DAILY FIELD REPORT 025

Prepared By: LANGAN

WEATHER	Snow		Rain	x	Overcast		Partly Cloudy	x	Sunny	x
TEMP.	< 32		32-50		50-70		70-85	x	>85	

BCP Project No:	C224304	**Date:**	August 9, 2021
Project Name:	45 Commercial Street	**Time:**	6:45 am to 4:00 pm

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth LLC (CE)

Langan Field Personnel:
Yaskira Mota Diaz
William Bohrer
TJ Malgieri
Shrinidhi Shetty

Work Activities Performed:

- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles in waste characterization grid COMP G. All piles were completed.
    - Pile #78 was driven to about 58 feet below grade surface (bgs) (elevation [el[1]] –46±).
    - Pile #120 was driven to about 60 feet bgs (el –48±).
    - Pile #80 was driven to about 58feet bgs (el –45.6±).
    - Pile #79 was driven to about 56 feet bgs (el –43.6±).
    - Pile #81 was driven to about 57 feet bgs (el–45.3 ±).
    - Pile #82 was driven to about 57 feet bgs (el –44.8±).
    - Pile #77 was driven to about 54 feet bgs (el –41.9±).
    - Pile #75 was driven to about 46 feet bgs (el –34.2±).
    - Pile #83 was driven to about 47 feet bgs (el –35±).
    - Pile #84 was driven to about 47 feet bgs (el –35±).
    - Pile #86 was driven to about 48 feet bgs (el –36.4±).
    - Pile #85 was driven to about 50 feet bgs (el –37.5±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles in waste characterization grid COMP H. All piles were completed.
    - Pile #43 was driven to about 57 feet bgs (el –45.2±).
    - Pile #42 was driven to about 55 feet bgs (el –43±).
    - Pile #44 was driven to about 58 feet bgs (el –46.1±).
    - Pile #33 was driven to about 64 feet bgs (el –52±).
    - Pile #32 was driven to about 63 feet bgs (el –51.5±).
    - Pile #31 was driven to about 62.8 feet bgs (el –51.3±).
    - Pile #34 was driven to about 66 feet bgs (el –44±).
    - Pile #35 was driven to about 66 feet bgs (el –44±).
    - Pile #30 was driven to about 62 feet bgs (el –50.5±).
- STNY excavated an about 65-foot-long by 15-foot-wide area in waste characterization grids COMP G (0-5), COMP D (0-5), and COMP J North (0-5) to 2 feet bgs for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1. The following additional excavations were completed in the above-described remedial excavation area:

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

  - A 6-foot-long by 5-foot-wide excavation in waste characterization grid COMP G (0-5) to a maximum depth of 3 feet bgs to install pile cap formwork. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1.
  - A 4-foot-long by 3-foot-wide excavation in waste characterization grid COMP G (0-5) to a maximum depth of 3 feet bgs around production pile #120 to facilitate pile installation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was temporarily stockpiled in waste characterization grid COMP G. After the pile was installed, the excavation was backfilled to grade with stockpiled soil that was previously excavated from that location.
  - A 16-foot-long by 7-foot-wide area to a maximum depth of 5 feet bgs in waste characterization grid COMP G (0-5) and COMP D (0-5) to install pile cap formwork. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1.
- STNY excavated a 10-foot-long by 9-foot-wide area to a maximum depth of 4 feet bgs in waste characterization grid COMP F (0-5) and COMP D (0-5) to install pile cap formwork. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1.
- STNY excavated an about 13-foot-long by 5-foot-wide area to about 4.5 feet bgs around production piles #34 and #35 in waste characterization grid COMP H (0-5) to facilitate pile installation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was temporarily stockpiled in waste characterization grid COMP H. After the pile was installed, the excavation was backfilled to grade with stockpiled soil that was previously excavated from that location.
- STNY excavated an about 8-foot-long by 7-foot-wide area to about 5 feet bgs around production pile #30 in waste characterization grid COMP H (0-5) to facilitate pile installation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled in waste characterization grid COMP H. After the pile was installed, the excavation was backfilled to grade with stockpiled soil that was previously excavated from that location.

Material Tracking:

- No soil/fill was exported from the site.
- No material was imported to the site.

Samples Collected:

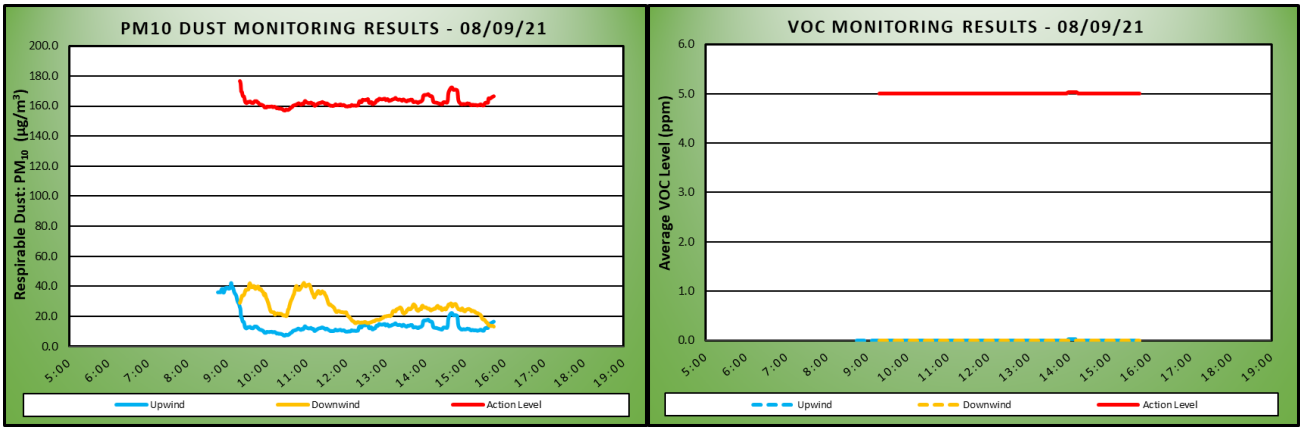
- Langan collected one documentation sample at 2 feet bgs in waste characterization grid COMP F. The documentation soil sample was submitted to Alpha Analytical Laboratories, Inc. for analysis of Part 375 volatile organic compounds (VOC), Part 375 semi-volatile organic compounds (SVOC) including 1,4-dioxane, polychlorinated biphenyls (PCB), pesticides/herbicides, target analyte list (TAL) metals including hexavalent and trivalent chromium, and per- and polyfluoroalkyl substances (PFAS).
  - EP20_4

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	36.2		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	14.9	25.9	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	42.4	42.3	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	4.8	11.5	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	99.5	67.5	Maximum 1-min Instant Reading	0.2	0.0

µg/m³-micrograms per cubic meter. ppm= parts per million.

Particulate and organic vapor data were not collected from the start of the workday until 8:30 due to equipment calibration issues. The equipment was replaced and data was collected for the remainder of the day. No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:



Planned Activities:

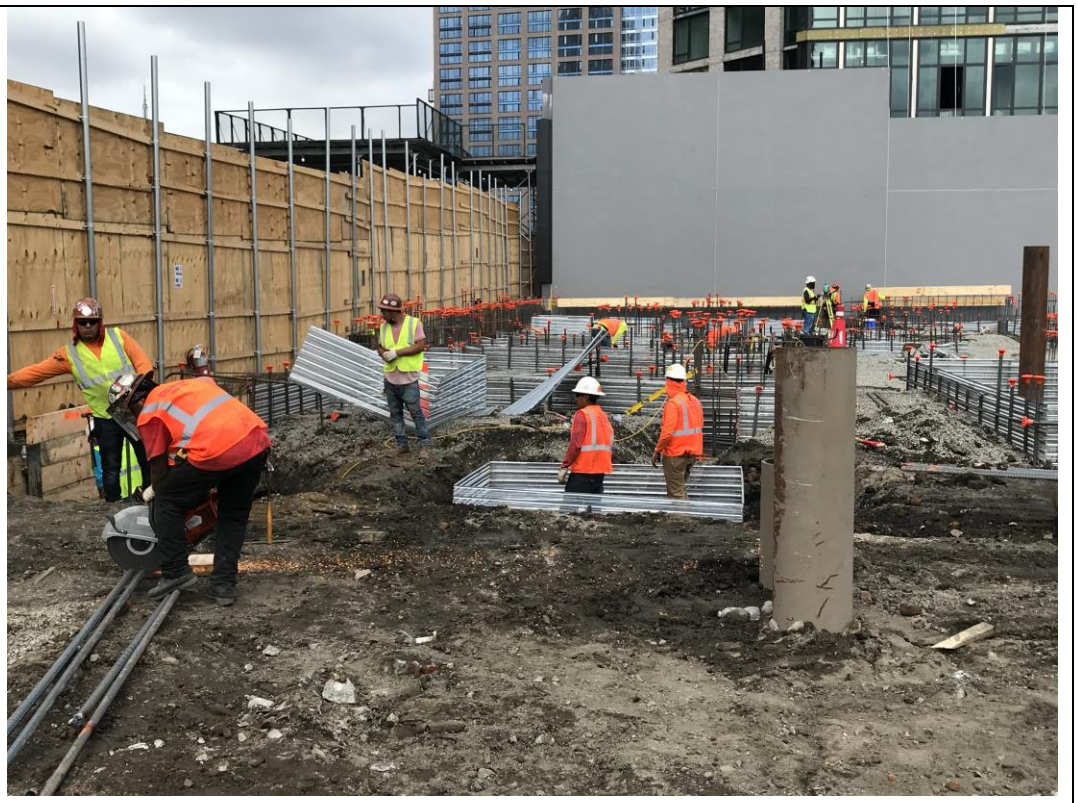
- STNY will continue to excavate in waste characterization COMP F (0-5).
- STNY will continue to backfill in waste characterization COMP E (0-5) and COMP F (0-5).
- STNY will continue production pile driving.
- STNY will excavate the LB17 and LB22 hazardous lead hotspots.

SITE PLAN

- **Site Boundary**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Asphalt and Concrete)**
- **Stockpile – Backfill**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Completed Pile**
- **Approximate Location of Documentation Sample**

Photo Log

Photo 1: View of STNY excavating for formwork installation in waste characterization grid COMP F (0-5) (facing north).	
Photo 2: View of excavation in waste characterization grid COMP G for Pile 120 installation (facing northwest).	

Photo 3: View of STNY installing formwork in waste characterization grid COMP F (facing north).	
Photo 4: View of temporary stockpile located in waste characterization grid COMP G, which was combined with Soil Stockpile 1 (facing northwest).	

File Name: 2021-08-09 Daily Field Report_025

DAILY FIELD REPORT 026

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	x
TEMP.	< 32		32-50		50-70		70-85	x	>85	

BCP Project No:	C224304	**Date:**	August 10, 2021
Project Name:	45 Commercial Street	**Time:**	6:45 am to 4:00 pm

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth LLC (CE)

Langan Field Personnel:
Caroline Grattan
Shrinidhi Shetty

Work Activities Performed:

- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP G. All piles were completed.
  - Pile #71 was driven to about 56 feet below grade surface (bgs) (elevation [el[1]] –44±).
  - Pile #72 was driven to about 55 feet bgs (el –43±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP H. All piles were completed.
  - Pile #45 was driven to about 63 bgs (el –51±).
  - Pile #46 was driven to about 63 feet bgs (el – 51±).
  - Pile #47 was driven to about 65 feet bgs (el– 52 ±).
  - Pile #48 was driven to about 65 feet bgs (el – 52±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP D. All piles were completed.
  - Pile #108 was driven to about 48 feet bgs (el –36±).
  - Pile #107 was driven to about 49 feet bgs (el –37±).
  - Pile #109 was driven to about 49 feet bgs (el –37±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP B. All piles were completed.
  - Pile #70 was driven to about 63 feet bgs (el –51 ±).
  - Pile #106 was driven to about 50 feet bgs (el –38±).
  - Pile #87 was driven to about 52 feet bgs (el –40±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP A. All piles were completed.
  - Pile #69 was driven to about 63 feet bgs (el –51±).
  - Pile #65 was driven to about 63 feet bgs (el –51±)
- STNY excavated an about 14-foot-long by 14-foot-wide area to about 5 feet bgs in the northeastern part of the site to excavate the LB17 hotspot. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was live loaded into three trucks for off-site disposal to the Clean Earth of North Jersey facility (CENJ) located in Kearney, New Jersey.
- STNY excavated an about 14-foot-long by 14-foot-wide area to about 9.5 feet bgs in the central part of the site to excavate the LB22 hotspot. Excavated material consisted of non-native soil and did not exhibit signs of chemical- or petroleum-like contamination; however, a layer of soil with apparent ash and slag was observed from about 6 feet bgs to 9.5 feet bgs (the groundwater table). Three trucks were live loaded with soil from the LB22 hotspot excavation for off-site disposal to CENJ. Remaining soil from the LB22 hotspot excavation was stockpiled on polyethylene sheeting in waste characterization grid COMP D and covered with polyethylene sheeting at the end of the day. Due to

the apparent ash/slag layer, sidewall samples were not collected and the contractor will overexcavate the hotspot sidewalls on 8/10/2021.

- STNY excavated an about 45-foot-long by 35-foot-wide area to about 2 feet bgs in waste characterization grid COMP C (0-5) for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1.
    - The following additional excavations were completed within the above-described excavation to install pile cap formwork. All excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1:
        - A 10-foot-long by 14-foot-wide excavation to a maximum depth of 5 feet bgs.
        - A 13-foot-long by 8-foot-wide excavation to a maximum depth of 5 feet bgs.
        - A 12-foot-long by 9-foot-wide excavation to a maximum depth of 5 feet bgs.
        - A 19-foot-long by 18-foot-wide excavation to a maximum depth of 5 feet bgs.
- STNY excavated an about 12-foot-long by 10-foot-wide area to about 8 feet bgs around production piles #69 and #70 in waste characterization grids COMP A (0-5) and COMP B (0-5) to facilitate pile installation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was temporarily stockpiled in two piles in waste characterization grid COMP A (one pile consisting of 0 to 5 feet bgs and one pile consisting of 5 to 8 feet bgs). After pile installation, the excavation was backfilled to grade with the soil stockpiles that were previously excavated from that location. The 5 to 8 feet bgs stockpile was used to backfill from 8 to 5 feet bgs, and the 0 to 5 foot bgs stockpile was used to backfill from 5 feet bgs to grade.
- STNY excavated an about 7-foot-long by 5-foot-wide area to about 3 feet bgs around production piles #47 and #48 in waste characterization grid COMP H (0-5) to facilitate pile installation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was temporarily stockpiled in waste characterization grid COMP H. After pile installation, the excavation was backfilled to grade with the soil stockpile that was previously excavated from that location.
- STNY backfilled an about 14-foot-long by 5-foot-wide area of the LB17 hotspot excavation in waste characterization grid COMP K with New York State Department of Environmental Conservation (NYSDEC)-approved 0.75-inch virgin stone from Tilcon – Mt. Hope Quarry to create an about 5-foot-long ramp, sloping up from 5 feet bgs to grade, to assist with pile cap formwork installation.

Material Tracking:

- The following soil/fill was exported from the site:
    - Six loads (approximately 120 cubic yards) of hazardous lead-impacted soil were transported to the Clean Earth of North Jersey facility (CENJ) located in Kearny, New Jersey.
- The following materials were imported to the site:
    - STNY imported 10 loads of 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry. The stone was placed as backfill in COMP C and stockpiled in waste characterization grids COMP K and J.

Samples Collected:

- Langan collected one documentation sample at 2 feet bgs in waste characterization grid COMP C. The documentation soil sample was submitted to Alpha Analytical Laboratories, Inc. for analysis of Part 375 volatile organic compounds (VOC), Part 375 semi-volatile organic compounds (SVOC) including 1,4-dioxane, polychlorinated biphenyls (PCB), pesticides/herbicides, target analyte list (TAL) metals including hexavalent and trivalent chromium, and per- and polyfluoroalkyl substances (PFAS).
    - EP05_2

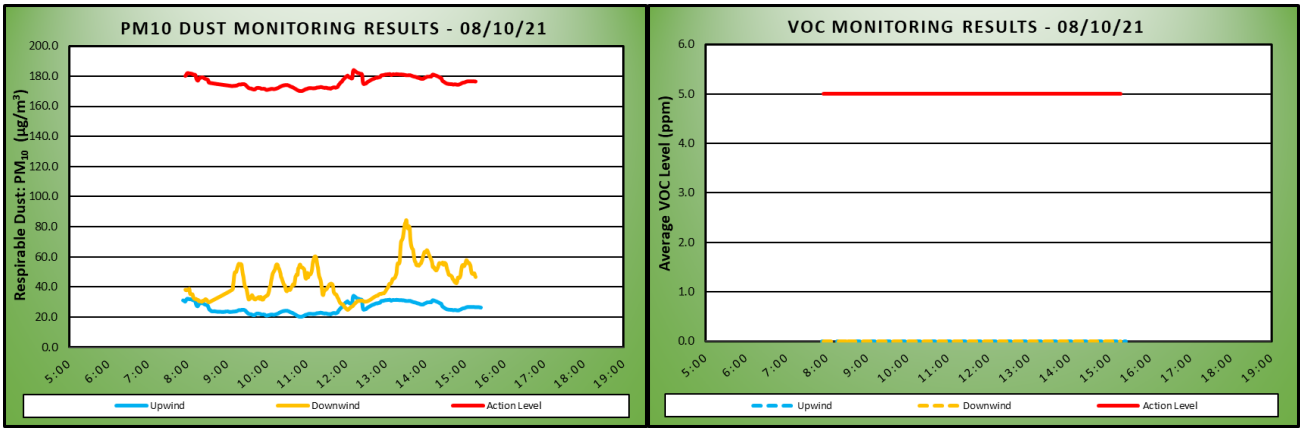
- Langan collected five hotspot endpoint soil samples from the LB17 hotspot excavation and one hotspot endpoint sample from the LB22 hotspot excavation. The hotspot excavation soil samples were submitted to Alpha Analytical Laboratories, Inc. (Alpha) for analysis of total lead (and held for toxicity characteristic leaching procedure [TCLP] lead).
    - LB17_EPB01_5 (base sample)
    - LB17_EPSW01_N_5 (north sidewall)
    - LB17_EPSW02_E_5 (east sidewall)
    - LB17_EPSW03_S_5 (south sidewall)
    - LB17_EPSW04_W_5 (west sidewall)
    - LB22_EPB01_9.5 (base sample)

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	31.0		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	26.1	43.6	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	34.0	84.2	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	19.0	21.8	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	94.0	159.0	Maximum 1-min Instant Reading	0.2	0.0

µg/m³-micrograms per cubic meter. ppm= parts per million.

Particulate and organic vapor data were not collected at the downwind station between 8:33 and 8:51 due to a temporary connection issue. No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:



Planned Activities:

- STNY will continue to excavate in waste characterization COMP C (0-5).
- STNY will continue to backfill in waste characterization COMP C (0-5), COMP E (0-5) and COMP F (0-5).
- STNY will continue production pile driving.
- STNY will continue excavating the LB22 hazardous lead hotspot.

SITE PLAN

- **Site Boundary**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Asphalt and Concrete)**
- **Stockpile – Backfill**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Completed Pile**
- **Approximate Location of Documentation Sample**
- **Approximate Location of Hotspot Endpoint Sample**

Photo Log

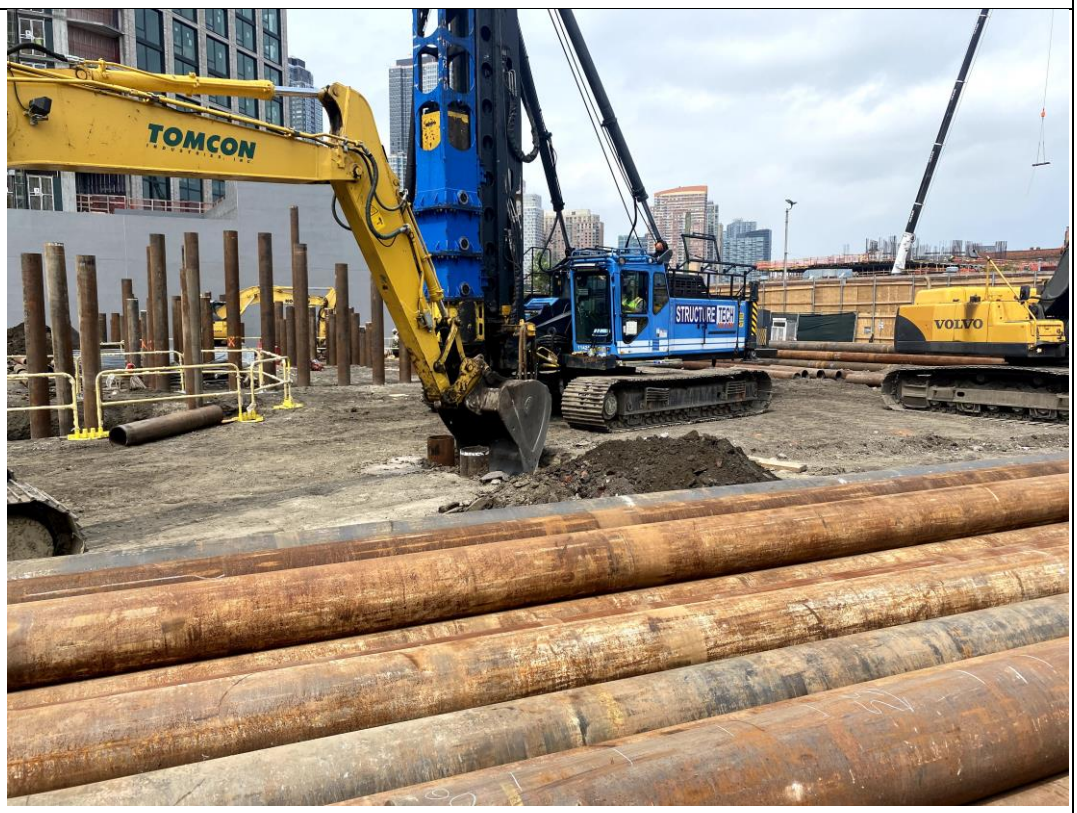
Photo 1: View of STNY excavating for formwork installation in waste characterization grid COMP C (0-5) (facing north).	
Photo 2: View of STNY excavating in waste characterization grids COMP A and B to facilitate pile installation (facing northeast).	

Photo 3: View of STNY excavating hazardous lead hotspot LB17 for export and off-site disposal (facing east).	
Photo 4: View of STNY excavating hazardous lead hotspot LB22 and live loading onto trucks for off-site disposal (facing east).	

File Name: 2021-08-10 Daily Field Report_026

DAILY FIELD REPORT 027

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	X
TEMP.	< 32		32-50		50-70		70-85	x	>85	X

BCP Project No:	C224304	**Date:**	August 11, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 4:00 pm

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth LLC (CE)

Langan Field Personnel:
Yaskira Mota
TJ Malgieri
Jeremy Moon
Karmen Chong

Work Activities Performed:

- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles in waste characterization grid COMP B. All piles were completed.
    - Pile #92 was driven to about 62 feet below grade surface (bgs) (elevation [el[1]–44±).
    - Pile #90 was driven to about 62 feet bgs (el –47.5±).
    - Pile #91 was driven to about 62 feet bgs (el –47.5±).
    - Pile #64 was driven to about 62 feet bgs (el –49.7±).
    - Pile #68 was driven to about 66 feet bgs (el –53.5±).
    - Pile #89 was driven to about 60 feet bgs (el –49.5±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles in waste characterization grid COMP A. All piles were completed.
    - Pile #63 was driven to about 62 feet bgs (el –49.9±).
    - Pile #67 was driven to about 66 feet bgs (el –53.5±).
    - Pile #62 was driven to about 55 feet bgs (el –42.7±).
    - Pile #60 was driven to about 58 feet bgs (el –45.5±).
    - Pile #61 was driven to about 57 feet bgs (el –44.5±).
    - Pile #59 was driven to about 61 feet bgs (el –48.8±).
    - Pile #58 was driven to about 61 feet bgs (el –49.2±).
    - Pile #16 was driven to about 53 feet bgs (el –40.7±).
- Trans City excavated an about 10-foot-long by 7-foot-wide excavation in waste characterization grid COMP G (0-5) to a maximum depth of 5 feet bgs to replace a previously installed stormwater utility pipe. Excavated material consisted of 0.75-inch virgin stone from Tilcon – Mt. Hope Quarry that was previously used to backfill the area, and non-native soil, that did not exhibit signs of chemical- or petroleum-like contamination. The non-native soil and 0.75-inch virgin stone were not comingled and stockpiled separately in waste characterization grid COMP G.
- STNY over excavated the 14-foot-long by 14-foot-wide LB22 hotspot excavation at the central part of the site to a final dimension of 18-feet-long and 18-feet-wide. Per discussions with the New York State Department of Environmental Conservation (NYSDEC), the contractor did not excavate the LB22 hotspot below the groundwater table (9.5 feet bgs). Excavated material consisted of non-native soil with apparent ash and slag and did not exhibit signs of chemical- or petroleum-like contamination. Three trucks were live loaded with soil from the LB22 hotspot for off-site disposal to the Clean Earth of North Jersey facility (CENJ) located in Kearny, New Jersey.
    - Following collection of hotspot endpoint samples, STNY placed a demarcation layer, consisting of orange snow fencing, at the base and up the sidewalls of the excavation.
    - STNY backfilled the LB22 hotspot excavation with NYSDEC-approved 0.75-inch virgin stone from Tilcon – Mt. Hope Quarry, from about 9.5 feet bgs to about 3 feet bgs.

- STNY excavated an about 35-foot-long by 20-foot-wide area in waste characterization grid COMP C (0-5) to about 2 feet bgs for the remedial excavation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1.
    - The following additional excavations were completed within the above-described remedial excavation to install pile cap formwork. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1.
        - Two about 14-foot-long by 12-foot-wide excavations to a maximum depth of 3.5 feet bgs.
        - A 14-foot-long by 9-foot-wide excavation to a maximum depth of 5 feet bgs.
- As a pre-requisite for site remediation, STNY removed an about 8-foot-long by 8-foot-wide area of asphalt and concrete surface cover in waste characterization grid COMP A in preparation for excavation and production pile driving. The asphalt and concrete was stockpiled in waste characterization grid COMP A or was live loaded onto trucks for off-site disposal.
- STNY removed an about 45-foot-long by 20-foot-wide area of asphalt and concrete surface cover in waste characterization grid COMP A in preparation for excavation and production pile driving. The asphalt and concrete was stockpile in waste characterization grid COMP A or was live loaded onto trucks for off-site disposal.
- STNY flattened/regraded two about 10-foot-long by 10-foot-wide areas in waste characterization grid COMP A, using soil stockpiles consisting of COMP A (5-6), COMP B (5-6) and COMP A (0-5), COMP K (0-5).
- STNY backfilled an about 45-foot-long by 35-foot-wide area in waste characterization grid COMP C from 2 feet bgs to grade with 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry.

Material Tracking:

- The following soil/fill was exported from the site:
    - Three loads (approximately 60 cubic yards) of hazardous lead-impacted soil were transported to the Clean Earth of North Jersey facility in Kearny, New Jersey.
    - One load (approximately 20 cubic yards) of construction and demolition (C&D) debris was transported to the PPark NJ, LLC facility located in Prospect Park, New Jersey.
- No material was imported to the site.

Samples Collected:

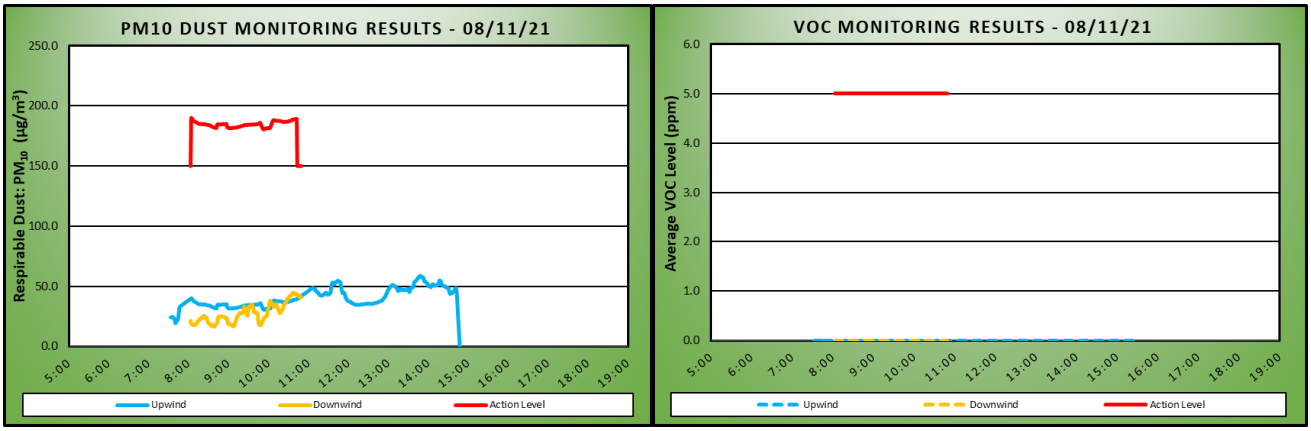
- Langan collected four endpoint soil samples from the LB22 hotspot excavation. The hotspot excavation soil samples were submitted to Alpha Analytical Laboratories, Inc. (Alpha) for analysis of total lead (and held for toxicity characteristic leaching procedure [TCLP] lead).
    - LB22_SW01_N_6 (north sidewall)
    - LB22_SW02_E_6 (east sidewall)
    - LB22_SW03_S_6 (south sidewall)
    - LB22_SW04_W_6 (west sidewall)
- Langan collected one documentation sample at 2 feet bgs in waste characterization grid COMP C. The documentation soil sample was submitted to Alpha Analytical Laboratories, Inc. for analysis of Part 375 volatile organic compounds (VOC), Part 375 semi-volatile organic compounds (SVOC) including 1,4-dioxane, polychlorinated biphenyls (PCB), pesticides/herbicides, target analyte list (TAL) metals including hexavalent and trivalent chromium, and per- and polyfluoroalkyl substances (PFAS).
    - EP04_2

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	30.9		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	30.5	28.0	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	59.1	44.8	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	0.0	9.3	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	95.0	90.8	Maximum 1-min Instant Reading	0.0	0.0

µg/m³-micrograms per cubic meter. ppm= parts per million.

Data was not collected from the downwind station from 10:51 to 15:17 due to a faulty battery connection. The connection is scheduled for repair during the next work day. No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:



Planned Activities:

- STNY will continue to excavate in waste characterization COMP C (0-5).
- STNY will continue to backfill in waste characterization COMP C (0-5), COMP E (0-5) and COMP F (0-5).
- STNY will continue production pile driving.
- STNY will backfill the LB22 hazardous lead hotspot.

File Name: 2021-08-10 Daily Field Report_026

SITE PLAN

- Site Boundary
- Upwind CAMP station
- Downwind CAMP station
- Stockpile – Soil
- Stockpile – C&D (Asphalt and Concrete)
- Stockpile – Backfill
- Approximate Location of Excavation
- Approximate Area of Backfilling
- Approximate Area of Regrading
- Approximate Area of Asphalt/Concrete Removal
- Approximate Location of Completed Pile
- Approximate Location of Documentation Sample
- Approximate Location of Documentation Sample

File Name: 2021-08-11 Daily Field Report_027

Photo Log

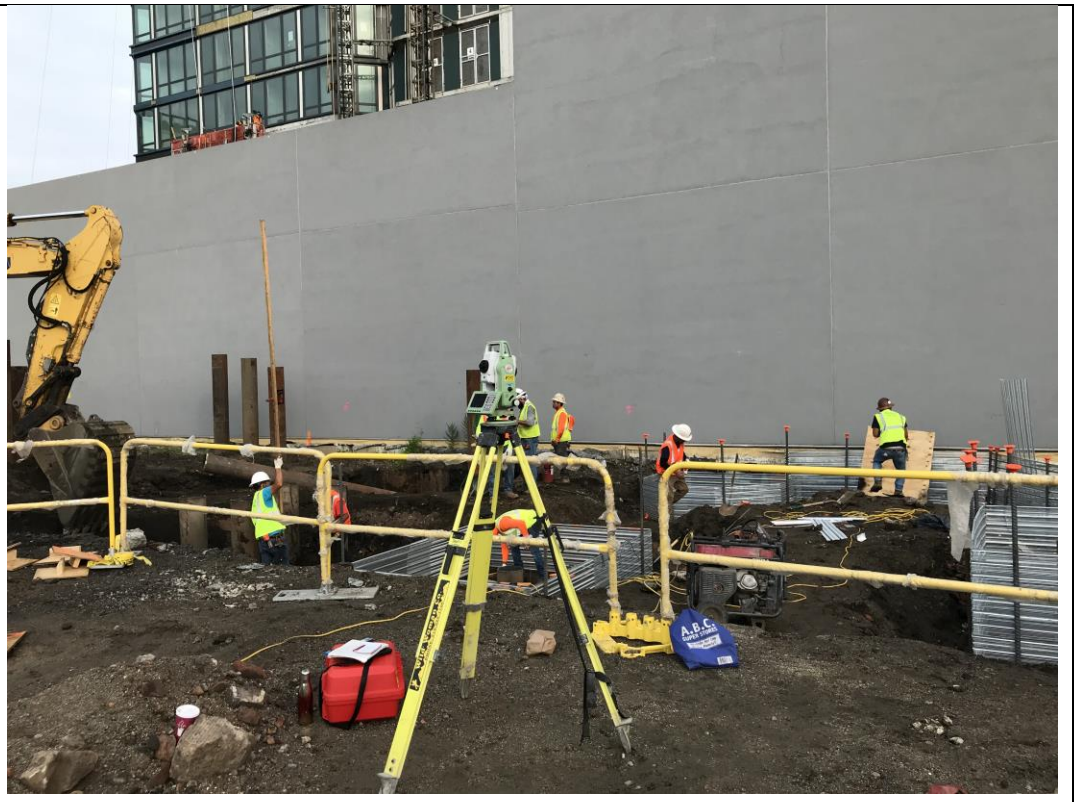
Photo 1: View of STNY excavating for formwork installation in waste characterization grid COMP C (0-5) (facing north).	
Photo 2: View of backfilled area in waste characterization grid COMP C (facing west).	

Photo 3: View of Trans City excavating in waste characterization grid COMP G (0-5) to replace the previously installed stormwater utility pipe (facing east).	
Photo 4: View of partially backfilled hotspot LB22 (facing west).	

DAILY FIELD REPORT 028

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	x
TEMP.	< 32		32-50		50-70		70-85	x	>85	X

BCP Project No:	C224304	**Date:**	August 12, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 3:45 pm

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth LLC (CE)

Langan Field Personnel:
Yaskira Mota
Shrinidhi Shetty

Work Activities Performed:

- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP A. All piles were completed.
  - Pile #17 was driven to about 57 feet below grade surface (bgs) (elevation [el [1]] –43.4±).
  - Pile #14 was driven to about 58 feet bgs (el –44.7±).
  - Pile #15 was driven to about 58 feet bgs (el –44.3±).
  - Pile #18 was driven to about 58 feet bgs (el –44.7±).
  - Pile #19 was driven to about 58 feet bgs (el –44.7±).
  - Pile #13 was driven to about 58 feet bgs (el –44±)
  - Pile #12 was driven to about 58 feet bgs (el –44.4±).
  - Pile #20 was driven to about 56 feet bgs (el –42.3±).
  - Pile #56 was driven to about 58 feet bgs (el –44.2±).
  - Pile #54B was driven to about 59 feet bgs (el –45±).
  - Pile #54A was driven to about 59 feet bgs (el –45.5±).
  - Pile #55 was driven to about 58 feet bgs (el –44.5±).
  - Pile #54 was driven to about 59 feet bgs (el –45.4±).
  - Pile #57 was driven to about 58 feet bgs (el –44.9±)
  - Pile #53 was driven to about 59 feet bgs (el –45.6±).
  - Pile #11 was driven to about 57 feet bgs (el –44±).
  - Pile #10 was driven to about 57 feet bgs (el –44±).
  - Pile #23 was driven to about 59 feet bgs (el –45.7±).
  - Pile #22 was driven to about 60 feet bgs (el –46.8±).
  - Pile #52 was driven to about 60 feet bgs (el –46.5±).
  - Pile #50 was driven to about 65 feet bgs (el –52±).
- STNY excavated an about 7-foot-long by 5-foot-wide area in waste characterization grid COMP B (0-5) to about 3 feet bgs to locate four production piles. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was temporarily stockpiled in waste characterization grid COMP B. The piles could not be located and the excavation was backfilled to grade with the soil stockpile that was previously excavated from that location.
- STNY backfilled the about 18-foot-long by 18-foot-wide LB22 hotspot excavation at the central part of the site with New York State Department of Environmental Conservation (NYSDEC)-approved 0.75-inch virgin stone from Tilcon – Mt. Hope Quarry from about 3 feet bgs to grade.
- STNY excavated an about 5-foot-long by 4-foot-wide area in waste characterization grid COMP A (0-5) to a maximum depth of 3 feet bgs around production pile #50 to facilitate pile installation. Excavated

material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was temporarily stockpiled in waste characterization grid COMP A. After the pile was installed, the excavation was backfilled to grade with stockpiled soil that was previously excavated from that location.

Material Tracking:

- The following soil/fill was exported from the site:
    - STNY exported four loads of C&D debris, stockpiled in waste characterization grid COMP A to the PPark NJ, LLC facility located in Prospect Park, New Jersey
- The following materials were imported to the site:
    - STNY imported 3 loads of 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry. The stone was used to backfill the LB22 hotspot excavation or was stockpiled in waste characterization grid COMP J South.

Samples Collected:

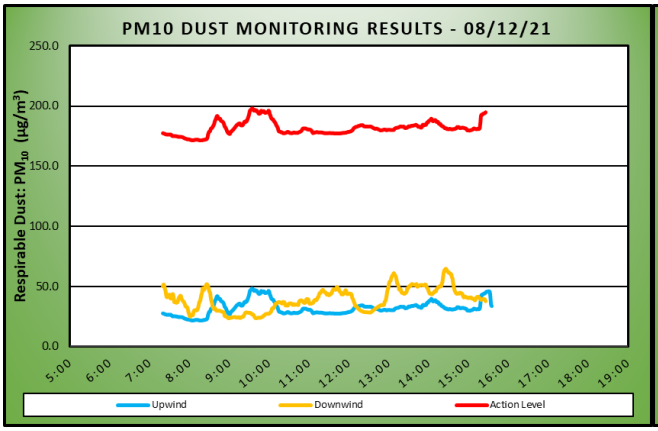
- No samples were collected

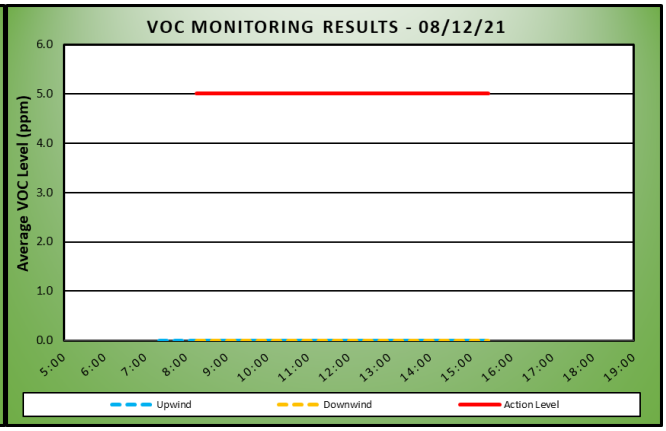
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	38.7		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	32.0	39.1	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	48.3	64.6	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	20.0	19.8	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	123.3	113.4	Maximum 1-min Instant Reading	0.0	0.0

µg/m³-micrograms per cubic meter. ppm= parts per million.

No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:





Planned Activities:

- STNY will continue to excavate in waste characterization grid COMP C (0-5).
- STNY will continue to backfill in waste characterization grids COMP C (0-5), COMP E (0-5) and COMP F (0-5).
- STNY will continue production pile driving.

File Name: 2021-08-12 Daily Field Report_028

SITE PLAN

- **Site Boundary**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Asphalt and Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Completed Pile**
- **Approximate Location of Documentation Sample**
- **Approximate Location of Documentation Sample**

Photo Log

Photo 1: View of STNY backfilling the LB22 hotspot in the central part of the site (facing southwest).	
Photo 2: View of STNY driving piles in COMP A (facing west).	

File Name: 2021-08-12 Daily Field Report_028

Photo 3: View of STNY excavating in waste characterization grid COMP B to locate piles (facing east).	
Photo 4: View of STNY excavating around production pile #50 to facilitate pile installation (facing south).	

File Name: 2021-08-12 Daily Field Report_028

DAILY FIELD REPORT 029

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	X
TEMP.	< 32		32-50		50-70		70-85	x	>85	X

BCP Project No:	C224304	**Date:**	August 13, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 2:45 pm

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth LLC (CE)

Langan Field Personnel:
Yaskira Mota
Shrinidhi Shetty

Work Activities Performed:

- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles in waste characterization grid COMP H. All piles were completed.
    - Pile #8 was driven to about 65 feet below grade surface (bgs) (elevation [el[1]] –52.3±).
    - Pile #9 was driven to about 64 feet bgs (el –51.3±).
    - Pile #36 was driven to about 66 feet bgs (el –53.4±).
    - Pile #28 was driven to about 64 feet bgs (el –51.5±).
    - Pile #29 was driven to about 63 feet bgs (el –50.9±).
    - Pile #24 was driven to about 63 feet bgs (el –50±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles in waste characterization grid COMP G. All piles were completed.
    - Pile #73 was driven to about 50 feet bgs (el –37.5±).
    - Pile #74 was driven to about 51 feet bgs (el –38.5±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles in waste characterization grid COMP B All piles were completed.
    - Pile #153 was driven to about 52 feet bgs (el –40±).
    - Pile #151 was driven to about 53 feet bgs (el –40.7±).
    - Pile #154 was driven to about 53 feet bgs (el –40.5±).
    - Pile #152 was driven to about 53 feet bgs (el –40.5±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles in waste characterization grid COMP D All piles were completed.
    - Pile #211 was driven to about 51 feet bgs (el –39±).
    - Pile #212 was driven to about 53 feet bgs (el –41.2±).
    - Pile #99 was driven to about 53 feet bgs (el –39.5±).
    - Pile #100 was driven to about 52 feet bgs (el –38.5±).
    - Pile #101 was driven to about 53 feet bgs (el –39.7±).
    - Pile #98 was driven to about 54 feet bgs (el –40.5±).
- STNY excavated an about 3-foot-long by 3-foot-wide area to about 3 feet bgs to locate production piles in waste characterization grid COMP A (0-5). Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was temporarily stockpiled in waste characterization grid COMP A. After the piles were located, the excavation was backfilled to grade with the soil stockpile that was previously excavated from that location.
- STNY backfilled an about 35-foot-long by 20-foot-wide area in waste characterization grid COMP C from 2 feet bgs to 1 feet bgs with 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry.

Material Tracking:

- No soil/fill was exported from the site.
- No material was imported to the site.

Samples Collected:

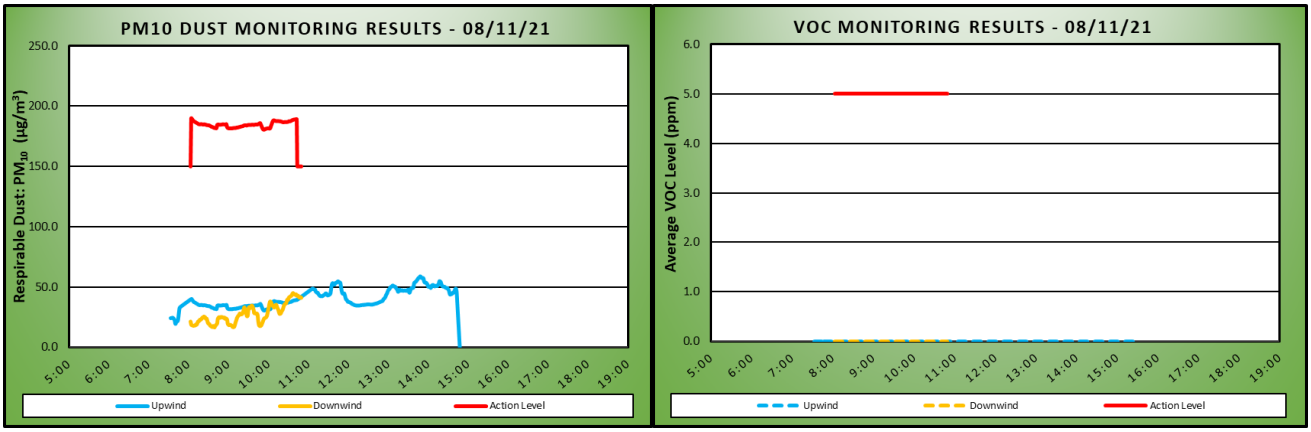
- No samples were collected.

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	16		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	26.3	30.5	Daily Time Weighted Average	0.1	0.0
Maximum 15-min Average	56.5	55.6	Maximum 15-min Average	0.4	0.0
Minimum 1-min Instant Reading	5.5	9.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	269.0	160.0	Maximum 1-min Instant Reading	0.5	0.0

µg/m³-micrograms per cubic meter. ppm= parts per million.

Data was not collected from the downwind station from 13:20 until the end of the work day due to overheated equipment. No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:



Planned Activities:

- STNY will continue to excavate in waste characterization COMP C (0-5).
- STNY will continue to backfill in waste characterization grids COMP C, COMP E and COMP F.
- STNY will continue production pile driving.
- STNY will excavate the LB18 hazardous lead hotspot.
- STNY will begin exporting soil for off-site disposal.

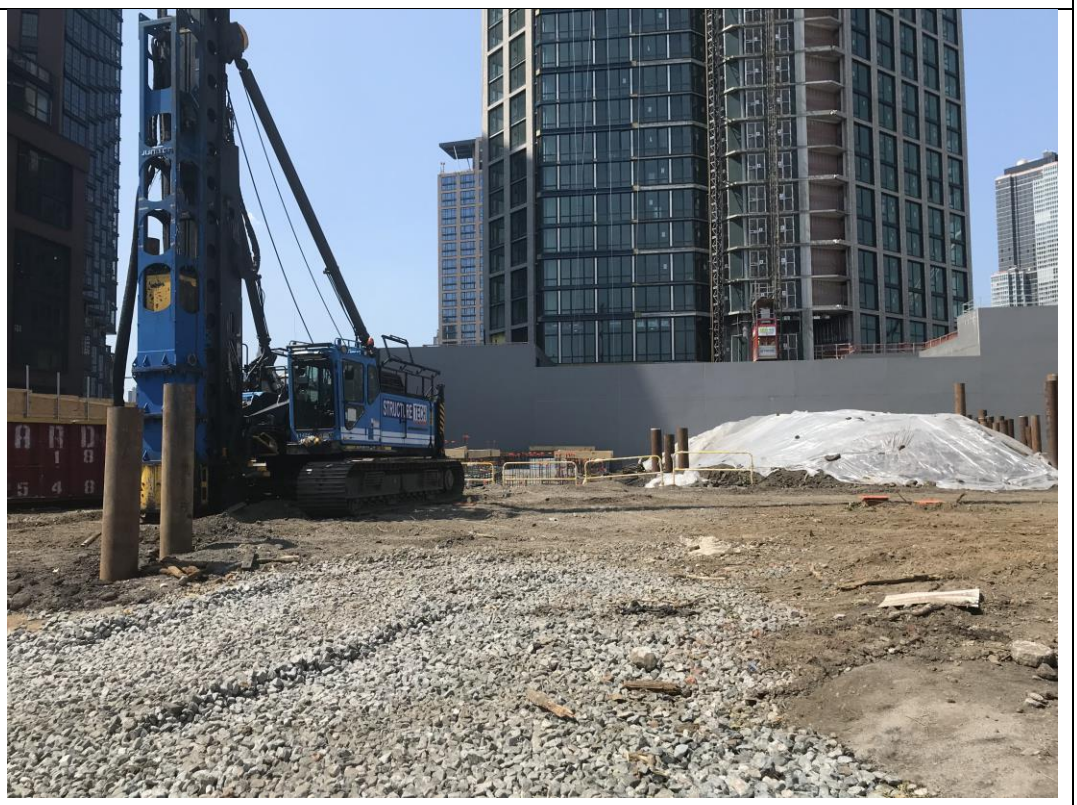
File Name: 2021-08-13 Daily Field Report_029

SITE PLAN

- **Site Boundary**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Asphalt and Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Completed Pile**
- **Approximate Location of Documentation Sample**
- **Approximate Location of Documentation Sample**

Photo Log

Photo 1: View of STNY backfilling waste characterization grd COMP C with 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry (facing north).	
Photo 2: View of STNY preparing soil Stockpile 1 for off-site disposal (facing north).	

Photo 3: View of STNY backfilling the LB22 hotspot at the central part of the site with 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry (facing west).	
Photo 4: View of covered soil Stockpile 1 at the end of the work day (facing north).	

File Name: 2021-08-13 Daily Field Report_029