DAILY FIELD REPORT 048

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:**	September 13, 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 Diaz

Work Activities Performed:

- STNY excavated an about 32-foot-long by 18-foot-wide area to 8 feet below grade surface (bgs) (from original site grade) in waste characterization grid COMP G for the installation of a sewage ejector pit. Excavated material consisted of non-native soil that did not exhibit signs of chemical- or petroleum-like contamination. Soil from waste characterization grid COMP G (0-5) and soil from waste characterization grid COMP G below 5 feet bgs were not comingled during excavation and were added to Soil Stockpile 2 and Soil Stockpile 3. Soil Stockpile 3 was later loaded into trucks for off-site disposal.
- STNY backfilled an about 40-foot-long by 5-foot-wide area in waste characterization grid COMP H from about 6 feet bgs (from original site grade) to 2 feet bgs with New York State Department Environmental Conservation (NYSDEC)-approved 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry, stockpiled in waste characterization grids COMP G and COMP D to fill in a previous excavation.
- STNY loaded trucks with Soil Stockpile 3 and Soil Stockpile 4 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:
    - Fourteen loads of non-native soil were transported to the CEPA facility located in Bethlehem, Pennsylvania.
    - One load of construction and demolition (C&D) debris was manifested for transport to the PPark NJ, LLC facility located in Prospect Park, New Jersey.
- No material was imported to the site.

Samples Collected:

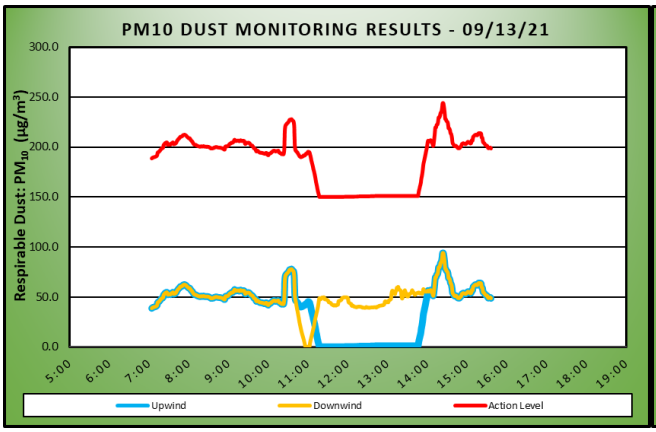
- Clean Earth, Inc collected one sample set for waste characterization purposes, consisting of one composite sample grab sample and one grab sample from Soil Stockpile 2. The soil samples were submitted to Eurofins TestAmerica Laboratories, Inc. for analysis of extractible petroleum hydrocarbons (EPH), total volatile organic compounds (VOCs), Resource Conservation and Recovery Act (RCRA) 8 metals including beryllium, nickel, copper, and zinc, total semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), RCRA 8 toxicity characteristic leaching procedure (TCLP) Metals including beryllium, nickel, copper, and zinc, TCLP VOCs, TCLP SVOCs, RCRA characteristics (corrosivity, ignitability, and reactivity), TCLP Herbicides and TCLP Pesticides.
    - H1H2-P3-COMP 1
    - H1H2-P3-Grab 1

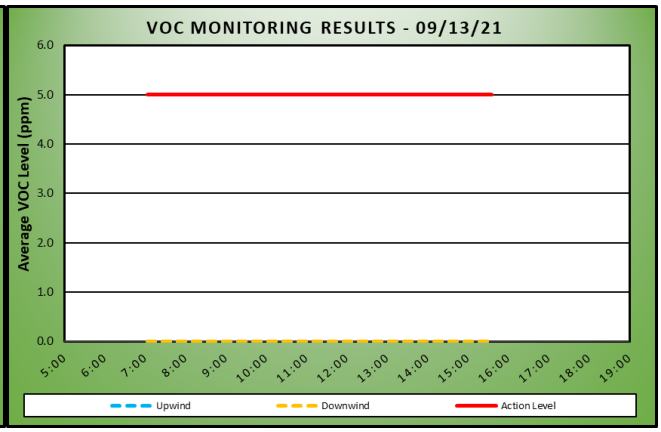
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	38.6		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	37.1	49.7	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	94.1	94.1	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	0.0	0.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	350.5	350.5	Maximum 1-min Instant Reading	0.0	0.0

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

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





Planned Activities:

- STNY will continue 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.

File Name: 2021-09-13 Daily Field Report_048

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 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

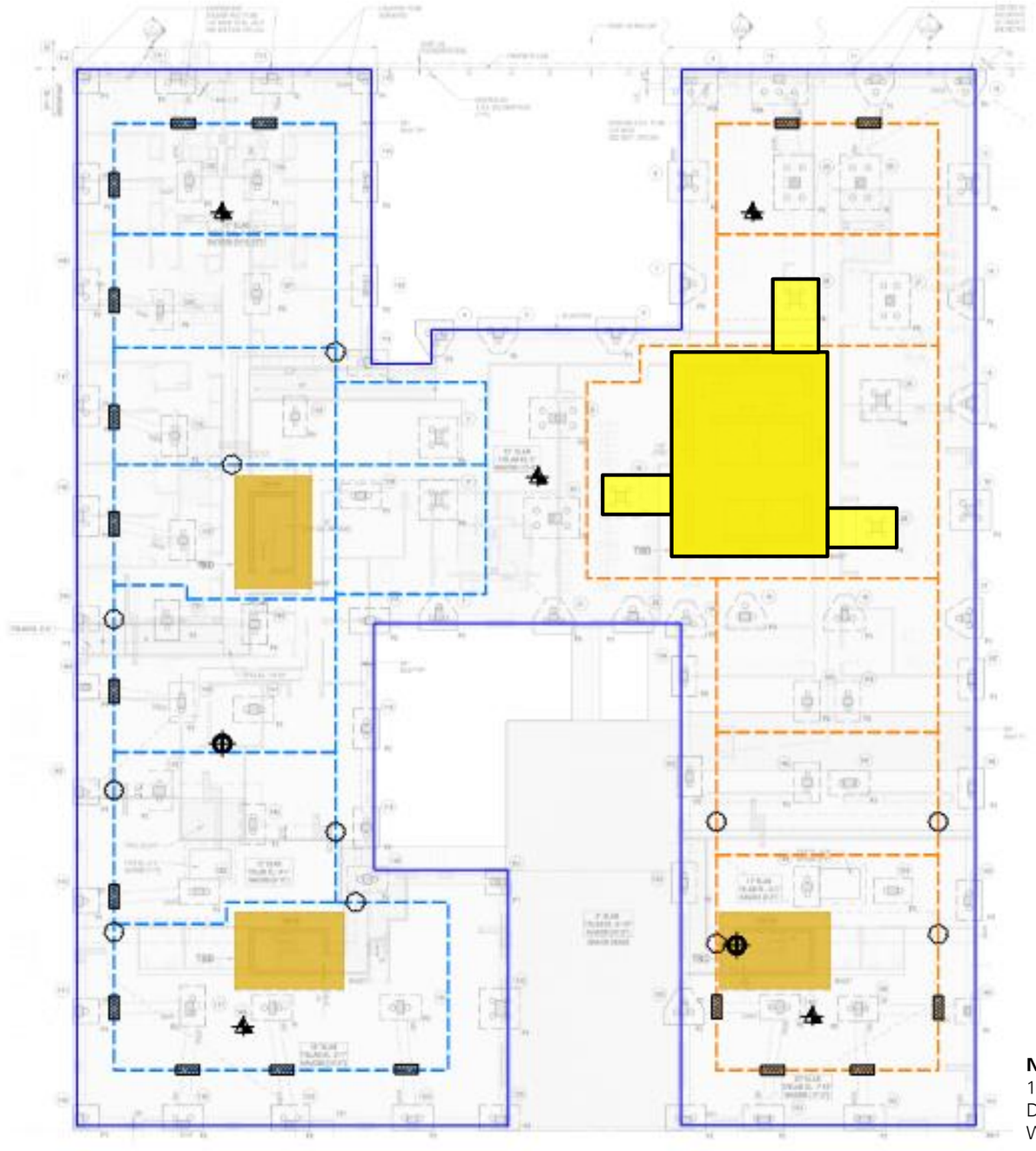
Proposed Base Documentation Sample Location

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.

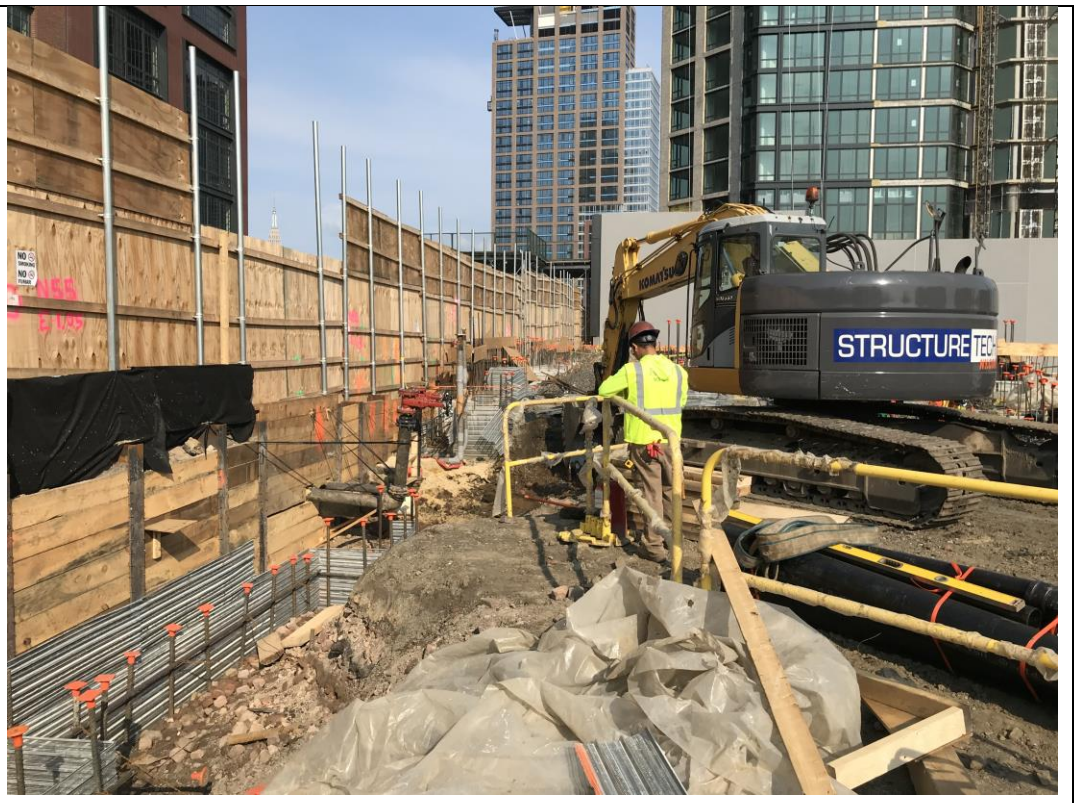
WATERPROOFING/VAPOR BARRIER AND SMD INSTALLATION MAP



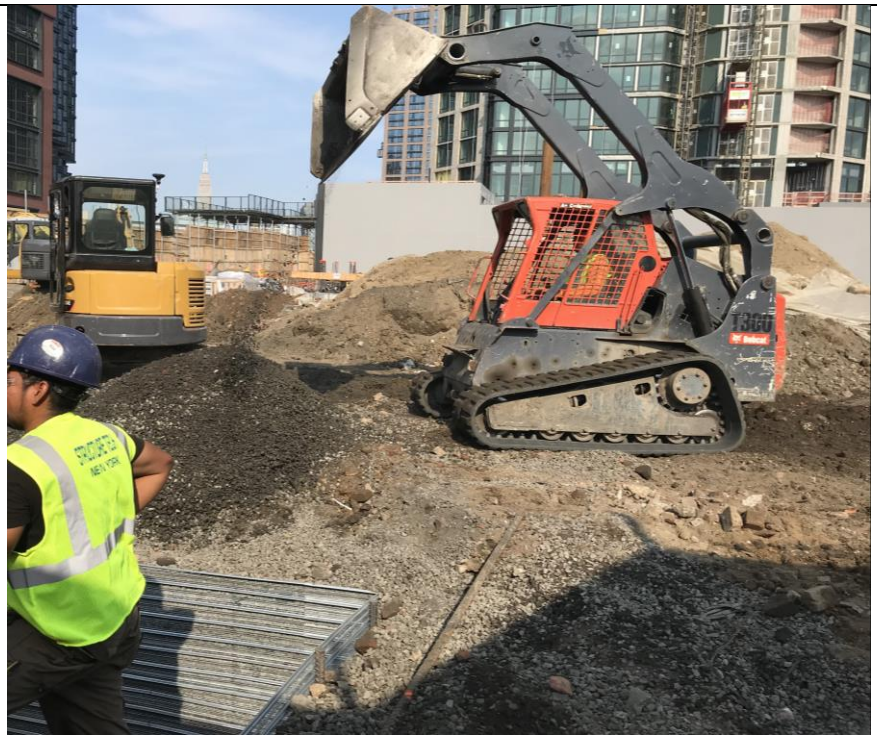
Note: Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

- **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 G for a sewage ejector pit (facing west).	
Photo 2: View of Clean Earth collecting waste characterization samples from Soil Stockpile 2 (facing north).	

File Name: 2021-09-13 Daily Field Report_048

Photo 3: View of STNY loading a truck with soil for off-site disposal to the CEPA facility (facing west).	
Photo 4: View of STNY backfilling in waste characterization grid COMP H (0-5) for pile cap installation (facing north).	

File Name: 2021-09-13 Daily Field Report_048

DAILY FIELD REPORT 049

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 14, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 4:00 pm

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

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

Langan Field Personnel:
Yaskira Mota Diaz

Work Activities Performed:

- STNY excavated an about 36-foot-long by 10-foot-wide area from 2 feet below grade surface (bgs) (from original site grade) to 5 feet bgs in waste characterization grid COMP J North for the installation of electrical utility piping. Excavated material consisted of non-native soil that did not exhibit signs of chemical- or petroleum-like contamination and was stockpiled on the border of waste characterization grids COMP J North and COMP D (Soil Stockpile 1).
- STNY loaded trucks with Soil Stockpile 2 and the soil stockpile[1] in waste characterization grid COMP K for off-site disposal to the Clean Earth of Carteret (CEC) facility located in Carteret, New Jersey.
- STNY poured concrete at the mat slab area in waste characterization grids COMP B and COMP C.

Material Tracking:

- The following soil/fill was exported from the site:
    - Seven loads of non-native soil were transported to the CEC facility located in Carteret, New Jersey.
- No material was imported to the site.

Samples Collected:

- No samples were collected.

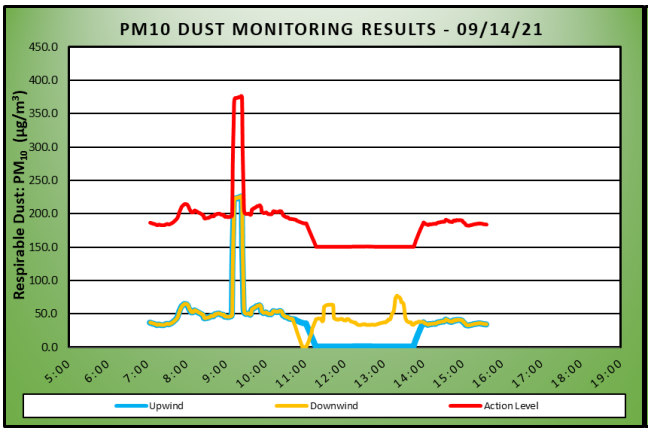
[1] COMP A (5-6), COMP B (5-6)

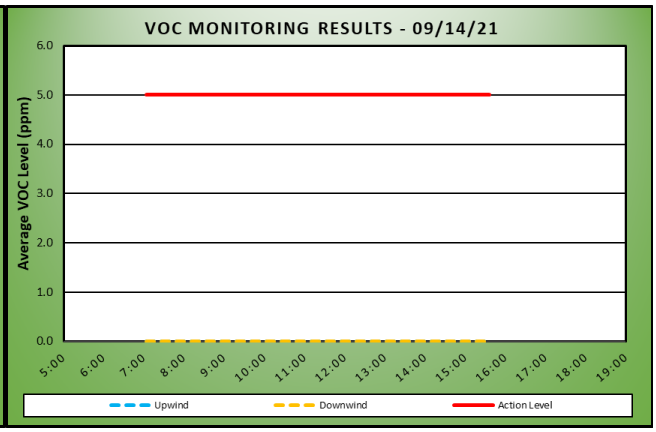
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	36.9		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	35.4	47.2	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	226.4	226.4	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	0.8	0.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	1270.8	1270.8	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.

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 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

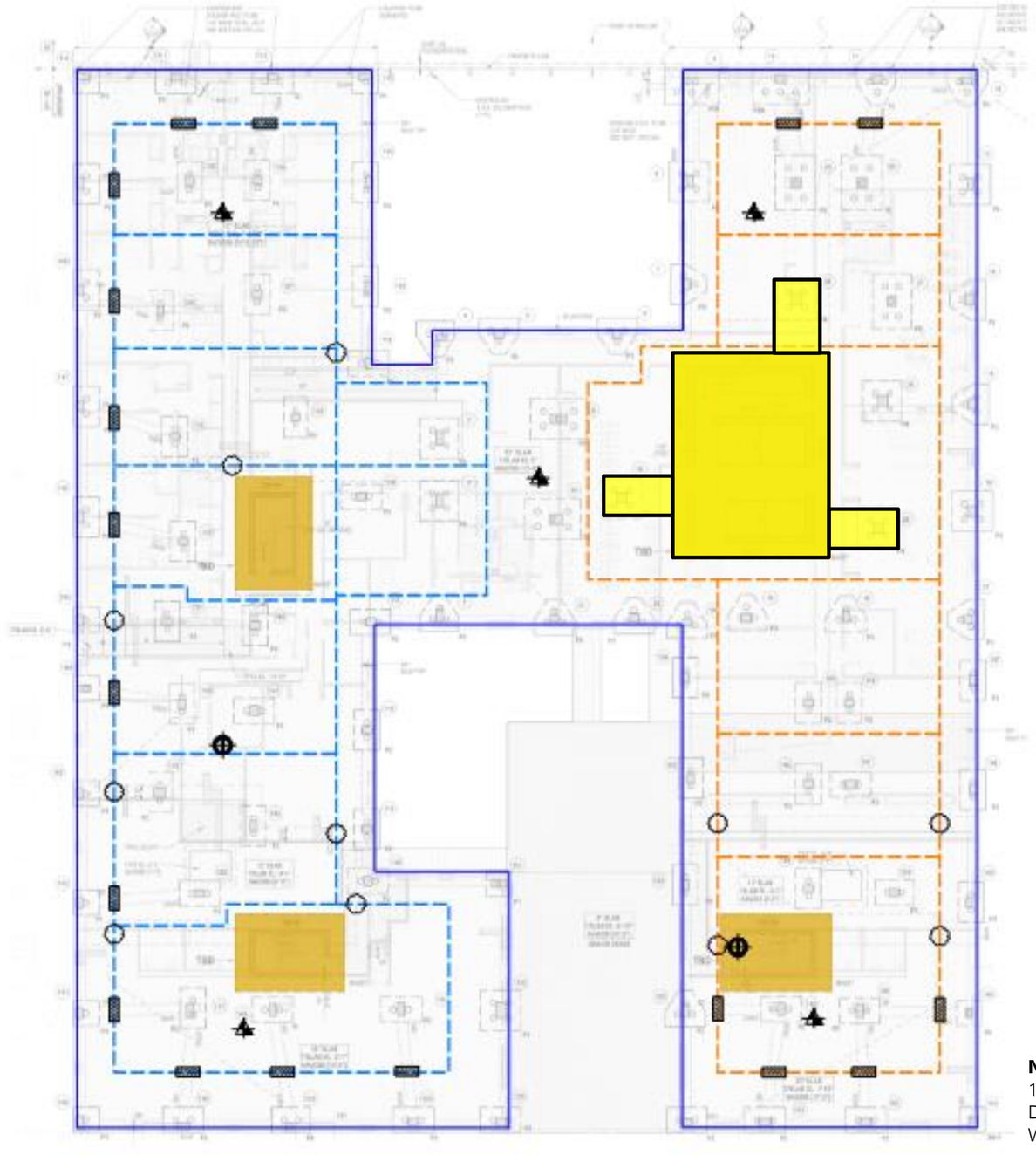
Proposed Base Documentation Sample Location

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

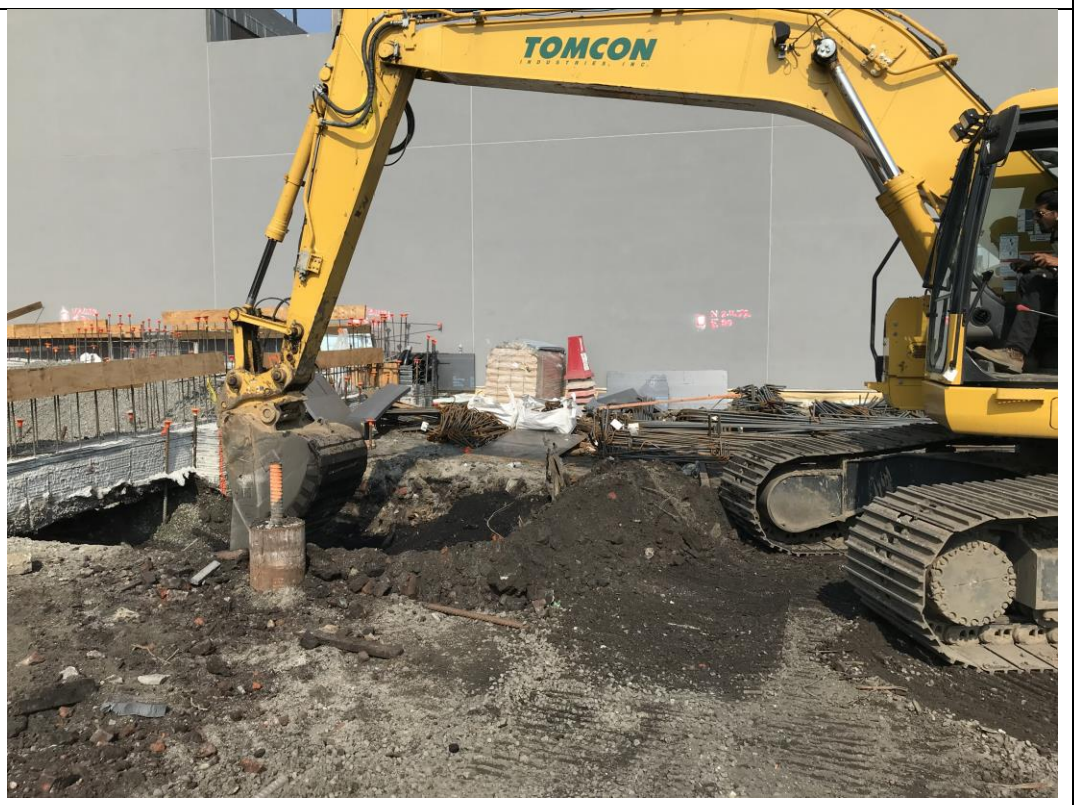
Photo 1: View of STNY excavating in waste characterization grid COMP J North for electric utility piping (facing west).	
Photo 2: View of STNY excavating in waste characterization grid COMP J North for electric utility piping (facing north).	

Photo 3: View of STNY pouring concrete into the mat slab area in waste characterization grids COMP B and COMP C (facing east).	
Photo 4: View of STNY loading a truck with soil for off-site disposal to the CEC facility (facing northwest).	

DAILY FIELD REPORT 050

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 15, 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 Diaz
Caroline Devin

Work Activities Performed:

- STNY excavated the following areas of the site. Excavated material consisted of non-native soil and did not exhibit signs of chemical- or petroleum-like contamination.
    - An about 15-foot-long by 15-foot-wide area to about 9 feet below grade surface (bgs) (from original site grade) in waste characterization grids COMP A (0-5) and COMP I (5-10) for mat slab installation. Excavated material was added to Soil Stockpile 3.
    - An about 15-foot-long by 7-foot-wide area to about 5 feet bgs and an about 16-foot-long by 11-foot wide area to about 4 feet bgs (from original site grade) in waste characterization grid COMP A (0-5) to allow site personnel to access a mat slab area. Excavated material was added to Soil Stockpile 3.
    - An about 42-foot-long by 6-foot-wide L-shaped area to a maximum depth of 6 feet bgs (from original site grade) in waste characterization grid COMP A for pile cap and grade beam installations. Soil from waste characterization grid COMP A (0-5) and soil from waste characterization grid COMP A below 5 feet bgs were not comingled during excavation and were added to Soil Stockpile 2 and Soil Stockpile 3.
    - An about 39-foot-long by 17-foot-wide area to about 5 feet bgs (from original site grade) in waste characterization grids COMP G (0-5) and COMP H (0-5) to allow site personnel to acces pile caps. Excavated material was added to Soil Stockpile 3 or stockpiled in waste characterization grid COMP H. The following deeper excavations were completed within the above described excavation for pile cap formwork installation:
        - An about 13-foot-long by 10-foot-wide area to a maximum depth of 8 feet bgs (from original site grade) in waste characterization grid COMP G. Soil from waste characterization grid COMP G (0-5) and soil from waste characterization grid COMP G below 5 feet bgs were not comingled during excavation and were added to Soil Stockpile 1 and Soil Stockpile 3.
        - An about 11-foot-long by 9-foot-wide area to a maximum depth of 8 feet bgs (from original site grade) in waste characterization grid COMP H. Soil from waste characterization grid COMP H (0-5) and soil from waste characterization grid COMP H below 5 feet bgs were not comingled during excavation and were stockpiled in waste characterization grids COMP H and COMP G.
    - An about 58-foot-long by 10-foot-wide area to a maximum depth of about 5 feet bgs (from original site grade) in waste characterization grids COMP J North and COMP C (0-5) for the installation of electric utility piping. Soil from waste characterization grid COMP C (0-5) and soil from waste characterization grid COMP J North below 2 feet bgs were not comingled during excavation and were added to Soil Stockpile 1 and Soil Stockpile 3.

- STNY installed Grace Preprufe® 300R Plus waterproofing/vapor barrier membrane, Preprufe® CJ Tape, Preprufe® Detail Tape, and Bituthene Mastic at a mat slab area in waste characterization grid COMP A and in two sewer ejector pits in waste characterization grid COMP G. 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.

Material Tracking:

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

Samples Collected:

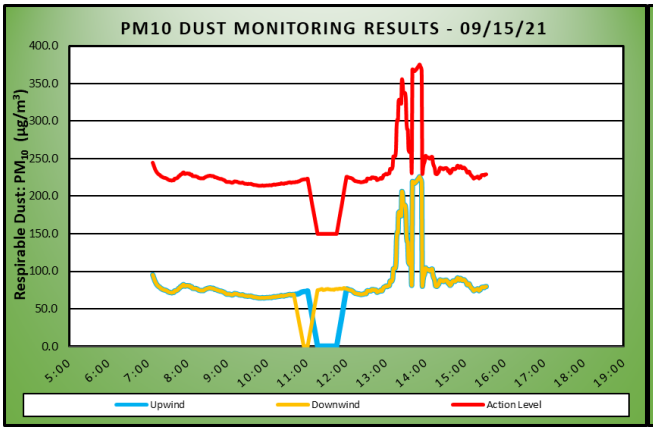
- No samples were collected.

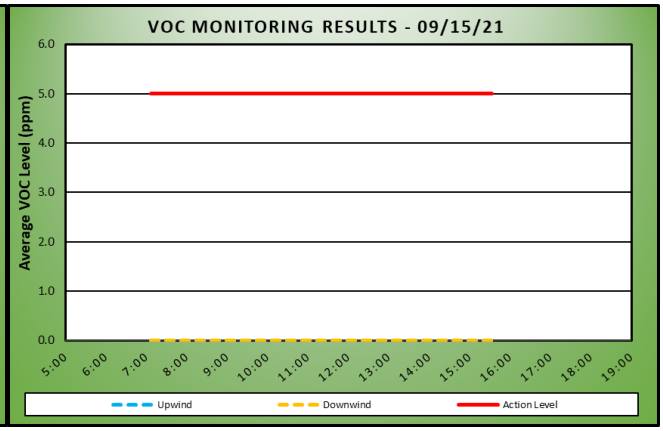
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	94.8		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	77.8	81.2	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	225.5	225.5	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	0.0	0.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	2121.0	2121.0	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 over excavate the LB22 hotspot to the south.

SITE PLAN

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

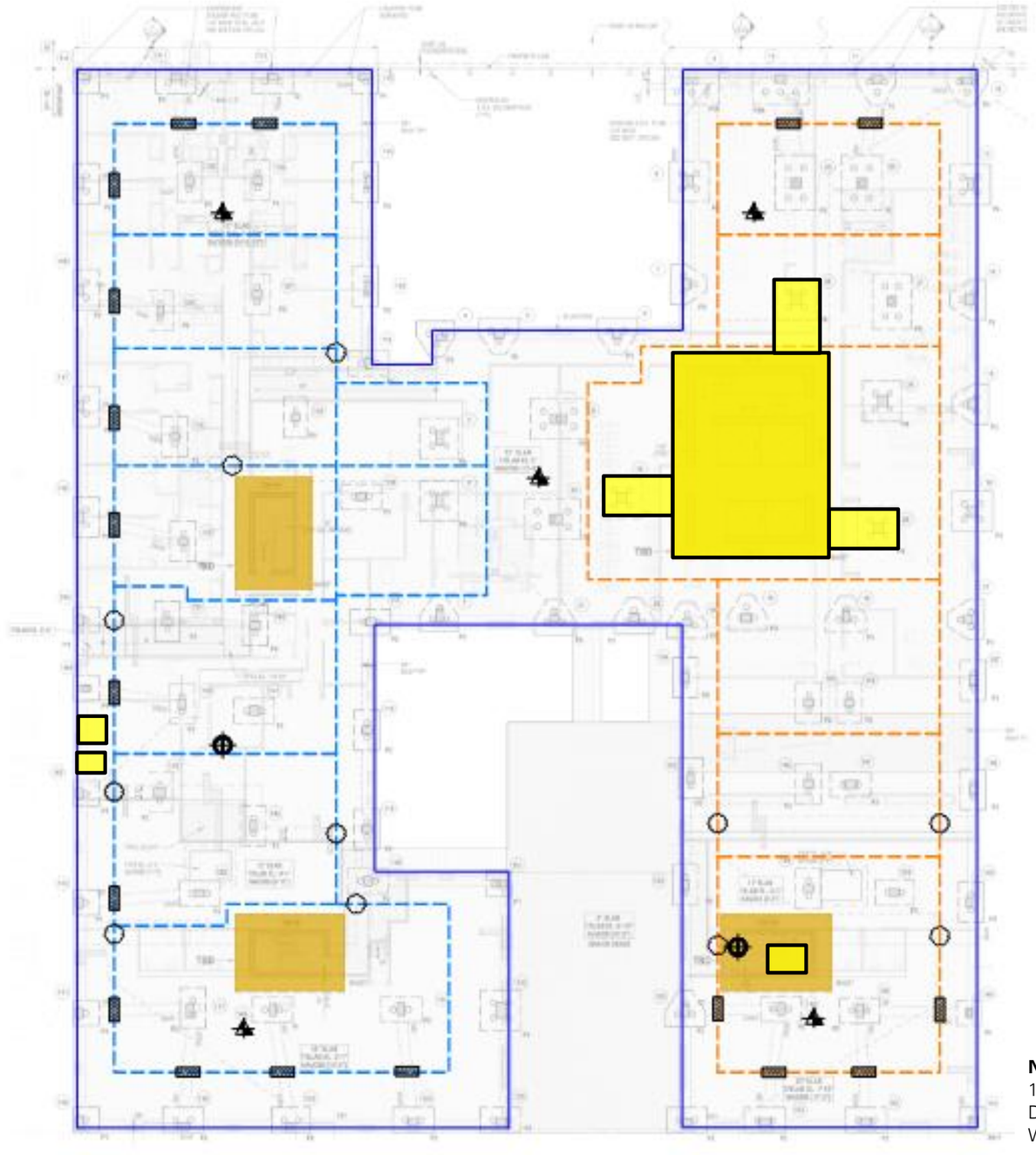
- **Site Boundary**
- **Waste Characterization Grid COMP I (5-10)**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Concrete Pouring**
- **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**

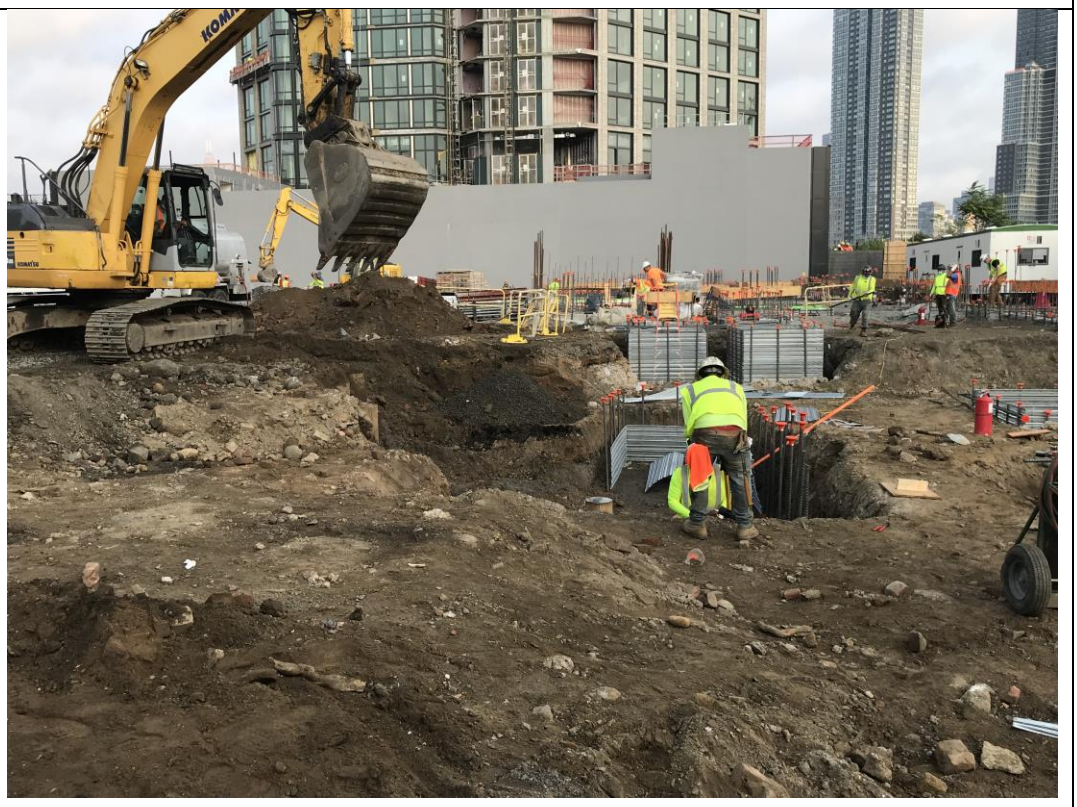
WATERPROOFING/VAPOR BARRIER AND SMD INSTALLATION MAP



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 grids COMP J North and COMP C for electric utility piping (facing west).	
Photo 2: View of STNY excavating in waste characterization grid COMP A for mat slab installation (facing north).	

File Name: 2021-09-15 Daily Field Report_050

Photo 3: View of STNY excavating in waste characterization grid COMP A for pile cap and grade beam installation (facing east).	
Photo 4: View of STNY excavating in waste characterization grid COMP G for pile cap and grade beam installation (facing north).	

File Name: 2021-09-15 Daily Field Report_050

DAILY FIELD REPORT 051

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 16, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 5:00 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)

Langan Field Personnel:
Yaskira Mota Diaz
Caroline Devin

Work Activities Performed:

- STNY temporarily excavated an about 19-foot-long by 6- foot-wide area to about 9 feet below grade (bgs) (from original site grade) to facilitate the collection of waste characterization and hotspot endpoint samples at the LB22 hotspot. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was temporarily stockpiled adjacent to the excavation on polyethylene sheeting. The excavation was lined with polyethylene sheeting and backfilled with the same material that was previously excavated from that location. The area will be re-excavated and the material will be disposed of at a later date.
- STNY excavated an about 26-foot-long by 18-foot-wide area to about 5 feet bgs (from original site grade) in waste characterization grids COMP G and COMP H to allow site personnel to access pile caps. Excavated material consisted of non-native soil that did not exhibit signs of chemical- or petroleum-like contamination and was added to Soil Stockpile 3.
- STNY temporarily backfilled an about 80-foot-long by 2-foot-wide area around pile cap and grade beam formwork in waste characterization grid COMP A from about 6 feet bgs (from original site grade) to about 2 feet bgs with soil from Soil Stockpile 3. The backfilled material will be excavated and disposed of at a later date.
- STNY continued 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 grid COMP A. 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 relocated the stockpile consisting of soil from waste characterization grid COMP H (5-8) from waste characterization grid COMP G and added it to Soil Stockpile 1.
- STNY relocated the stockpile consisting of soil from waste characterization grid COMP G (0-5) and COMP H (0-5) from waste characterization grid COMP H and added it to Soil Stockpile 3.
- STNY relocated Soil Stockpile 3 from the boundary of waste characterization grids COMP J South and COMP B to waste characterization grid COMP H.
- STNY loaded trucks with Soil Stockpile 3 for off-site disposal to the Clean Earth of Bethlehem (CEPA) facility located in Bethlehem, Pennsylvania.
- STNY poured concrete for pile caps and grade beams in waste characterization grid COMP A, and in sewer ejector pits in waste characterization grid COMP G.

Material Tracking:

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

Samples Collected:

- Clean Earth, Inc collected one sample set, consisting of one composite sample grab sample and one grab sample from Soil Stockpile 1 for waste characterization purposes. The soil samples were submitted to Eurofins TestAmerica Laboratories, Inc. (Eurofins) for analysis of total volatile organic compounds (VOCs), total semi-volatile organic compounds (SVOCs), Resource Conservation and Recovery Act (RCRA) 8 metals including beryllium, nickel, copper, zinc, vanadium, cyanide, and hexavalent chromium, RCRA 8 toxicity characteristic leaching procedure (TCLP) Metals including nickel, copper, and zinc, RCRA characteristics (corrosivity, ignitability, and reactivity), polychlorinated biphenyls (PCBs), TCLP VOCs, TCLP SVOCs, TCLP Herbicides, TCLP Pesticides, and extractible petroleum hydrocarbons (EPH).
    - Stockpile 4 Grab
    - Stockpile 4 Comp
- Clean Earth, Inc. collected four sample sets, consisting of one composite sample and one grab sample from the LB22 hotspot excavation for waste characterization purposes. Sample set "WC – Hot Spot" was submitted to Eurofins for analysis of total VOCs, total SVOCs, RCRA 8 metals including beryllium, nickel, copper, and zinc, RCRA 8 TCLP Metals including nickel, copper, and zinc, RCRA characteristics (corrosivity, ignitability, and reactivity), PCBs, TCLP VOCs, TCLP SVOCs, TCLP Herbicides, and TCLP Pesticides. Sample sets "Pb 1", "Pb 2", and "Pb 3" were submitted to Eurofins for analysis of total lead and TCLP lead.
    - WC- Hot Spot VOC
    - WC- Hot Spot (0-9)
    - Pb 1 (0-3')
    - Pb 1 @ 6'
    - Pb 2 (0-3')
    - Pb 2 @ 6'
    - Pb 3 (0-3')
    - Pb 3 @ 6'
- Langan collected one documentation sample from 9 feet bgs in waste characterization grid COMP A. The documentation soil sample was submitted to Alpha Analytical Laboratories, Inc. for analysis of Part 375 VOCs, Part 375 SVOCs including 1,4-dioxane, PCBs, pesticides/herbicides, target analyte list (TAL) metals including hexavalent and trivalent chromium, and per- and polyfluoroalkyl substances (PFAS).
    - EP41_9

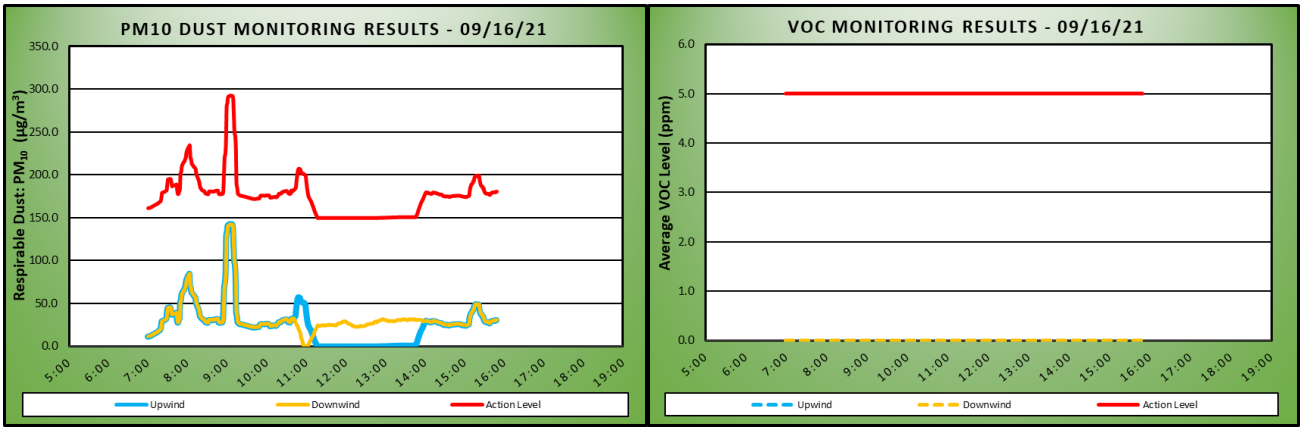
- Langan collected five hotspot endpoint soil samples from the LB22 hotspot excavation to delineate the southern hotspot boundary. The soil samples were submitted to Alpha for analysis of total lead and TCLP lead. All samples except LB22_SW03_S_A_6 were submitted on hold.
    - LB22_SW03_S_A_6
    - LB22_SW03_S_B_6
    - LB22_SW03_S_C_6
    - LB22_SW03_S_D_6
    - LB22_SW03_S_E_6

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	11.4		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	25.4	31.8	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	142.3	142.3	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	0.0	0.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	651.0	651.0	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:

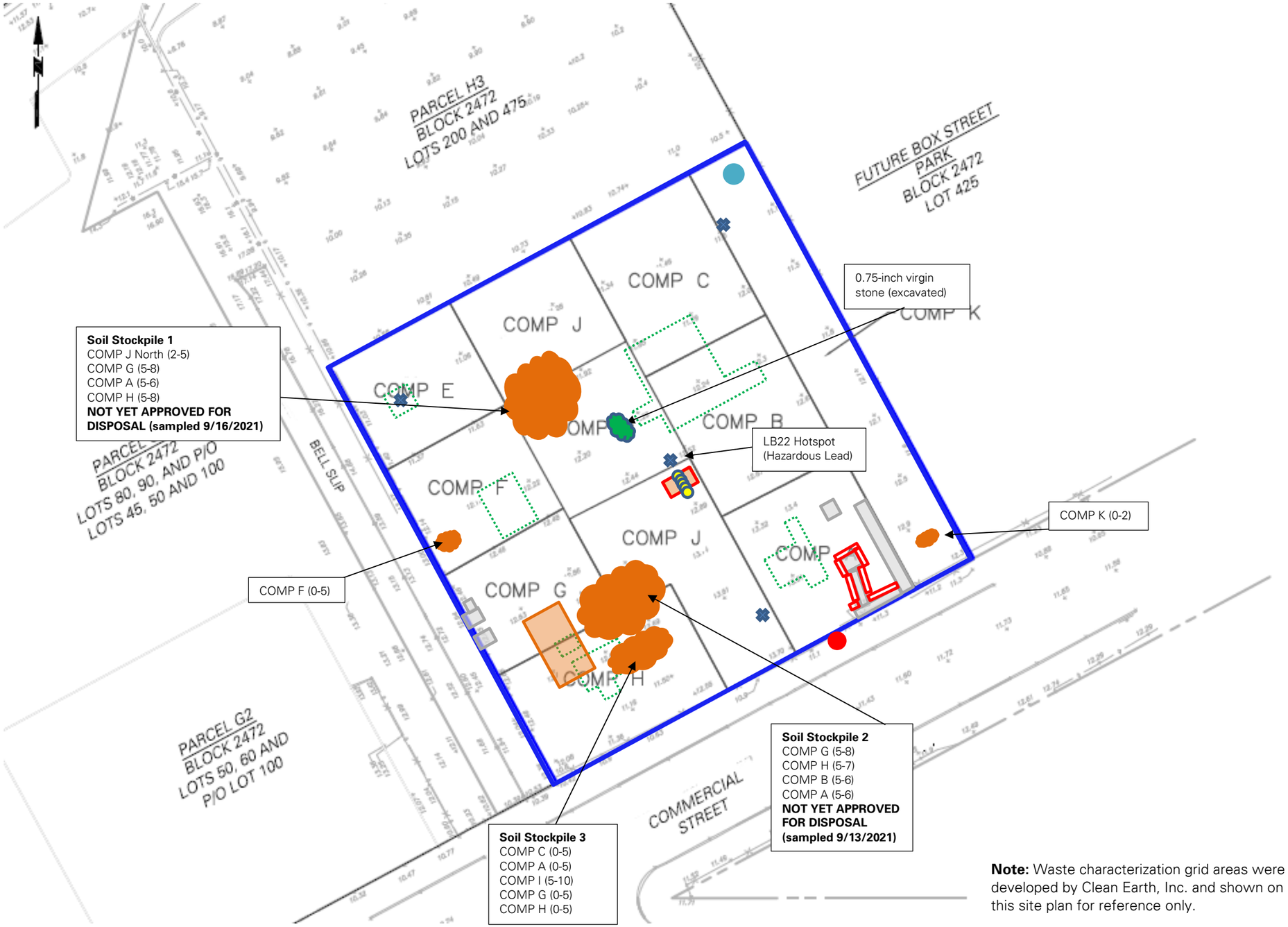


Planned Activities:

- 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.

File Name: 2021-09-15 Daily Field Report_051

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 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

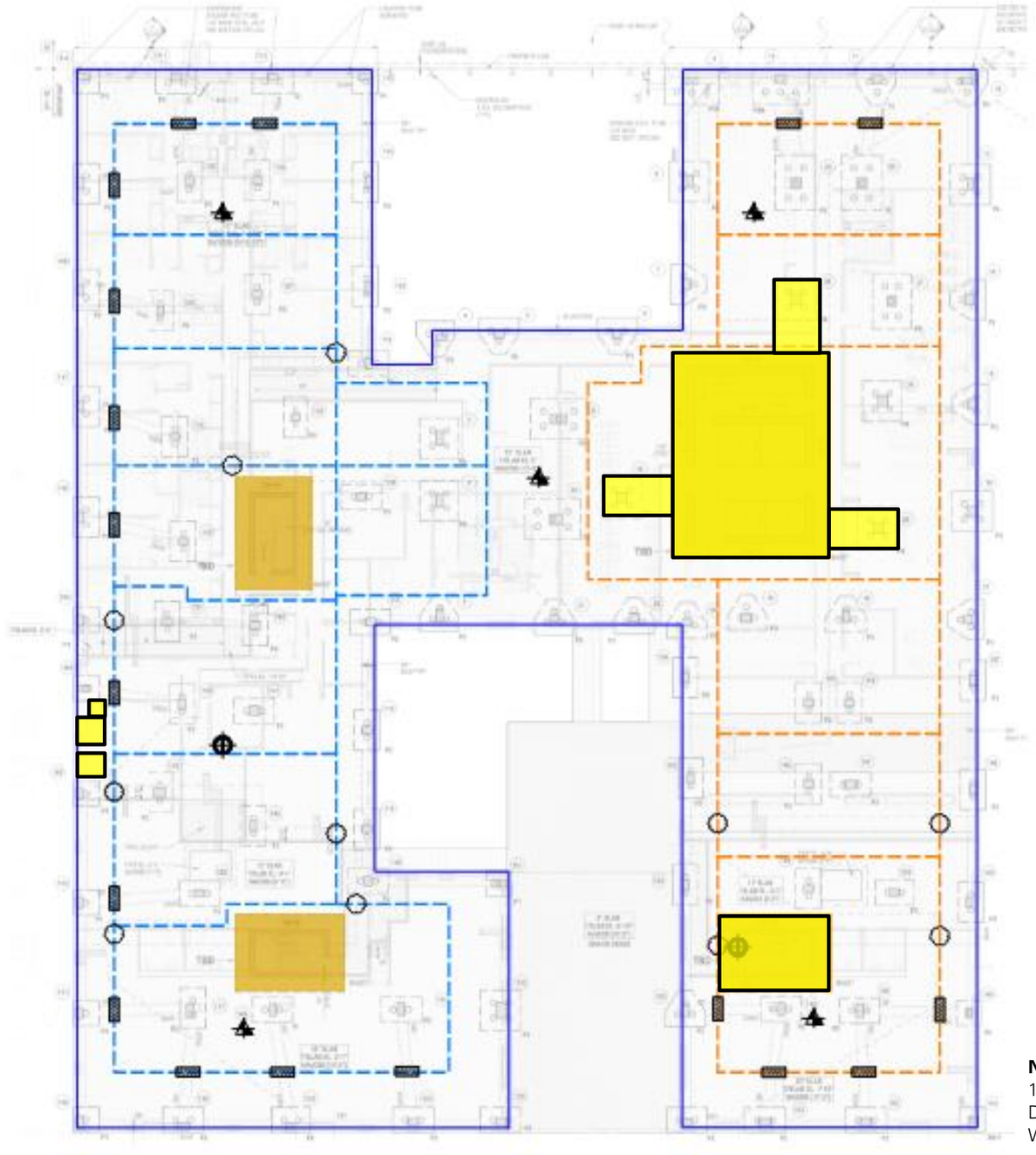
Proposed Base Documentation Sample Location

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

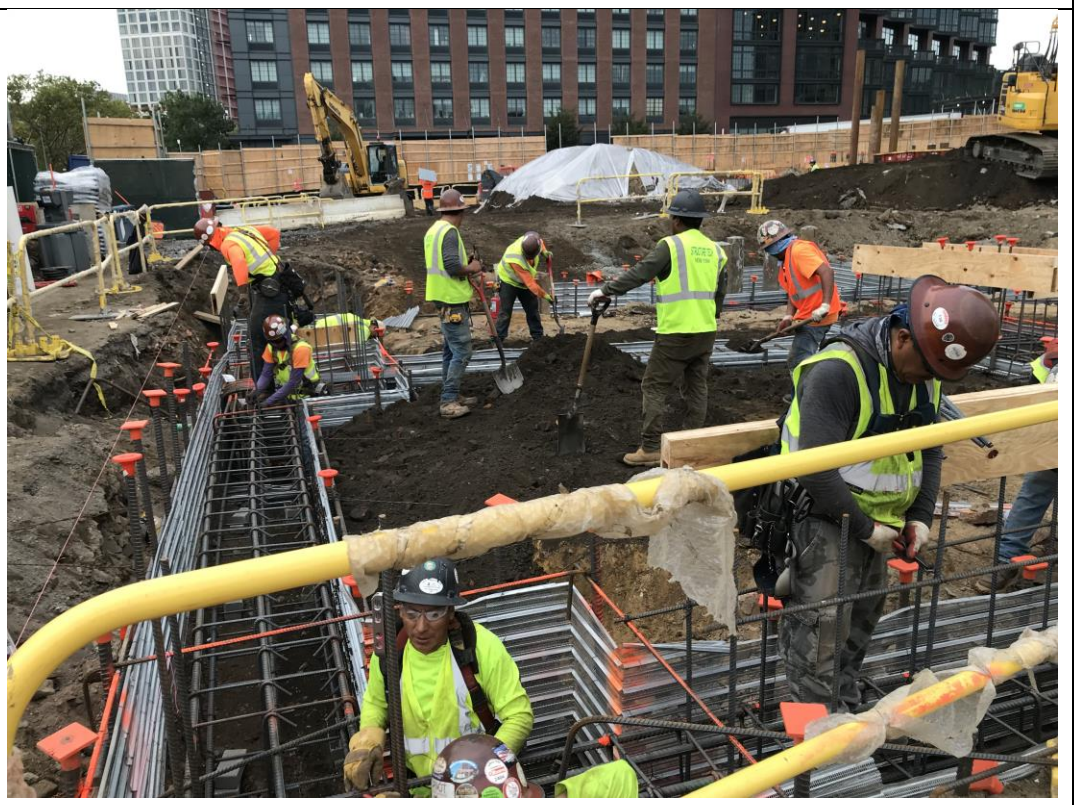


Note: Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

- **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 View of the completed LB22 hotspot excavation (facing west).	
Photo 1: View of STNY installing waterproofing at the mat slab area in waste characterization grid COMP A (facing north).	

Photo 3: View of STNY loading a truck with Soil Stockpile 3 for off-site disposal to the CEPA facility (facing north).	
Photo 4: View of STNY temporarily backfilling with soil from Soil Stockpile 3 around pile cap and grade beam formwork in waste characterization A (facing west).	

File Name: 2021-09-16 Daily Field Report_051

DAILY FIELD REPORT 052

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	September 17, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 5:00 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)

Langan Field Personnel:
Caroline Devin
Tyler Goodnough

Work Activities Performed:

- STNY excavated an about 80-foot-long by 2-foot-wide area around pile cap and grade beam formwork in waste characterization grid COMP A from about 2 feet below grade surface (bgs) (from original site grade) to about 6 feet bgs to remove temporary backfill that was placed on the previous day (9/16/2021). Excavated material consisted of non-native soil that did not exhibit signs of chemical- or petroleum-like contamination and was added to Soil Stockpile 3.
- STNY excavated an about 10-foot-long by 7-foot-wide area from about 2 feet bgs (from original site grade) to about 5 feet bgs in waste characterization grid COMP J South for electric utility pipe installation. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination, and was stockpiled in waste characterization grid COMP G.
- STNY continued installing Grace Preprufe® 300R Plus waterproofing/vapor barrier membrane, Preprufe® CJ Tape, Preprufe® Detail Tape, and Bituthene Mastic at the mat slab areas in waste characterization grid COMP A and 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 one truck with soil from Soil Stockpile 3 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:
    - One load of non-native soil was transported to the CEPA facility located in Bethlehem, Pennsylvania.
- No material was imported to the site.

Samples Collected:

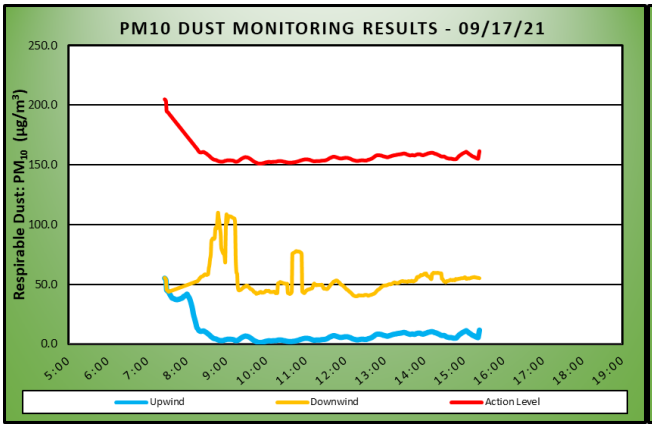
- No samples were collected.

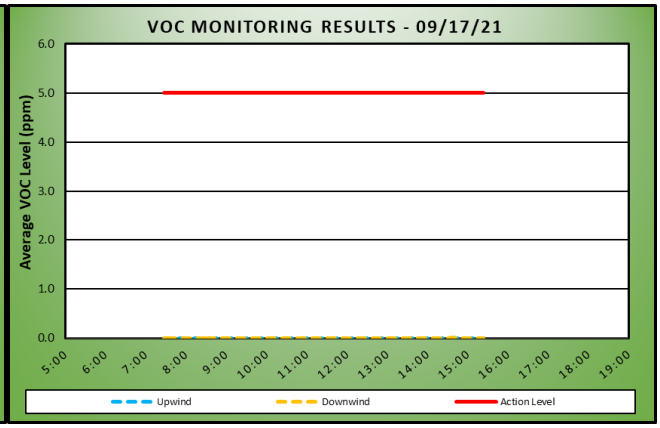
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	55.3		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	10.1	54.3	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	55.3	110.0	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	0.3	35.8	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	163.3	520.3	Maximum 1-min Instant Reading	0.0	0.2

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

Data was not collected from the downwind station from 7:33 to 8:01 and organic vapor data was not collected from the downwind station from 8:32 to 10:17, due to an equipment calibration issue. The issue was resolved with the equipment manufacturer and data was collected for the remainder of the day. No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:



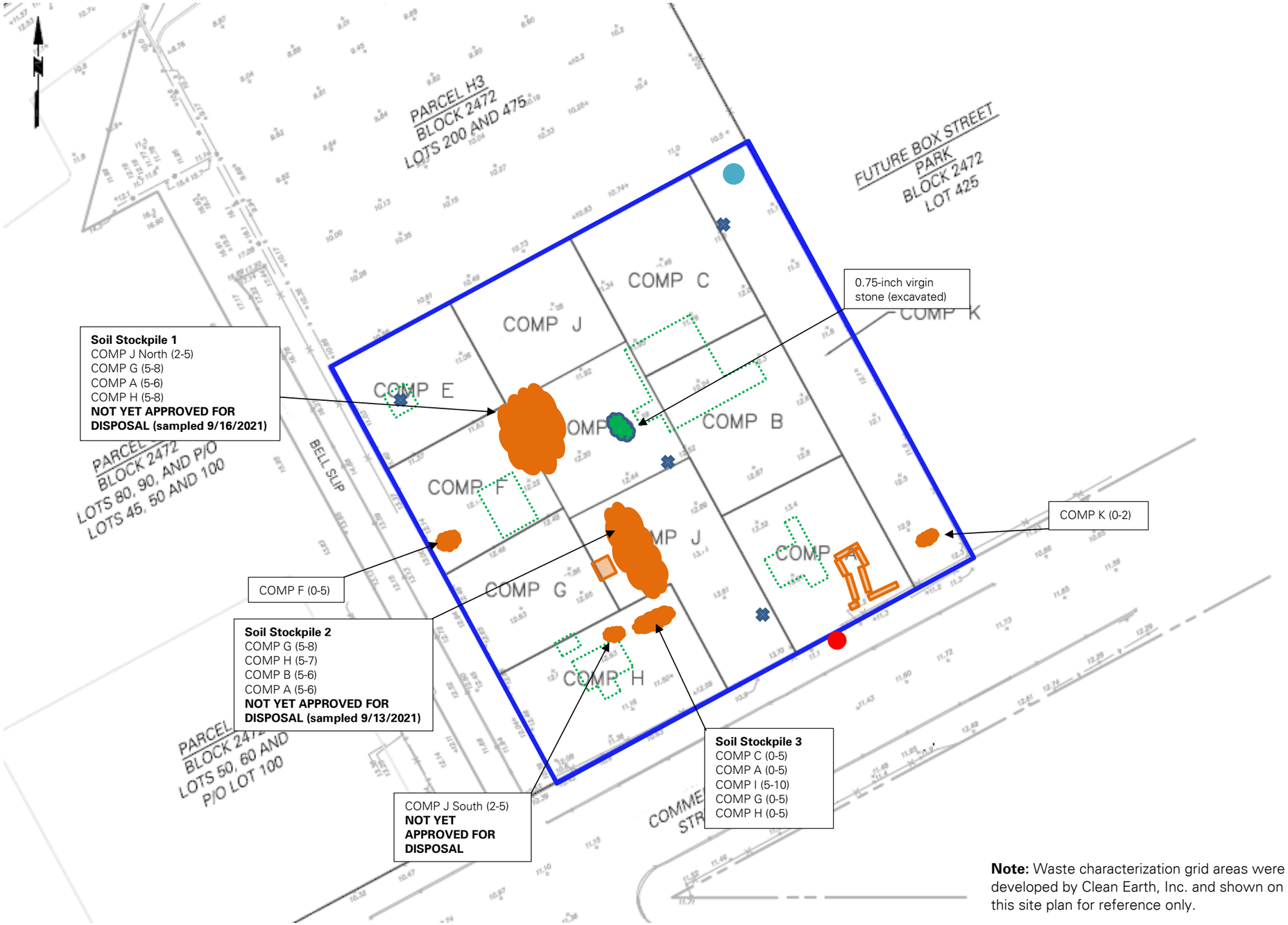


Planned Activities:

- STNY will continue 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 and mat slab areas.

File Name: 2021-09-17 Daily Field Report_052

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 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

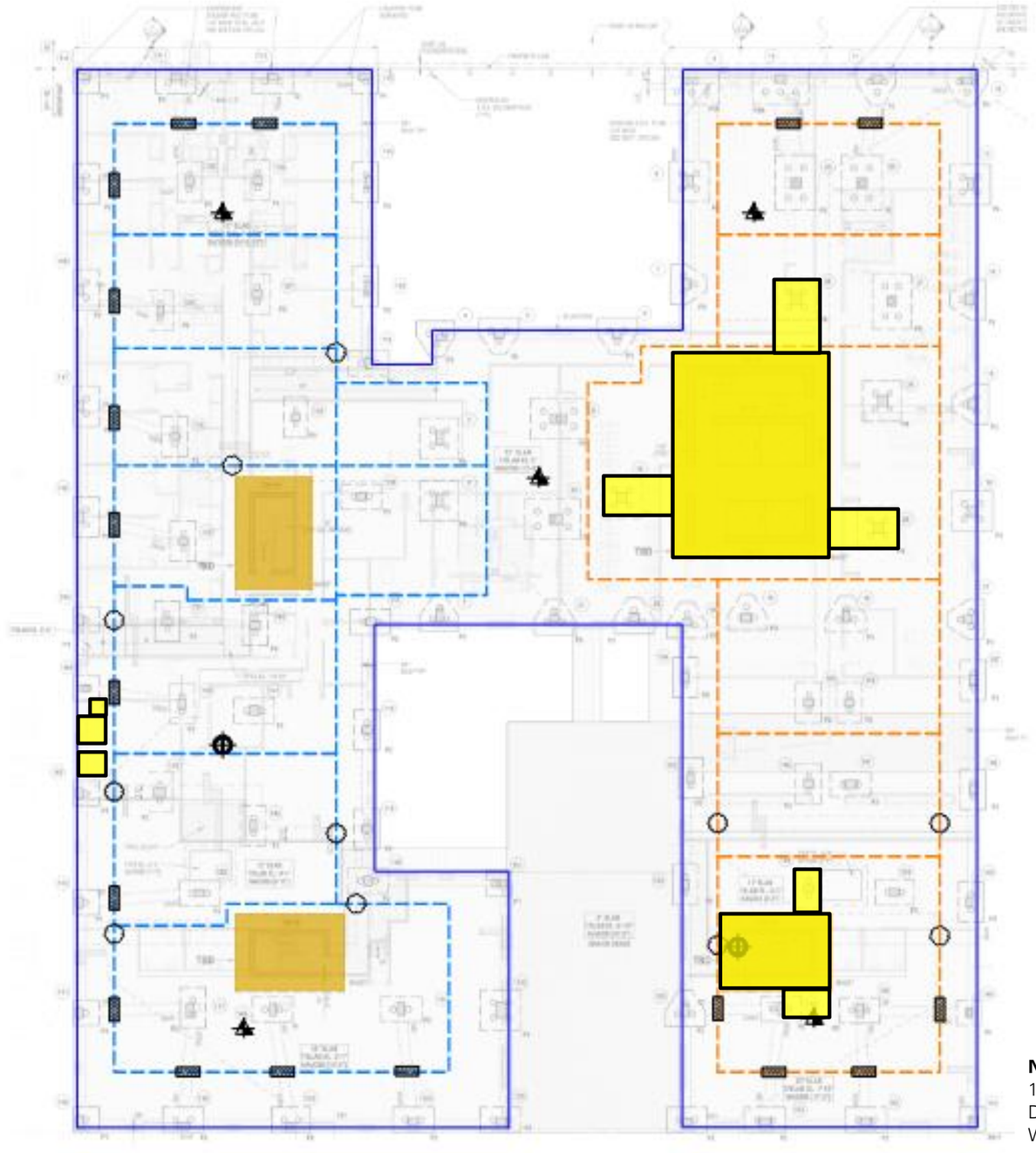
Proposed Base Documentation Sample Location

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 excavacting previously placed backfill in waste characterization grid COMP A (facing west).	
Photo 2: View of electric utility piping excavation in waste characterization grid COMP J South (facing northeast).	

Photo 3: View of STNY installing waterproofing in the mat slab area in waste characterization grid COMP A (facing east).	
Photo 4: View of STNY loading a truck with soil from Soil Stockpile 3 for off-site disposal to the Clean Earth of Bethlehem (CEPA) (facing west)	

File Name: 2021-09-17 Daily Field Report_052