**DAILY FIELD REPORT 101**

Prepared By: LANGAN

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

| | | | |
|---|---|---|---|
| **BCP Project No:** | C224304 | **Date:** | November 29, 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, Inc. (CE)

**Langan Field Personnel:**
Yaskira Mota

**Work Activities Performed:**

- STNY excavated an about 30-foot-long by 3-foot-wide trench from about 2 feet below grade surface (bgs) (from original site grade) to about 3 feet bgs in waste characterization grid COMP J South to install a temporary electric utility pipe. Excavated material consisted of non-native soil that did not exhibit signs of chemical- or petroleum-like contamination and was temporarily stockpiled adjacent to the excavation. Following the pipe installation, the excavated soil was used to backfill the trench in the same location and depth it was excavated from.

**Material Tracking:**

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

**Samples Collected:**

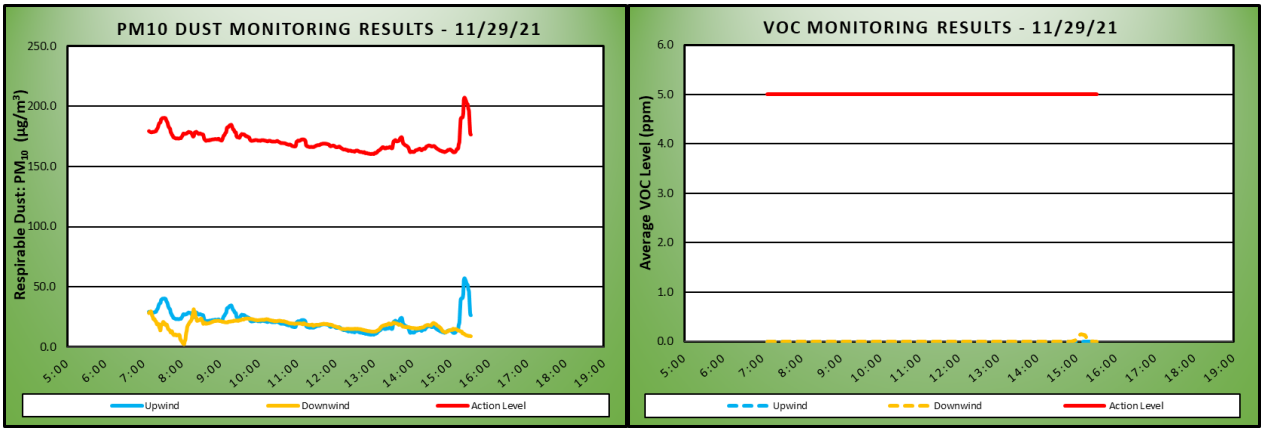
- No samples were collected from site.

## Air Monitoring

| Particulate Monitoring (µg/m³) | | | Organic Vapor Monitoring (ppm) | | |
|---|---|---|---|---|---|
| Daily background | 29.2 | | Daily background | 0.0 | |
| Averaging Period | Upwind | Downwind | Averaging Period | Upwind | Downwind |
| Daily Time Weighted Average | 21.0 | 18.1 | Daily Time Weighted Average | 0.0 | 0.0 |
| Maximum 15-min Average | 57.1 | 31.3 | Maximum 15-min Average | 0.0 | 0.2 |
| Minimum 1-min Instant Reading | 3.5 | 0.0 | Minimum 1-min Instant Reading | 0.0 | 0.0 |
| Maximum 1-min Instant Reading | 195.8 | 75.3 | Maximum 1-min Instant Reading | 0.1 | 0.4 |

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 regrade waste characterization grids COMP J North and COMP J South (courtyards), install the demarcation barrier, and backfill.
- STNY will continue excavating for utilities and will continue exporting soil for off-site disposal.



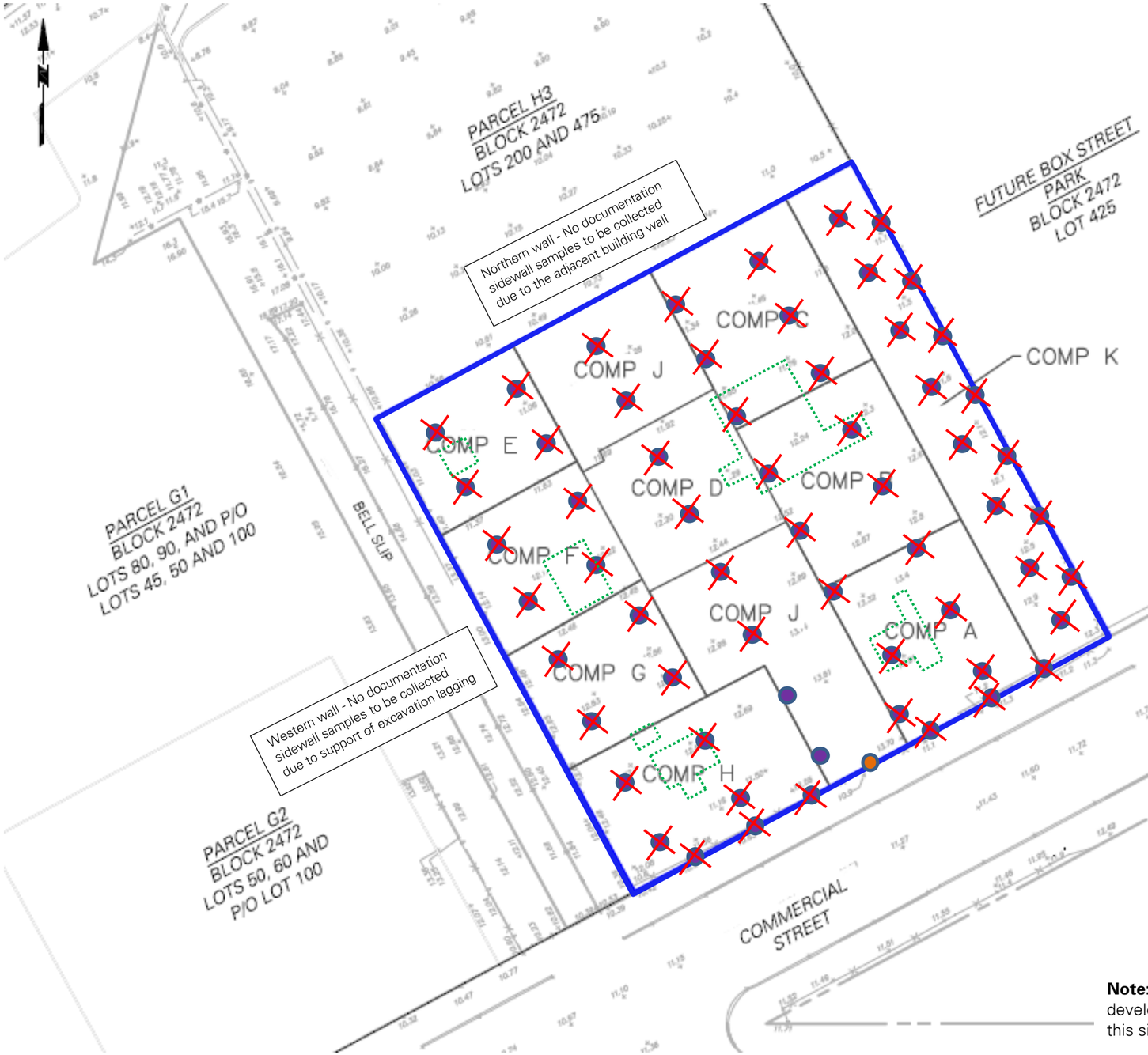
**File Name:** 2021-11-25 Daily Field Report_101

## SITE PLAN


**Note:** Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

- **Site Boundary**
- **Waste Characterization Grid COMP I (5-10)**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Location of Concrete Pouring**
- **Approximate Area of Installed Demarcation Layer**
- **2 Foot Remedial Excavation Completed**
- **2 Foot Remedial Excavation Completed, Demarcation Layer Installed, and 2 Feet of Clean Cover Layer Placed**

## DOCUMENTATION SAMPLE PLAN




**Site Boundary**

**Waste Characterization Grid**
**COMP I (5-10)**

**Proposed Base Documentation Sample Location**

**Proposed Base Documentation Sample Location**

**Documentation Sample Collected Today**

**Previously Collected Documentation Sample**

**Note:** Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

## WATERPROOFING/VAPOR BARRIER AND SMD INSTALLATION MAP

**Note:** Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

- **Site Boundary**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower A**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower B**
- **SMD System Installation In Progress (Geotextile/Aggregate)**
- **SMD System Installation In Progress (SMD Piping)**
- **SMD System Installation In Progress (Waterproofing/Vapor Barrier)**
- **Concrete Foundation Slab Poured**

# Photo Log

| | |
|---|---|
| **Photo 1:**<br>General view of the site (facing southwest). |  |
| **Photo 2:**<br>View of STNY excavating in waste characterization grid COMP J South to install a temporary utility pipe (facing north). |  |

| | |
|---|---|
| **Photo 3:**<br>View of STNY backfilling the utility excavation in waste characterization grid COMP J South (facing north). |  |
| **Photo 4:**<br>View of waste characterization grid COMP J South at the end of the day (facing northwest). |  |

**DAILY FIELD REPORT 102**

Prepared By: LANGAN

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

| | | | |
|---|---|---|---|
| **BCP Project No:** | C224304 | **Date:** | November 30, 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, Inc. (CE)

**Langan Field Personnel:**
Yaskira Mota

**Work Activities Performed:**

- Langan was told by MC/STNY personnel throughout the day that intrusive work and/or sub-membrane depressurization (SMD) system work was scheduled to be completed; however, due to excavator malfunctions and logistical/coordination issues with other contractors on-site, no ground intrusive/SMD work was performed.

**Material Tracking:**

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

**Samples Collected:**

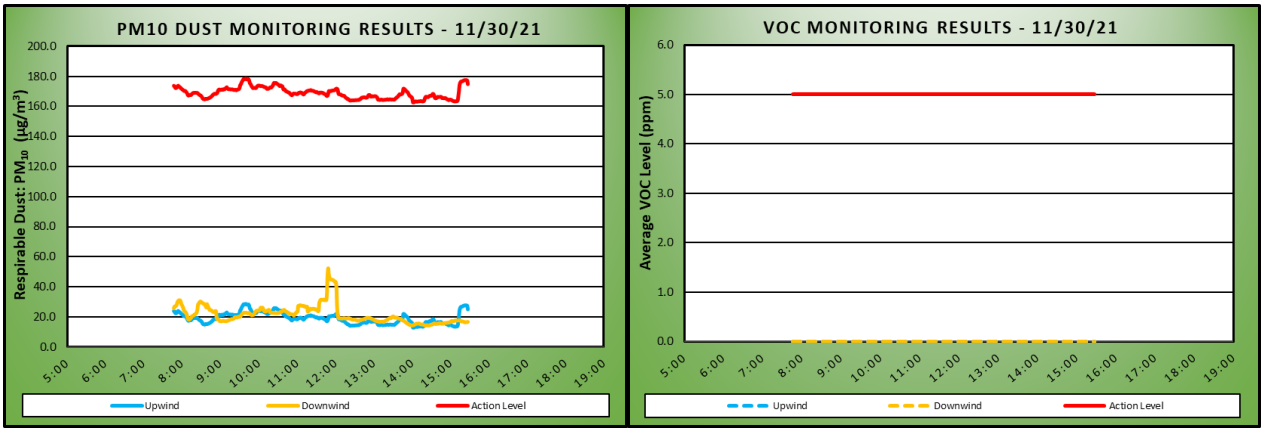
- No samples were collected from site.

## Air Monitoring

| Particulate Monitoring (µg/m³) | | | Organic Vapor Monitoring (ppm) | | |
|---|---|---|---|---|---|
| Daily background | 24.1 | | Daily background | 0.0 | |
| Averaging Period | Upwind | Downwind | Averaging Period | Upwind | Downwind |
| Daily Time Weighted Average | 19.1 | 21.4 | Daily Time Weighted Average | 0.0 | 0.0 |
| Maximum 15-min Average | 28.6 | 52.5 | Maximum 15-min Average | 0.0 | 0.0 |
| Minimum 1-min Instant Reading | 10.4 | 12.3 | Minimum 1-min Instant Reading | 0.0 | 0.0 |
| Maximum 1-min Instant Reading | 78.3 | 211.5 | 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 complete the SMD system installation in waste characterization grid COMP G.
- STNY will regrade waste characterization grids COMP J North and COMP J South (courtyards), install the demarcation barrier, and backfill.
- STNY will continue excavating for utilities and will continue exporting soil for off-site disposal.



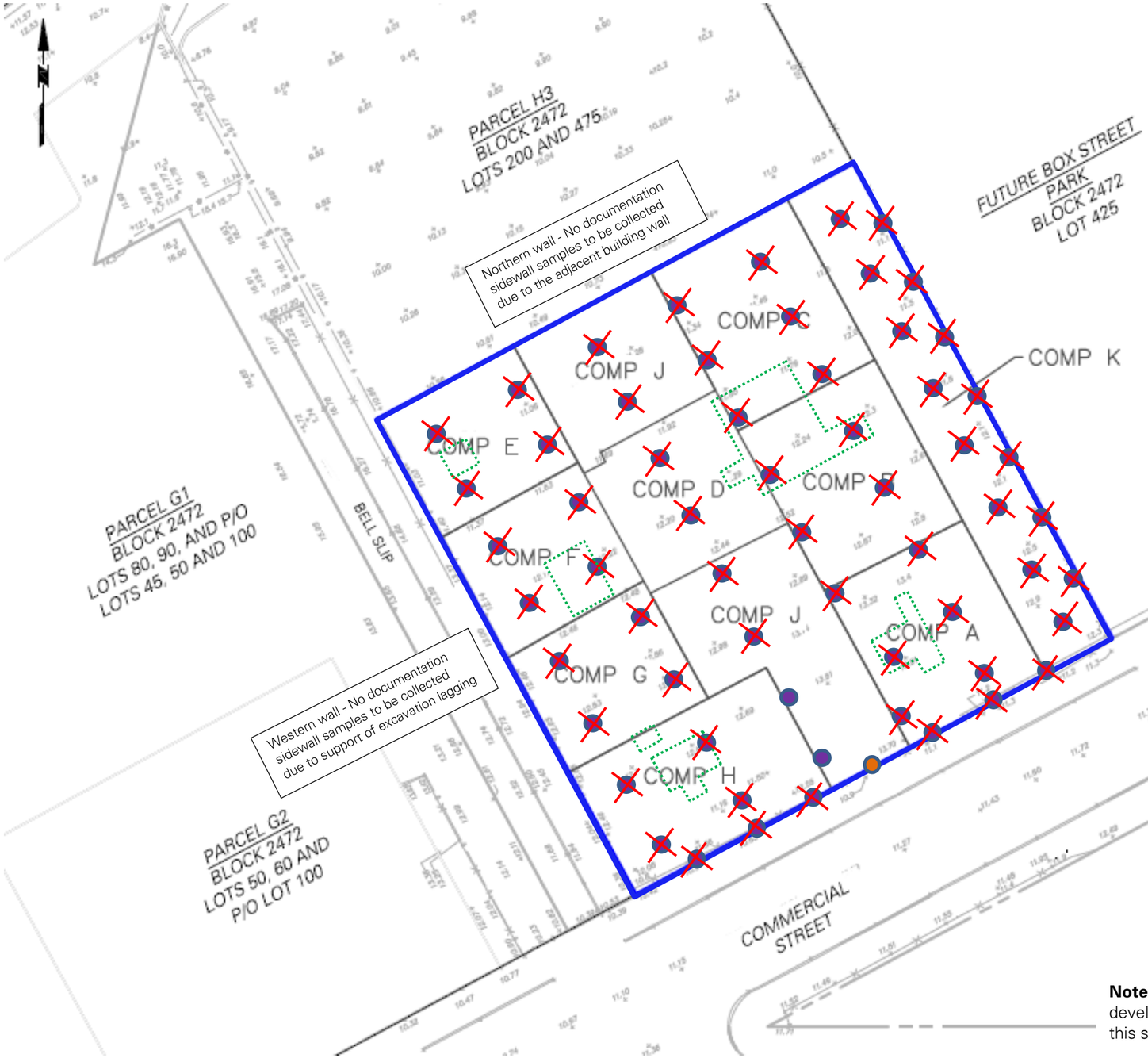
**File Name:** 2021-11-30 Daily Field Report_102

## SITE PLAN


**Note:** Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

- **Site Boundary**
- **Waste Characterization Grid COMP I (5-10)**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Location of Concrete Pouring**
- **Approximate Area of Installed Demarcation Layer**
- **2 Foot Remedial Excavation Completed**
- **2 Foot Remedial Excavation Completed, Demarcation Layer Installed, and 2 Feet of Clean Cover Layer Placed**

## DOCUMENTATION SAMPLE PLAN




**Site Boundary**

**Waste Characterization Grid COMP I (5-10)**

**Proposed Base Documentation Sample Location**

**Proposed Base Documentation Sample Location**

**Documentation Sample Collected Today**

**Previously Collected Documentation Sample**

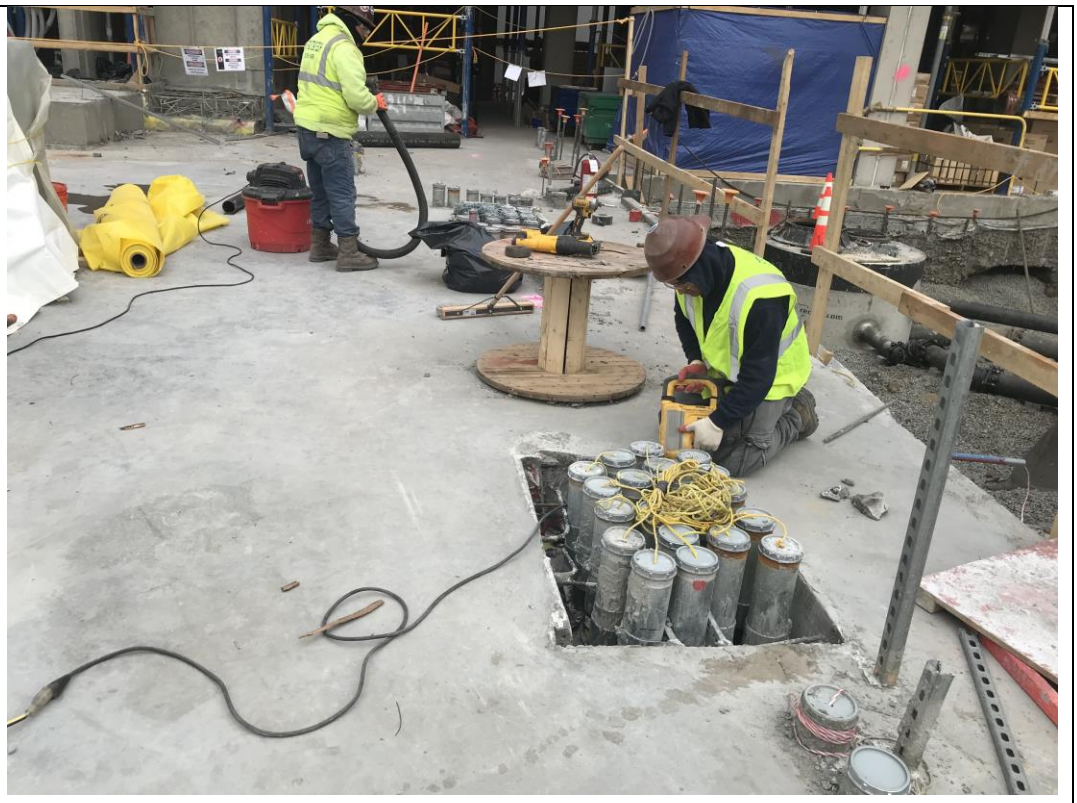
**Note:** Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

## WATERPROOFING/VAPOR BARRIER AND SMD INSTALLATION MAP

**Note:** Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

- **Site Boundary**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower A**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower B**
- **SMD System Installation In Progress (Geotextile/Aggregate)**
- **SMD System Installation In Progress (SMD Piping)**
- **SMD System Installation In Progress (Waterproofing/Vapor Barrier)**
- **Concrete Foundation Slab Poured**

# Photo Log

| | |
|---|---|
| **Photo 1:**<br>View of STNY preparing utility piping penetrations for liquid membrane application in waste characterization grid COMP G (facing north). |  |
| **Photo 2:**<br>View of STNY cleaning a sewer ejector pit in waste characterization grids COMP H and COMP G (facing west). |  |

**DAILY FIELD REPORT 103**

Prepared By: LANGAN

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

| | | | |
|---|---|---|---|
| **BCP Project No:** | C224304 | **Date:** | December 1, 2021 |
| **Project Name:** | 45 Commercial Street | **Time:** | 6:45 am to 4:15 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)
**Building Contractor:** Highbury Concrete, Inc. (Highbury)
**Soil Broker:** Clean Earth, Inc. (CE)

**Langan Field Personnel:**
Yaskira Mota

**Work Activities Performed:**

- STNY graded an about 32-foot-long by 22-foot-wide area to 2 feet below grade surface (bgs) (from original site grade) in waste characterization grid COMP J South to prepare for future placement of the demarcation layer. Excavated material consisted of imported 0.75-inch stone and non-native soil that did not exhibit signs of chemical- or petroleum-like contamination. Excavated material was stockpiled adjacent to the excavation in waste characterization grid COMP J South.
- STNY backfilled an about 25-foot-long by 17-foot-wide previous excavation area in waste characterization grid COMP J South from a maximum depth of about 5 feet bgs (from original site grade) to about 2 feet bgs with imported 0.75-inch stone that was previously excavated from the same area.
- STNY sealed vapor barrier utility pipe penetrations at two locations in waste characterization grid COMP G using Stego® Mastic.
- Highbury poured concrete for the building foundation slab at two utility pipe penetrations in waste characterization grid COMP G.
- Highbury poured a concrete foundation in waste characterization grid COMP J South for a construction hoist.

**Material Tracking:**

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

**Samples Collected:**

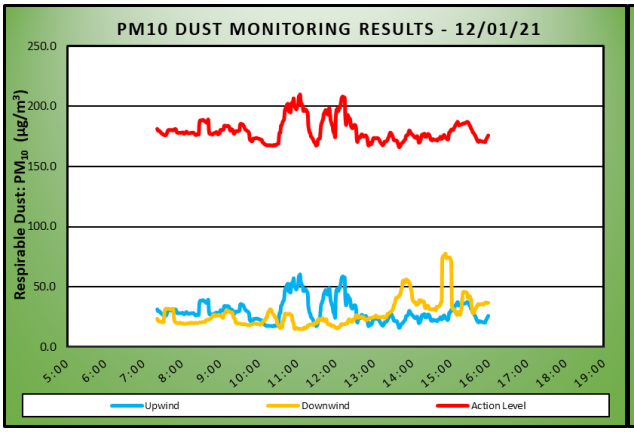
- No samples were collected from site.

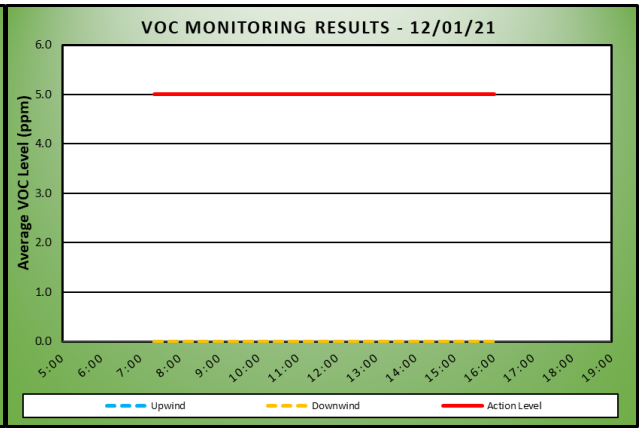
## Air Monitoring

| Particulate Monitoring (µg/m³) | | | Organic Vapor Monitoring (ppm) | | |
|---|---|---|---|---|---|
| Daily background | 30.1 | | Daily background | 0.0 | |
| Averaging Period | Upwind | Downwind | Averaging Period | Upwind | Downwind |
| Daily Time Weighted Average | 29.8 | 28.0 | Daily Time Weighted Average | 0.0 | 0.0 |
| Maximum 15-min Average | 60.2 | 77.8 | Maximum 15-min Average | 0.0 | 0.0 |
| Minimum 1-min Instant Reading | 7.5 | 11.4 | Minimum 1-min Instant Reading | 0.0 | 0.0 |
| Maximum 1-min Instant Reading | 271.8 | 572.0 | 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 regrade waste characterization grids COMP J North and COMP J South (courtyards), install the demarcation barrier, and backfill.
- STNY will continue excavating for utilities and will continue exporting soil for off-site disposal.



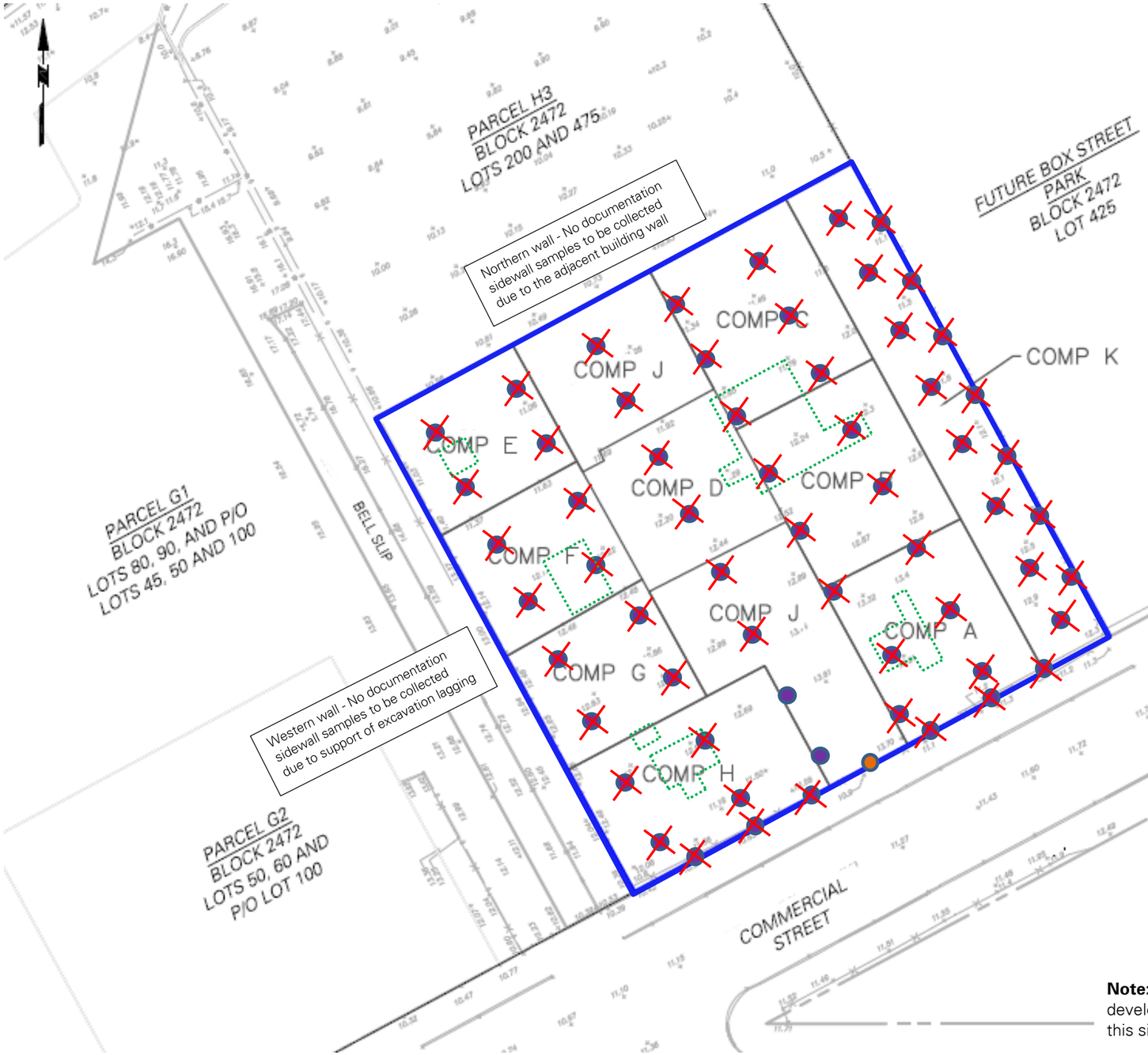
**File Name:** 2021-12-01 Daily Field Report_103

# SITE PLAN


**Note:** Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

- **Site Boundary**
- **Waste Characterization Grid COMP I (5-10)**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Location of Concrete Pouring**
- **Approximate Area of Installed Demarcation Layer**
- **2 Foot Remedial Excavation Completed**
- **2 Foot Remedial Excavation Completed, Demarcation Layer Installed, and 2 Feet of Clean Cover Layer Placed**

## DOCUMENTATION SAMPLE PLAN




**Site Boundary**

**Waste Characterization Grid COMP I (5-10)**

**Proposed Base Documentation Sample Location**

**Proposed Base Documentation Sample Location**

**Documentation Sample Collected Today**

**Previously Collected Documentation Sample**

**Note:** Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

## WATERPROOFING/VAPOR BARRIER AND SMD INSTALLATION MAP

**Note:** Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

- **Site Boundary**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower A**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower B**
- **SMD System Installation In Progress (Geotextile/Aggregate)**
- **SMD System Installation In Progress (SMD Piping)**
- **SMD System Installation In Progress (Waterproofing/Vapor Barrier)**
- **Concrete Foundation Slab Poured**

# Photo Log

| | |
|---|---|
| **Photo 1:**<br>View of STNY grading an area in waste characterization grid COMP J South (facing north). |  |
| **Photo 2:**<br>View of STNY sealing vapor barrier penetrations using Stego® Mastic in waste characterization grid COMP G (facing south). |  |

| | |
|---|---|
| **Photo 3:**<br>View of sealed vapor barrier penetrations in waste characterization grid COMP G (facing south). |  |
| **Photo 4:**<br>View of Highbury pouring concrete at utility penetrations in waste characterization grid COMP G (facing west). |  |

**DAILY FIELD REPORT 104**

Prepared By: LANGAN

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

| | | | |
|---|---|---|---|
| **BCP Project No:** | C224304 | **Date:** | December 2, 2021 |
| **Project Name:** | 45 Commercial Street | **Time:** | 6:45 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)
**Building Contractor:** Highbury Concrete, Inc. (Highbury)
**Soil Broker:** Clean Earth, Inc. (CE)

**Langan Field Personnel:**
Yaskira Mota

**Work Activities Performed:**

- STNY relocated a soil stockpile[1] within waste characterization grid COMP J South in preparation for off-site disposal.
- STNY excavated the following areas of the site.
    - An about 45-foot-long by 5-foot-wide area to about 6 feet below grade surface (bgs) (from original site grade) in waste characterization grid COMP J South for electric utility piping installation. Excavated material consisted of imported 0.75-inch stone and non-native soil that did not exhibit signs of chemical- or petroleum-like contamination. Excavated material was added to an existing soil stockpile[1] located in waste characterization grid COMP J South.
    - STNY excavated three about 4-foot-long by 4- foot-wide test pits to 7 feet bgs (from original site grade) to facilitate the collection of hotspot endpoint samples at the LB18 hotspot. Excavated material consisted of imported 0.75-inch stone and was temporarily stockpiled adjacent to the excavations. Following sample collection, the excavated stone was used to backfill the test pits.
- STNY regraded/flattened an about 32-foot-long by 31-foot-wide area, an about 54-foot-long by 12-foot-wide area, and an about 59-foot-long by 20-foot-wide area in waste characterization grid COMP J South to 2 feet bgs (from original site grade) to prepare for future demarcation layer installation. Excess material consisted of imported 0.75-inch stone and non-native soil that did not exhibit signs of chemical- or petroleum-like contamination. The excess material was added to an existing soil stockpile[1] in waste characterization grid COMP J South.

[1] MEP Trench 2, COMP J South (0-2)

**Material Tracking:**

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

**Samples Collected:**

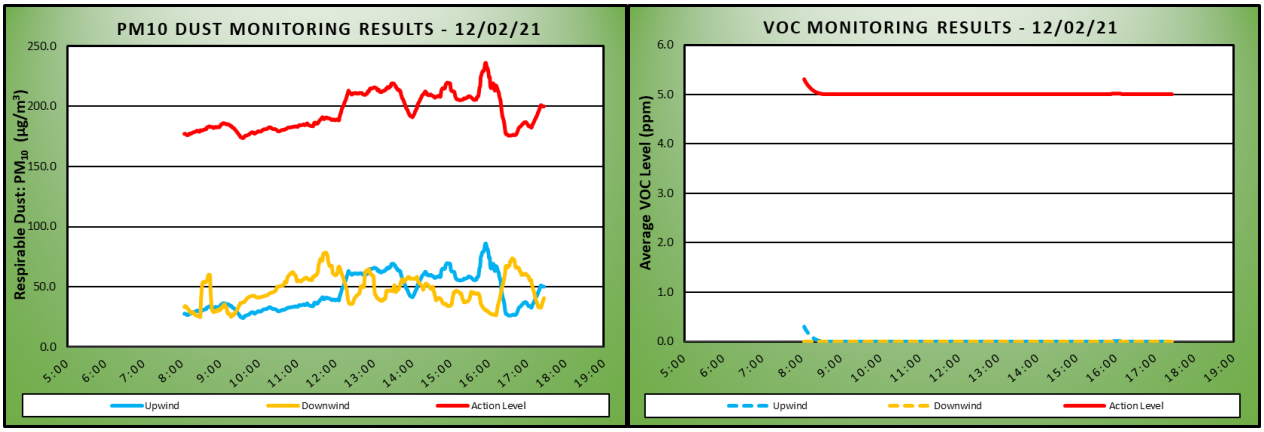
- Langan collected four hotspot endpoint soil samples from the LB18 hotspot. The hotspot excavation soil samples were submitted to Alpha Analytical Laboratories, Inc. (Alpha) for analysis of per- and polyfluoroalkyl substances (PFAS).
    - LB18_EPB01_7 (base sample)
    - LB18_EPSW01_N_7 (north sidewall)
    - LB18_EPSW03_S_7 (south sidewall)
    - LB18_EPSW04_W_7 (west sidewall)
- Langan collected three documentation soil samples, two at 2 feet bgs and one at the remedial excavation sidewall in waste characterization grids COMP J South and COMP H, respectively. Three quality assurance/quality control (QA/QC) soil samples and one field blank were also collected. The soil samples and field blank 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).
    - EP39_2
    - EP45_2
    - EPSW03
    - EPDUP03_120221 (duplicate of EPSW03)
    - EP45_2_MS03 (matrix spike)
    - EP45_2_MSD03 (matrix spike duplicate)
    - EPFB03_120221 (field blank)

## Air Monitoring

| Particulate Monitoring (µg/m³) | | | Organic Vapor Monitoring (ppm) | | |
|---|---|---|---|---|---|
| Daily background | 30.2 | | Daily background | 0.2 | |
| Averaging Period | Upwind | Downwind | Averaging Period | Upwind | Downwind |
| Daily Time Weighted Average | 45.4 | 46.7 | Daily Time Weighted Average | 0.0 | 0.0 |
| Maximum 15-min Average | 86.2 | 78.4 | Maximum 15-min Average | 0.3 | 0.0 |
| Minimum 1-min Instant Reading | 22.3 | 18.3 | Minimum 1-min Instant Reading | 0.0 | 0.0 |
| Maximum 1-min Instant Reading | 172.3 | 24.0 | Maximum 1-min Instant Reading | 0.6 | 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 regrade waste characterization grids COMP J North and COMP J South (courtyards), install the demarcation barrier, and backfill.
- STNY will continue excavating for utilities and will continue exporting soil for off-site disposal.

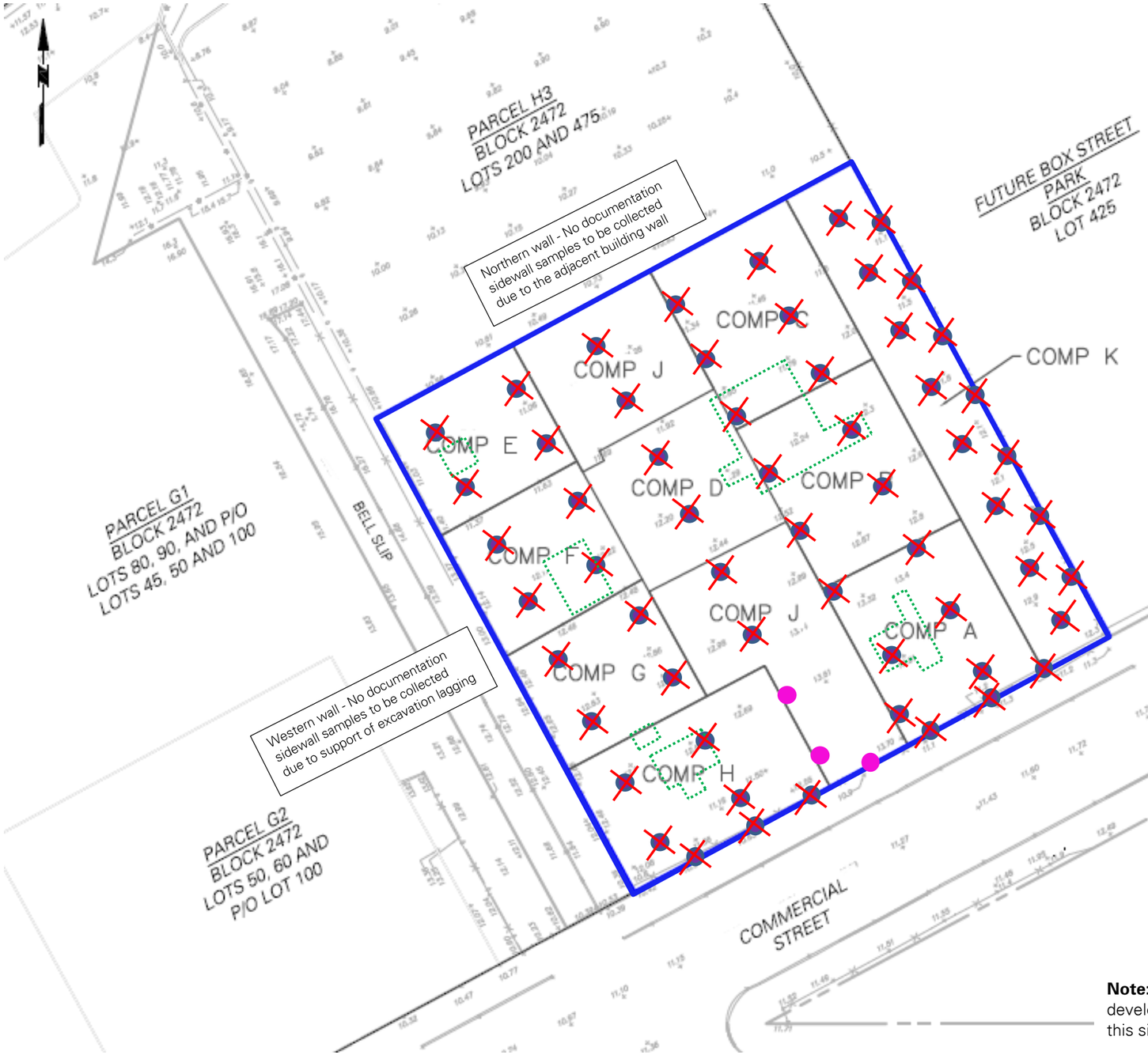

**File Name:** 2021-12-02 Daily Field Report_104

## SITE PLAN


**Note:** Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

- **Site Boundary**
- **Waste Characterization Grid COMP I (5-10)**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Location of Concrete Pouring**
- **Approximate Area of Installed Demarcation Layer**
- **2 Foot Remedial Excavation Completed**
- **2 Foot Remedial Excavation Completed, Demarcation Layer Installed, and 2 Feet of Clean Cover Layer Placed**
- **Approximate Location of Documentation Sample**

## DOCUMENTATION SAMPLE PLAN




**Site Boundary**

**Waste Characterization Grid**
**COMP I (5-10)**

**Proposed Base Documentation Sample Location**

**Proposed Base Documentation Sample Location**

**Documentation Sample Collected Today**

**Previously Collected Documentation Sample**

**Note:** Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

## WATERPROOFING/VAPOR BARRIER AND SMD INSTALLATION MAP

**Note:** Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

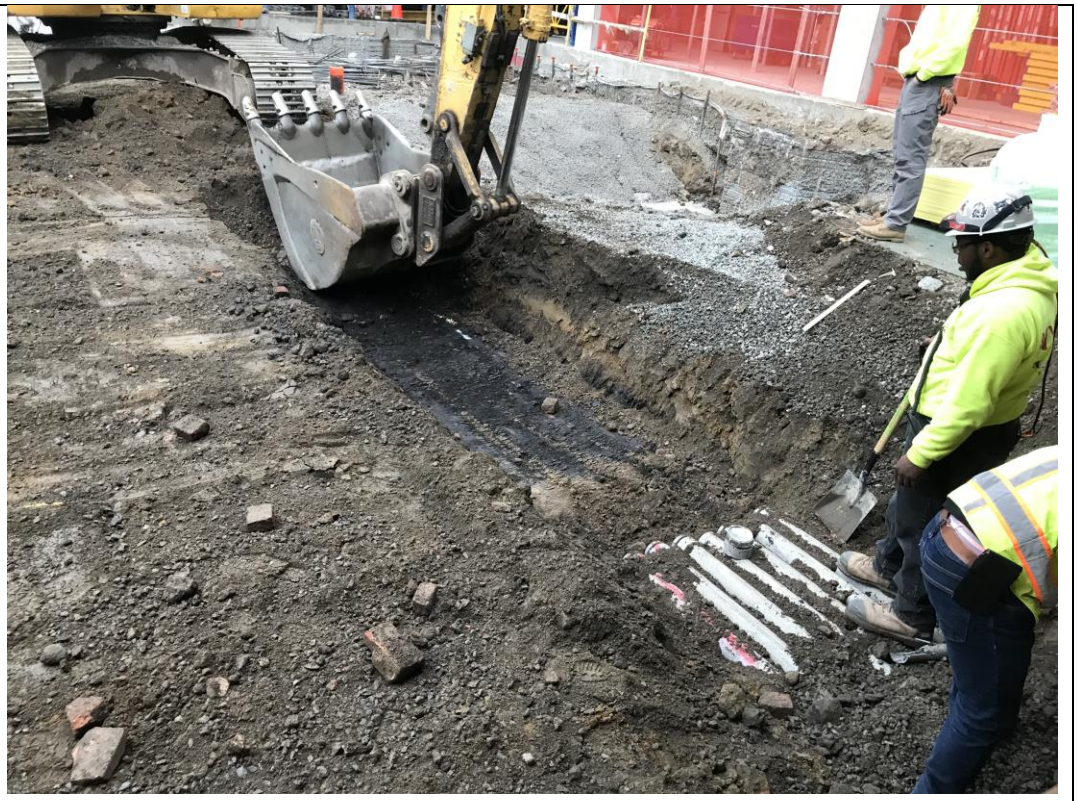
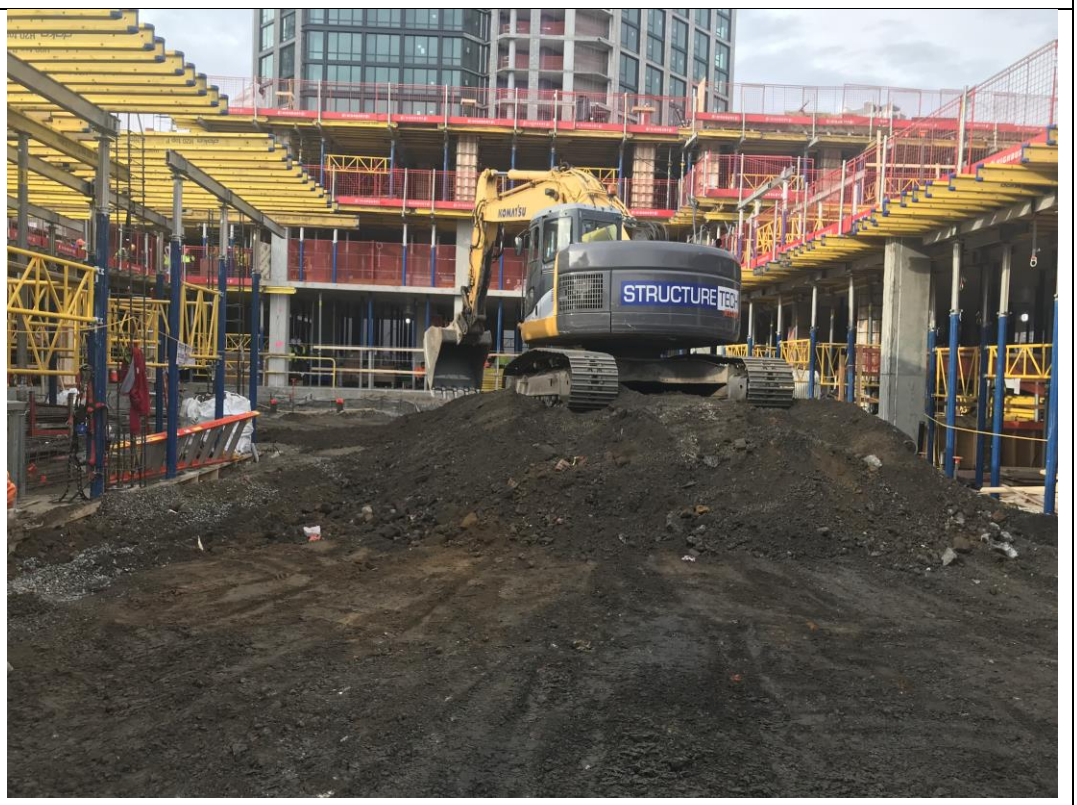
- **Site Boundary**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower A**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower B**
- **SMD System Installation In Progress (Geotextile/Aggregate)**
- **SMD System Installation In Progress (SMD Piping)**
- **SMD System Installation In Progress (Waterproofing/Vapor Barrier)**
- **Concrete Foundation Slab Poured**

# Photo Log

| | |
|---|---|
| **Photo 1:**<br>View of STNY regrading in waste characterization grid COMP J South (facing east). |  |
| **Photo 2:**<br>View of STNY regrading in waste characterization grid COMP J South (facing north). |  |



**File Name:** 2021-12-02 Daily Field Report_104

| | |
|---|---|
| **Photo 3:**<br>View of STNY excavating in waste characterization grid COMP J South for electric utility piping installation (facing southwest). |  |
| **Photo 4:**<br>General view of the site (facing north) |  |



**File Name:** 2021-12-02 Daily Field Report_104

# DAILY FIELD REPORT 105

Prepared By: LANGAN

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

| | | | |
|---|---|---|---|
| **BCP Project No:** | C224304 | **Date:** | December 3, 2021 |
| **Project Name:** | 45 Commercial Street | **Time:** | 5:45 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)
**Building Contractor:** Highbury Concrete, Inc. (Highbury)
**Soil Broker:** Clean Earth, Inc. (CE)

**Langan Field Personnel:**
Yaskira Mota

**Work Activities Performed:**

- STNY relocated a soil stockpile[1] within waste characterization grid COMP J to make room for concrete pouring for the building in waste characterization grids COMP E and COMP F.
    - A portion of the stockpile was loaded into trucks for disposal to the Clean Earth of Carteret facility located in Carteret, New Jersey.
- STNY excavated an about 10-foot-long by 5-foot-wide area to about 6 feet below grade surface (bgs) (from original site grade) in waste characterization grid COMP J South for electrical utility piping installation. Excavated material consisted of imported 0.75-inch stone and non-native soil that did not exhibit signs of chemical- or petroleum-like contamination. Excavated material was added to the existing soil stockpile[1] located in COMP J South.
- STNY backfilled an about 55-foot-long by 5-foot-wide area from about 6 to 2 feet bgs in waste characterization grid COMP J South with New York State Department of Environmental Conservation (NYSDEC)-approved 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry to fill in an electrical utility trench.

**Material Tracking:**

- The following soil/fill was exported from the site:
    - Three truckloads of non-native soil were transported to the CEC facility located in Carteret, New Jersey.
- The following materials were imported to the site:
    - Three loads of 0.75-inch virgin stone from Tilcon – Mt. Hope Quarry located in Wharton Borough, New Jersey.

**Samples Collected:**

- No samples were collected

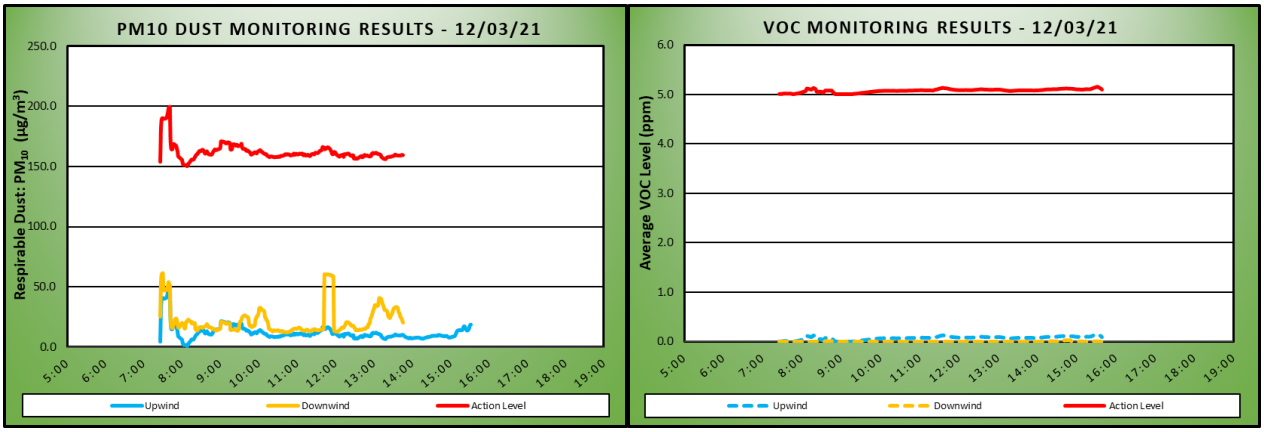
[1] MEP Trench 2, COMP J South (0-2)

## Air Monitoring

| Particulate Monitoring (µg/m³) | | | Organic Vapor Monitoring (ppm) | | |
|---|---|---|---|---|---|
| Daily background | 14.3 | | Daily background | 0.0 | |
| Averaging Period | Upwind | Downwind | Averaging Period | Upwind | Downwind |
| Daily Time Weighted Average | 11.7 | 22.3 | Daily Time Weighted Average | 0.1 | 0.0 |
| Maximum 15-min Average | 50.0 | 61.5 | Maximum 15-min Average | 0.2 | 0.0 |
| Minimum 1-min Instant Reading | 0.0 | 4.3 | Minimum 1-min Instant Reading | 0.0 | 0.0 |
| Maximum 1-min Instant Reading | 402.8 | 687.0 | Maximum 1-min Instant Reading | 0.5 | 0.3 |

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

Particulate data was not collected at the downwind station after 13:47 due to a connectivity issue. The manufacturer was contacted and the issue will be resolved the following 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:

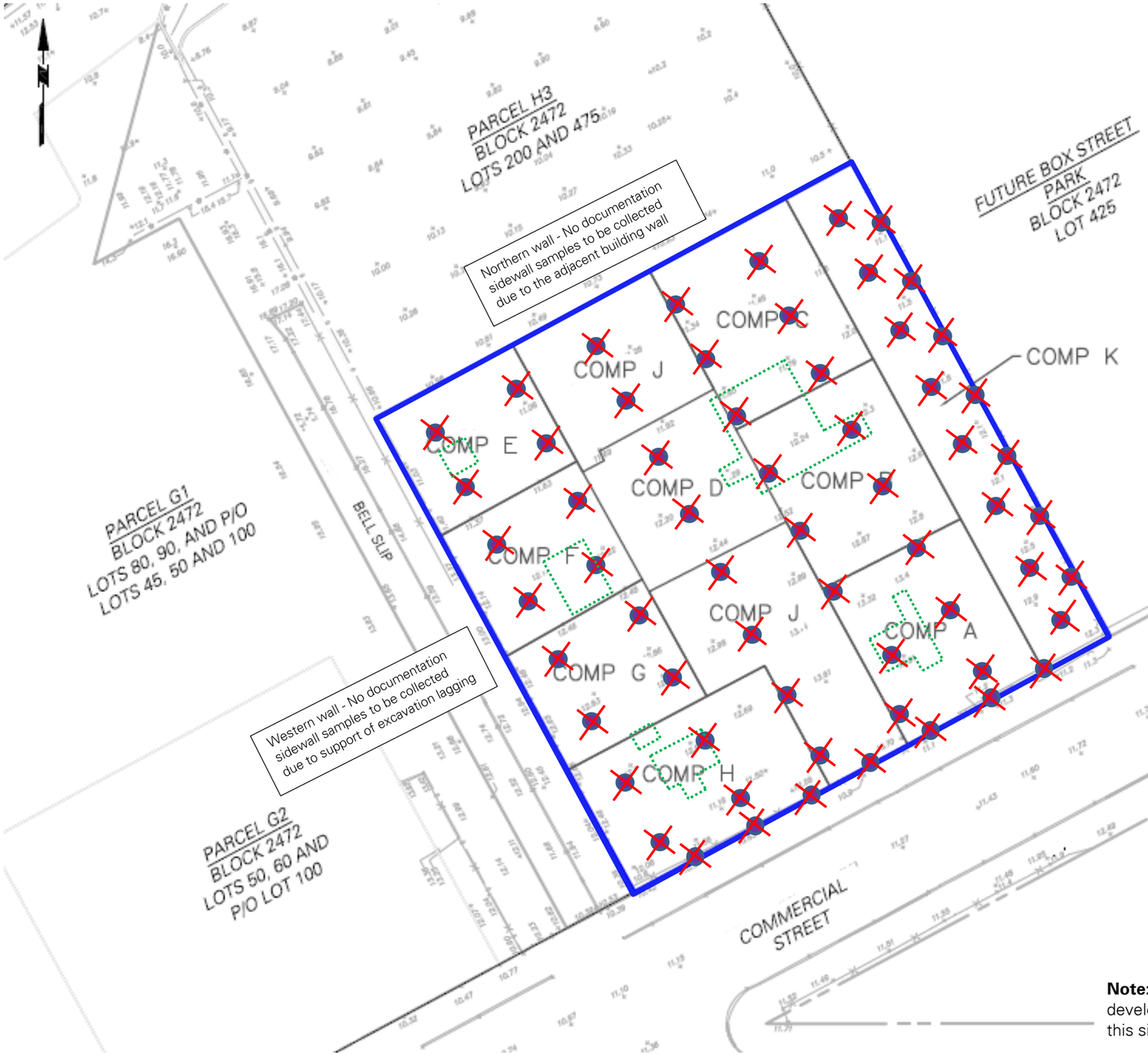
- STNY will regrade waste characterization grids COMP J North and COMP J South (courtyards), install the demarcation barrier, and backfill.
- STNY will continue excavating for utilities and will continue exporting soil for off-site disposal.

## SITE PLAN


**Note:** Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

- **Site Boundary**
- **Waste Characterization Grid COMP I (5-10)**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Location of Concrete Pouring**
- **Approximate Area of Installed Demarcation Layer**
- **2 Foot Remedial Excavation Completed**
- **2 Foot Remedial Excavation Completed, Demarcation Layer Installed, and 2 Feet of Clean Cover Layer Placed**
- **Approximate Location of Documentation Sample**

## DOCUMENTATION SAMPLE PLAN




**Site Boundary**

**Waste Characterization Grid COMP I (5-10)**

**Proposed Base Documentation Sample Location**

**Proposed Base Documentation Sample Location**

**Documentation Sample Collected Today**

**Previously Collected Documentation Sample**

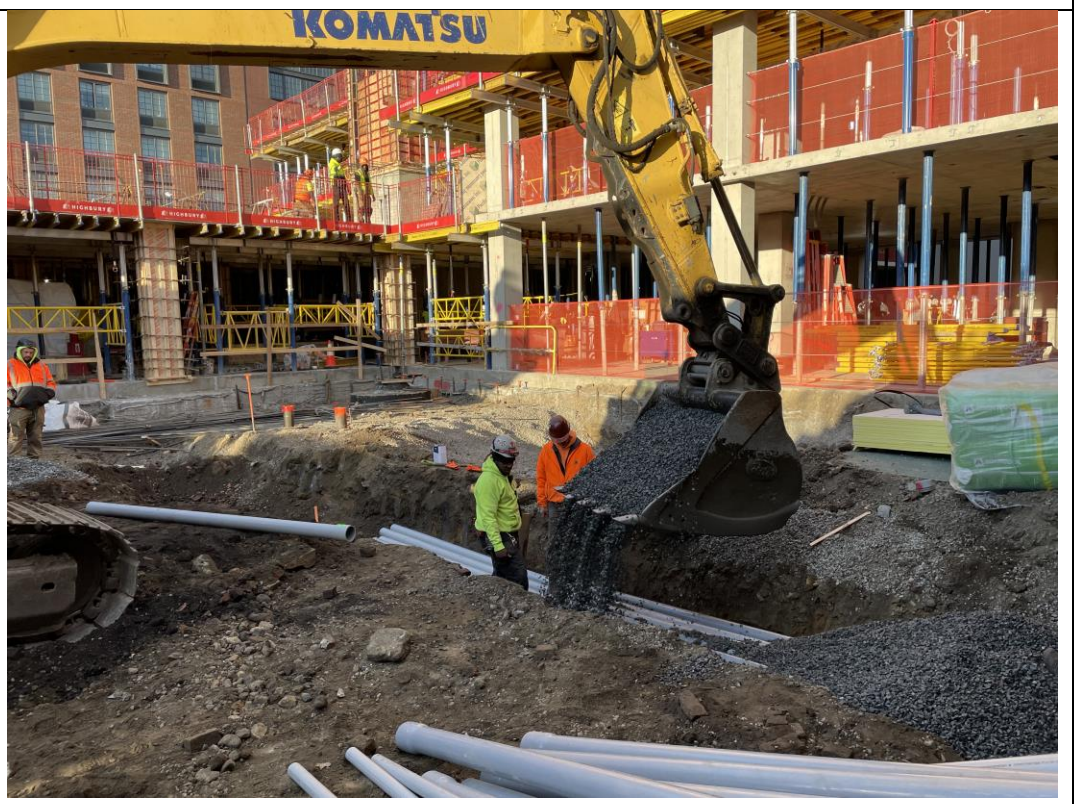
**Note:** Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

## WATERPROOFING/VAPOR BARRIER AND SMD INSTALLATION MAP

**Note:** Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

- **Site Boundary**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower A**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower B**
- **SMD System Installation In Progress (Geotextile/Aggregate)**
- **SMD System Installation In Progress (SMD Piping)**
- **SMD System Installation In Progress (Waterproofing/Vapor Barrier)**
- **Concrete Foundation Slab Poured**

# Photo Log

| | |
|---|---|
| **Photo 1:**<br>View of STNY loading a truck with soil for off-site disposal to the CEC facility (facing north). |  |
| **Photo 2:**<br>View of STNY backfilling the electrical utility excavation with 0.75-inch stone in waste characterization grid COMP J South (facing northwest). |  |



**File Name:** 2021-12-03 Daily Field Report_105

| | |
|---|---|
| **Photo 3:**<br>View of STNY excavating for electrical utility piping installation in waste characterization grid COMP J South (facing north). |  |
| **Photo 4:**<br>View of STNY relocating a soil stockpile within waste characterization grid COMP J South (facing east) |  |