DAILY FIELD REPORT 039

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 30, 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

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 in waste characterization grid COMP F (0-5) to about 2 feet below grade surface (bgs)(from original site grade) in preparation for plumbing piping installations. Excavated material consisted of previously installed New York State Department of Environmental Conservation (NYSDEC)-approved 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry and was stockpiled adjacent to the excavations in waste characterization grid COMP F.
    - An about 40-foot-long by 2-foot-wide area.
    - An about 20-foot-long by 2-foot-wide area.
    - An about 12-foot-long by 2-foot-wide area.
- 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 23-foot-long by 15-foot-wide area to about 6 feet bgs (about 8 feet below original site grade) in waste characterization grids COMP B (0-5) and COMP I (5-10) for the foundation mat. Excavated material was added to Soil Stockpile 1.
    - An about 15-foot-long by 14-foot-wide area to about 6 feet bgs (about 8 feet below original site grade) in waste characterization grids COMP C (0-5) and COMP I (5-10) for the foundation mat. Excavated material was added to Soil Stockpile 1 or live loaded onto trucks for off site disposal to the Clean Earth of Bethlehem (CEPA) facility located in Bethlehem, Pennsylvania.
    - An about 37-foot-long by 8-foot-wide area to 3 foot bgs (about 5 feet below original site grade) in waste characterization grid COMP B (0-5) and COMP A (0-5) in preparation for grade beam installation. Excavated material was added to Soil Stockpile 1.
    - An about 16-foot-long by 10-foot-wide area to 7 foot bgs (about 8 feet below original site grade) in waste characterization grid COMP A (0-5) in preparation for pile cap installation. Excavated material was added to Soil Stockpile 1.
    - An about 25-foot-long by 7-foot-wide area to 1 foot bgs (from original site grade) in waste characterization grid COMP K (0-2) to allow for vehicle travel. Excavated material was added to Soil Stockpile 1 or live loaded onto trucks for off-site disposal to the CEPA facility located in Bethlehem, Pennsylvania.
- STNY backfilled an about 120-foot-long by 2.5-foot-wide area around the foundation mat in waste characterization grids COMP A, COMP B, and COMP C from about 8 feet bgs (from original site grade) to about 4 feet bgs with NYSDEC-approved 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry to raise the site grade.

Material Tracking:

- The following soil/fill was exported from the site:
  - 12 loads of non-native soil were transported to the Clean Earth of Bethlehem (CEPA) facility located in Bethlehem, Pennsylvania.
- The following materials were imported to the site:
  - STNY imported 4 loads of 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry.

Samples Collected:

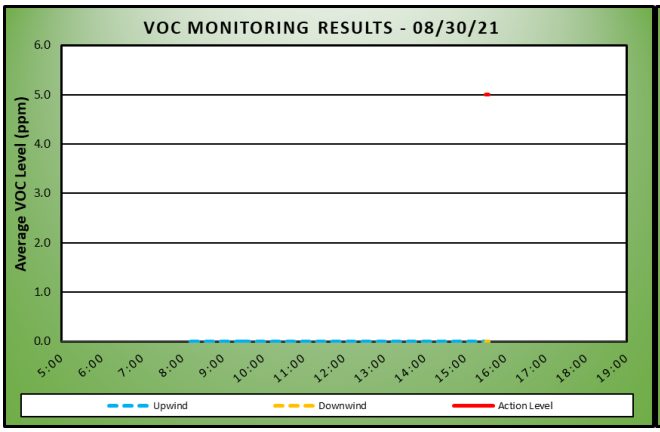
- Langan collected three documentation samples, one at 2 feet bgs and two at 8 feet bgs in waste characterization grids COMP C, COMP B and COMP A, and three quality assurance/quality control (QA/QC) samples. The soil samples were submitted to Alpha Analytical Laboratories, Inc. for analysis of Part 375 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).
  - EP10_2
  - EP16_8
  - EP22_8
  - EPDUP01_083021 (duplicate of EP10_2)
  - EP16_8_MS01 (matrix spike)
  - EP16_8_MSD01 (matrix spike duplicate)

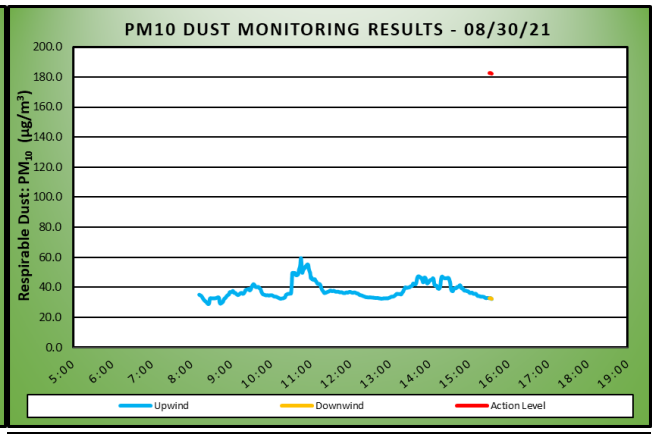
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	35.2		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	37.9	32.6	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	59.7	32.9	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	27.0	30.0	Minimum 1-min Instant Reading	0.0	0.1
Maximum 1-min Instant Reading	159.3	36.0	Maximum 1-min Instant Reading	0.1	0.0

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

Data was not collected until 15:29 at the downwind station due to lack of power on site. Restoration of power is planned for the following week. 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:

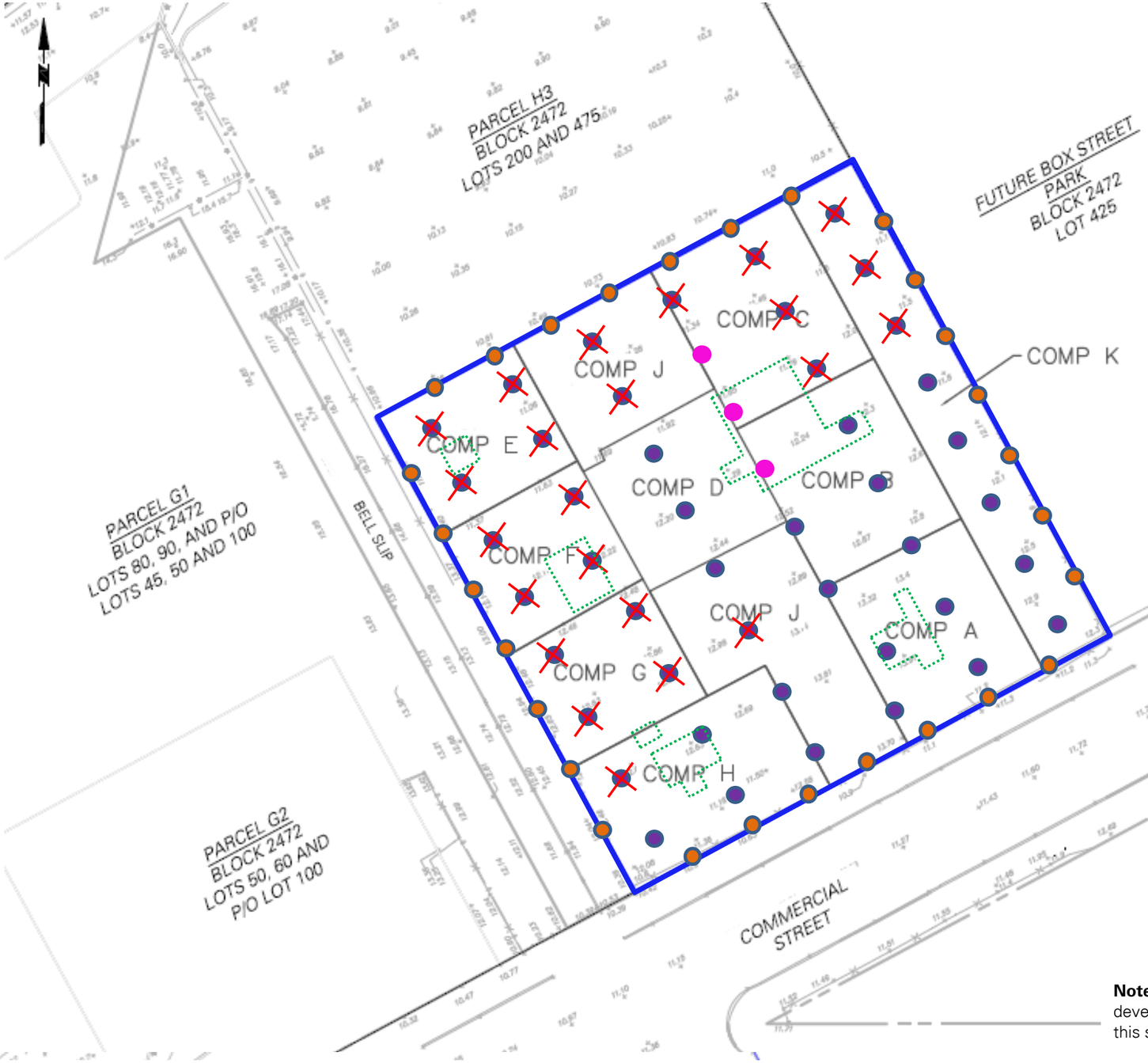
- STNY will continue to excavate for the remedial excavation and for pile cap installations.
- STNY will continue to backfill with 0.75-inch stone from Tilcon – Mt. Hope Quarry.
- STNY will continue production pile driving.
- STNY will continue to export stockpiled soil to Clean Earth of Bethlehem, located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

SITE PLAN

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 (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 Hotspot Endpoint Sample**

DOCUMENTATION SAMPLE 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)**
- **Proposed Base Documentation Sample Location**
- **Proposed Base Documentation Sample Location**
- **Documentation Sample Collected Today**
- **Previously Collected Documentation Sample**

Photo Log

Photo 1: View of STNY excavating in waste characterization grid COMP A (0-5) for a pile cap (facing east).	
Photo 2: View STNY backfilling with of 0.75-inch virgin stone around the foundation mat in waste characterization grids COMP C and COMP B (facing north).	

File Name: 2021-08-30 Daily Field Report_039

Photo 3: View of STNY excavating for plumbing in waste characterization grid COMP F (facing north).	
Photo 4: View of STNY loading a truck with soil for off-site disposal to CEPA (facing north).	

File Name: 2021-08-30 Daily Field Report_039

DAILY FIELD REPORT 040

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 31, 2021
Project Name:	45 Commercial Street	**Time:**	6:45 am to 4:00 pm

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

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

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 J South. All piles have been completed.
    - Pile #3 was driven to about 68 feet below grade surface (bgs) (elevation [el[1]] –-57.3±).
    - Pile #Hoist-E was driven to about 47 feet bgs (el –34.7±).
    - Pile #Hoist-W was driven to about 47 feet bgs (el –34.5±).
    - Pile #Hoist-S was driven to about 49 feet bgs (el –36.5±).
    - Pile #M5 was driven to about 54 feet bgs (el –41.8±).
    - Pile #M8 was driven to about 49 feet bgs (el –36.5±).
    - Pile #M6 was driven to about 50 feet bgs (el –38±).
    - Pile #M7 was driven to about 46 feet bgs (el –34.4±).
- 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 15-foot-long by 12-foot-wide area to 3 foot bgs (about 5 feet below original site grade) in waste characterization grid COMP B (0-5) in preparation for pile cap installation. Excavated material was stockpiled in waste characterization grid COMP B (0-5) or live loaded onto trucks for off site disposal to the CEPA facility located in Bethlehem, Pennsylvania.
    - An about 15-foot-long by 13-foot-wide area to 3 foot bgs (about 5 feet below original site grade) in waste characterization grid COMP B (0-5) in preparation for pile cap installation. Excavated material was stockpiled in waste characterization grid COMP B (0-5) or live loaded onto trucks for off site disposal to the CEPA facility located in Bethlehem, Pennsylvania.
    - An about 13-foot-long by 13-foot-wide area to 3 foot bgs (about 5 feet below original site grade) in waste characterization grid COMP B (0-5) in preparation for pile cap installation. Excavated material was stockpiled in waste characterization grid COMP B (0-5) or live loaded onto trucks for off site disposal to the CEPA facility located in Bethlehem, Pennsylvania.
    - An about 27-foot-long by 5-foot-wide area to 3 foot bgs (about 5 feet below original site grade) in waste characterization grid COMP F (0-5) in preparation for electrical utility piping installation. Excavated material was stockpiled on the boundary between waste characterization grids COMP F and COMP D.
- 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 to raise the site grade.
    - An about 12-foot-long by 11-foot-wide area in waste characterization grid COMP C from about 2 feet bgs (from original site grade) to original site grade.
    - An about 25-foot-long by 22-foot-wide area in waste characterization grid COMP C and COMP J North from about 2 feet bgs (from original site grade) to about 1 foot bgs.

- An about 105-foot-long by 2-foot-wide area in waste characterization grids COMP B, COMP C, and COMP D from a maximum depth of about 8 feet bgs (from original site grade) to original site grade.
- An about 53-foot-long by 8-foot-wide area in waste characterization grids COMP A and COMP B from a maximum depth of about 7 feet bgs (about 8 feet below original site grade) to depths varying from about 5 feet bgs to about 2 feet bgs.

Material Tracking:

- The following soil/fill was exported from the site:
  - 4 loads of non-native soil were transported to the Clean Earth of Bethlehem (CEPA) facility located in Bethlehem, Pennsylvania.
- The following materials were imported to the site:
  - STNY imported 4 loads of 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry.

Samples Collected:

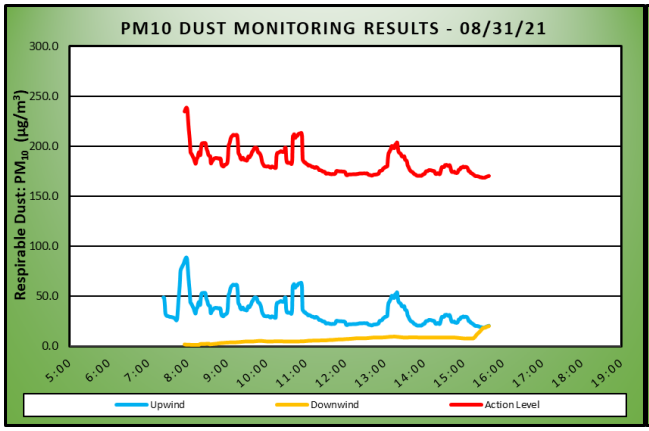
- Langan collected two documentation samples, one from 8 feet bgs and one from 2 feet bgs in waste characterization grids COMP B and COMP K, respectively. The documentation soil samples were submitted to Alpha Analytical Laboratories, Inc. for analysis of Part 375 volatile organic compounds (VOC), Part 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).
  - EP24_2
  - EP23_8
- Clean Earth, Inc. collected one sample set for waste characterization purposes, consisting of one composite sample and one grab sample from Soil Stockpile 1 and from a soil stockpile containing soil from waste characterization grids COMP A (5-6) and COMP B (5-6). The soil samples were submitted to Eurofins TestAmerica Laboratories, Inc. for analysis of VOCs, SVOCs, PCBs, pesticides/herbicides, TAL metals, toxixity characteristic leaching procedure (TCLP) metals, extracable petroleum hydrocarbons (EPH), and Resource Conservation and Recovery Act (RCRA) characteristics (corrosivity, ignitability, and reactivity).
  - H1H2-OE-Comp1
  - H1H2-OE-G1

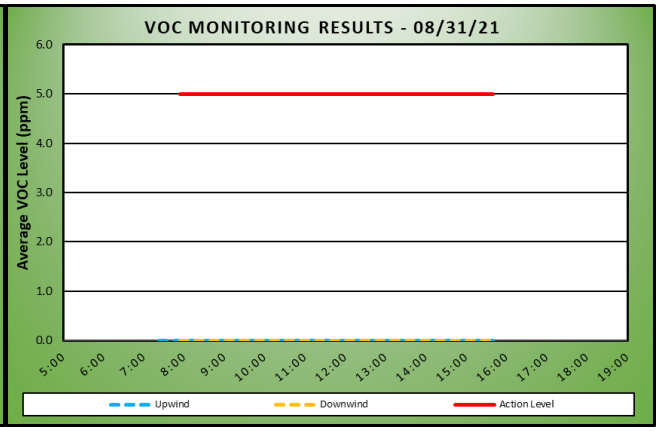
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	43.4		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	34.4	7.1	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	88.6	20.6	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	16.5	1.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	385.3	29.5	Maximum 1-min Instant Reading	0.0	0.0

µg/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:

- 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 to export stockpiled soil to Clean Earth of Bethlehem, located in Bethlehem Pennsylvania.
- STNY will continue to pour concrete for pile caps/grade beams.
- STNY will continue to excavate and install electric and plumbing utility pipes.

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 Hotspot Endpoint Sample**

DOCUMENTATION SAMPLE PLAN

Site Boundary

Proposed Base Documentation Sample Location

Proposed Base Documentation Sample Location

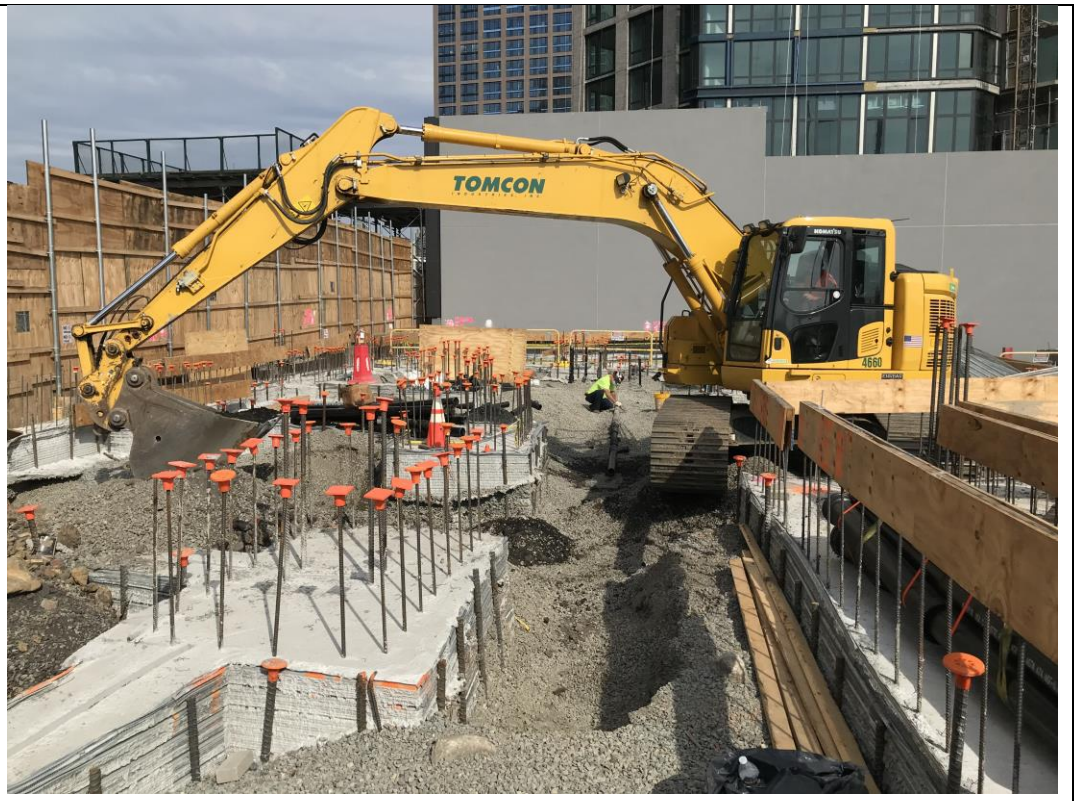
Documentation Sample Collected Today

Previously Collected Documentation Sample

File Name: 2021-08-31 Daily Field Report_040

Photo Log

Photo 1: View of STNY backfilling with 0.75-inch virgin stone in waste characterization grid COMP C (facing east).	
Photo 2: View of STNY backfilling with of 0.75-inch virgin stone in waste characterization grid COMP A (facing east).	

Photo 3: View of STNY excavating to install electrical utility piping in waste characterization grid COMP F (facing north).	
Photo 4: View of STNY excavating for pile caps in waste characterization grid COMP B (facing west).	

DAILY FIELD REPORT 041

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	September 1, 2021
Project Name:	45 Commercial Street	**Time:**	6:45 am to 3:00 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)
Utility Contractor: Trans City Water & Sewer (Trans City)

Langan Field Personnel:
Yaskira Mota Diaz

Work Activities Performed:

- STNY excavated an about 56-foot-long by 4.5-foot-wide L-shaped area to 5 feet below grade surface (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 grids COMP F and COMP D.

Material Tracking:

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

Samples Collected:

- No samples were collected on the site.

Air Monitoring

Community air monitoring was not performed due to inclement weather. On-site sources of VOCs were not observed and dust was not observed migrating off-site.

Planned Activities:

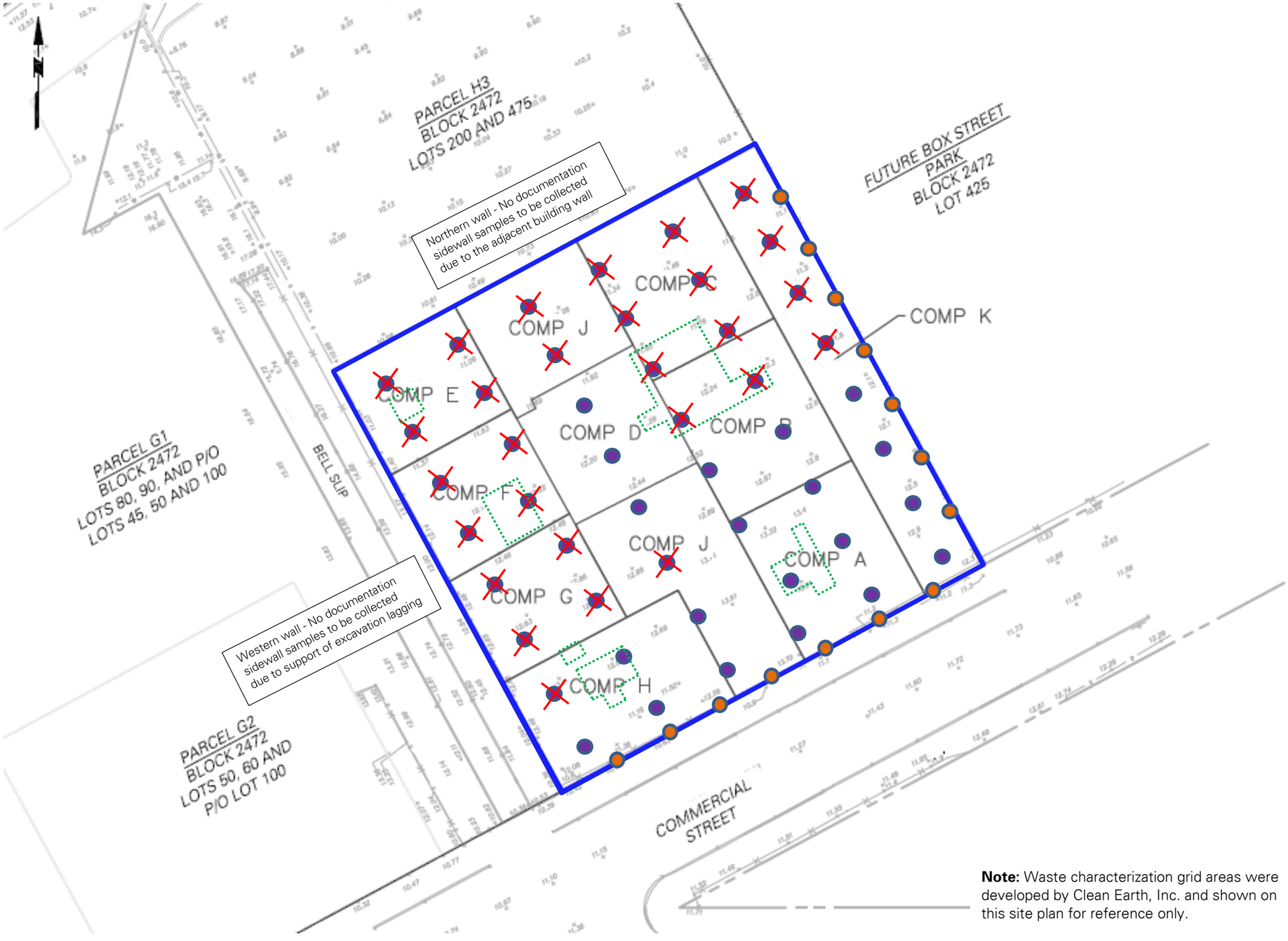
- STNY will continue mass excavating for the remedy, foundation elements, and utilities and will continue exporting soil for off-site disposal.
- STNY will continue pouring concrete for pile caps/grade beams.
- STNY will begin installing the waterproofing/vapor barrier at the mat slab.

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 (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 Hotspot Endpoint 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**
- **Approximate Location of Deep Foundation Elements (No Depressurization)**
- **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: View of STNY excavating in waste characterization grid COMP F (0-5) for electric utility piping (facing north).	
Photo 2: View of STNY excavating in waste characterization grid COMP F (0-5) for electric utility piping and stockpiling in waste characterization grids COMP D and COMP F (facing southwest).	

File Name: 2021-09-01 Daily Field Report_041

Photo 3: View of STNY excavating in waste characterization grid COMP F for electric utility piping (facing north).	
Photo 4: View of STNY excavating in waste characterization grid COMP F (0-5) for electric utility piping (facing west).	

File Name: 2021-09-01 Daily Field Report_041

DAILY FIELD REPORT 042

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	September 2, 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)

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)

Langan Field Personnel:
Yaskira Mota Diaz

Work Activities Performed:

- STNY excavated an about 30-foot-long by 2-foot-wide area to 5 feet below grade surface (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 grids COMP F and COMP D.
- STNY backfilled the following areas with New York State Department Environmental Conservation (NYSDEC)-approved 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry to fill in previous excavations.
    - An about 15-foot-long by 12-foot-wide area in waste characterization grid COMP B from about 5 foot bgs (from original site grade) to 3 feet bgs.
    - An about 15-foot-long by 13-foot-wide area in waste characterization grid COMP B from about 5 feet bgs (from original site grade) to 1 foot bgs.
    - An about 18-foot-long by 13-foot-wide area in waste characterization grids COMP G from about 2 feet bgs (from original site grade) to original site grade.
    - An about 25-foot-long by 25-foot-wide area in waste characterization grids COMP C from about 2 feet bgs (from original site grade) to original site grade.

Material Tracking:

- No soil/fill was exported from the site.
- The following materials were imported to the site:
    - STNY imported 3 loads of 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry.

Samples Collected:

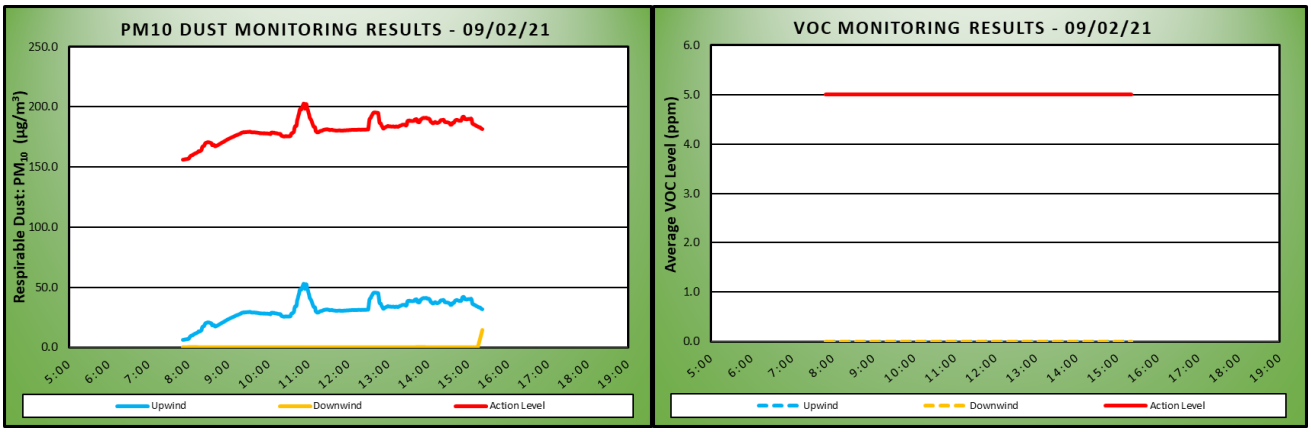
- No samples were collected on the site.

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	6.2		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	30.9	0.5	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	53.0	14.5	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	5.0	0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	96.0	33.0	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:

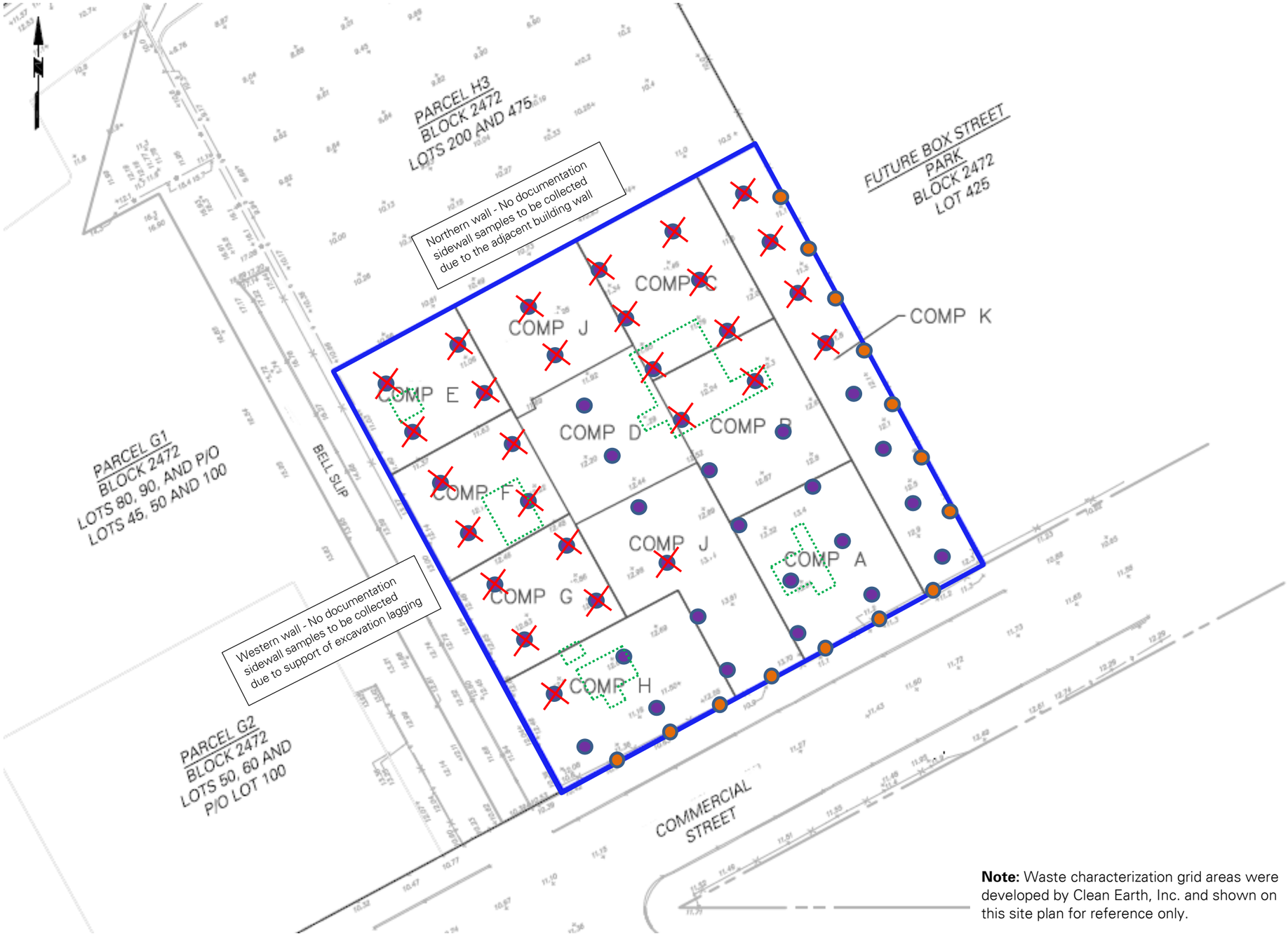
- STNY will continue mass excavating for the remedy, foundation elements, and utilities and will continue exporting soil for off-site disposal.
- STNY will continue pouring concrete for pile caps/grade beams.
- STNY will begin installing the waterproofing/vapor barrier at the mat slab.

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 (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 Hotspot Endpoint 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

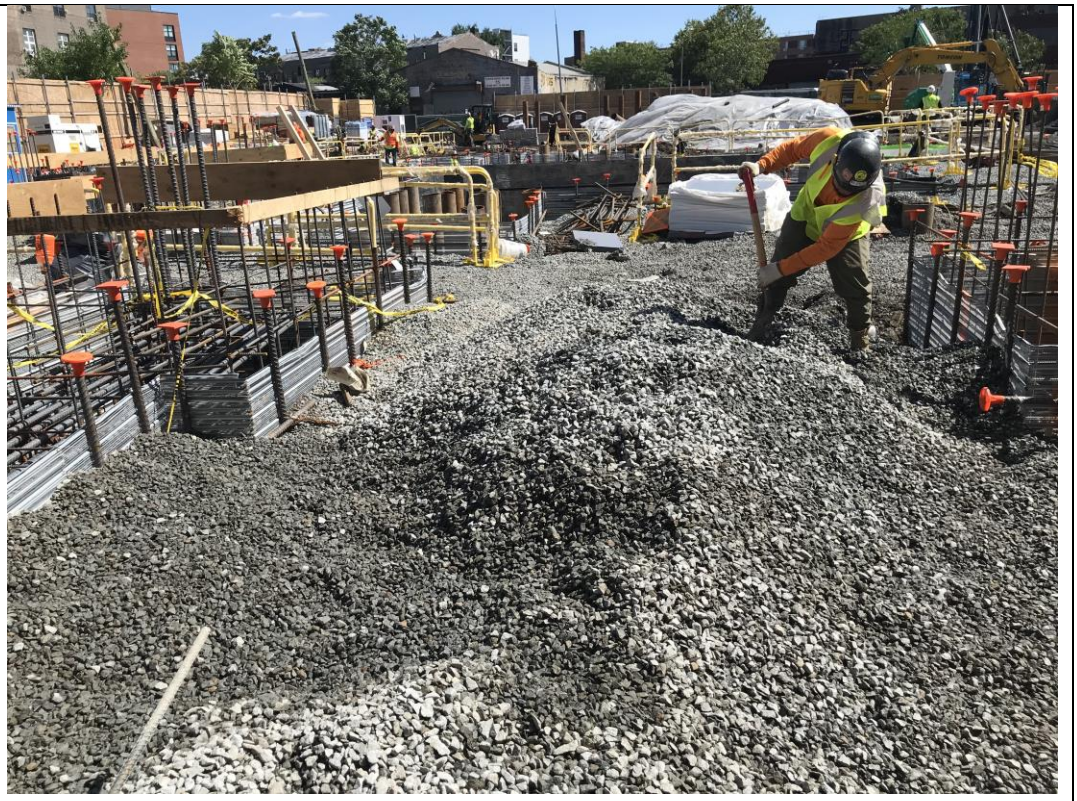
Note: Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

- **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**
- **Approximate Location of Deep Foundation Elements (No Depressurization)**
- **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: View of STNY excavating in waste characterization grid COMP F (0-5) for electric utility piping installation (facing east).	
Photo 2: View of STNY backfilling with imported 0.75-inch virgin stone in waste characterization grid COMP B (facing south).	

File Name: 2021-09-02 Daily Field Report_042

Photo 3: View of STNY backfilling with imported 0.75-inch virgin stone in waste characterization grid COMP C (facing south).	
Photo 4: View of truck dumping imported 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry (facing west).	

File Name: 2021-09-02 Daily Field Report_042

DAILY FIELD REPORT 043

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	September 3, 2021
Project Name:	45 Commercial Street	**Time:**	7:00 am to 2:15 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)
Soil Broker: Clean Earth LLC (CE)
Utility Contractor: Trans City Water & Sewer (Trans City)

Langan Field Personnel:
Tyler Goodnough
TJ Malgieri

Work Activities Performed:

- STNY excavated an about 20-foot-long by 5-foot-wide area to 5 feet below grade surface (bgs) (from original site grade) in waste characterization grid COMP G (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 grids COMP F and COMP D.
- STNY began installing Grace Preprufe® 300R Plus waterproofing/vapor barrier membrane, Preprufe® CJ Tape, Preprufe® Detail Tape, and Bituthene Mastic at the mat slab in waste characterization grids COMP B, COMP C and COMP D. Waterproofing oversight is to verify general conformance with specifications and contract documents. Certification that the waterproofing meets the requirements of any warranty shall be in accordance with inspection performed by representatives of Grace, and does not relieve the Contractor from performing all work in accordance with the project specifications, Grace's standard details and their inspection recommendations.
- STNY loaded 3 trucks with soil from the soil stockpile[1] in waste characterization grid COMP D for off-site disposal to the Clean Earth of Bethlehem (CEPA) facility located in Bethlehem, Pennsylvania.

Material Tracking:

- The following soil/fill was exported from the site:
  - 3 loads of non-native soil were transported to the CEPA facility located in Bethlehem, Pennsylvania.
- No material was imported to the site.

Samples Collected:

- No samples were collected on the site.

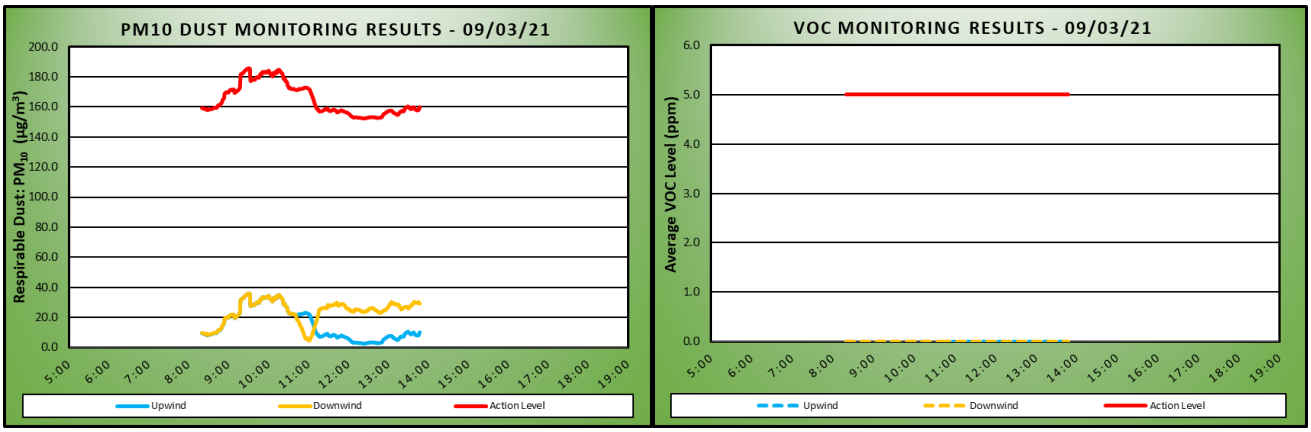
[1] COMP F (0-5)

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	19.2		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	14.9	23.4	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	35.7	357	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	2.0	0.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	149.8	149.8	Maximum 1-min Instant Reading	0.0	0.0

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

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:

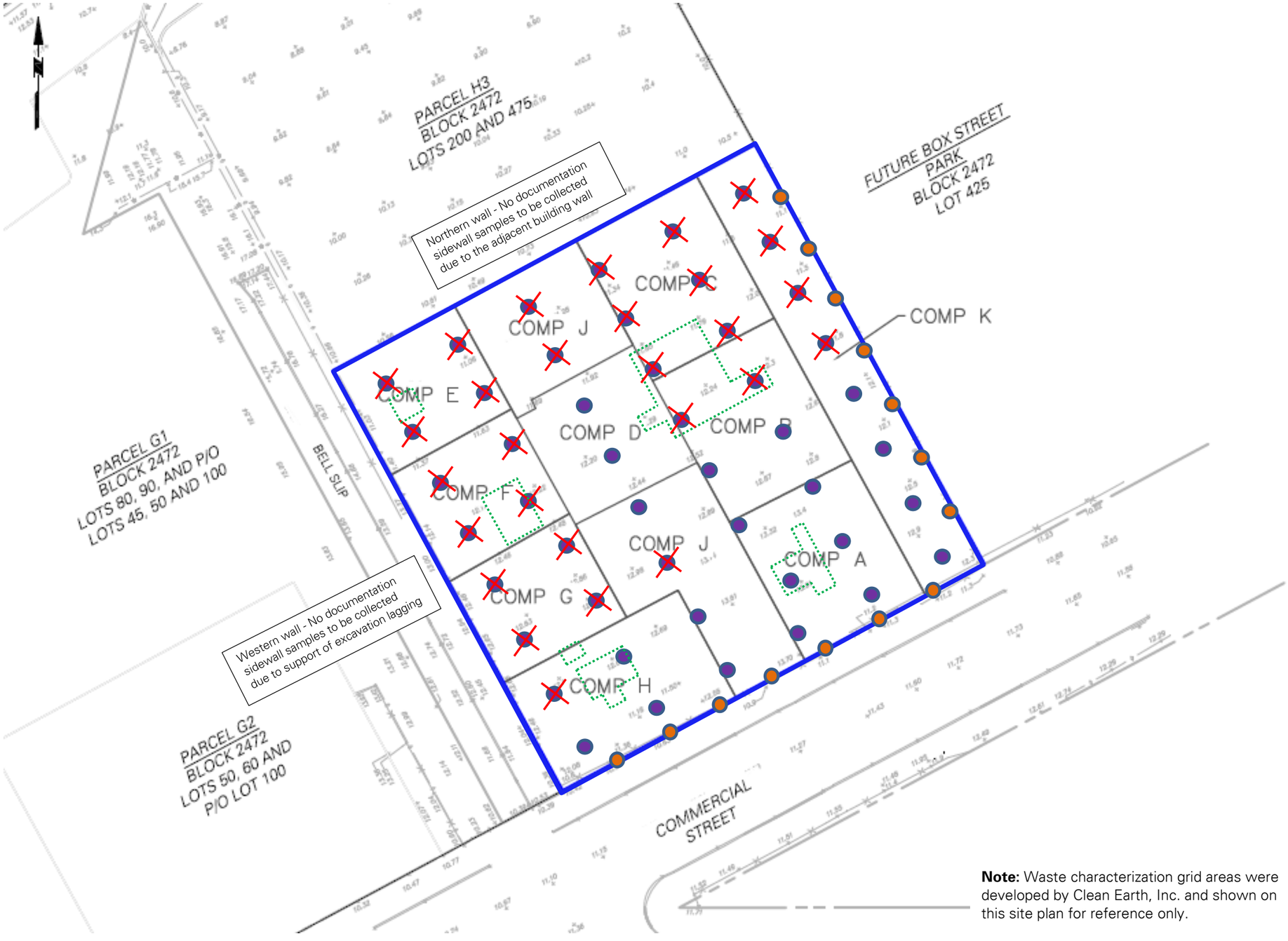
- STNY will continue mass excavating for the remedy, foundation elements, and utilities and will continue exporting soil for off-site disposal.
- STNY will continue pouring concrete for pile caps/grade beams.
- STNY will continue installing waterproofing/vapor barrier in the mat slab.

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 (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 Hotspot Endpoint Sample**

DOCUMENTATION SAMPLE PLAN



Site Boundary

Waste Characterization Grid
COMP I (5-10)

Proposed Base Documentation Sample Location

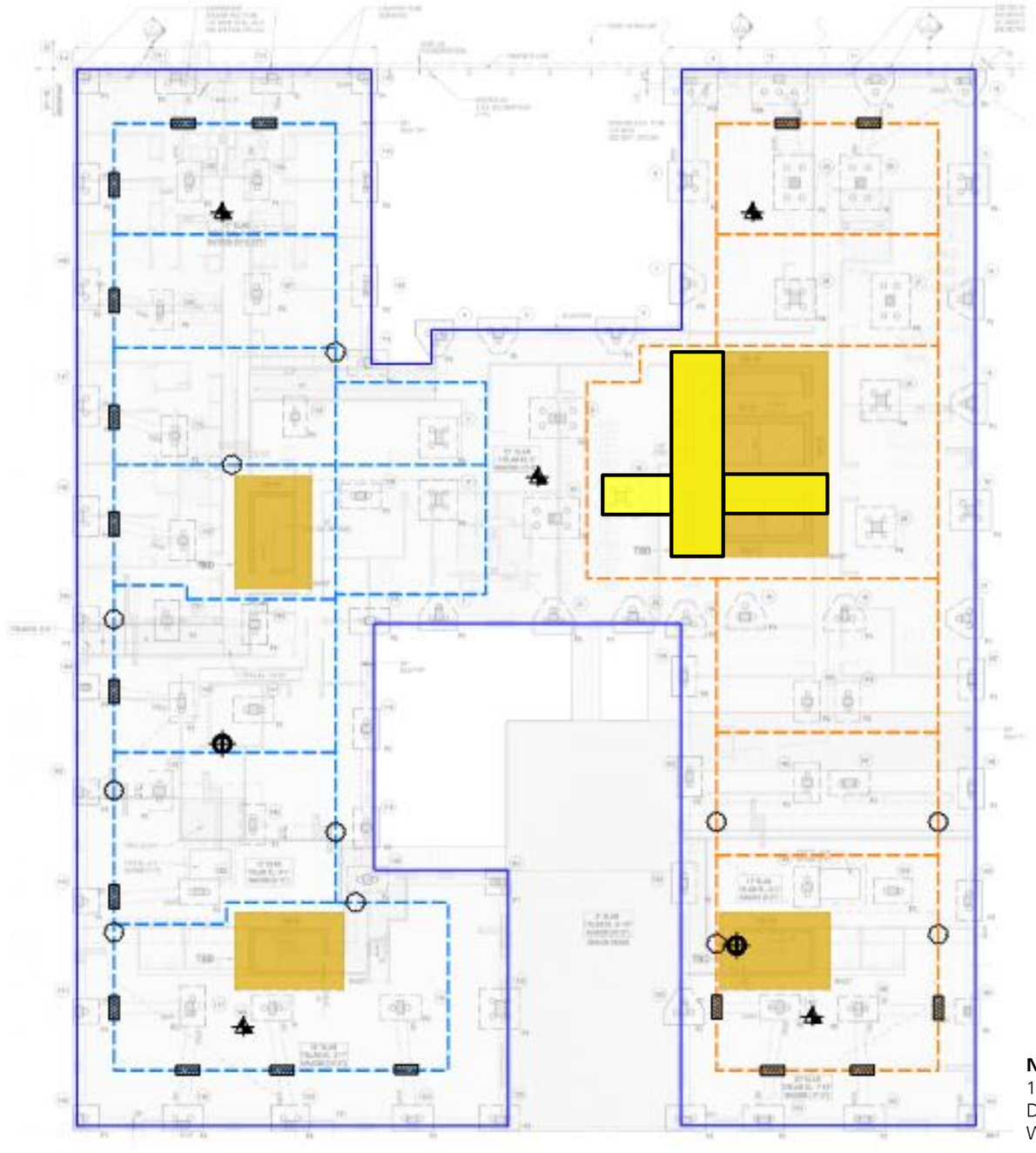
Proposed Base Documentation Sample Location

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**
- **Approximate Location of Deep Foundation Elements (No Depressurization)**
- **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

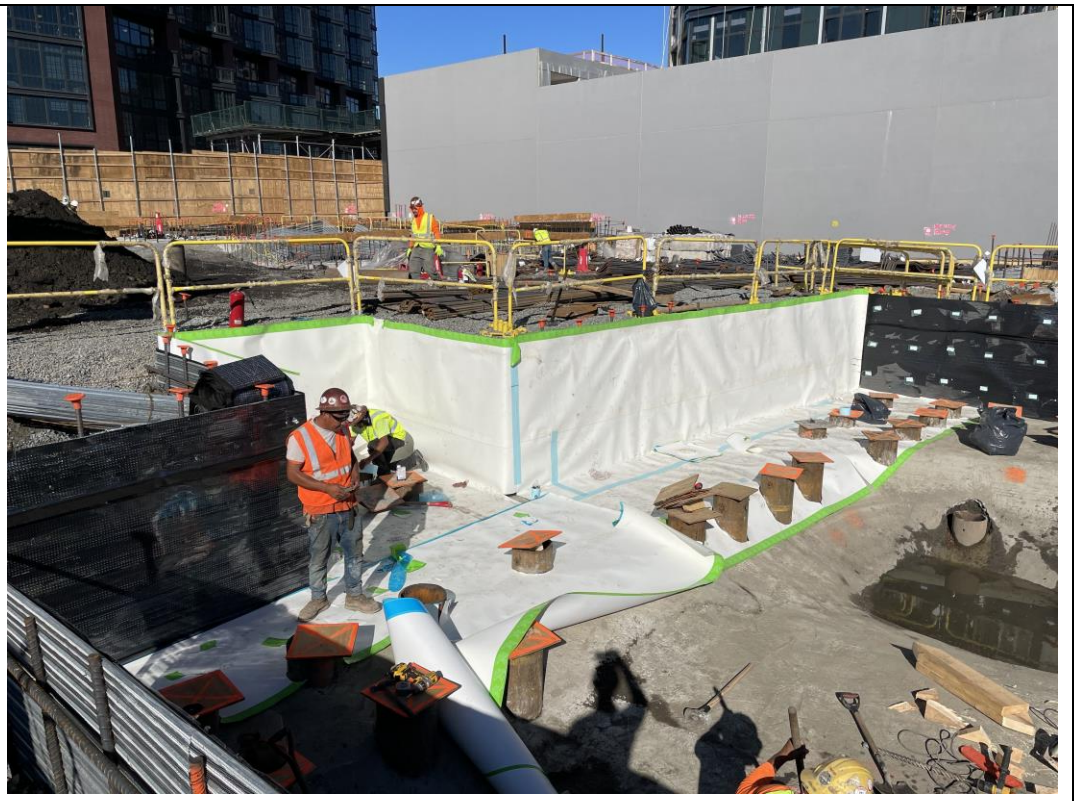
Photo 1: View of STNY installing Grace Preprufe® 300R Plus waterproofing/vapor barrier system in the mat slab (facing northwest).	
Photo 2: View of STNY installing Grace Preprufe® 300R Plus waterproofing/vapor barrier system in the mat slab (facing north).	

Photo 3: View of STNY loading a truck with soil for off-site disposal to the CEPA facility (facing north).	
Photo 4: View of STNY excavating in waste characterization grid COMP G (0-5) for electric utility installation (facing north).