettstown Material	AT490M	~	Lime Item 4	NYPA	New York Sand & Stone	53059159	40.25
253	10/25/2019	KMT Trucking LLC	AU517N	E6909	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035558	25.22
254	10/25/2019	KMT Trucking LLC	AU948Z	E6917	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035559	26.05
255	10/25/2019	KMT Trucking LLC	AT879Y	E6884	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035560	26.61
256	10/25/2019	JCH Express LLC	AU815C	E2655	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035566	25.56
257	10/25/2019	KMT Trucking LLC	AU450X	E8823	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035589	25.24
258	10/25/2019	KMT Trucking LLC	T302936	E6921	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035600	25.22
259	10/28/2019	DJM Transport NYC Co.	AR175A	E2365	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035713	25.26
260	10/28/2019	DJM Transport NYC Co.	AT121B	E6853	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035714	25.63
261	10/28/2019	DJM Transport NYC Co.	AU276Y	E8567	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035717	24.35
262	10/28/2019	DJM Transport NYC Co.	AU987T	E8608	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035718	25.55
263	10/28/2019	DJM Transport NYC Co.	AW442G	E8651	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035721	25.56
264	10/28/2019	DJM Transport NYC Co.	AU277Y	E8644	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035722	24.80
265	10/28/2019	DJM Transport NYC Co.	AU106R	E8603	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035723	25.05
266	10/28/2019	DJM Transport NYC Co.	AU165G	E8574	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035724	23.93
267	10/28/2019	DJM Transport NYC Co.	AW816G	E8676	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035726	25.03
268	10/29/2019	DJM Transport NYC Co.	AU243W	E8615	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035788	25.36
269	10/29/2019	DJM Transport NYC Co.	AT644K	E8503	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035789	25.30
270	10/29/2019	DJM Transport NYC Co.	AU874R	E8605	Lime ASTM #8 3/8	NYPA	Eastern Concrete Materials, Inc.	58035790	25.54