Curley, Ruth E (DEC)

From: Tyler Goodnough <tgoodnough@langan.com>
Sent: Tuesday, August 24, 2021 9:56 AM
To: Curley, Ruth E (DEC)
Cc: O'Neil, Eamonn M (HEALTH); Greg Wyka; Tyler Goodnough; Yaskira Mota diaz; TJ Malgieri
Subject: 45 Commercial Street (C224304) - Remedial Action - Daily Field Report

Hi Ruth,

No ground intrusive work was performed at 45 Commercial Street (C224304) yesterday, August 23rd.

Thanks,

Tyler Goodnough
Senior Staff Scientist

LANGAN

Direct: 212.479.5499 x5712
Mobile: 917.922.1697
File Sharing Link

Phone: 212.479.5400 Fax: 212.479.5444
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-2727
www.langan.com

NEW YORK NEW JERSEY CONNECTICUT MASSACHUSETTS PENNSYLVANIA WASHINGTON, DC VIRGINIA OHIO ILLINOIS FLORIDA TEXAS ARIZONA COLORADO WASHINGTON CALIFORNIA ATHENS CALGARY DUBAI LONDON PANAMA

DAILY FIELD REPORT 035

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	August 24, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 5:45 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 Diaz
Shrinidhi Shetty

Work Activities Performed:

- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles in waste characterization grid COMP K. All piles were completed.
    - Pile #M1 was driven to about 58 feet below grade surface (bgs) (elevation [el[1]] —45.4±).
    - Pile #M2 was driven to about 58 feet bgs (el –45.4±).
    - Pile #M3 was driven to about 60 feet bgs (el –47.5±).
    - Pile #M4 was driven to about 61 feet bgs (el –48±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles in waste characterization grid COMP C. All piles were completed.
    - Pile #196B was driven to about 53 feet bgs (el –39.6±).
- STNY excavated an about 87-foot-long by 21-foot-wide area to 2 feet bgs (from original site grade) in waste characterization grid COMP K (0-2) for the remedial excavation. 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 K or live loaded into trucks for off-site disposal to the Clean Earth of Bethlehem facility (CEPA) located in Bethlehem, Pennsylvania.
    - STNY placed a demarcation layer consisting of orange snow fencing at the base and up the sidewalls of the remedial excavation area.
- STNY excavated an about 20-foot-long by 18-foot-wide area to 1 foot bgs (from original site grade) in waste characterization grid COMP H (0-5) in preparation of pile driving. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to Soil Stockpile 1 or was used to temporarily regrade an about 64-foot-long by 34-foot-wide area in COMP H. Temporarily backfilled material will be removed and disposed of at a later date.
- STNY backfilled the following areas with New York State Department of Environmental Conservation (NYSDEC)-approved 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry.
    - An about 25-foot-long by 12-foot-wide area from about 2 feet bgs (from original site grade) to 1 foot bgs in waste characterization grid COMP G.
    - An about 25-foot-long by 18-foot-wide area from about 2 feet bgs (from original site grade) to 1 foot bgs in waste characterization grid COMP G.
    - An about 23-foot-long by 20-foot-wide area from about 5 feet bgs (from original site grade) to 2 feet bgs in waste characterization grid COMP A.
- STNY regraded/flattened the following areas with NYSDEC-approved 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry to allow for vehicle travel.
    - An about 26-foot-long by 23-foot-wide area in waste characterization grid COMP J South.
    - An about 38-foot-long by 30-foot-wide area in waste characterization grids COMP J South and COMP B.

Material Tracking:

- The following soil/fill was exported from the site:
  - 5 loads of non-native soil were transported to the CEPA facility located in Bethlehem, Pennsylvania.
- The following materials were imported to the site:
  - STNY imported 8 loads of 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry. The stone was stockpiled in waste characterization grids COMP G, COMP A, COMP K and COMP J South and used to backfill areas in waste characterization grids COMP A, COMP B, COMP G, and COMP J South.

Samples Collected:

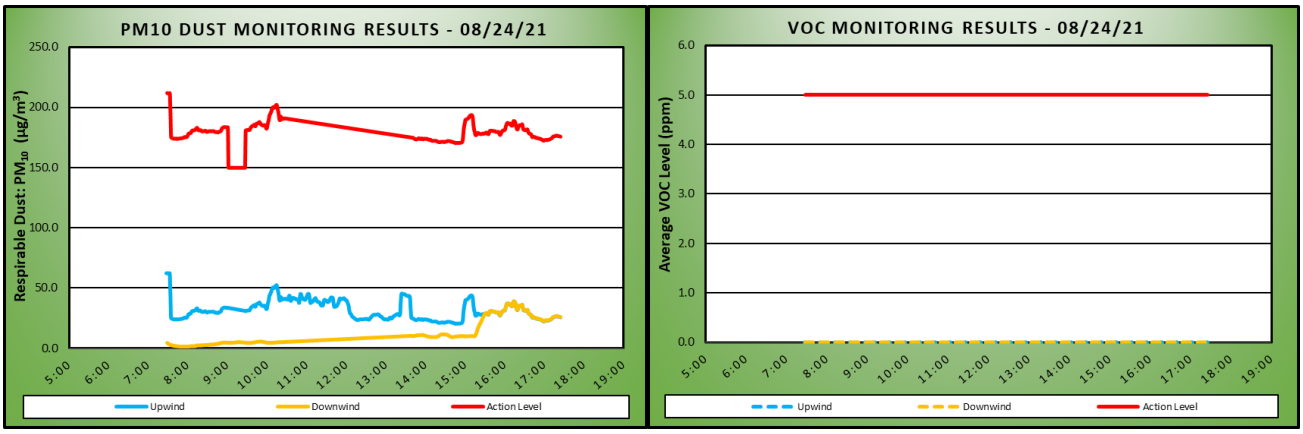
- Langan collected three documentation samples at 2 feet bgs in waste characterization grid COMP K. The documentation soil samples were submitted to Alpha Analytical Laboratories, Inc. for analysis of Part 375 volatile organic compounds (VOC), Part 375 semi-volatile organic compounds (SVOC) including 1,4-dioxane, polychlorinated biphenyls (PCB), pesticides/herbicides, target analyte list (TAL) metals including hexavalent and trivalent chromium, and per- and polyfluoroalkyl substances (PFAS).
  - EP06_2
  - EP12_2
  - EP18_2

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	33.2		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	32.0	13.0	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	62.0	38.9	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	18.5	1.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	329.0	67.5	Maximum 1-min Instant Reading	0.0	0.0

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

Data was not collected at the upwind station from 9:02 until 9:13 due to station being relocated. Data was not collected from the downwind station from 10:28 until 13:25 due to connectivity issues. The equipment manufacturer was contacted and will send a technician to evaluate the 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 grids COMP B (0-5), COMP A (0-5), COMP H (0-5) and COMP K (0-2).
- STNY will continue to backfill in waste characterization grids COMP C (0-5), COMP E (0-5), COMP F (0-5), COMP G (0-5), COMP A (0-5) and COMP K (0-2).
- STNY will continue production pile driving.
- STNY will continue to export stockpiled soil to Clean Earth of Bethlehem, located in Bethlehem Pennsylvania.

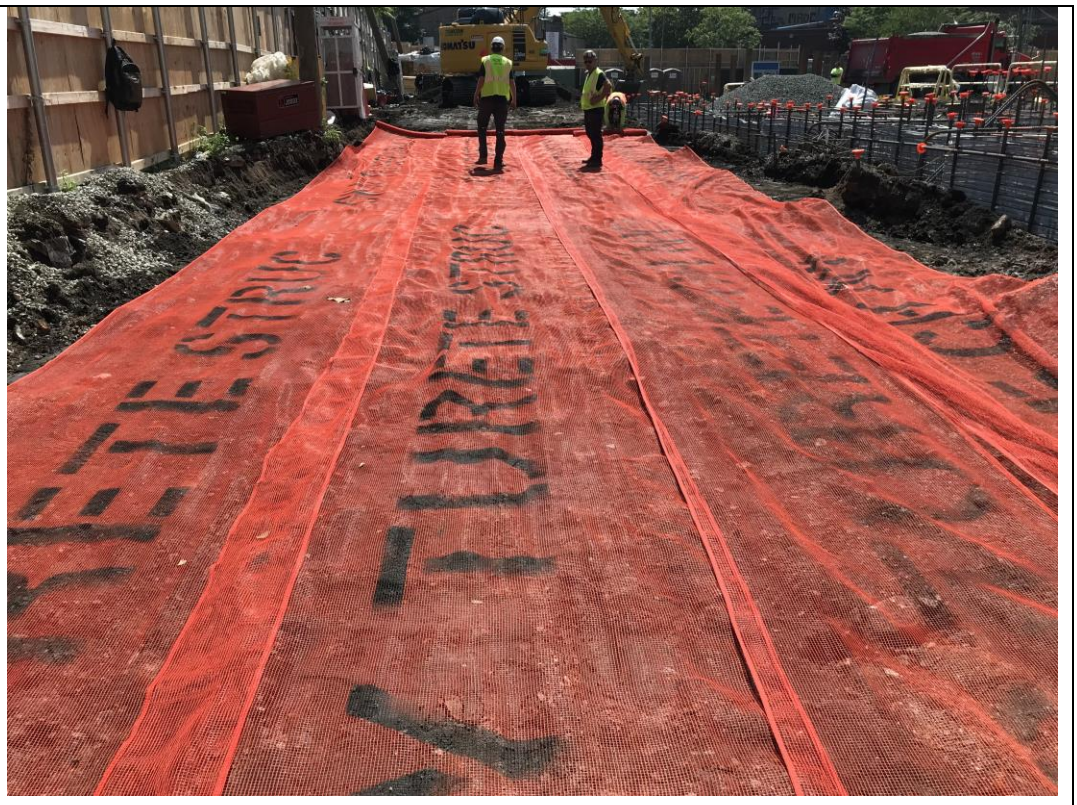
SITE PLAN

- 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 Endpoint Sample

Photo Log

Photo 1: View of STNY excavating in waste characterization grid COMP K (0-2) for the remedial excavation (facing north).	
Photo 2: View of STNY regrading in waste characterization grid COMP H (0-5) (facing north).	

File Name: 2021-08-24 Daily Field Report_035

Photo 3: View of STNY placing the demarcation layer at 2 feet bgs in waste characterization grid COMP K (0-2) (facing south).	
Photo 4: View of graded areas in COMP B (0-5), COMP J South (0-2) and COMP A (0-5) (facing west).	

File Name: 2021-08-24 Daily Field Report_035

DAILY FIELD REPORT 036

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	August 25, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 6:00 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
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. Pile #2 was not completed.
    - Pile #41 was driven to about 68 feet below grade surface (bgs) (elevation [el[1]] —57.2±).
    - Pile #1 was driven to about 70 feet bgs (el –58.2±).
    - Pile #40 was driven to about 68 feet bgs (el –58.2±).
    - Pile #2 was driven to about 70 feet bgs (el –59±).
    - Pile #38 was driven to about 65 feet bgs (el –54.3±).
    - Pile #39 was driven to about 64 feet bgs (el –53±).
    - Pile #4 was driven to about 67.9 feet bgs (el –56.9±).
    - Pile #5 was driven to about 58 feet bgs (el –56.9±).
    - Pile #37 was driven to about 64 feet bgs (el –52.4±).
    - Pile #7 was driven to about 66 feet bgs (el –55±).
    - Pile #6 was driven to about 66 feet bgs (el –54.8±).
    - Pile #25 was driven to about 65 feet bgs (el –53.8±).
    - Pile #P26 was driven to about 65.6 feet bgs (el –54.6±).
- STNY excavated the following areas of the site. Excavated material consisted of non-native soil and did not exhibit signs of chemical- or petroleum-like contamination.
    - An about 4-foot-long by 4-foot-wide area to about 2 feet bgs (about 3 feet below original site grade) around production pile #2 in waste characterization grid COMP H (0-5) to facilitate pile installation. Excavated material was temporarily stockpiled adjacent to the excavation in waste characterization grid COMP H. After the pile was installed, the excavation was backfilled to about 1 foot below original site grade with soil that was previously excavated from that location.
    - An about 5-foot-long by 5-foot-wide area to about 2 feet bgs (about 4 feet below original site grade) around production piles in waste characterization grid COMP B (0-5) to cut excess piles above grade. Excavated material was temporarily stockpiled adjacent to the excavation in waste characterization COMP B. After the piles were cut, the excavation was backfilled to about 2 feet below original site grade with soil that was previously excavated from that location.
    - An about 22-foot-long by 5-foot-wide area to 1 foot bgs (from original site grade) in waste characterization grid COMP K (0-2) in preparation for placement of a new construction trailer. Excavated material was added to Soil Stockpile 1.

- STNY backfilled the following areas of the site with NYSDEC-approved 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry to allow for vehicle travel.
    - An about 87-foot-long by 21-foot-wide area in waste characterization grid COMP K from about 2 feet bgs (from original site grade) to 1 foot bgs.
    - An about 29-foot-long by 20-foot-wide area in waste characterization grid COMP G from about 1 foot bgs (from original site grade) to 0.5-foot bgs.
    - An about 26-foot-long by 19-foot-wide area in waste characterization grid COMP J South from about 1 foot bgs (from original site grade) to 0.5-foot bgs.
- STNY relocated the stockpile consisting of COMP K (0-2) from waste characterization grid COMP K and combined it with Soil Stockpile 1.
- STNY poured concrete for pile caps and grade beams in waste characterization grids COMP E, COMP F, COMP G and COMP D.

Material Tracking:

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

Samples Collected:

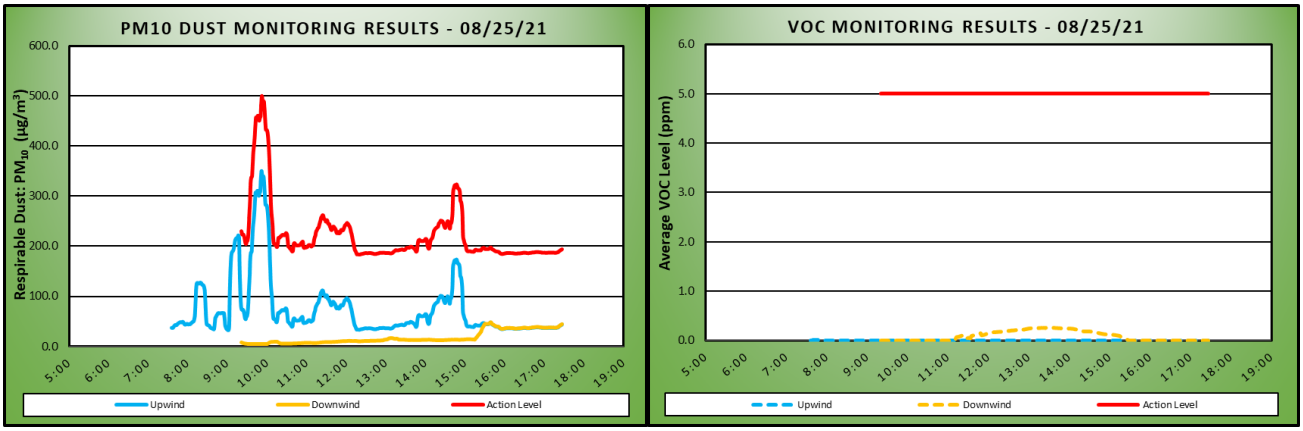
- Langan collected two documentation samples at 2 feet bgs in waste characterization grids COMP C and COMP B. The documentation soil samples were submitted to Alpha Analytical Laboratories, Inc. for analysis of Part 375 volatile organic compounds (VOC), Part 375 semi-volatile organic compounds (SVOC) 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).
    - EP11_2
    - EP17_2

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	37.5		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	73.2	18.0	Daily Time Weighted Average	0.0	0.1
Maximum 15-min Average	350.8	48.0	Maximum 15-min Average	0.0	0.3
Minimum 1-min Instant Reading	27.8	5.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	1,060	68.5	Maximum 1-min Instant Reading	0.1	0.7

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

Data was not collected from the downwind station from the start of the work day until 9:06 day due to connectivity issues. The issue was resolved with the equipment manufacturer 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:

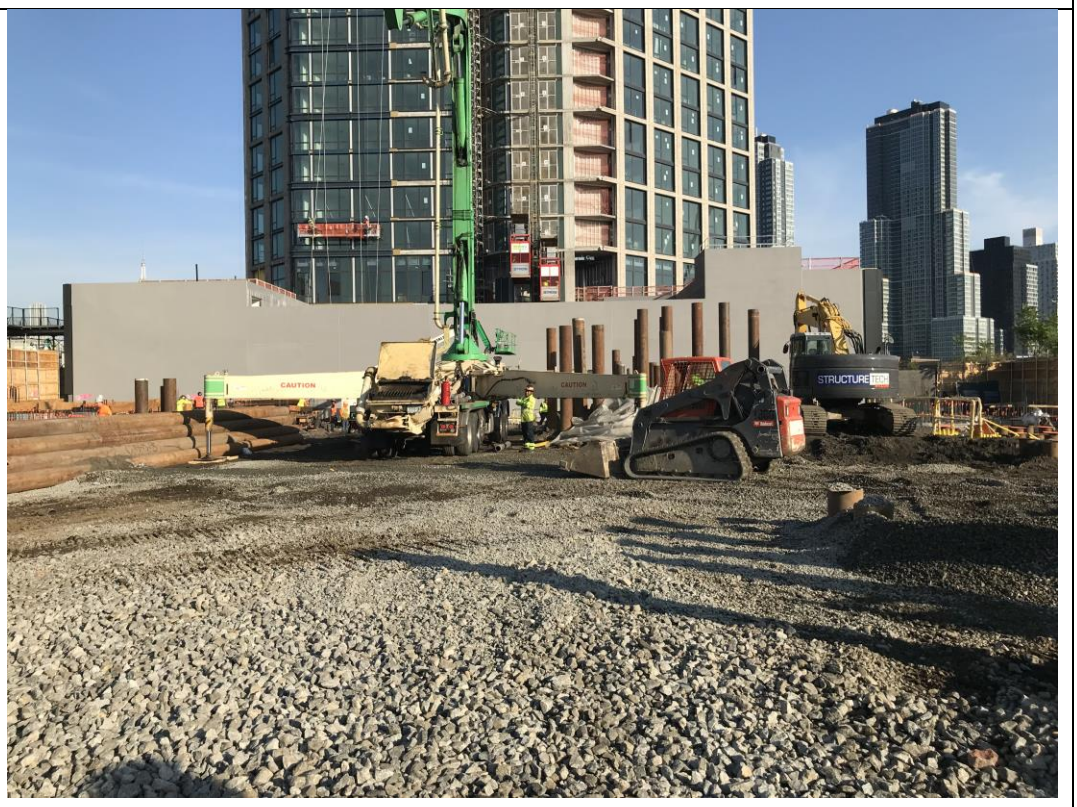
- STNY will continue to excavate in waste characterization grids COMP B (0-5), COMP A (0-5) and COMP H (0-5).
- STNY will continue to backfill in waste characterization grids COMP C (0-5), COMP E (0-5), COMP F (0-5), COMP G (0-5), and COMP A (0-5).
- STNY will continue production pile driving.
- STNY will continue to export stockpiled soil to Clean Earth of Bethlehem, located in Bethlehem Pennsylvania.
- STNY will continue to pour concrete into the pile caps formwork.

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 Concrete Pouring**
- **Approximate Area of Installed Demarcation Layer**
- **Approximate Location of Completed Pile**
- **Approximate Location of Documentation Sample**
- **Approximate Location of Endpoint Sample**

Photo Log

Photo 1: View of STNY backfilling with 0.75-inch stone in waste characterization grid COMP K (facing north).	
Photo 2: View of poured pile caps and grade beams in waste characterization grid COMP E (facing north).	

Photo 3: View of STNY excavating in waste characterization grid COMP K in preparation for the installation of a new construction trailer (facing north).	
Photo 4: View of 0.75-inch stone backfill area in waste characterization grid COMP J South (facing north).	

File Name: 2021-08-25 Daily Field Report_035

DAILY FIELD REPORT 037

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	August 26, 2021
Project Name:	45 Commercial Street	**Time:**	6:45 am to 4:45 pm

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

Langan Field Personnel:
Yaskira Mota Diaz

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth LLC (CE)
Utility Contractor: Trans City Water & Sewer (Trans City)

Work Activities Performed:

- STNY excavated the following areas of the site. Excavated material consisted of non-native soil and did not exhibit signs of chemical- or petroleum-like contamination.
    - An about 35-foot-long by 33-foot-wide area to a maximum depth of 8 feet below grade surface (bgs) (from original site grade) in waste characterization grids COMP C (0-5), COMP B (0-5), COMP D (0-5) and COMP I (5-10) for an elevator pit. Excavated material was stockpiled in waste characterization grid COMP B and COMP D (Soil Stockpile 2).
    - An about 15-foot-long by 10-foot-wide area to about 4 feet bgs (about 6 feet below original site grade) in waste characterization grids COMP B (0-5) and COMP I (5-10) for an elevator pit. Excavated material was added to Soil Stockpile 2.
    - An about 21-foot-long by 10-foot-wide area to 2 feet bgs (from original site grade) in waste characterization grid COMP B (0-5) as part of the remedial excavation. Excavated material was added to Soil Stockpile 2.
    - An about 32-foot-long by 20-foot-wide area to 2 feet bgs (from original site grade) in waste characterization grid COMP C (0-5) for the remedial excavation. Excavated material was added to Soil Stockpile 2.
    - An about 30-foot-long by 20-foot-wide area to 2 feet bgs (from original site grade) in waste characterization grid COMP K (0-2) as part of the remedial excavation. Excavated material was added to Soil Stockpile 2 or live loaded onto trucks for off site disposal.
    - An about 3-foot-long by 2-foot-wide area to 1 foot bgs (about 3 feet below original site grade) in waste characterization grid COMP B (0-5) in preparation for pile cap installation. Excavated material was stockpiled adjacent to the excavation in waste characterization grid COMP K.
    - STNY excavated the about 28-foot-long by 20-foot-wide truck pad consisting of previously backfilled New York State Department of Environmental Conservation (NYSDEC)-approved 2.5-inch stone from Tilcon – Pompton Lakes Quarry to about 1 foot bgs in COMP J South (0-2) in order to place a geotextile fabric base layer in accordance with the Stormwater Pollution Prevention Plan (SWPPP). Excavated stone was temporarily stockpiled in waste characterization grid COMP J South. Following fabric installation, the area was backfilled with the stone that was previously excavated from that location.

- Trans City excavated the following areas of the site to about 5 feet bgs (from original site grade) in waste characterization grid COMP G (0-5) to expose utility connections (in preparation for a New York City Department of Buildings inspection). Excavated material consisted of non-native soil that did not exhibit signs of chemical- or petroleum-like contamination and NYSDEC-approved 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry that had previously been used as backfill. Excavated material was segregated and stockpiled in waste characterization grid COMP G.
    - An about 22-foot-long by 10-foot-wide area.
    - An about 14-foot-long by 9-foot-wide area.
    - An about 7-foot-long by 3-foot-wide area.
- STNY backfilled the following areas with NYSDEC-approved 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry to raise the site grade.
    - An about 89-foot-long by 22-foot-wide area in waste characterization grid COMP K from about 1 foot bsg (from original site grade) to original site grade.
    - An about 31-foot-long by 14-foot-wide area in waste characterization grid COMP B from about 2 feet bsg (from original site grade) to 1 foot bsg.
    - An about 60-foot-long by 28-foot-wide area in waste characterization grids COMP C and COMP B from about 2 feet bsg (from original site grade) to 1 foot bsg.
- STNY regraded/flattened an about 46-foot-long by 28-foot wide area in waste characterization grids COMP B (0-5) and COMP A (0-5). Excess soil was live loaded into trucks for off site disposal.

Material Tracking:

- The following soil/fill was exported from the site:
    - 19 loads of non-native soil were transported to the Clean Earth of Bethlehem (CEPA) facility located in Bethlehem, Pennsylvania.
    - STNY manifested 1 load of construction and demolition debris (C&D), stockpiled in waste characterization grid COMP B, to the PPark NJ, LLC facility located in Prospect Park, New Jersey.
- The following materials were imported to the site:
    - STNY imported 8 loads of 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry.

Samples Collected:

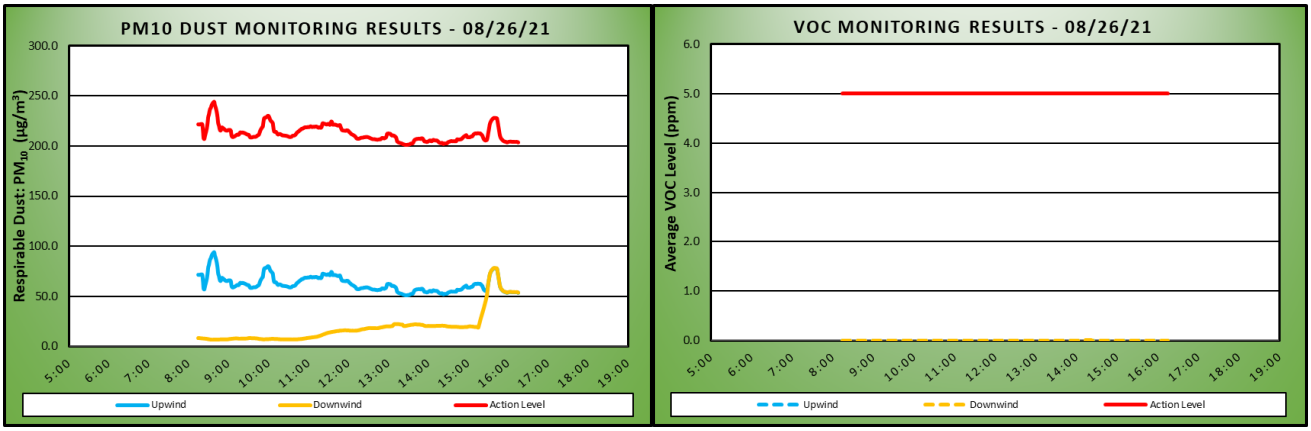
- No samples were collected.

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	71.7		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	62.5	19.5	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	94.2	78.2	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	49.8	6.0	Minimum 1-min Instant Reading	0.0	0.1
Maximum 1-min Instant Reading	177.5	118.5	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 for the remedial excavation and for pile cap installations.
- STNY will continue to backfill with 0.75-inch stone from Tilcon – Mt. Hope Quarry.
- STNY will continue production pile driving.
- STNY will continue to export stockpiled soil to Clean Earth of Bethlehem, located in Bethlehem Pennsylvania.
- STNY will continue to pour concrete for pile caps/grade beams.

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 Concrete Pouring**
- **Approximate Location of Completed Pile**
- **Approximate Location of Documentation Sample**
- **Approximate Location of Endpoint Sample**

Photo Log

Photo 1: View of STNY excavating in waste characterization grids COMP C (0-5), COMP D (0-5), COMP B (0-5) and COMP I (5-10) for an elevator pit (facing south).	
Photo 2: View of 0.75-inch stone backfilled area in waste characterization grids COMP C and COMP B (facing south).	

File Name: 2021-08-26 Daily Field Report_037

Photo 3: View of Trans City excavating to expose utility connections in waste characterization grid COMP G (0-5) (facing north).	
Photo 4: View of STNY loading a truck with soil for off-site disposal to CEPA (facing west).	

DAILY FIELD REPORT 038

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	August 27, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 3:30 pm

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

Langan Field Personnel:
TJ Malgieri

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth LLC (CE)
Utility Contractor: Trans City Water & Sewer (Trans City)

Work Activities Performed:

- STNY excavated the following areas of the site. Excavated material consisted of non-native soil and did not exhibit signs of chemical- or petroleum-like contamination.
    - An about 40-foot-long by 35-foot-wide area to a maximum depth of 9 feet below grade surface (bgs) (from original site grade) in waste characterization grids COMP C (0-5), COMP B (0-5), COMP D (0-5) and COMP I (5-10) for an elevator pit. Excavated material was added to Soil Stockpile 2.
    - An about 9-foot-long by 7-foot-wide area to about 5 feet bgs (from original site grade) in waste characterization grid COMP F (0-5) for the installation of electrical utility piping. Excavated material consisted of imported 0.75-inch stone or non-native soil that did not exhibit signs of chemical- or petroleum-like contamination. The stone and soil were not comingled during excavation and stockpiled separately in waste characterization grid COMP F.
- STNY backfilled an about 20-foot-long by 20-foot-wide area in waste characterization grid COMP I (5-10) from about 9 feet bsg (from original site grade) to 8 foot bsg. with New York State Department of Environmental Conservation (NYSDEC)-approved 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry to raise the site grade.
- STNY Loaded trucks with soil from Soil Stockpile 1 and Soil Stockpile 2 for off-site disposal to the Clean Earth of Bethlehem (CEPA) facility located in Bethlehem, Pennsylvania.
- STNY poured concrete for pile caps and grade beams in waste characterization grids COMP B and COMP C.

Material Tracking:

- The following soil/fill was exported from the site:
    - 19 loads of non-native soil were transported to the CEPA facility located in Bethlehem, Pennsylvania.
- No material was imported to the site.
    - None

Samples Collected:

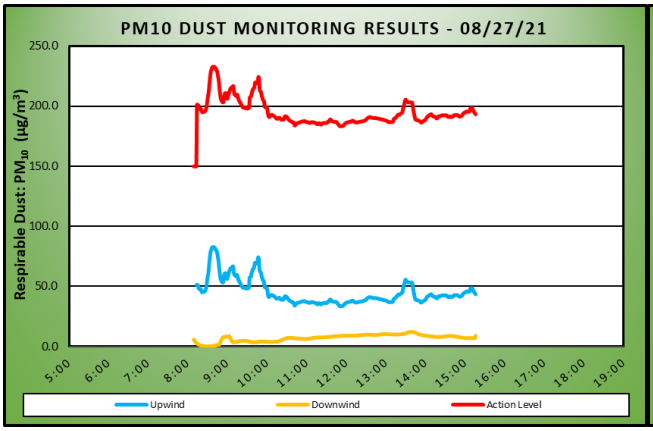
- No samples were collected.

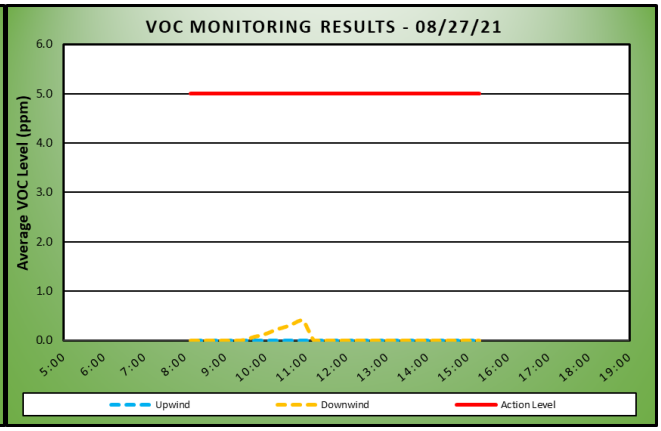
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	71.7		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	44.9	7.2	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	82.8	12.2	Maximum 15-min Average	0.0	0.4
Minimum 1-min Instant Reading	23.5	0.0	Minimum 1-min Instant Reading	1.3	0.0
Maximum 1-min Instant Reading	180.8	36.5	Maximum 1-min Instant Reading	0.0	0.5

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:





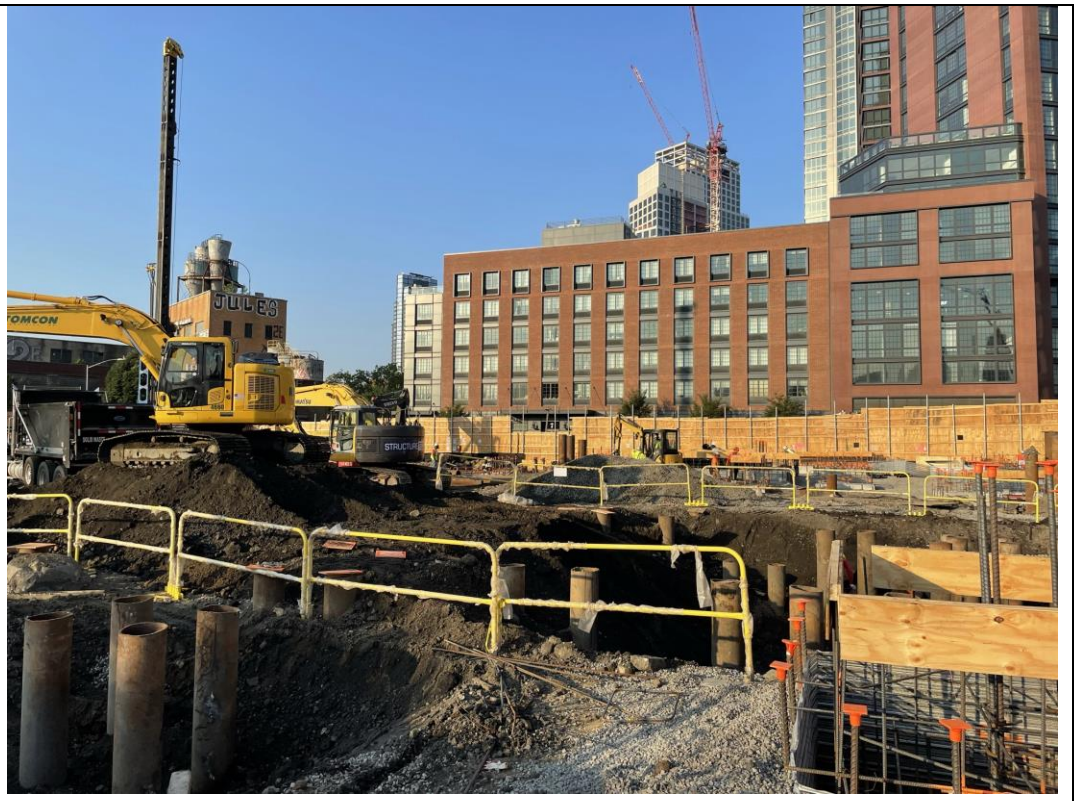
Planned Activities:

- STNY will continue to excavate for the remedial excavation and for pile cap installations.
- STNY will continue to backfill with 0.75-inch stone from Tilcon – Mt. Hope Quarry.
- STNY will continue production pile driving.
- STNY will continue to export stockpiled soil to Clean Earth of Bethlehem, located in Bethlehem Pennsylvania.
- STNY will continue to pour concrete for pile caps/grade beams.

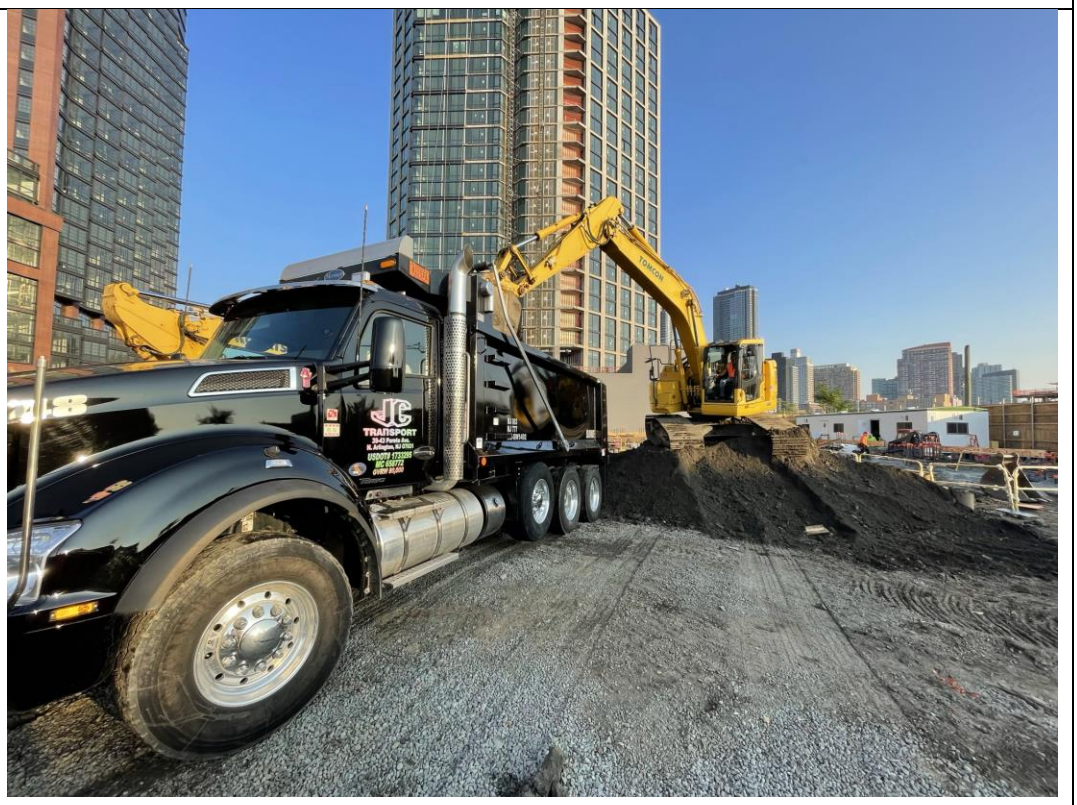
SITE PLAN

- **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 Concrete Pouring**
- **Approximate Location of Completed Pile**
- **Approximate Location of Documentation Sample**
- **Approximate Location of Endpoint Sample**

Photo Log

Photo 1: Gerneral view of site in the beginning of the day (facing southwest).	
Photo 2: View of STNY excavating in waste characterization grids COMP C (0-5), COMP D (0-5), COMP B (0-5) and COMP I (5-10) for an elevator pit (facing east).	

File Name: 2021-08-27 Daily Field Report_038

Photo 3: View of STNY excavating in waste characterization grids COMP C (0-5), COMP D (0-5), COMP B (0-5) and COMP I (5-10) for the elevator pit (facing northwest).	
Photo 4: View of STNY loading a truck with soil for off-site disposal to CEPA (facing northwest).	

File Name: 2021-08-27 Daily Field Report_038