

DAILY FIELD REPORT 014

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: | July 24, 2021 |
| Project Name: | 45 Commercial Street | Time: | 6:45 am to 2:15 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:

- Trans City excavated an about 4-foot-long by 4-foot-wide area to a maximum of 3 feet below grade surface (bgs) within waste characterization grid COMP G (0-5) to facilitate the installation of a sewer pipe connection. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was temporarily stockpiled within waste characterization grid COMP G. The excavated material was used to temporarily backfill the excavation and will be re-excavated to continue sewer pipe installation on the following day.

Material Tracking:

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

Samples Collected:

- No samples were collected.

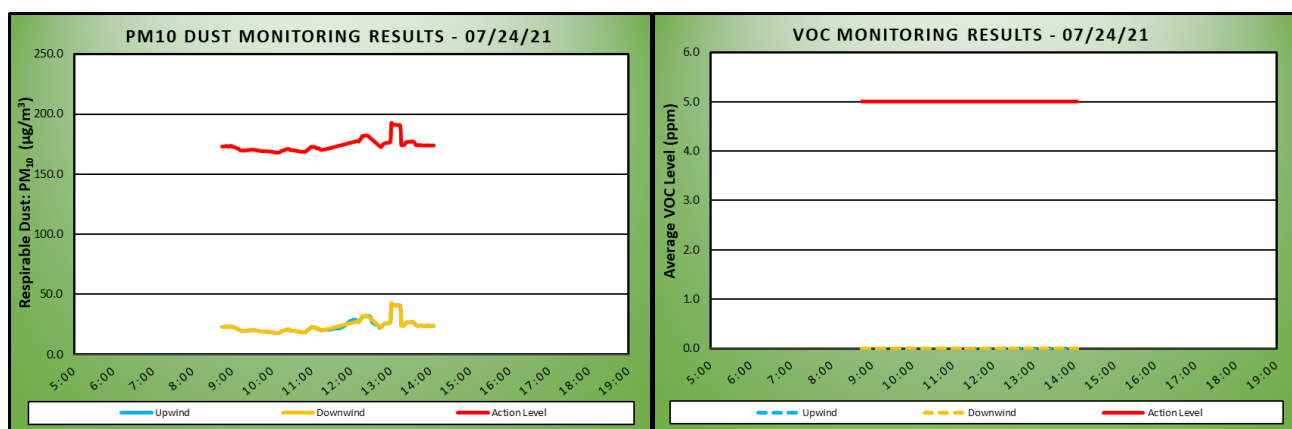
Air Monitoring:

| Particulate Monitoring ($\mu\text{g}/\text{m}^3$) | | | Organic Vapor Monitoring (ppm) | | |
|---|--------|----------|--------------------------------|--------|----------|
| Daily background | 23.1 | | Daily Background | 0.0 | |
| Averaging Period | Upwind | Downwind | Averaging Period | Upwind | Downwind |
| Daily Time Weighted Average | 23.7 | 23.7 | Daily Time Weighted Average | 0.0 | 0.0 |
| Maximum 15-min Average | 215.5 | 215.5 | Maximum 15-min Average | 0.0 | 0.0 |
| Minimum 1-min Instant Reading | 17.0 | 17.0 | Minimum 1-min Instant Reading | 0.0 | 0.0 |
| Maximum 1-min Instant Reading | 215.5 | 215.5 | Maximum 1-min Instant Reading | 0.0 | 0.0 |

$\mu\text{g}/\text{m}^3$ -micrograms per cubic meter.

ppm= parts per million.

Particulate and organic vapor data was not collected at the downwind station from 11:21 to 11:54 due to system connectivity issues. The issue was resolved and monitoring continued for the rest 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:

- Trans City will continue to utility installations within waste characterization grid COMP G.

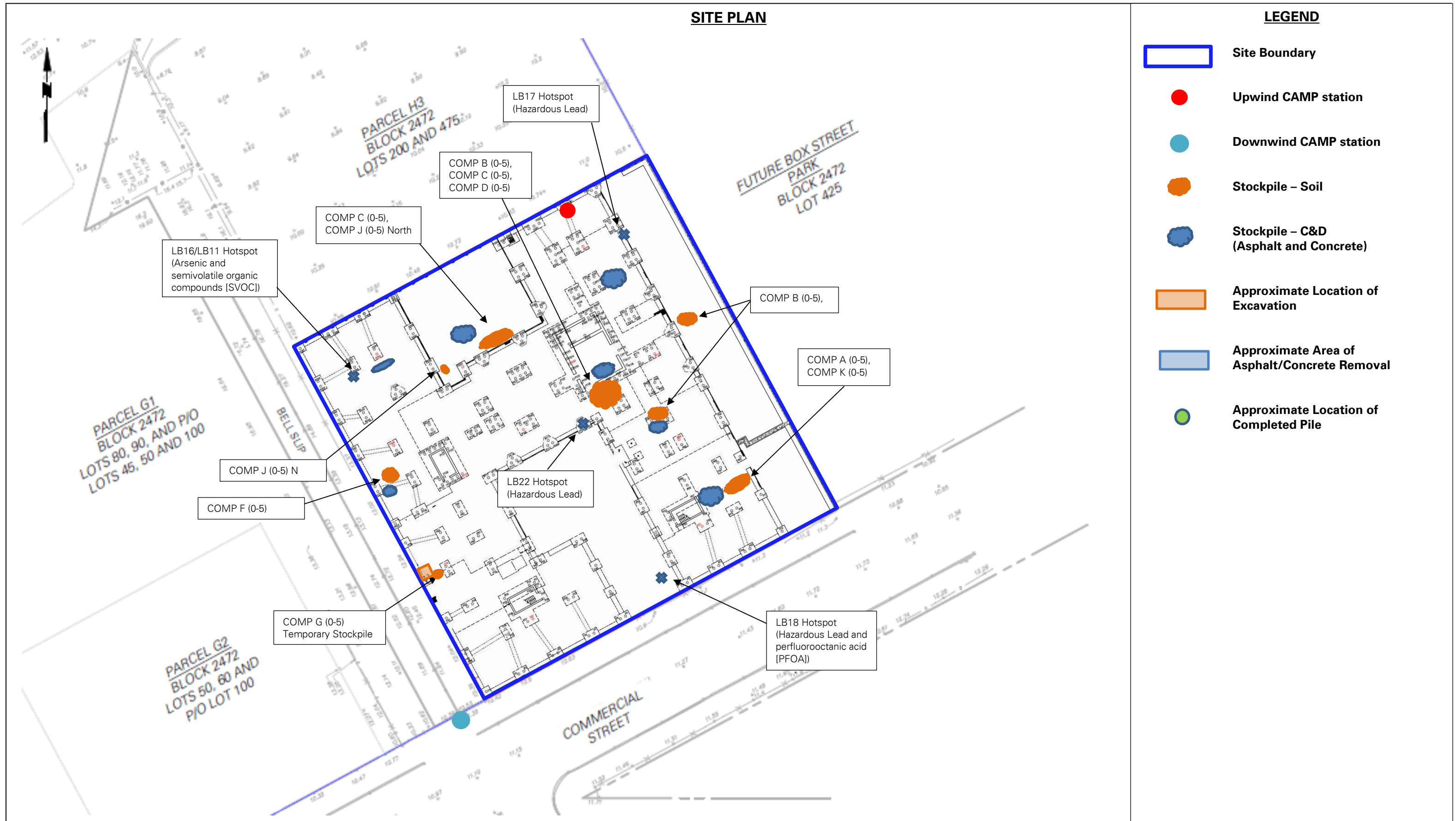


Photo Log

Photo 1:

View of Trans City excavating within waste characterization grid COMP G (0-5) for utility installation (facing north).



Photo 2:

View of the temporary soil stockpile within waste characterization grid COMP G (facing south).



Photo 3:

View of backfilled area
within waste
characterization grid COMP
G (facing north).



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

| | | | |
|--|----------------------|--|--------------------|
| BCP Project No: | C224304 | Date: | July 26, 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) | | Langan Field Personnel: Yaskira Mota Diaz Tyler Goodnough William Bohrer | |
| Construction Manager: Monadnock Construction Inc. (MC) | | | |
| Foundation Contractor: StructureTech New York, Inc. (STNY) | | | |
| Soil Broker: Clean Earth LLC (CE) | | | |

Work Activities Performed:

- STNY backfilled an about 27-foot-long by 22-foot-wide area within waste characterization grids COMP B (0-5), COMP C (0-5), and COMP D (0-5) from 5 feet below grade surface (bgs) to grade with stockpiled soil¹ that was previously excavated from that location.
- STNY backfilled an about 20-foot-long by 13-foot wide area within waste characterization grid COMP F (0-5) from 2 feet bgs to grade with stockpiled soil² that was previously excavated from that location.
- STNY removed an about 100-foot-long by 75-foot-wide area of asphalt surface cover within waste characterization grids COMP E, COMP J, COMP F, and COMP D in preparation for excavation and production pile driving. The asphalt was stockpiled within waste characterization grid COMP G.
- Trans City excavated three about 4-foot-long by 3.5-foot-wide trenches to a maximum of 5 feet bgs within waste characterization grid COMP G (0-5) to install two sewer pipes (southernmost two excavations) and one stormwater utility pipe (northernmost excavation). Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled within waste characterization grid COMP G.

Material Tracking:

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

Samples Collected:

- No samples were collected.

¹ Soil Stockpile COMP B (0-5), COMP C (0-5), COMP D (0-5)² Soil Stockpile COMP F (0-5)

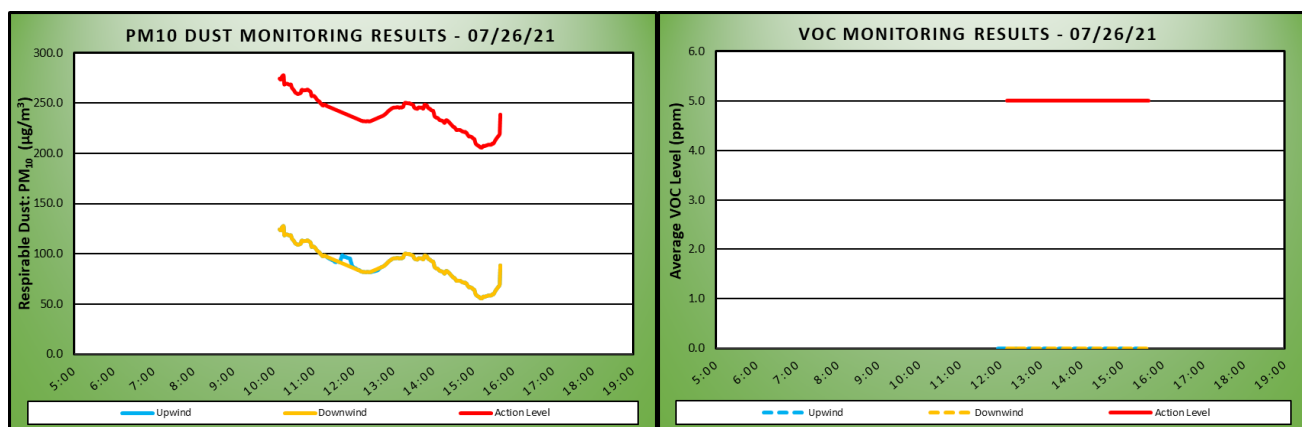
Air Monitoring:

| Particulate Monitoring ($\mu\text{g}/\text{m}^3$) | | | Organic Vapor Monitoring (ppm) | | |
|---|--------|----------|--------------------------------|--------|----------|
| Daily background | 124.6 | | Daily Background | 0.0 | |
| Averaging Period | Upwind | Downwind | Averaging Period | Upwind | Downwind |
| Daily Time Weighted Average | 90.9 | 90.7 | Daily Time Weighted Average | 0.0 | 0.0 |
| Maximum 15-min Average | 127.8 | 127.8 | Maximum 15-min Average | 0.0 | 0.0 |
| Minimum 1-min Instant Reading | 51.5 | 51.5 | Minimum 1-min Instant Reading | 0.0 | 0.0 |
| Maximum 1-min Instant Reading | 347.0 | 347.0 | Maximum 1-min Instant Reading | 0.0 | 0.0 |

$\mu\text{g}/\text{m}^3$ =micrograms per cubic meter.

ppm= parts per million.

Particulate and organic vapor data collection did not begin until 9:54 am and 11:42 am, respectively, due to system connectivity issues. The equipment provider sent a technician to the site and resolved the system connectivity issues. Particulate data was not collected at the downwind station from 11:21 to 11:54 due to a dead battery. The battery 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:

- Trans City will continue sewer and stormwater utility installations within waste characterization grid COMP G (0-5).
- STNY will begin production pile driving.
- STNY will continue removal of asphalt surface cover.

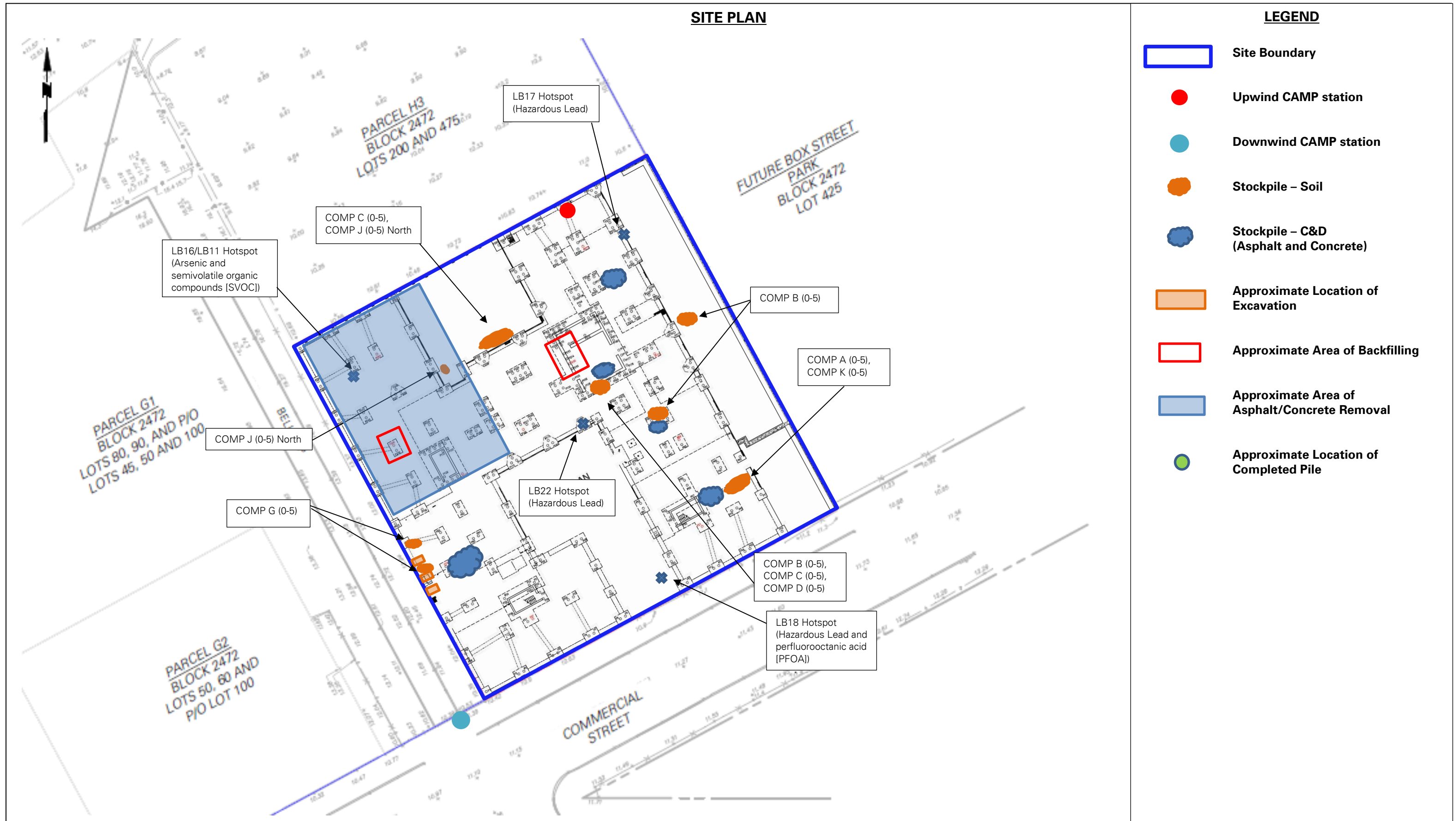


Photo Log

Photo 1:

View of STNY removing asphalt surface cover (facing north).



Photo 2:

View of STNY backfilling the excavation within waste characterization grids COMP B (0-5), COMP C (0-5), and COMP D (0-5) (facing southwest)



Photo 3:

View of the utility trench excavations within waste characterization grid COMP G (0-5) (facing southwest)



Photo 4:

View of the asphalt stockpile within waste characterization grid COMP G (0-5) (facing west)



DAILY FIELD REPORT 016

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: | July 27, 2021 |
| Project Name: | 45 Commercial Street | Time: | 6:45 am to 3:45 pm |
| Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) | | Langan Field Personnel: Yaskira Mota Diaz William Pagano, P.E. | |
| Construction Manager: Monadnock Construction Inc. (MC) | | | |
| Foundation Contractor: StructureTech New York, Inc. (STNY) | | | |
| Soil Broker: Clean Earth LLC (CE) | | | |

Work Activities Performed:

- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP F. All piles were completed.
 - Pile #118 was driven to about 58.5 feet below grade surface (bgs)(elevation [el ¹] – 46.0±).
 - Pile #119 was driven to about 58.6 feet bgs (el – 46.1±).
 - Pile #123 was driven to about 55.1 feet bgs (el – 42.8±).
 - Pile #124 was driven to about 55.0 feet bgs (el – 42.7±).
 - Pile #125 was driven to about 56.5 feet bgs (el – 44.0±).
 - Pile #126 was driven to about 56.8 feet bgs (el – 44.2±).
 - Pile #127 was driven to about 56.4 feet bgs (el – 43.9±).
 - Pile #128 was driven to about 56.7 feet bgs (el – 44.2±).
 - Pile #129 was driven to about 56.7 feet bgs (el – 44.2±).
 - Pile #130 was driven to about 56.8 feet bgs (el – 44.2±).
 - Pile #132 was driven to about 53.0 feet bgs (el – 40.9±).
 - Pile #133 was driven to about 53.0 feet bgs (el – 40.9±).
 - Pile #134 was driven to about 52.8 feet bgs (el – 40.7±).
 - Pile #135 was driven to about 52.8 feet bgs (el – 40.7±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP E. All piles wer completed.
 - Pile #243 was driven to about 50.7 feet bgs (el – 39.1±).
 - Pile #244 was driven to about 51.3 feet bgs (el – 39.7±).
 - Pile #289 was driven to about 44.8 feet bgs (el – 33.7±).
 - Pile #291 was driven to about 46.5 feet bgs (el – 35.4±).
 - Pile #293 was driven to about 48.8 feet bgs (el – 37.7±).
 - Pile #294 was driven to about 48.8 feet bgs (el – 37.7±).
 - Pile #295 was driven to about 51.8 feet bgs (el – 40.7±).
 - Pile #296 was driven to about 51.8 feet bgs (el – 40.7±).
 - Pile #297 was driven to about 51.8 feet bgs (el – 41.2±).
 - Pile #298 was driven to about 49.4 feet bgs (el – 38.8±).
 - Pile #299 was driven to about 49.8 feet bgs (el – 39.2±).
 - Pile #300 was driven to about 48.9 feet bgs (el – 38.3±).

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).

- Pile #301 was driven to about 48.4 feet bgs (el – 37.8±).
- Pile #302 was driven to about 47.9 feet bgs (el – 37.3±).
- STNY excavated an about 30-foot-long by 20-foot-wide area within waste characterization grid COMP A (0-5) to a maximum depth of 3 feet bgs in preparation for a load test. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled adjacent to the excavation, within waste characterization grid COMP A. Concrete surface cover removed during the excavation was also stockpiled within waste characterization grid COMP A.
- Trans City excavated an about 10-foot-long by 4-foot-wide trench within waste characterization grid COMP G (0-5) to a depth of 5 feet bgs to install a stormwater utility pipe. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to an existing stockpile within waste characterization grid COMP G, adjacent to the trench.

Material Tracking:

- The following soil/fill was exported from the site:
 - STNY exported 3 truckloads of C&D debris, stockpiled within COMP G, to AJ Trunzo, Inc. of Bath, PA.
- No material was imported to the site.

Samples Collected:

- No samples were collected.

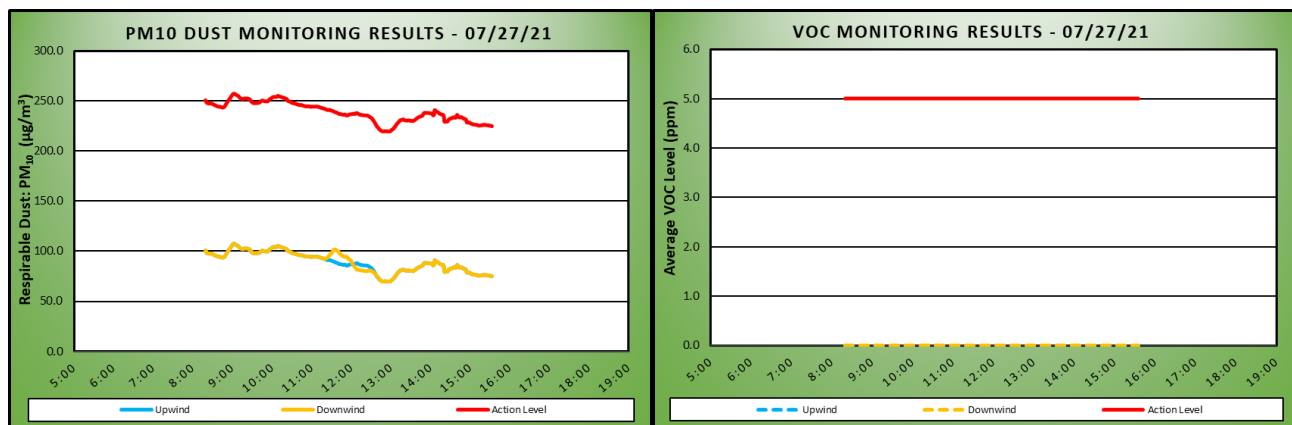
Air Monitoring:

| Particulate Monitoring ($\mu\text{g}/\text{m}^3$) | | | Organic Vapor Monitoring (ppm) | | |
|---|--------|----------|--------------------------------|--------|----------|
| Daily background | 101.2 | | Daily Background | 0.0 | |
| Averaging Period | Upwind | Downwind | Averaging Period | Upwind | Downwind |
| Daily Time Weighted Average | 89.3 | 89.7 | Daily Time Weighted Average | 0.0 | 0.0 |
| Maximum 15-min Average | 107.8 | 107.8 | Maximum 15-min Average | 0.0 | 0.0 |
| Minimum 1-min Instant Reading | 67.3 | 67.3 | Minimum 1-min Instant Reading | 0.0 | 0.0 |
| Maximum 1-min Instant Reading | 159.3 | 159.3 | Maximum 1-min Instant Reading | 0.0 | 0.0 |

$\mu\text{g}/\text{m}^3$ =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:

- Trans City will continue stormwater and water utility installations within waste characterization grid COMP G (0-5).
- STNY will continue production pile driving.

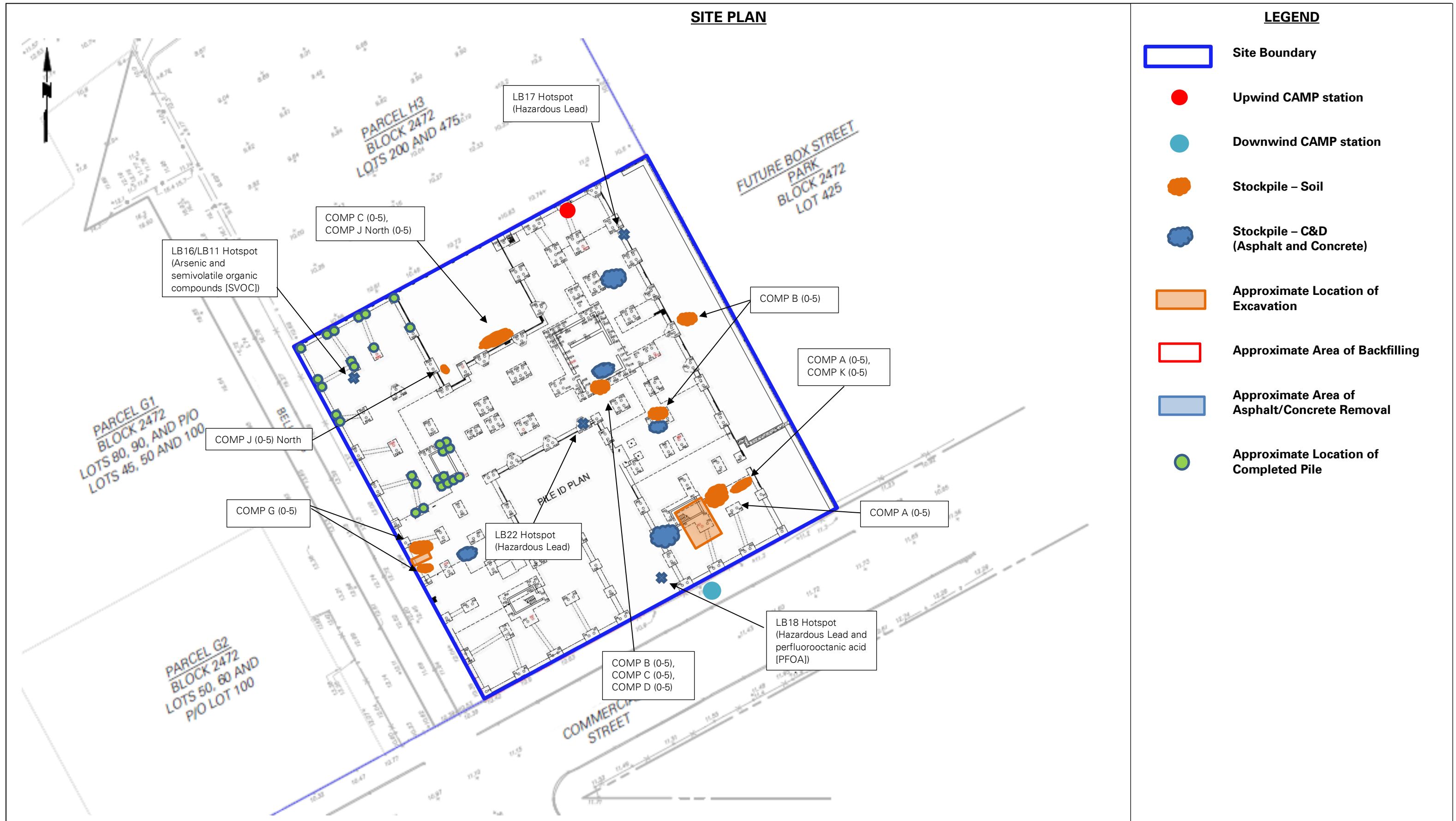


Photo Log

Photo 1:

View of STNY driving production piles within waste characterization grid COMP F (facing northwest).



Photo 2:

View of STNY loading C&D materials onto trucks for export and off-site disposal (facing northwest)



Photo 3:

View of the stormwater utility trench excavation within waste characterization grid COMP G (0-5) (facing southwest)



Photo 4:

View of STNY excavating the area within waste characterization grid COMP A (0-5). Soil stockpile COMP A (0-5) is visible in the background (facing east).



DAILY FIELD REPORT 017

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: | July 28, 2021 |
| Project Name: | 45 Commercial Street | Time: | 6:15 am to 3:45 pm |
| Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) | | Langan Field Personnel: Yaskira Mota Diaz Shrinidhi Shetty Tomas Monti | |
| Construction Manager: Monadhock Construction Inc. (MC) | | | |
| Foundation Contractor: StructureTech New York, Inc. (STNY) | | | |
| Soil Broker: Clean Earth LLC (CE) | | | |

Work Activities Performed:

- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP F. All piles were completed.
 - Pile #136 was driven to about 52.4 feet below grade surface (bgs) (elevation [el ¹] – 40.4±).
 - Pile #137 was driven to about 52.5 feet bgs (el – 40.5±).
 - Pile #138 was driven to about 53.1 feet bgs (el – 41.1±).
 - Pile #241 was driven to about 56.1 feet bgs (el – 44.3±).
 - Pile #242 was driven to about 56.2 feet bgs (el – 44.4±).
 - Pile #121 was driven to about 57.5 feet bgs (el – 45.5±).
 - Pile #122 was driven to about 56.0 feet bgs (el – 44.0±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP E. All piles were completed
 - Pile #245 was driven to about 50.6 feet bgs (el – 38.6±).
 - Pile #246 was driven to about 51.5 feet bgs (el – 39.5±).
 - Pile #247 was driven to about 49.2 feet bgs (el – 37.4±).
 - Pile #248 was driven to about 48.8 feet bgs (el – 37.0±).
 - Pile #249 was driven to about 50.0 feet bgs (el – 38.0±).
 - Pile #250 was driven to about 45.1 feet bgs (el – 33.0±).
 - Pile #251 was driven to about 44.0 feet bgs (el – 32.0±).
 - Pile #252 was driven to about 46.0 feet bgs (el – 34.0±).
 - Pile #253 was driven to about 45.8 feet bgs (el – 33.8±).
 - Pile #290 was driven to about 44.8 feet bgs (el – 32.8±).
- 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 #254 was driven to about 45.8 feet bgs (el – 33.8±).
 - Pile #236 was driven to about 53.1 feet bgs (el – 41.1±).
- STNY excavated two about 5-foot-long by 5-foot-wide areas to about 3 feet below grade surface (bgs) around production piles #241 and #242 within waste characterization grid COMP F (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 adjacent to the excavated areas within waste characterization grid COMP F. After pile installation, each excavation was backfilled with the same COMP F (0-5) soil that was previously excavated from that location.

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).

- STNY excavated an about 30-foot-long by 15-foot-wide area to a maximum depth of about 5 feet bgs within waste characterization grid COMP H (0-5) in preparation for a load test. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled adjacent to the excavation within waste characterization grid COMP H. Concrete surface cover removed during the excavation was combined with an existing C&D stockpile within waste characterization grid COMP G.
- Trans City excavated an about 3-foot-long by 1-foot-wide trench to a depth of 3 feet bgs within waste characterization grid COMP G (0-5) to facilitate the installation of a water utility pipe. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to an existing stockpile within waste characterization grid COMP G, adjacent to the trench.

Material Tracking:

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

Samples Collected:

- No samples were collected.

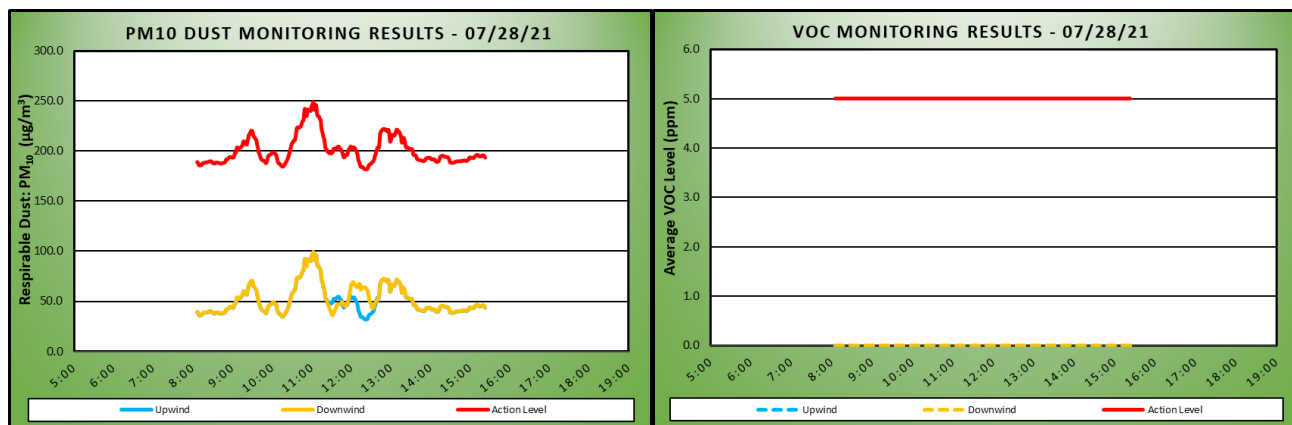
Air Monitoring:

| Particulate Monitoring ($\mu\text{g}/\text{m}^3$) | | | Organic Vapor Monitoring (ppm) | | |
|---|--------|----------|--------------------------------|--------|----------|
| Daily background | 39.3 | | 39.3 | 0.0 | |
| Averaging Period | Upwind | Downwind | Averaging Period | Upwind | Downwind |
| Daily Time Weighted Average | 50.8 | 52.0 | Daily Time Weighted Average | 0.0 | 0.0 |
| Maximum 15-min Average | 99.1 | 99.1 | Maximum 15-min Average | 0.0 | 0.0 |
| Minimum 1-min Instant Reading | 30.3 | 28.8 | Minimum 1-min Instant Reading | 0.0 | 0.0 |
| Maximum 1-min Instant Reading | 172.5 | 172.5 | Maximum 1-min Instant Reading | 0.0 | 0.0 |

$\mu\text{g}/\text{m}^3$ =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:

- Trans City will continue water utility installations within waste characterization grid COMP G (0-5).
- STNY will continue production pile driving.

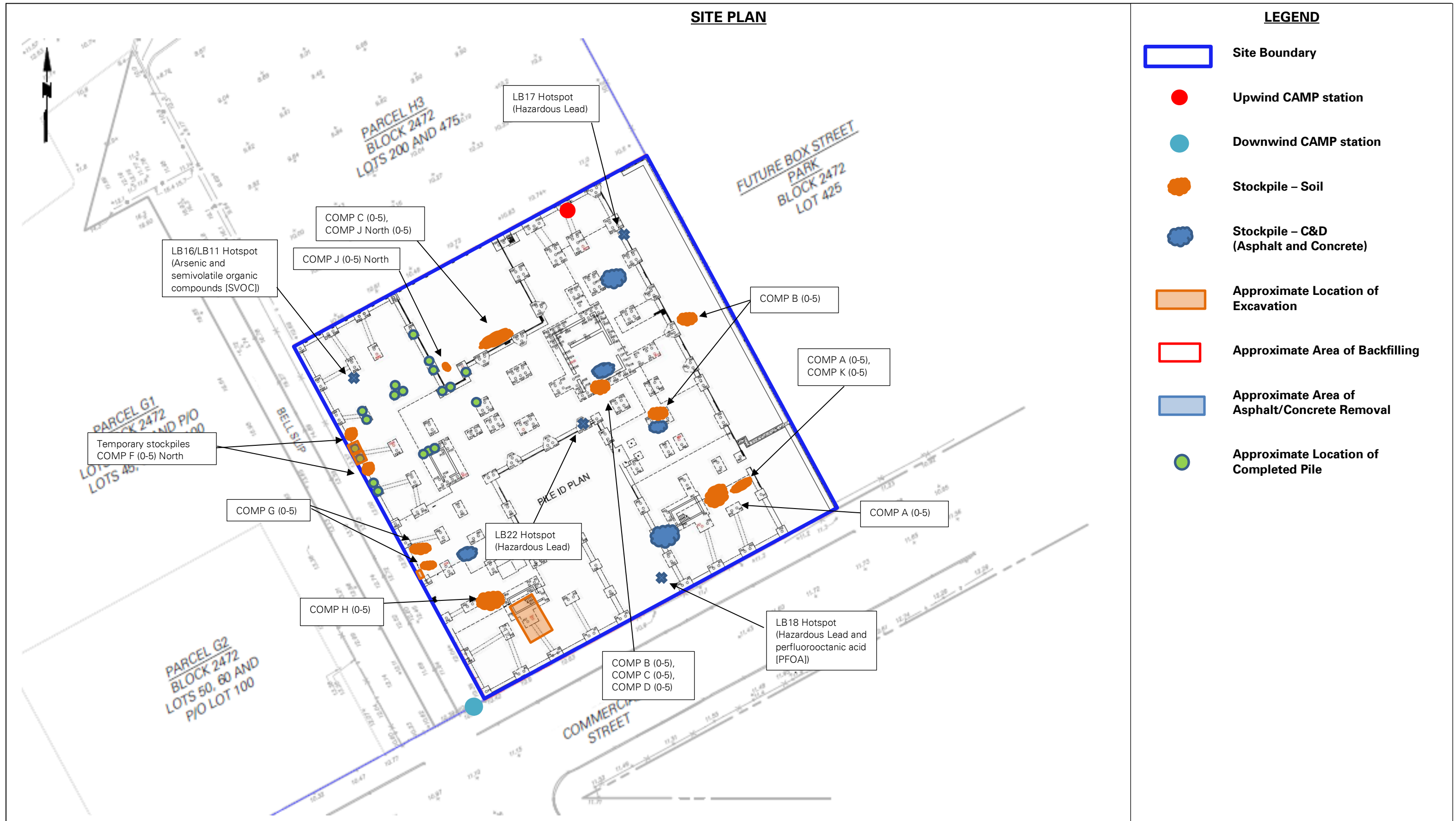


Photo Log

Photo 1:

View of STNY excavating and stockpiling within waste characterization grid COMP H (0-5) for a load test (facing northwest).



Photo 2:

View of excavated area around pile #241 within waste characterization grid COMP F (0-5) (facing west)



Photo 3:

View of water utility trench excavation within COMP G (0-5) (facing west).



Photo 4:

View of the site at the end of the work day, including soil stockpiles COMP H and COMP G covered with polyethylene sheeting (facing west).



DAILY FIELD REPORT 018

Prepared By: LANGAN

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

| | | | |
|--|----------------------|---|--------------------|
| BCP Project No: | C224304 | Date: | July 29, 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: Yaskira Mota Diaz Shrinidhi Shetty | |
| 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 used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP F. All piles were completed.
 - Pile #139 was driven to about 52.0 feet below grade surface (bgs) (elevation [el]¹ -40±).
 - Pile #140 was driven to about 56.0 feet bgs (el -44.0±).
 - Pile #237 was driven to about 52.0 feet bgs (el -40.0±).
 - Pile #238 was driven to about 50.3 feet bgs (el -38.3±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP D. Piles #111 and #229 were not compliant with the design requirements and are not considered completed.
 - Pile #235 was driven to about 53.0 feet bgs (el -41.0±).
 - Pile #233 was driven to about 52.5 feet bgs (el -40.5±).
 - Pile #234 was driven to about 52.7 feet bgs (el -40.7±).
 - Pile #256 was driven to about 47.0 feet bgs (el -35.0±).
 - Pile #257 was driven to about 47.8 feet bgs (el -37.8±).
 - Pile #258 was driven to about 49.4 feet bgs (el -38.4±).
 - Pile #260 was driven to about 52.0 feet bgs (el -40.0±).
 - Pile #259 was driven to about 52.0 feet bgs (el -40.0±).
 - Pile #261 was driven to about 51.5 feet bgs (el -39.6±).
 - Pile #143 was driven to about 54.5 feet bgs (el -42.5±).
 - Pile #145 was driven to about 54.0 feet bgs (el -43.0±).
 - Pile #144 was driven to about 55.5 feet bgs (el -44.5±).
 - Pile #146 was driven to about 54.0 feet bgs (el -42.0±).
 - Pile #116 was driven to about 56.1 feet bgs (el -44.1±).
 - Pile #115 was driven to about 53.4 feet bgs (el -41.4±).
 - Pile #114 was driven to about 54.0 feet bgs (el -42.0±).
 - Pile #113 was driven to about 53.5 feet bgs (el -41.5±).
 - Pile #112 was driven to about 46.4 feet bgs (el -34.4±).
 - Pile #111 was driven to about 33.5 feet bgs (el -21.5±).
 - Pile #232 was driven to about 50.0 feet bgs (el -38.0±).
 - Pile #229 was driven to about 40.5 feet bgs (el -28.5±).

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).

- Pile #231 was driven to about 50.0 feet bgs (el -38.0±).
- Pile #230 was driven to about 50.0 feet bgs (el -38.0±).
- Pile #228 was driven to about 49.5 feet bgs (el -37.5±).
- Pile #227 was driven to about 50.0 feet bgs (el -38.0±).
- Pile #147 was driven to about 53.8 feet bgs (el -41.8±).
- Pile #141 was driven to about 52.8 feet bgs (el -40.8±).
- Pile #149 was driven to about 52.5 feet bgs (el -40.5±).
- Pile #150 was driven to about 52.6 feet bgs (el -40.6±).
- Pile #110 was driven to about 47.0 feet bgs (el -35.0±).
- 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 #117 was driven to about 56.6 feet bgs (el - 44.6±).
- STNY excavated an about 5-foot-long by 5-foot-wide area to about 3 feet bgs within waste characterization grid COMP D (0-5) to install piles #140 and #141. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was temporarily stockpiled adjacent to the excavated area within waste characterization grid COMP D. After the piles were installed, the excavation was backfilled with the same COMP D (0-5) soil that was previously excavated from that location.
- STNY excavated an about 15-foot-long by 4-foot-wide excavation to about 5 feet bgs within waste characterization grid COMP H (0-5) to widen an existing excavation for a pile load test. The final excavation measured about 30-feet-long and 15-feet-wide to a maximum depth of 5 feet bgs. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was added to the existing stockpile composed of COMP H (0-5), located adjacent to the excavation within waste characterization grid COMP H. Concrete surface cover removed during the excavation was added to an existing construction and demolition (C&D) debris stockpile within waste characterization grid COMP G.
- STNY removed an about 110-foot-long by 45-foot-wide area of asphalt and concrete surface cover within waste characterization grids COMP A, COMP B, COMP C, and COMP K in preparation for excavation and production pile driving. The asphalt and concrete was added to an existing C&D stockpile within waste characterization grid COMP A or was live loaded onto trucks for off-site disposal to A.J. Trunzo, Inc. of Bath, Pennsylvania.
- STNY graded an about 50-foot-long by 15-foot-wide area in the southern part of waste characterization grid COMP J North using two soil stockpiles composed of COMP C (0-5) and COMP J (0-5) North.

Material Tracking:

- The following soil/fill was exported from the site:
 - STNY exported 1 truckload of C&D debris, stockpiled within waste characterization grid COMP C, to A.J. Trunzo, Inc. of Bath, Pennsylvania.
 - STNY exported 2 truckloads of C&D debris, stockpiled within waste characterization grids COMP B and C to PPark NJ, LLC of Prospect Park, New Jersey.
- No material was imported to the site.

Samples Collected:

- No samples were collected.

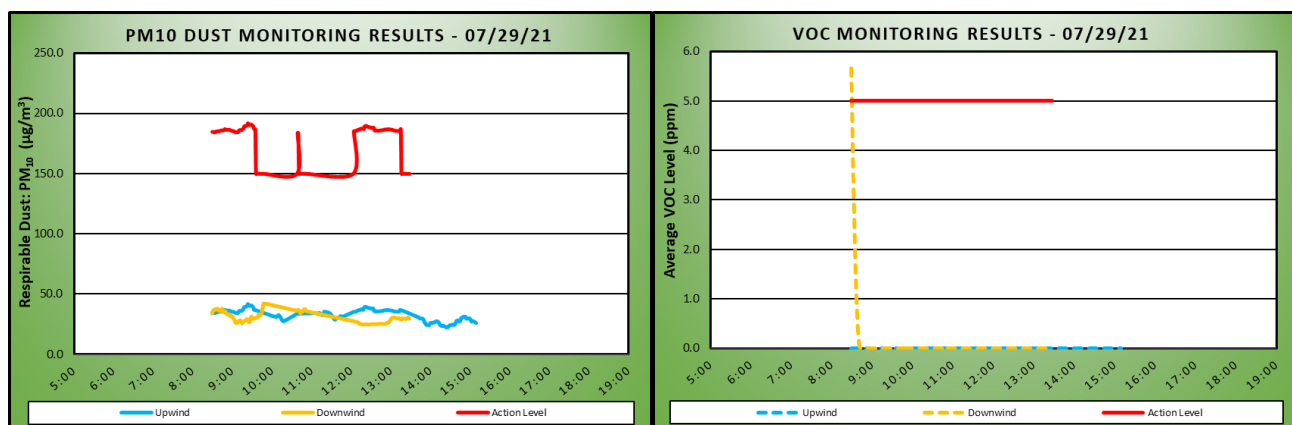
Air Monitoring:

| Particulate Monitoring ($\mu\text{g}/\text{m}^3$) | | | Organic Vapor Monitoring (ppm) | | |
|---|--------|----------|--------------------------------|--------|----------|
| Daily background | 34.4 | | Daily background | 0.0 | |
| Averaging Period | Upwind | Downwind | Averaging Period | Upwind | Downwind |
| Daily Time Weighted Average | 32.3 | 30.6 | Daily Time Weighted Average | 0.0 | 0.4 |
| Maximum 15-min Average | 41.5 | 42.4 | Maximum 15-min Average | 0.0 | 5.7 |
| Minimum 1-min Instant Reading | 20.5 | 16.8 | Minimum 1-min Instant Reading | 0.0 | 11.1 |
| Maximum 1-min Instant Reading | 61.0 | 69.5 | Maximum 1-min Instant Reading | 0.0 | 0.0 |

$\mu\text{g}/\text{m}^3$ =micrograms per cubic meter.

ppm= parts per million.

An organic vapor exceedance was recorded at 8:29 due to a calibration error. The equipment was re-calibrated and no other particulate or organic vapor exceedances were recorded for the remainder of the day. Due to connectivity issues, data was not recorded at the upwind station from 9:36 to 9:48, 10:41 to 10:52, and 13:16 to 13:28, and at the downwind station from 9:49 to 10:22, 10:53 to 11:47, and 13:29 to 15:10. The equipment manufacturer was notified and the equipment was scheduled for replacement. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:



Planned Activities:

- Trans City will continue water utility installations within waste characterization grid COMP G (0-5).
- STNY will continue production pile driving.

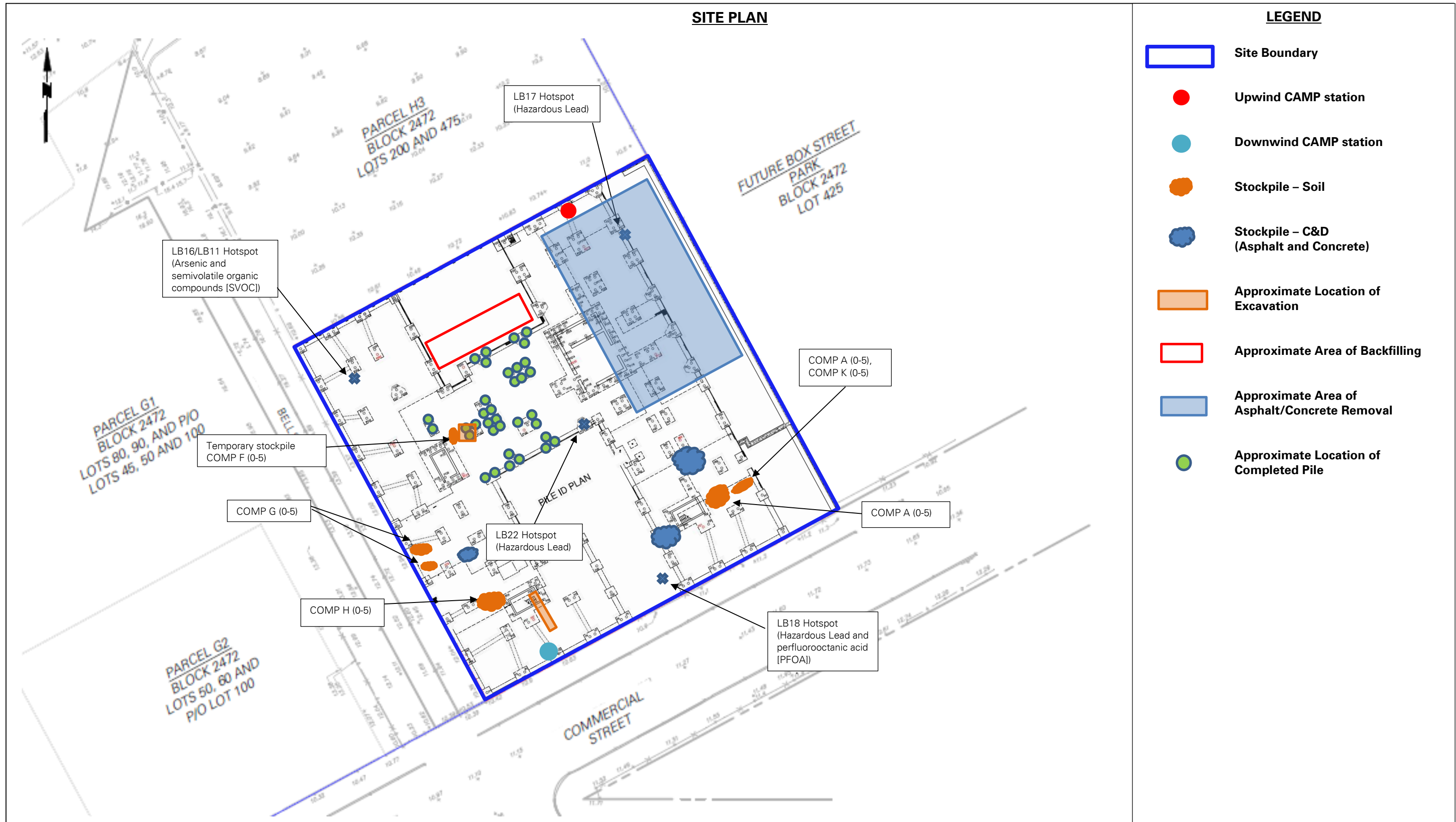


Photo Log

Photo 1:

View of excavated area around pile #140 within waste characterization grid COMP D (0-5) (facing west)



Photo 2:

View of STNY loading a truck with C&D debris stockpiled within waste characterization grid COMP C for off-site disposal (facing south).



Photo 3:

View of STNY expanding the excavated area within waste characterization grid COMP H (0-5) for a load test (facing west).



Photo 4:

View of waste characterization grids COMP A, COMP C, COMP B, and COMP K after asphalt surface cover removal (facing north).



DAILY FIELD REPORT 019

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: | July 30, 2021 |
| Project Name: | 45 Commercial Street | Time: | 6:45 am to 3:30 pm |
| Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) | | Langan Field Personnel: Yaskira Mota Diaz Shrinidhi Shetty | |
| 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 used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP C. All piles were completed.
 - Pile #206 was driven to about 52.3 feet below grade surface (bgs) (elevation [el]¹ -40.8±).
 - Pile #205 was driven to about 51.0 feet bgs (el -39.5±).
 - Pile #304 was driven to about 47.0 feet bgs (el -36.2±).
 - Pile #305 was driven to about 47.9 feet bgs (el -37.1±).
 - Pile #202 was driven to about 48.4 feet bgs (el -36.9±).
 - Pile #201 was driven to about 49.5 feet bgs (el -37.1±).
 - Pile #204 was driven to about 50.6 feet bgs (el -39.1±).
 - Pile #208 was driven to about 51.7 feet bgs (el -40.2±).
 - Pile #200 was driven to about 50.2 feet bgs (el -38.7±).
 - Pile #199 was driven to about 50.6 feet bgs (el -39.1±).
 - Pile #210 was driven to about 51.3 feet bgs (el -39.8±).
 - Pile #286 was driven to about 48.0 feet bgs (el -36.5±).
 - Pile #285 was driven to about 46.9 feet bgs (el -35.4±).
 - Pile #306 was driven to about 47.8 feet bgs (el -36.8±).
 - Pile #307 was driven to about 48.1 feet bgs (el -36.6±).
- 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 #203 was driven to about 50.5 feet bgs (el -39.0±).
 - Pile #207 was driven to about 51.0 feet bgs (el -39.5±).
 - Pile #209 was driven to about 51.0 feet bgs (el -39.8±).
- 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 #213 was driven to about 50.9 feet bgs (el -39.4±).
 - Pile #214 was driven to about 51.8 feet bgs (el -40.3±).
 - Pile #155 was driven to about 52.5 feet bgs (el -41.0±).
 - Pile #157 was driven to about 51.5 feet bgs (el -40.0±).
 - Pile #159 was driven to about 47.4 feet bgs (el -35.9±).
 - Pile #160 was driven to about 46.3 feet bgs (el -34.8±).

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).

- Pile #161 was driven to about 46.2 feet bgs (el -34.7±).
- Pile #158 was driven to about 47.0 feet bgs (el -35.5±).
- Pile #156 was driven to about 50.5 feet bgs (el -39.0±).
- Pile #182 was driven to about 53.4 feet bgs (el -42.4±).
- Pile #181 was driven to about 53.7 feet bgs (el -42.7±).
- Pile #180 was driven to about 53.2 feet bgs (el -42.2±).
- Pile #162 was driven to about 46.0 feet bgs (el -34.5±).
- STNY used a Junttan 25H Pile Driving Rig to drive the following production piles within waste characterization grid COMP J. All piles were completed
 - Pile #303 was driven to about 46.6 feet bgs (el -35.8±)
 - Pile #287 was driven to about 48.1 feet bgs (el -36.6±).
 - Pile #288 was driven to about 47.0 feet bgs (el -35.5±).
- STNY removed an about 35-foot-long by 27-foot-wide area of asphalt and concrete surface cover within waste characterization grids COMP H and COMP J South in preparation for the installation of a truck decontamination/wash pad. The asphalt and concrete was combined with an existing construction and demolition (C&D) debris stockpile within waste characterization grid COMP G.
- STNY removed an about 50-foot-long by 70-foot-wide area of asphalt and concrete surface cover within waste characterization grids COMP J South, COMP A, COMP G, and COMP H in preparation for excavation and production pile driving. The asphalt and concrete was combined with an existing C&D stockpile within waste characterization grid COMP G or was live loaded onto trucks for export.

Material Tracking:

- The following soil/fill was exported from the site:
 - STNY exported 1 truckload of C&D debris, stockpiled within waste characterization grid COMP A, to AJ Trunzo, Inc. of Bath, Pennsylvania.
 - STNY exported 2 truckloads of C&D debris, stockpiled within waste characterization grid COMP B to PPark NJ, LLC of Prospect Park, New Jersey.
- No material was imported to the site.

Samples Collected:

- No samples were collected.

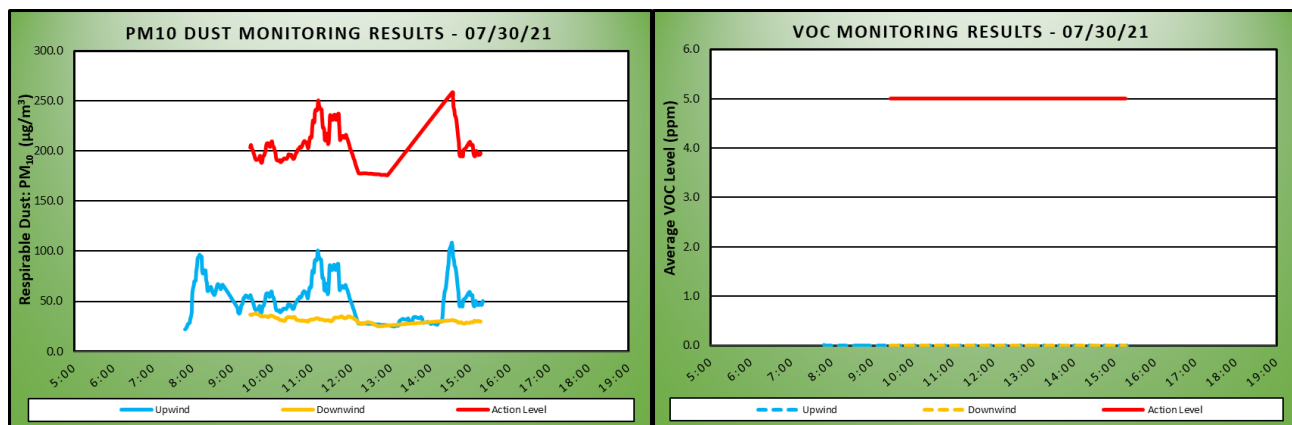
Air Monitoring:

| Particulate Monitoring ($\mu\text{g}/\text{m}^3$) | | | Organic Vapor Monitoring (ppm) | | |
|---|--------|----------|--------------------------------|--------|----------|
| Daily background | 22.0 | | Daily background | 0.0 | |
| Averaging Period | Upwind | Downwind | Averaging Period | Upwind | Downwind |
| Daily Time Weighted Average | 49.9 | 31.3 | Daily Time Weighted Average | 0.1 | 0.0 |
| Maximum 15-min Average | 108.8 | 38.1 | Maximum 15-min Average | 0.0 | 0.0 |
| Minimum 1-min Instant Reading | 19.0 | 23.3 | Minimum 1-min Instant Reading | 0.0 | 0.0 |
| Maximum 1-min Instant Reading | 304.3 | 54.8 | Maximum 1-min Instant Reading | 0.0 | 0.0 |

$\mu\text{g}/\text{m}^3$ =micrograms per cubic meter.

ppm= parts per million.

Due to connectivity issues, data was not recorded at the downwind station from 7:34 to 9:11 and 12:56 to 14:17. The Community Air Monitoring Program (CAMP) equipment is scheduled for replacement on 8/2. The daily CAMP monitoring results are also presented in the following charts:



Planned Activities:

- Trans City will continue water utility installations within waste characterization grid COMP G (0-5).
- STNY will continue production pile driving.
- STNY will begin excavation within COMP E (0-5) for pile cap installations.

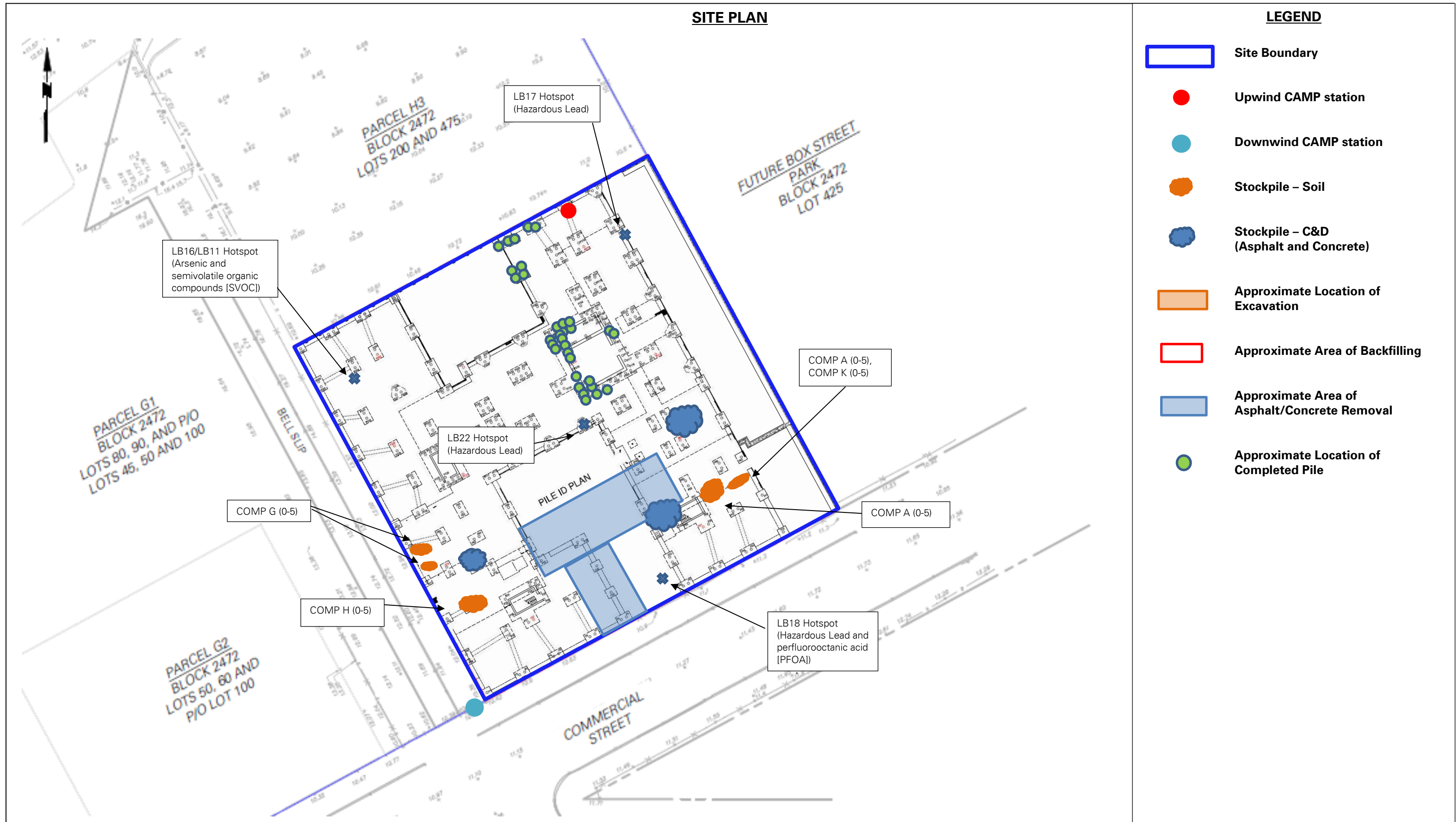


Photo Log

Photo 1:

View of STNY removing asphalt and concrete surface cover within waste characterization grids COMP H and COMP J South (facing west).



Photo 2:

View of STNY loading trucks with C&D debris stockpiled within waste characterization grid COMP B for off-site disposal (facing north).



Photo 3:

View of waste characterization grid COMP J South after asphalt surface cover removal (facing north).



Photo 4:

View of STNY loading a truck with C&D debris stockpiled within waste characterization grids COMP G for off-site disposal (facing north).

