DAILY FIELD REPORT 063

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	October 4, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 3:30 pm

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

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 10-foot-long by 4-foot-wide test pit to about 9 feet below grade surface (bgs) (from original site grade) to facilitate the collection of waste characterization 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. The excavation was 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 5-foot-long by 6-foot-wide L-shaped area to 4 feet bgs (from original site grade) in waste characterization grid COMP F (0-5) for the installation of plumbing 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 E.
- STNY loaded trucks with soil from two soil stockpiles[1] in waste characterization grids COMP J South and COMP H for off-site disposal to the Clean Earth of Bethlehem (CEPA) facility located in Bethlehem, Pennsylvania.
- STNY began installing sub-membrane depressurization (SMD) system components in accordance with the design documents.
    - Non-woven, geotextile fabric (Mirafi 140N) was placed at the base of installation areas in waste characterization grids COMP E and COMP F to isolate the SMD system from subgrade fines.
    - A minimum 2-inch-thick layer of 0.75-inch virgin stone was placed on top of the geotextile fabric, representing the base 2 inches of the 8-inch gas permeable aggregate layer.
    - About 100 feet of 4-inch diameter perforated polyvinyl chloride (PVC) piping, wrapped with a polyester filter sleeve, was placed on top of the aggregate layer base.

Material Tracking:

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

[1] COMP D (0-5),

Samples Collected:

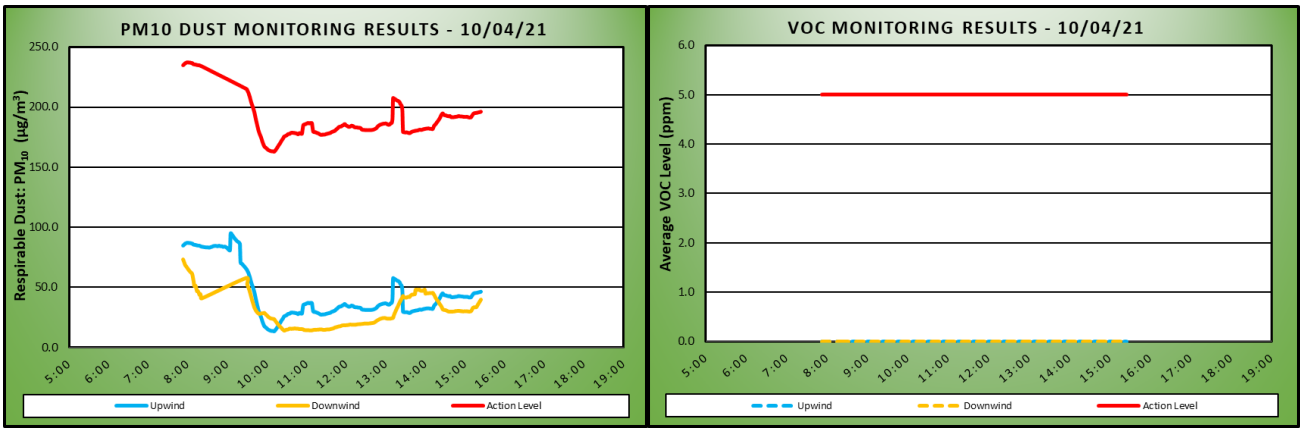
- Clean Earth, Inc. collected one sample set, consisting of one composite sample and one grab sample from the LB22 hotspot excavation for waste characterization purposes. The samples were submitted to Eurofins for analysis of total volatile organic compounds (VOC), total semivolatile organic compounds (SVOC), Resource Conservation and Recovery Act (RCRA) 8 metals including beryllium, nickel, copper, zinc, and hexavalent chromium, RCRA 8 toxicity characteristic leaching procedure (TCLP) Metals including nickel, copper, and zinc, RCRA characteristics (corrosivity, ignitability, and reactivity), PCBs, TCLP VOCs, TCLP SVOCs, TCLP Herbicides, and TCLP Pesticides.
    - WC-1 LB22 OE VOC
    - WC-1 LB22 OE (0-9)
- Langan collected six documentation samples from the southern sidewall of the site. The documentation soil samples were 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).
    - EPSW01
    - EPSW02
    - EPSW03
    - EPSW05
    - EPSW06
    - EPSW07

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	78.9		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	45.4	31.4	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	94.9	73.4	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	11.5	10.8	Minimum 1-min Instant Reading	0.1	0.0
Maximum 1-min Instant Reading	298.0	119.3	Maximum 1-min Instant Reading	0.0	0.0

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

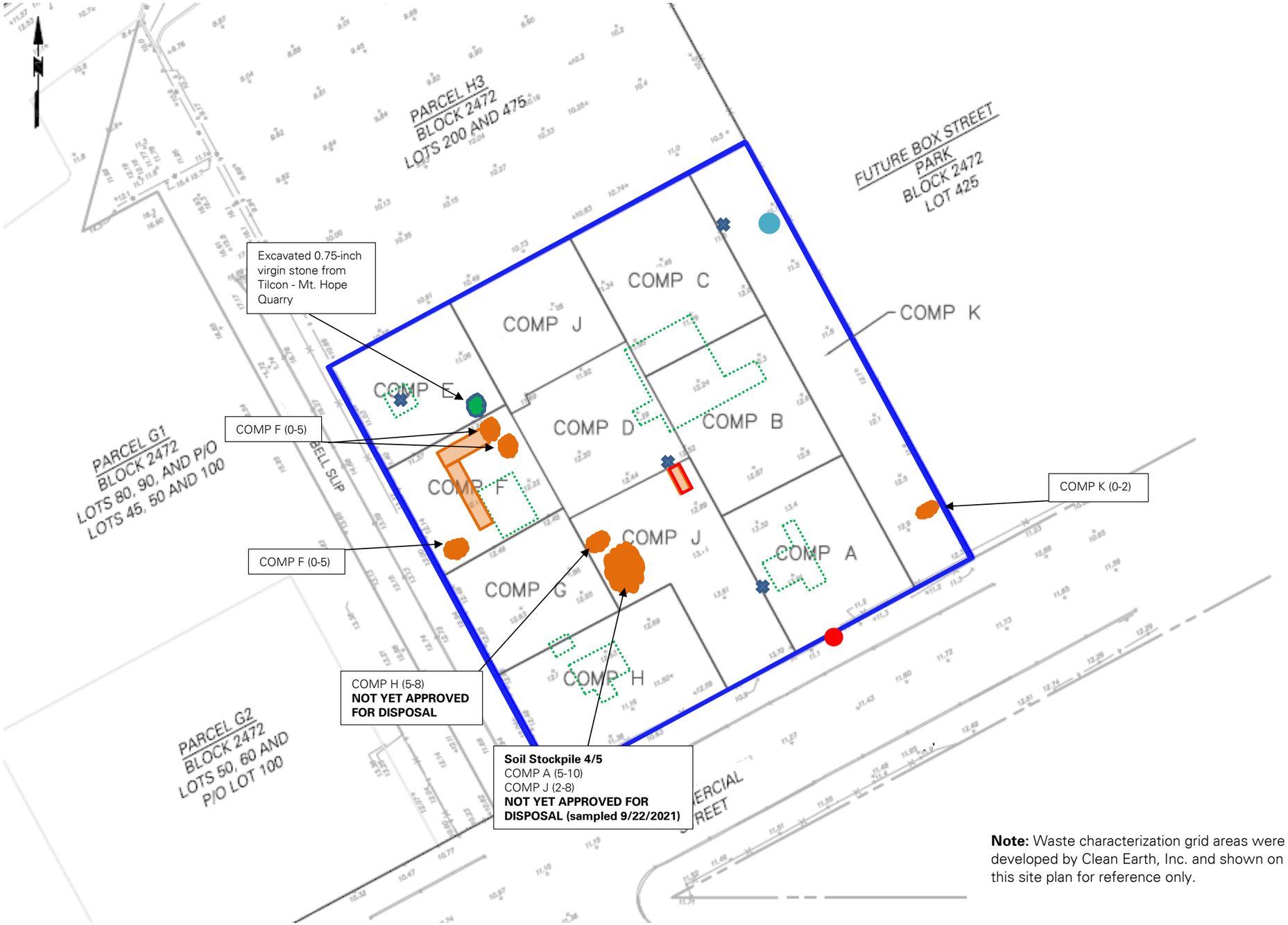
No data was collected from the downwind station from 8:22 AM until 9:14 AM due to ongoing equipment maintenance/repairs. No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the 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 continue installing SMD system components.

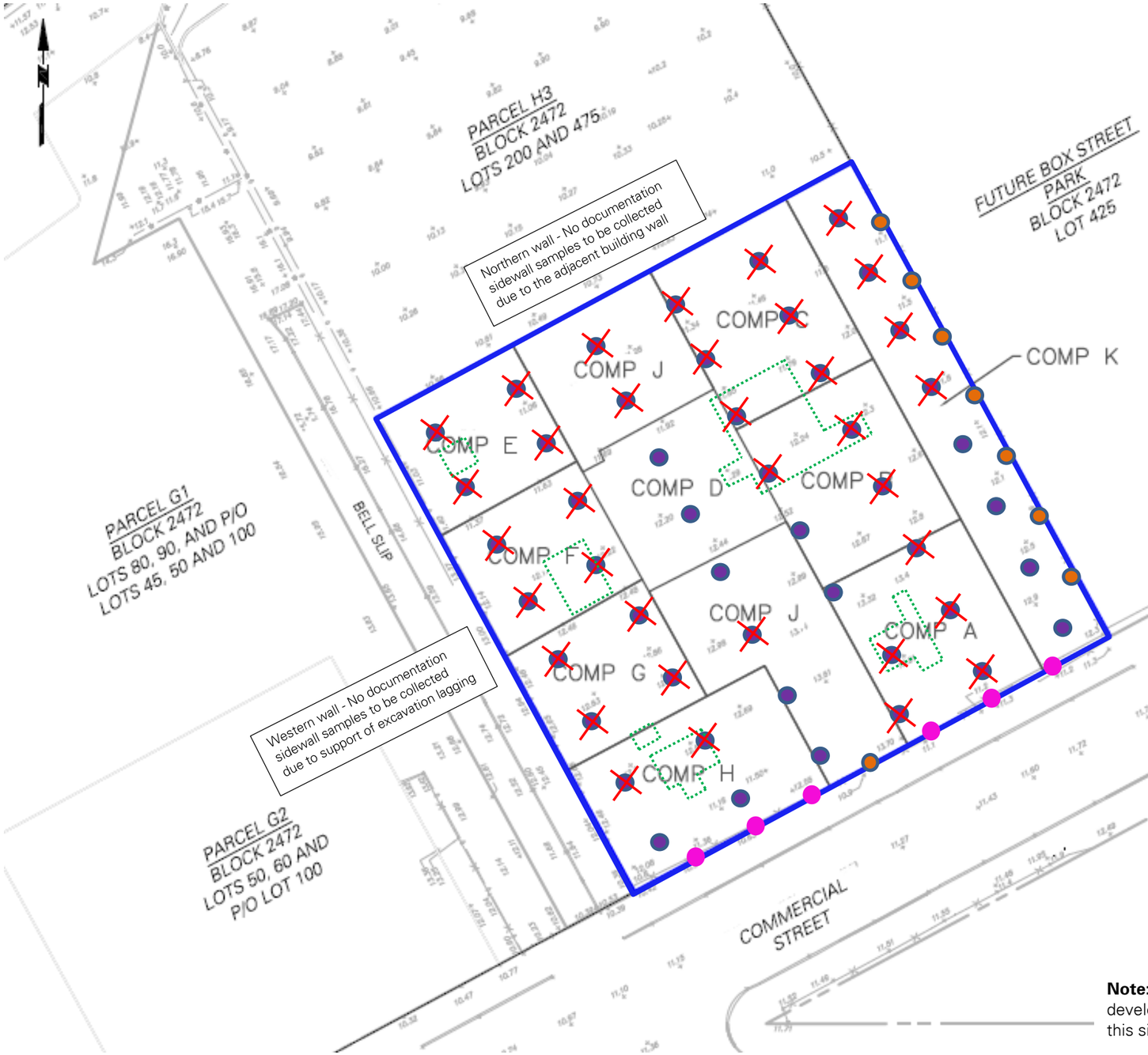
SITE PLAN



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

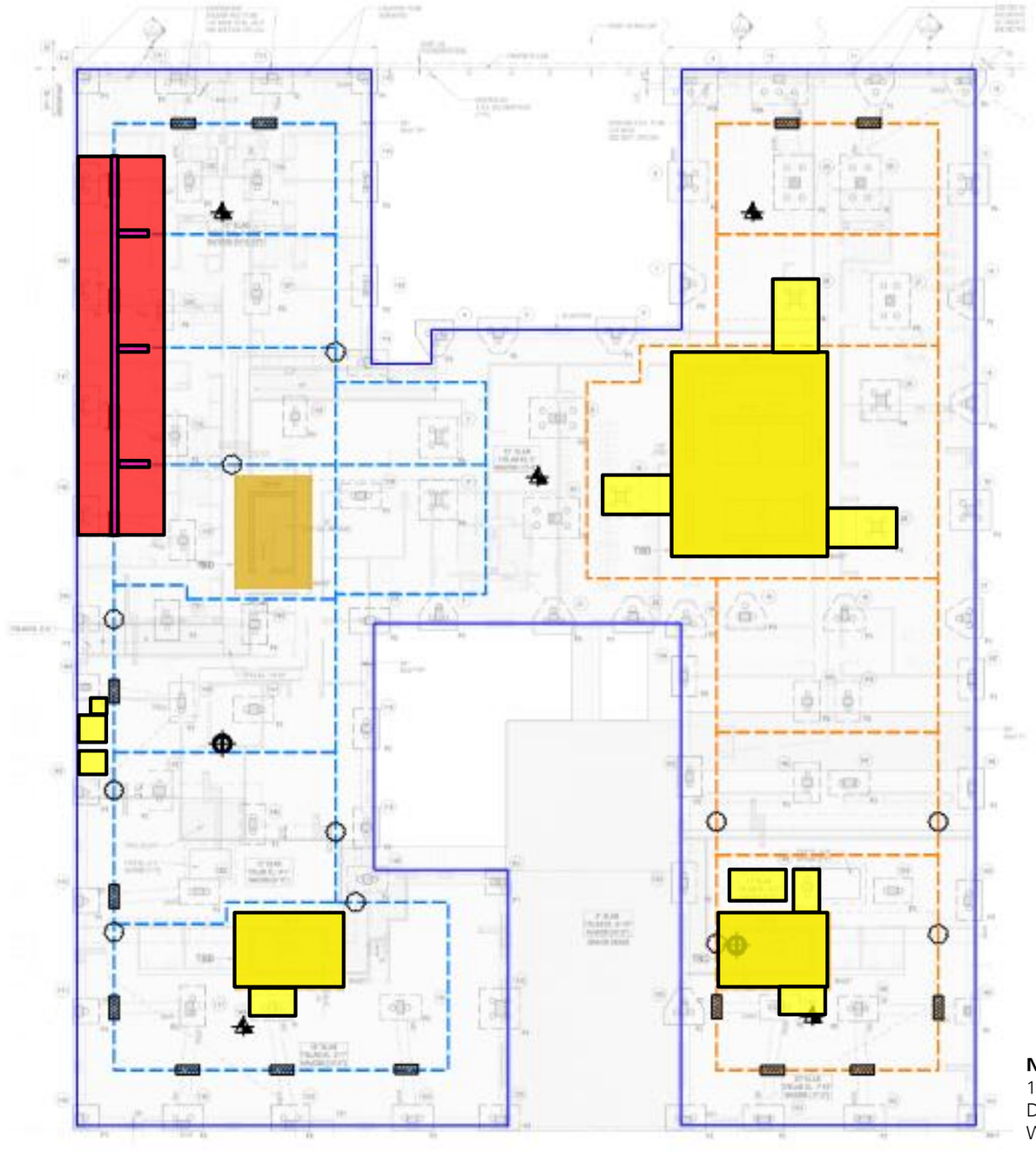
Proposed Base Documentation Sample Location

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

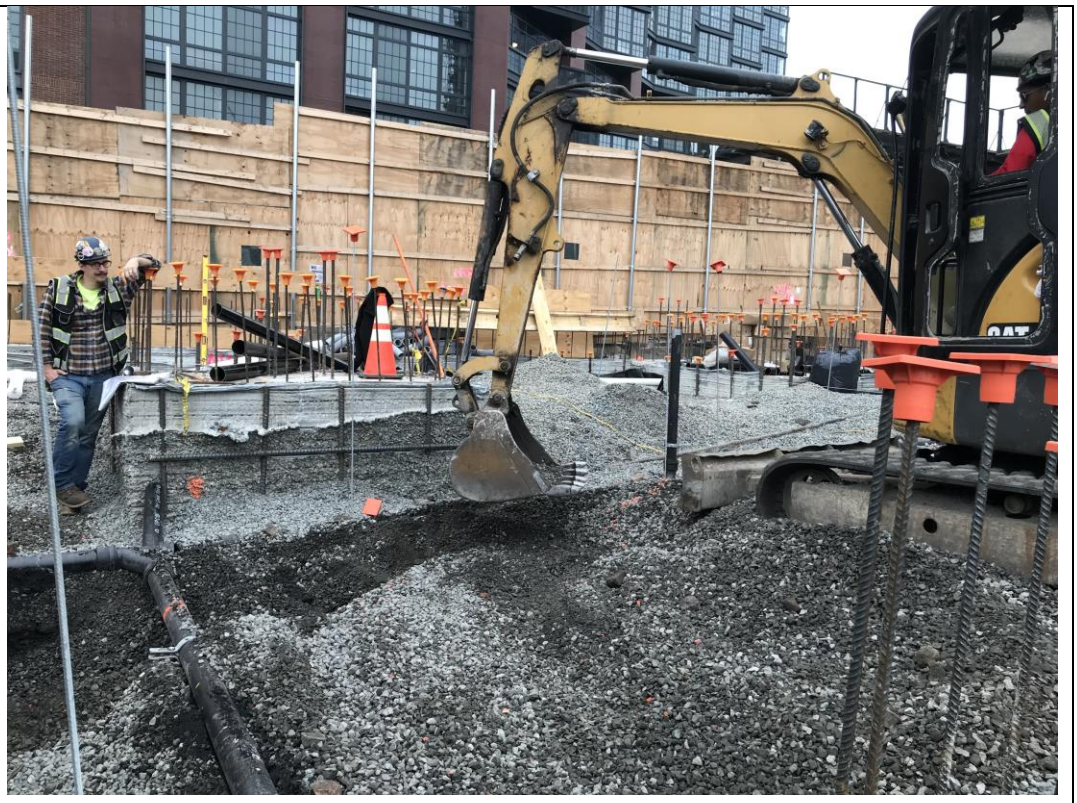
Photo 1: View of STNY excavating for plumbing piping in waste characterization grid COMP F (facing west).	
Photo 2: View of STNY installing geotextile fabric for the SMD system in waste characterization grid COMP E (facing west).	

Photo 3: View of STNY installing PVC piping for the SMD system in waste characterization grid COMP F (facing west).	
Photo 4: View of STNY loading soil into trucks for off-site disposal to the CEPA facility (facing north).	

DAILY FIELD REPORT 064

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	October 5, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 3:30 pm

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

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 two about 25-foot-long by 3-foot-wide areas to a maximum depth of 1.5 feet below grade surface (bgs) (from original site grade) in waste characterization grid COMP D (0-5) for the installation of plumbing 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 D, COMP E and COMP F.
- STNY relocated a soil stockpile[1] from waste characterization grid COMP F to waste characterization grid COMP D in preparation for off-site disposal.
- STNY poured concrete for pile caps and grade beams in waste characterization grids COMP C, COMP D and COMP H, for a mat slab area in waste characterization grid COMP H, and for a sewage ejector pit in waste characterization grid COMP A.

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.

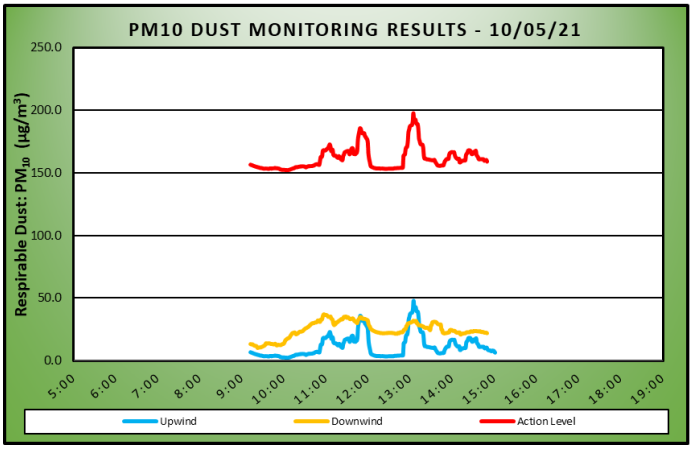
1 COMP F (0-5) and COMP D (0-5).

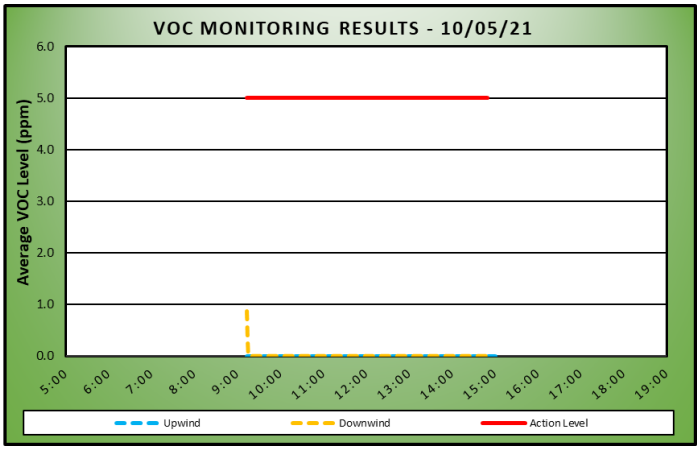
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	10.0		Daily background	0.45	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	11.2	24.4	Daily Time Weighted Average	0.0	0.1
Maximum 15-min Average	47.5	37.1	Maximum 15-min Average	0.0	0.9
Minimum 1-min Instant Reading	0.0	7.3	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	147.3	82.3	Maximum 1-min Instant Reading	0.0	10.4

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

Data was not collected until 8:58 AM due to inclement weather. 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 continue installing SMD system components.

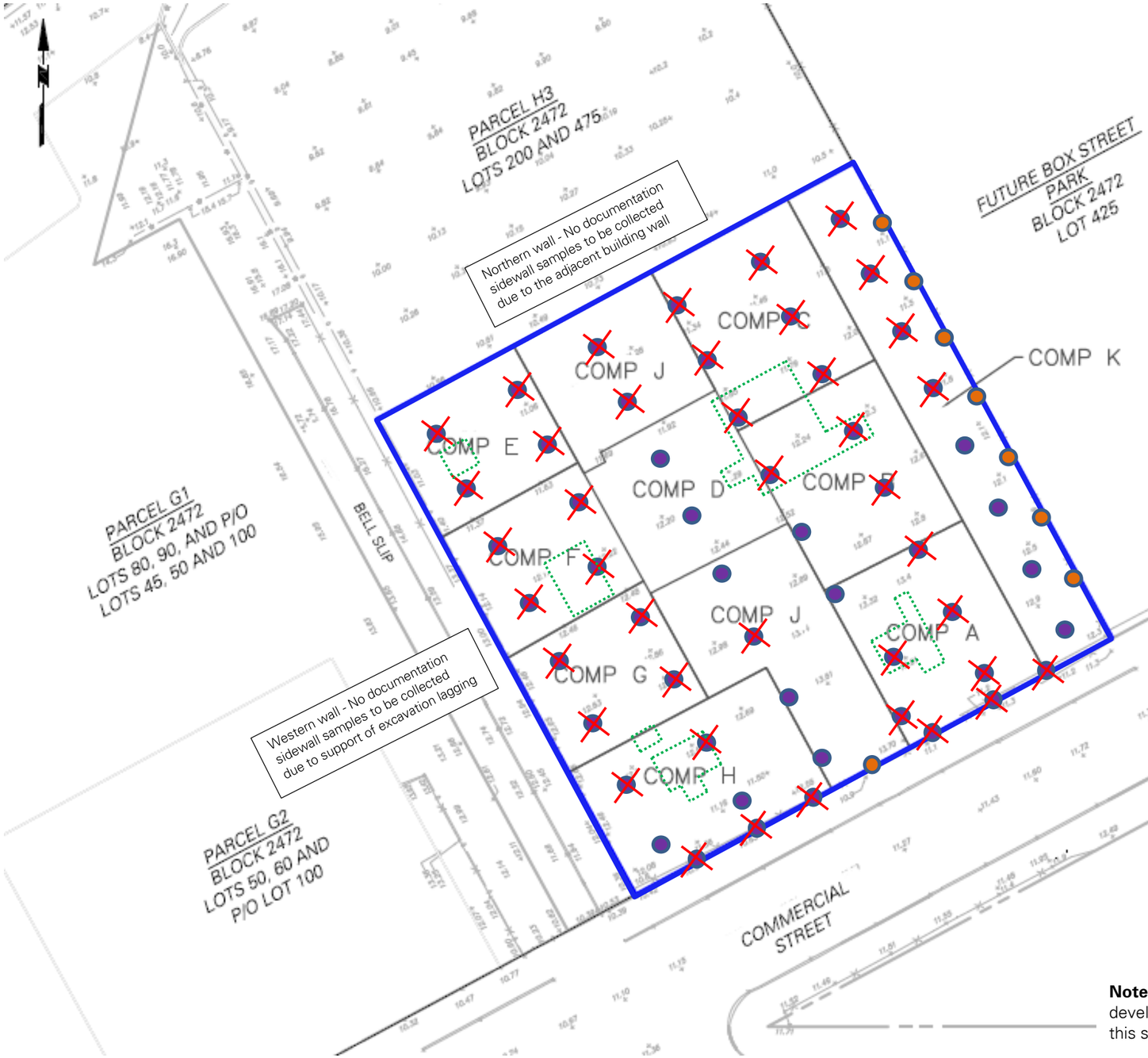
File Name: 2021-10-05 Daily Field Report_064

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

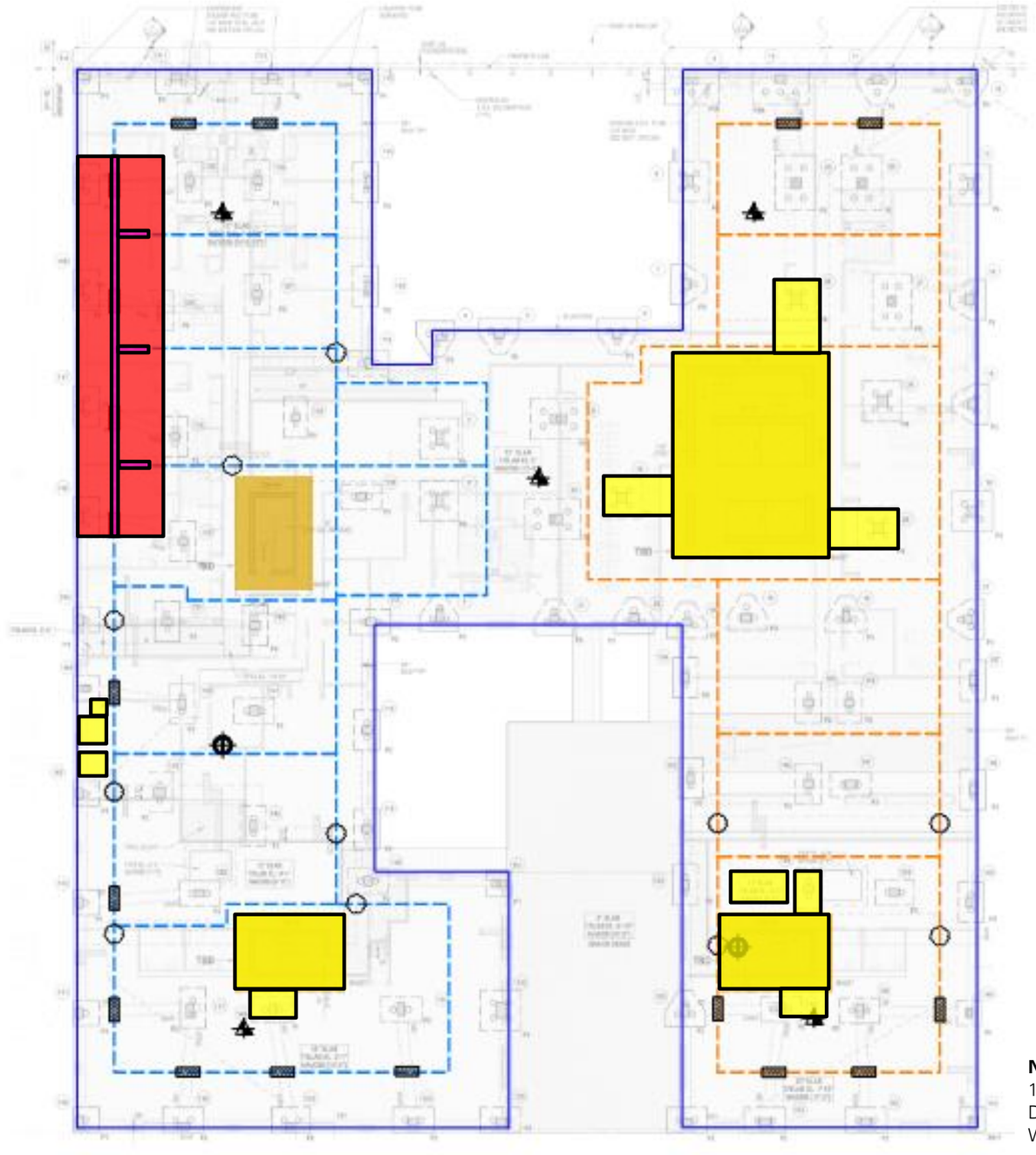
Proposed Base Documentation Sample Location

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: General view of the site (facing west)	
Photo 2: View of STNY pouring concrete for grade beams in waste characterization grid COMP H (facing northwest).	

Photo 3: View of STNY excavating for plumbing piping installation in waste characterization grid COMP D (facing west).	
Photo 4: View of STNY pouring concrete in a mat slab area in waste characterization grid COMP H (facing northwest)	

DAILY FIELD REPORT 065

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	October 6, 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
Andrew Nesci
Ashley Stappenbeck

Work Activities Performed:

- STNY excavated the following areas of the site. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination.
    - An about 17-foot-long by 16-foot-wide area to 8 below grade surface (bgs) (from original site grade) in waste characterization grid COMP J South to install a utility manhole. Excavated material consisted of non-native soil that did not exhibit signs of chemical- or petroleum-like contamination and was stockpiled on the boundary of waste characterization grids COMP J South, COMP B and COMP A (Soil Stockpile 1).
    - An about 30-foot-long by 5-foot-wide area to about 3 feet bgs (from original site grade) in waste characterization grids COMP D (0-5), COMP F (0-5), and COMP G (0-5) for the installation of plumbing utility piping. Excavated material was stockpiled in waste characterization grid COMP D (Soil Stockpile 1).
    - An about 20-foot-long by 8-foot-wide area to 4 feet bgs (from original site grade) in waste characterization grid COMP G for the installation of plumbing utility piping. Excavated material was added to Soil Stockpile 1.
- STNY loaded trucks with Soil Stockpile 4/5 for off-site disposal to the Clean Earth of Carteret (CEC) facility located in Carteret, New Jersey.
- STNY relocated a soil stockpile[1] from waste characterization grid COMP J South to waste characterization grid COMP H to clear space for excavation.

Material Tracking:

- The following soil/fill was exported from the site:
    - Five 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 from site.

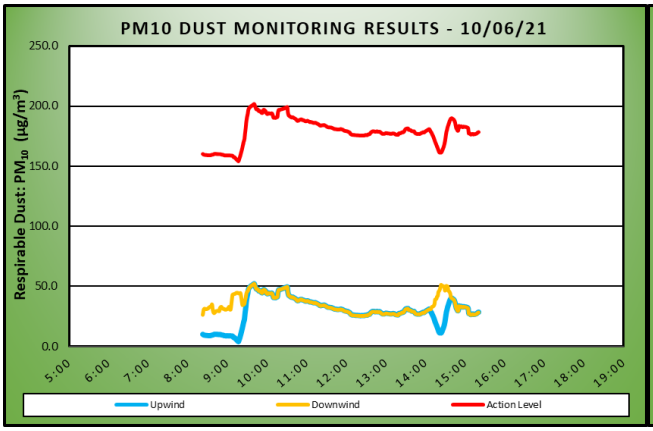
1 COMP H (5-8).

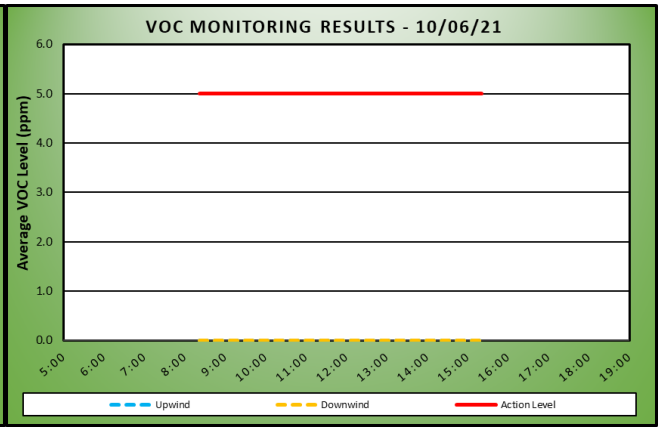
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	18.4		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	29.1	34.5	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	52.0	52.0	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	-0.8	18.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	108.5	108.5	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.
- STNY will continue installing SMD system components.

File Name: 2021-10-06 Daily Field Report_065

SITE PLAN

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

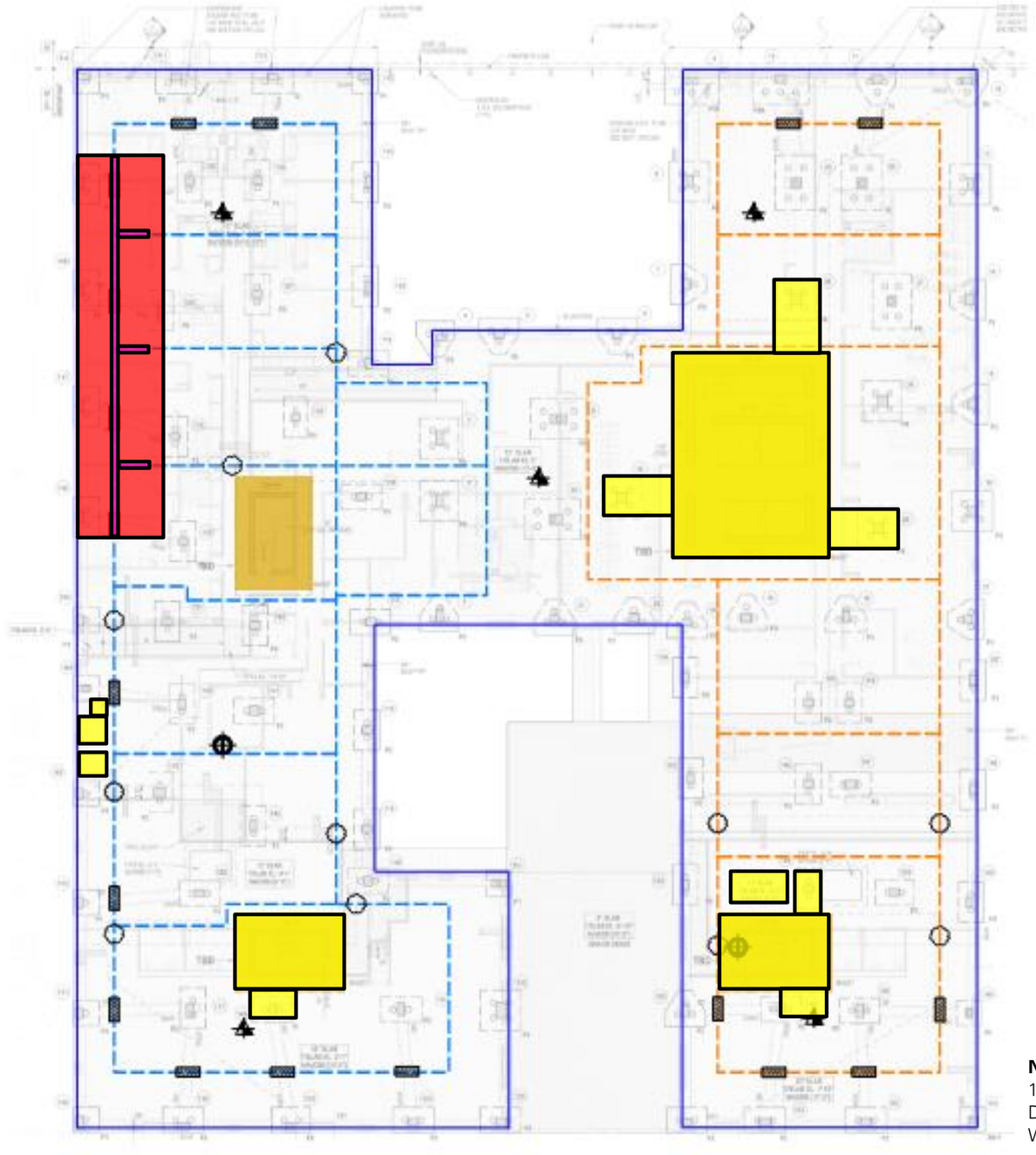
- **Site Boundary**
- **Waste Characterization Grid COMP I (5-10)**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate 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 loading trucks with Soil Stockpile 4/5 for off-site disposal to the CEC facility (facing north)	
Photo 2: View of STNY excavating in waste characterization grid COMP J South for utility manhole installation (facing north).	

Photo 3: View of utility manhole in waste characterization COMP J South (facing west).	
Photo 4: View of plumbing excavation in waste characterization grids COMP D, COMP F, and COMP G (facing west)	

DAILY FIELD REPORT 066

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	October 7, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 3:30 pm

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

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
Brad Koontz

Work Activities Performed:

- STNY excavated the following areas of the site. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination.
    - An about 8-foot-long by 8-foot-wide area from 8 to 9 feet below grade surface (bgs) in waste characterization grid COMP J South to install a utility manhole. Excavated was added to an existing soil stockpile[1] in waste characterization grid COMP H.
    - An about 13-foot-long by 12-foot-wide area to 7 bgs (from original site grade) in waste characterization grid COMP K to install a utility manhole. Excavated material consisted of non-native soil that did not exhibit signs of chemical- or petroleum-like contamination and was stockpiled in waste characterization grids COMP K and COMP B, or added to an existing soil stockpile[2] in waste characterization grid COMP H.
    - An about 30-foot-long by 8-foot-wide area to about 4 feet bgs (from original site grade) in waste characterization grid COMP J North for the installation of plumbing utility piping. Excavated material consisted of imported 0.75-inch stone or non-native soil that did not exhibit signs of chemical- or petroleum-like contamination. The stone and soil were not comingled during excavation and stockpiled separately in waste characterization grid COMP J North.
    - An about 50-foot-long by 3-foot-wide area to a maximum depth of 2 feet bgs (from original site grade) in waste characterization grid COMP K to allow the excavator to access the manhole excavation. Excavated material was stockpiled in waste characterization grid COMP K.
- STNY loaded trucks with soil from a soil stockpile[3] in waste characterization grid COMP D and Soil Stockpile 1 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:
    - Two 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 from site.

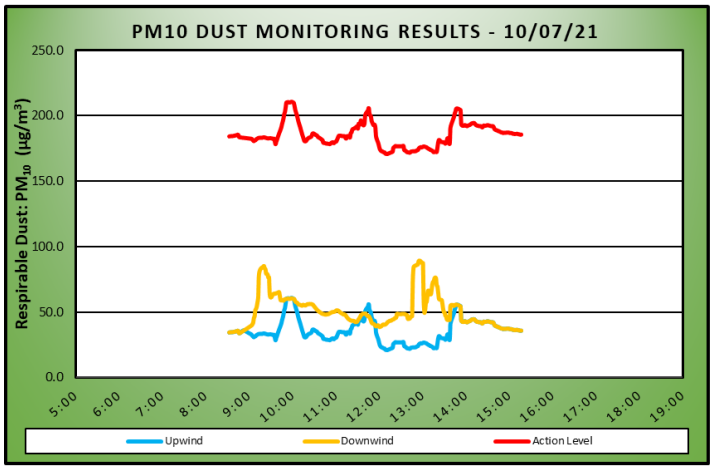
[1] COMP H (5-8), COMP J South (8-9), COMP K (6-7)
[2] COMP H (5-8), COMP J South (8-9), COMP K (6-7)
[3] COMP F (0-5), COMP D (0-5)

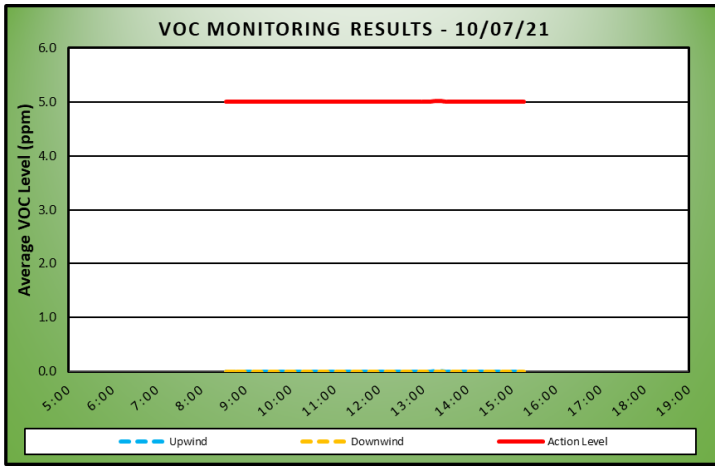
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	34.4		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	35.7	50.0	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	60.6	89.6	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	1.3	30.5	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	201.3	463.0	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 continue installing SMD system components.

File Name: 2021-10-07 Daily Field Report_066

SITE PLAN

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

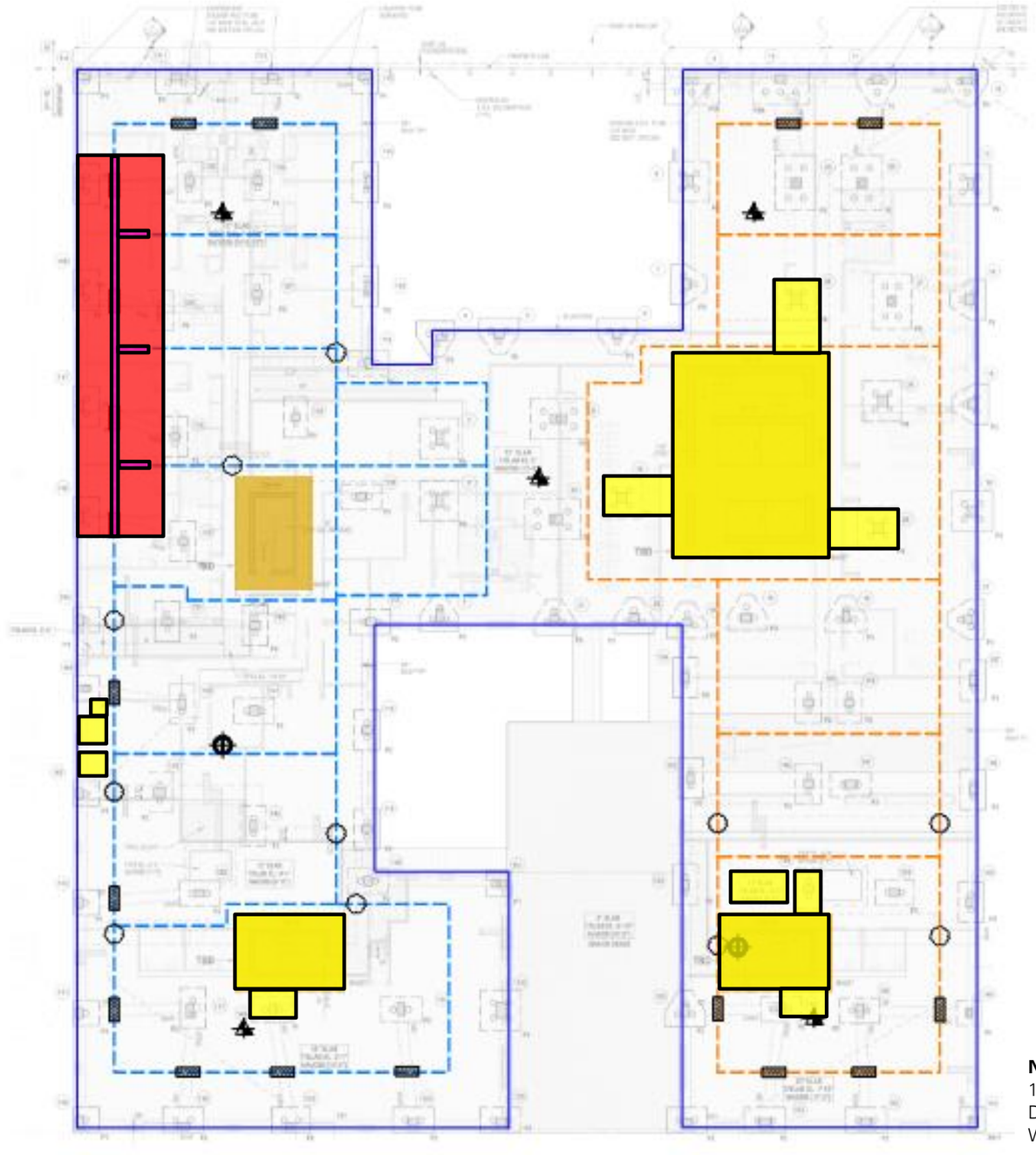
- **Site Boundary**
- **Waste Characterization Grid COMP I (5-10)**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate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

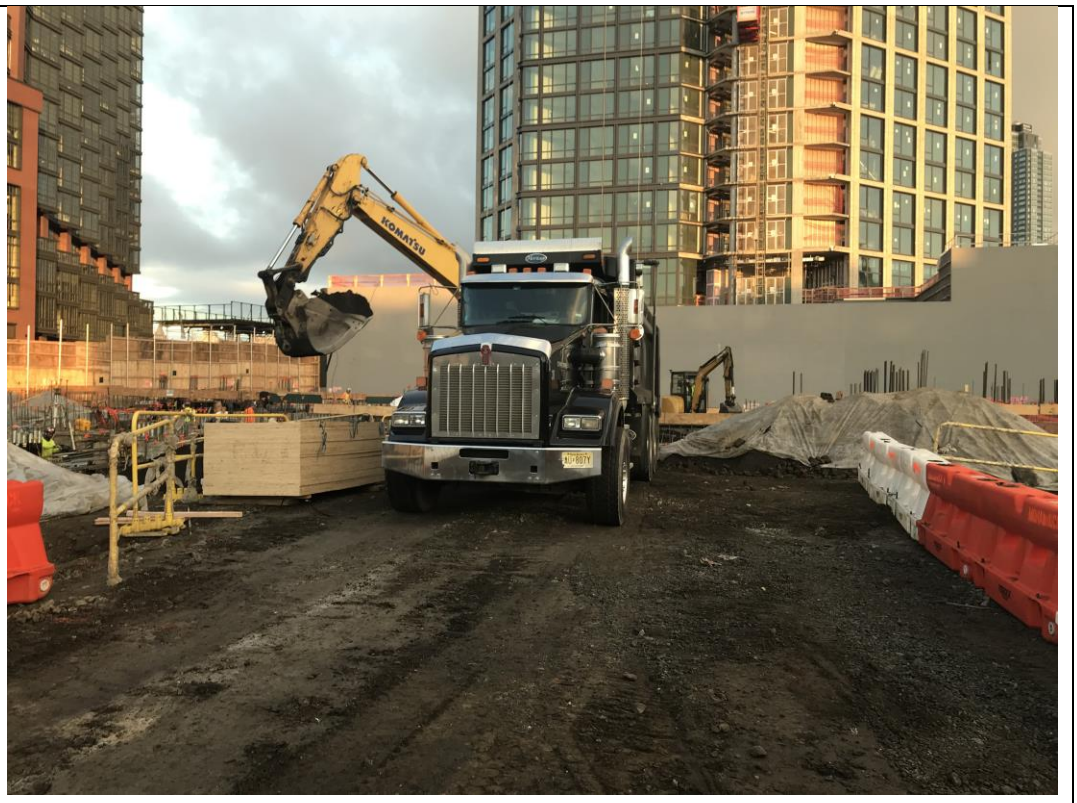
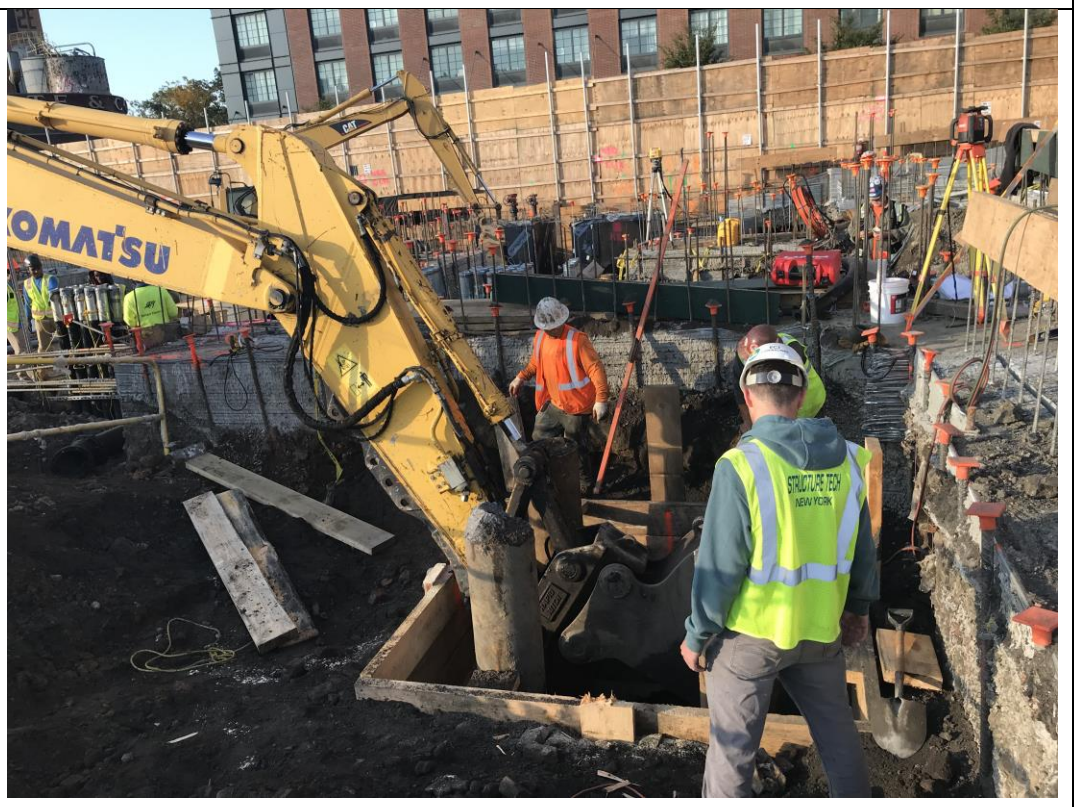
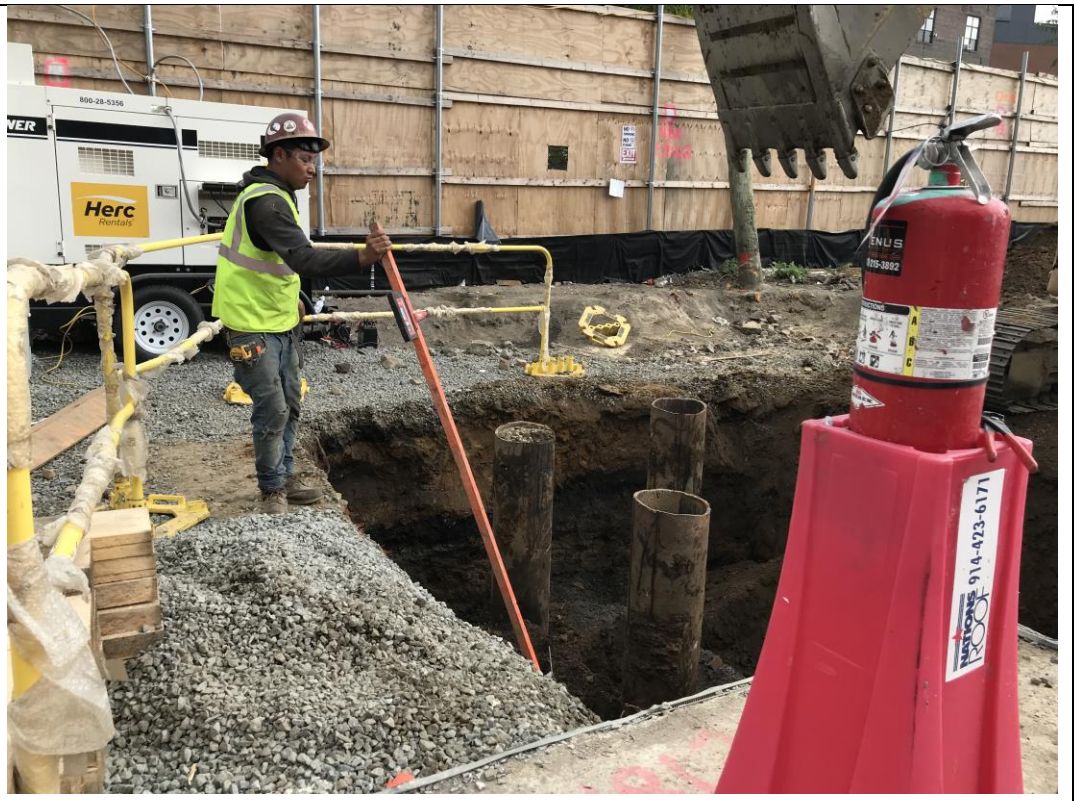
Photo 1: View of STNY loading trucks for off-site disposal to the CEPA facility (facing north)	
Photo 2: View of STNY excavating in waste characterization grid COMP J South to install a utility manhole (facing west).	

Photo 3: View of STNY excavating in waste characterization grid COMP K to install a utility manhole (facing east).	
Photo 4: View of plumbing excavation in waste characterization COMP J North (facing west).	

File Name: 2021-10-07 Daily Field Report_066

DAILY FIELD REPORT 067

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	October 8, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 3:30 pm

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

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 the following areas of the site. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination.
    - An about 11-foot-long by 8-foot-wide area to about 4 feet below grade surface (bgs) (from original site grade) in waste characterization grid COMP J North for the installation of plumbing 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 added to existing stockpiles in waste characterization grid COMP J North.
    - An about 50-foot-long by 20-foot-wide area to 2 feet bgs (from original site grade) in waste characterization grid COMP K for the remedial excavation. Excavated material was stockpiled in waste characterization grid COMP K or live loaded into trucks for off-site disposal to the Clean Earth of Bethlehem (CEPA) facility located in Bethlehem, Pennsylvania.
    - An about 56-foot-long by 8-foot-wide area to about 4 feet bgs (from original site grade) in waste characterization grid COMP D for the installation of plumbing utility piping. Excavated material was stockpiled on the boundary of waste characterization grids COMP D and COMP J South.
- STNY backfilled an about 60-foot-long by 25-foot-wide area in waste characterization grid COMP K with New York State Department of Environmental Conservation (NYSDEC)-approved 0.75-inch virgin stone from Tilcon – Mt. Hope Quarry from about 2 feet bgs (from original site grade) to about 1 foot bgs.
    - STNY placed a demarcation layer consisting of orange snow fencing at the base and up the sidewalls of the remedial excavation area before backfilling.
- STNY loaded trucks with a soil stockpile[1] in waste characterization grid COMP K for off-site disposal to the CEPA facility located in Bethlehem, Pennsylvania.

Material Tracking:

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

[1] COMP K (0-2)

Samples Collected:

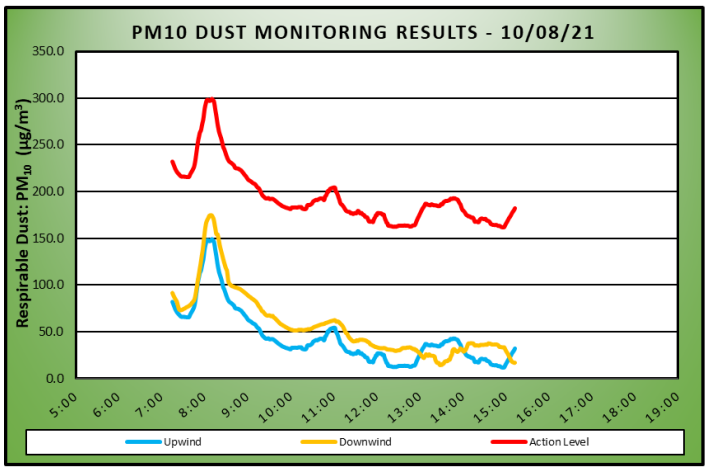
- Langan collected three documentation samples from 2 feet bgs in waste characterization grid COMP K. The documentation soil samples were submitted to Alpha Analytical Laboratories, Inc. for analysis of Part 375 volatile organic compounds (VOC), Part 375 semivolatile organic compounds (SVOC) including 1,4-dioxane, polychlorinated biphenyls (PCB), pesticides/herbicides, target analyte list (TAL) metals including hexavalent and trivalent chromium, and per- and polyfluoroalkyl substances (PFAS).
    - EP30_2
    - EP36_2
    - EP42_2

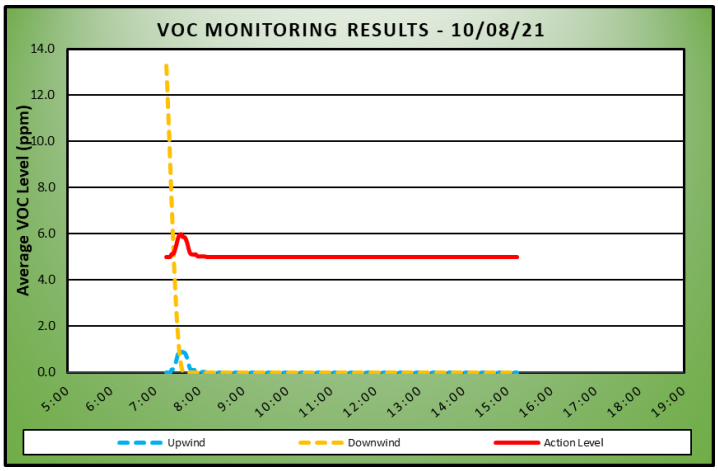
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	87.0		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	45.2	57.8	Daily Time Weighted Average	0.0	0.5
Maximum 15-min Average	149.4	174.8	Maximum 15-min Average	1.0	13.3
Minimum 1-min Instant Reading	10.0	9.8	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	186.3	205.8	Maximum 1-min Instant Reading	1.9	18.6

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

Organic vapor exceeded the action level from 7:15 AM until 7:24 AM due to a calibration error. The equipment was re-calibrated and no additional exceedances were recorded for the remainder of the day. No particulate exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:

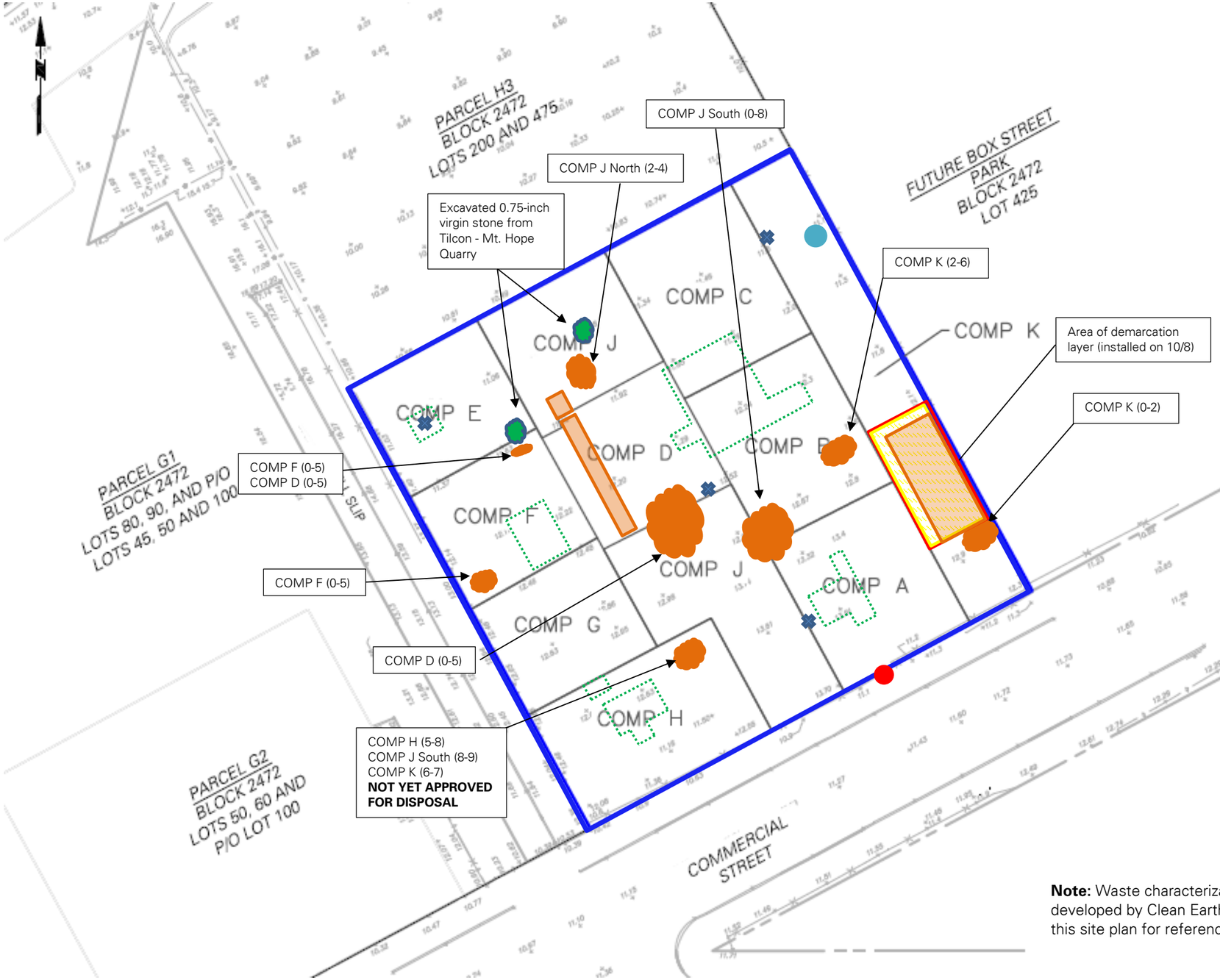




Planned Activities:

- 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 SMD system components.

SITE PLAN



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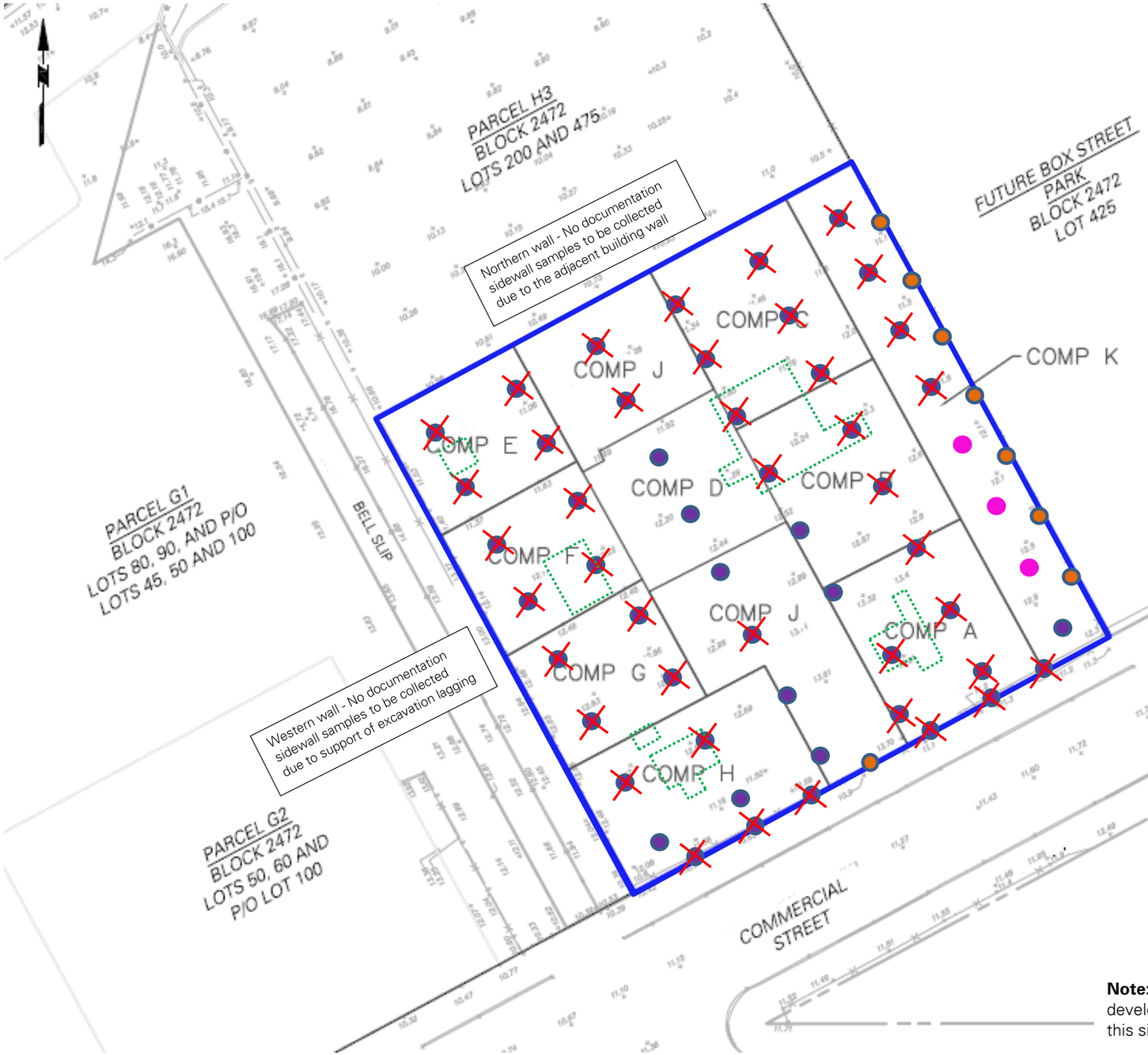
- **Site Boundary**
- **Waste Characterization Grid COMP I (5-10)**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate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

DOCUMENTATION SAMPLE PLAN



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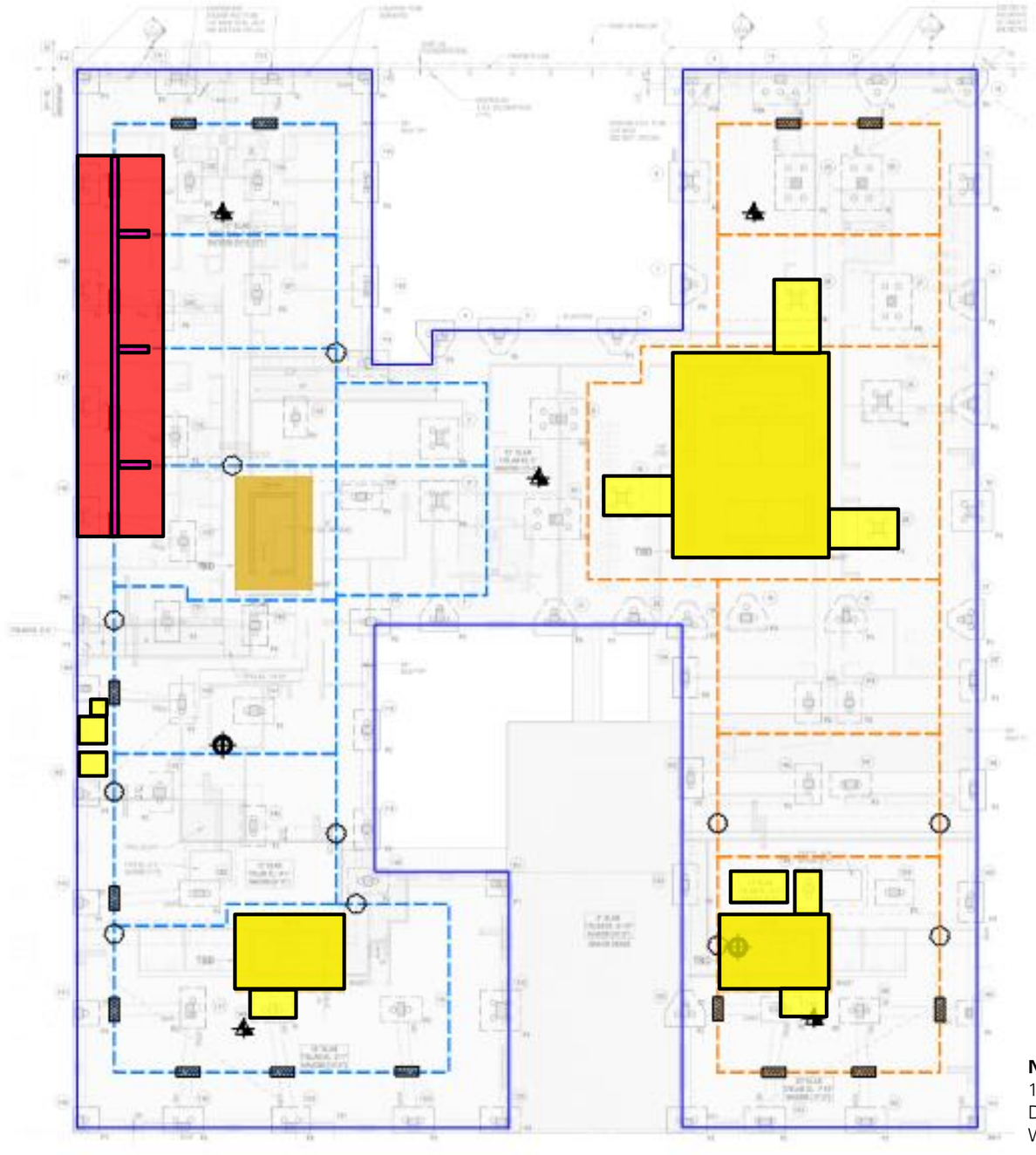

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Photo Log

Photo 1: View of STNY loading trucks for off-site disposal to the CEPA facility (facing north).	
Photo 2: View of STNY placing demarcation layer in waste characterization grid COMP K (facing south).	

Photo 3: View of plumbing excavation in waste characterization COMP J North (facing west).	
Photo 4: View of plumbing excavation in waste characterization grid COMP D (facing southwest).