DAILY FIELD REPORT 073

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	October 18, 2021
Project Name:	45 Commercial Street	**Time:**	6:45 am to 3:15 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, Inc. (CE)

Langan Field Personnel:
Lauren Roper

Work Activities Performed:

- STNY installed sub-membrane depressurization (SMD) system components in accordance with the design documents.
    - Non-woven, geotextile fabric (Mirafi 140N) was placed over an about 110-foot-long by 60-foot-wide compacted/flattened area in waste characterization grids COMP E and COMP F to isolate the SMD system from subgrade fines.
    - A minimum 8-inch-thick layer of 0.75-inch virgin stone was placed in an about 60-foot-long by 50-foot-wide area in waste characterization grid COMP E above the geotextile fabric to install the gas permeable aggregate layer.
    - About 180 feet of 4-inch-diameter slotted polyvinyl chloride (PVC) piping, wrapped with a polyester filter sleeve, was placed in waste characterization grid COMP E within the gas permeable aggregate layer for the SMD system.
- STNY placed vapor barrier (Stego® Wrap 20 Mil) in an about 40-foot-long by 20-foot-wide area in waste characterization grid COMP E on top of previously installed SMD system components. Vapor barrier seams were set with at least 6-inches of overlap and sealed with Stego® Tape. Vapor barrier installation documentation is to verify general conformance with specifications and contract documents. No rips, tears, or holes were observed during the installation.
- STNY relocated two soil stockpiles[1] in waste characterization grid COMP F and added them to a soil stockpile[2] on the boundary of waste characterization grids COMP J South and COMP H.

Material Tracking:

- No soil/fill was exported from the site.
- The following materials were imported to the site:
    - 7 loads of 0.75-inch virgin stone from Tilcon – Mt. Hope Quarry located in Wharton Borough, NJ. The imported stone was used as backfill for the SMD aggregate layer or was stockpiled in waste characterization grid COMP J South.

Samples Collected:

- No samples were collected from site.

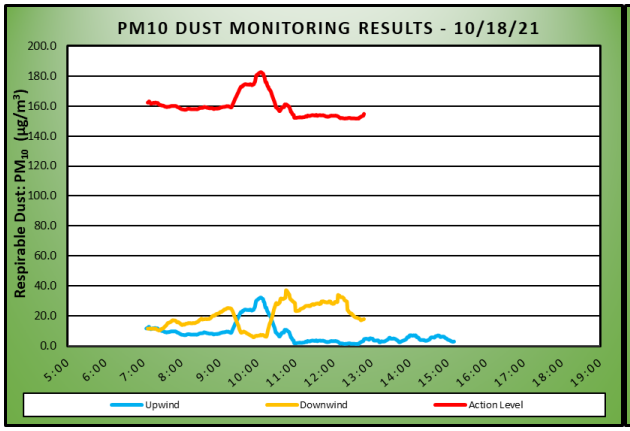
[1] COMP F (0-5), COMP D (0-5) and COMP F (0-5)
[2] COMP H (5-8), COMP J South (6-7), COMP J North (2-5), COMP K (6-7)

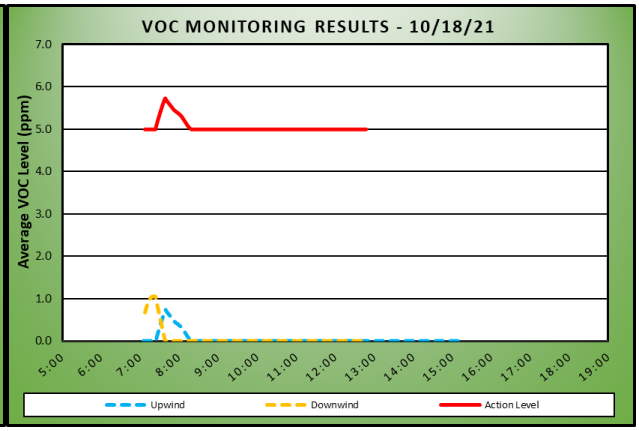
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	14.1		Daily background	0.1	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	8.5	19.7	Daily Time Weighted Average	0.0	0.1
Maximum 15-min Average	32.4	37.2	Maximum 15-min Average	0.7	1.1
Minimum 1-min Instant Reading	0.5	2.5	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	54.8	103.5	Maximum 1-min Instant Reading	0.9	1.1

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

Monitoring was not conducted at the downwind station after 12:48 due to a connectivity issue. The equipment manufacturer was contacted and are scheduled to perform maintenance on the following day. No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:



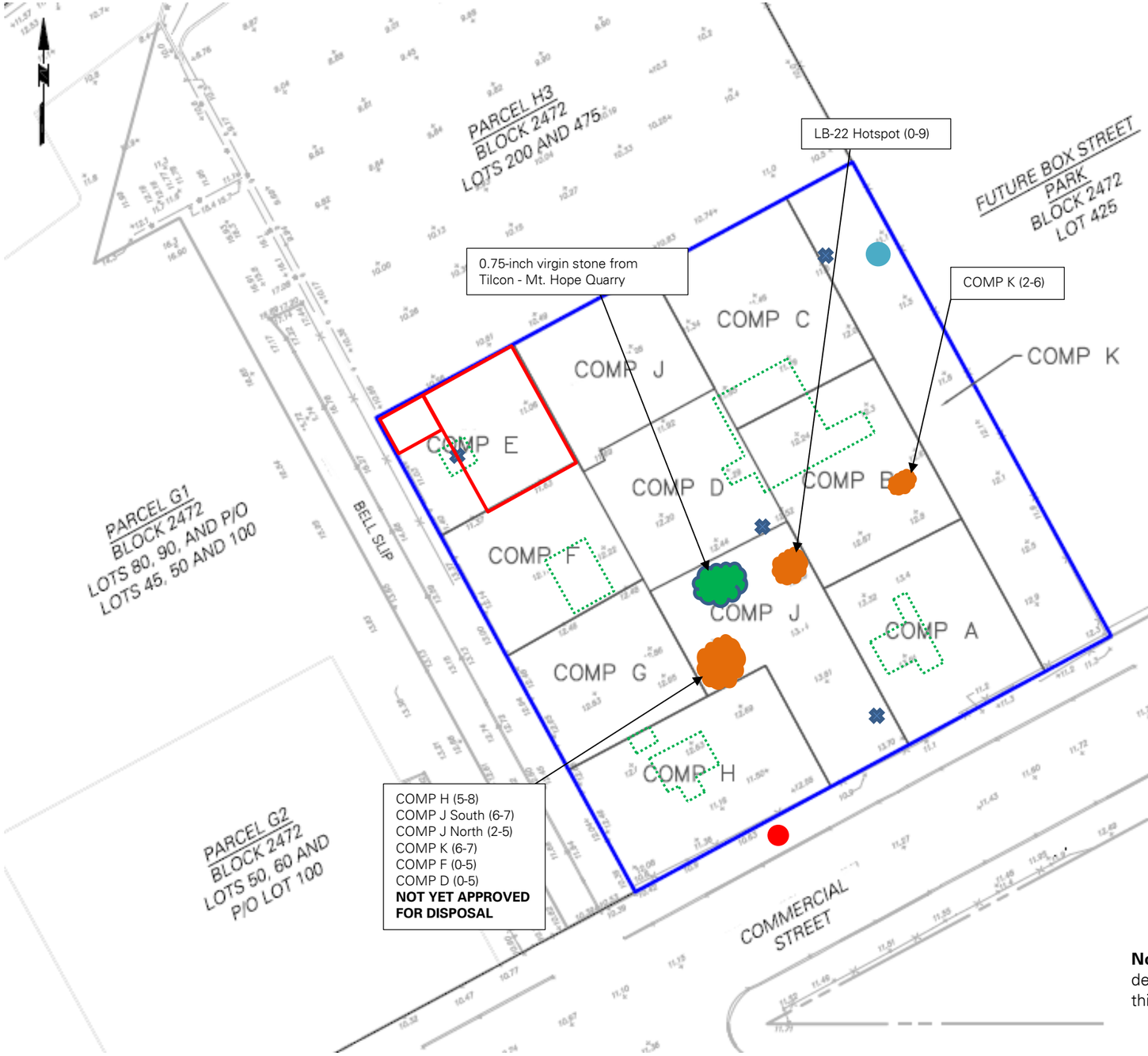


Planned Activities:

- STNY will continue mass excavating for the remedy, foundation elements, and utilities and will continue exporting soil for off-site disposal.
- STNY will continue installing SMD system components and the vapor barrier

File Name: 2021-10-18 Daily Field Report_073

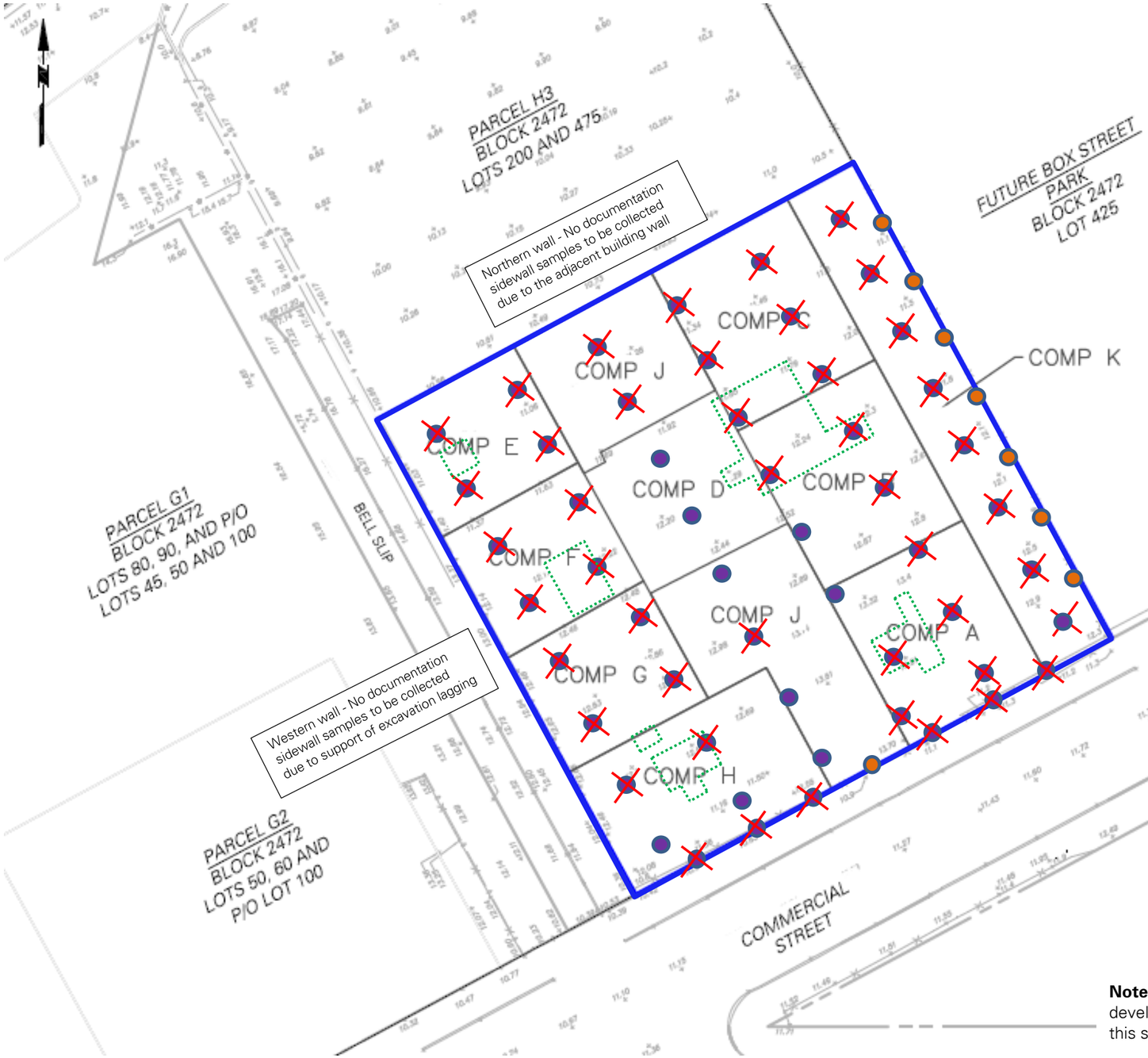
SITE PLAN



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 Area of Installed Demarcation Layer**
- **Approximate Location of Hotspot Endpoint Sample**

DOCUMENTATION SAMPLE PLAN



Site Boundary

Waste Characterization Grid
COMP I (5-10)

Proposed Base Documentation Sample Location

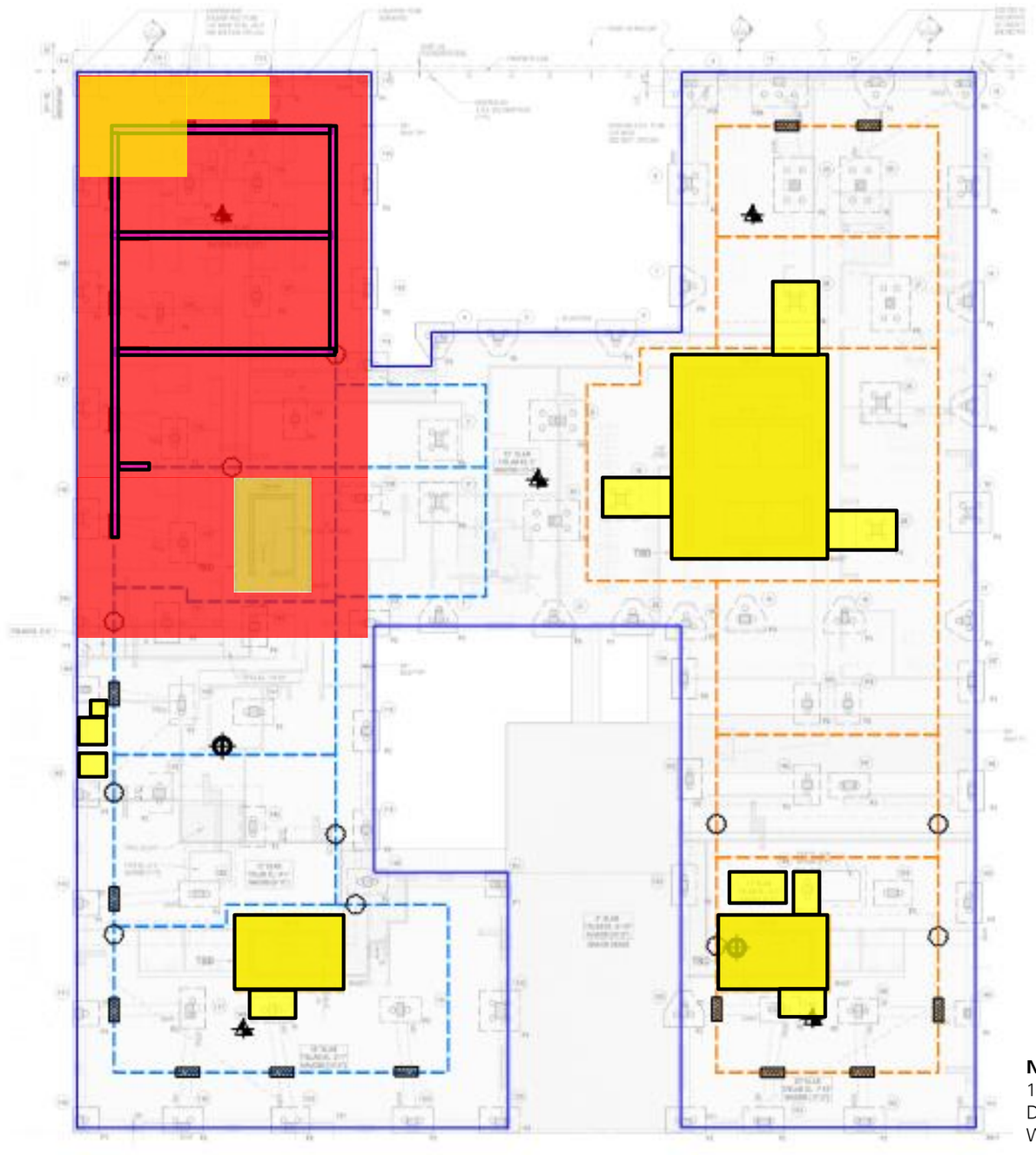
Proposed Base Documentation Sample Location

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.

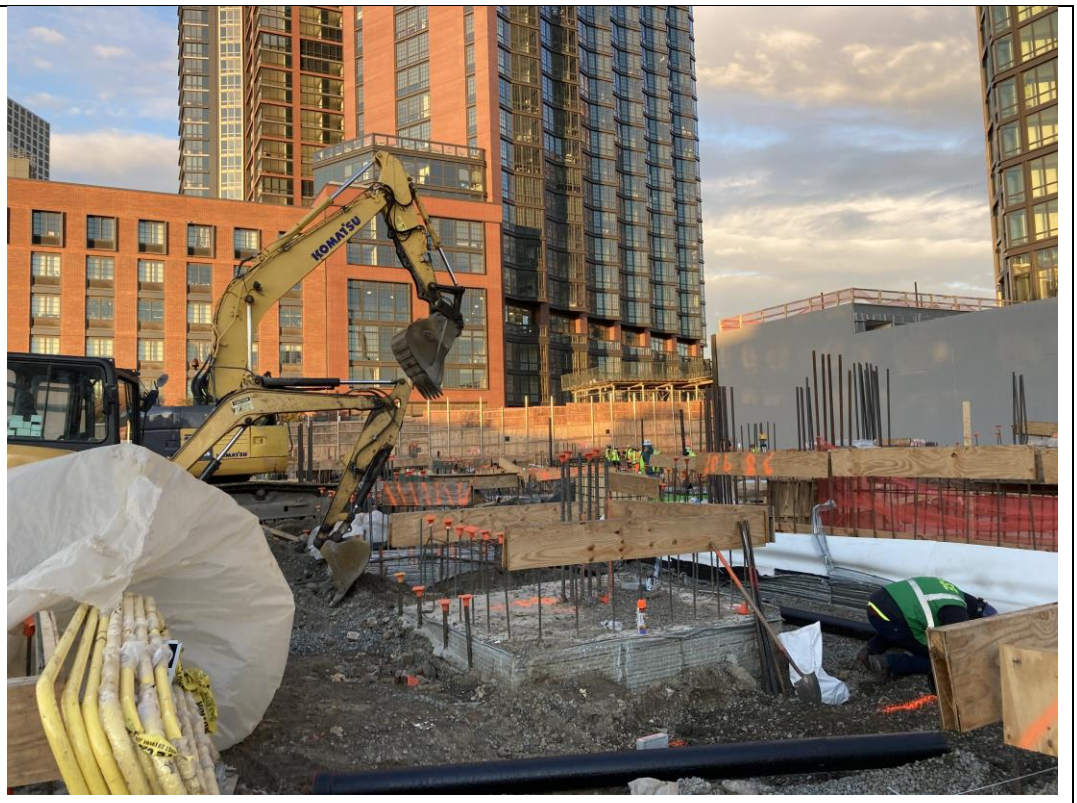
WATERPROOFING/VAPOR BARRIER AND SMD INSTALLATION MAP



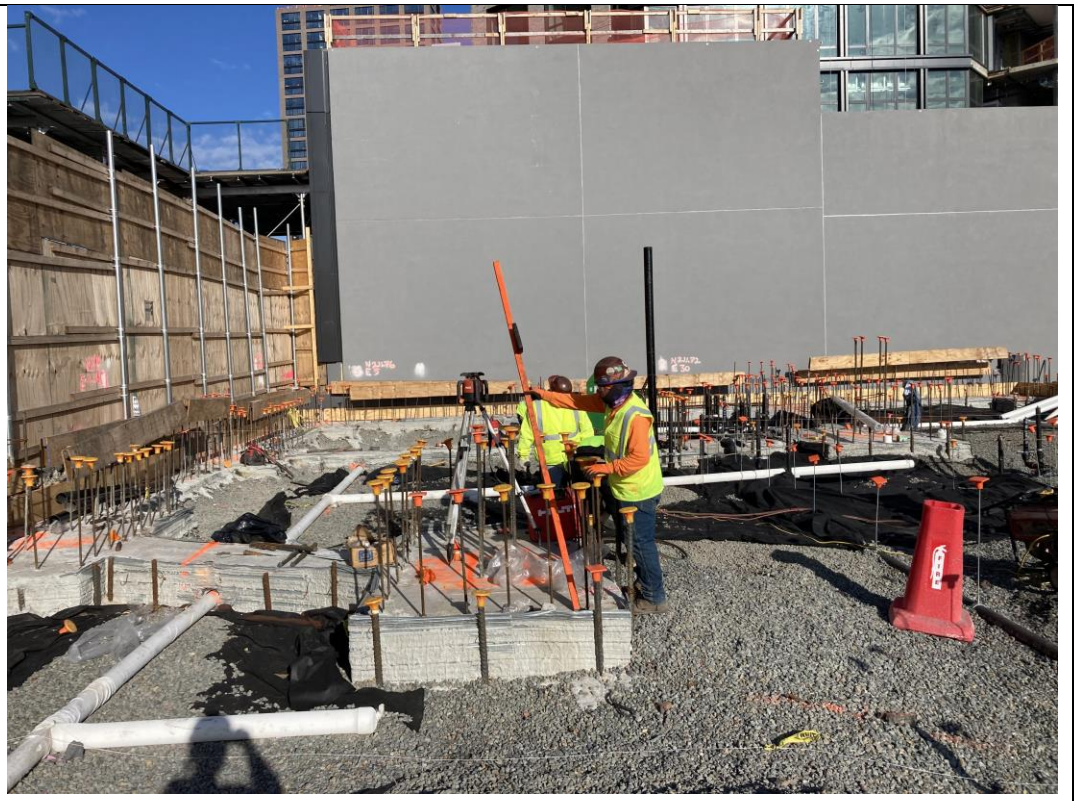
Note: Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

- **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 imported 0.75-inch stone stockpile located in waste characterization grid COMP J North (facing northeast).	

File Name: 2021-10-18 Daily Field Report_073

Photo 3: View of STNY installing geotextile fabric for the SMD system in waste characterization grdi COMP E (facing north).	
Photo 4: View of STNY backfilling with imported 0.75-inch stone for the SMD aggregate layer in waste characterization grid COMP E (facing east).	

DAILY FIELD REPORT 074

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 19, 2021
Project Name:	45 Commercial Street	**Time:**	6:45 am to 3:15 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, Inc. (CE)

Langan Field Personnel:
Lauren Roper

Work Activities Performed:

- STNY installed sub-membrane depressurization (SMD) system components in accordance with the design documents.
    - A minimum 8-inch-thick layer of 0.75-inch virgin stone was placed in an about 60-foot-long by 50-foot-wide area in waste characterization grid COMP F above previously installed geotextile fabric to install the gas permeable aggregate layer.
    - About 150 feet 4-inch-diameter slotted polyvinyl chloride (PVC) piping, wrapped with a polyester filter sleeve, was placed in waste characterization grid COMP F within the gas permeable aggregate layer for the SMD system.
- STNY placed vapor barrier (Stego® Wrap 20 Mil) in an about 60-foot-long by 50-foot-wide area in waste characterization grid COMP E on top of previously installed SMD system components. Vapor barrier seams were set with at least 6-inches of overlap and sealed with Stego® Tape. Vapor barrier installation documentation is to verify general conformance with specifications and contract documents. No rips, tears, or holes were observed during the installation.

Material Tracking:

- No soil/fill was exported from the site.
- The following materials were imported to the site:
    - 8 loads of 0.75-inch virgin stone from Tilcon New York – Mt. Hope Quarry located in Wharton Borough, NJ. The imported stone was used as backfill for the SMD aggregate layer or was stockpiled in waste characterization grid COMP J South.

Samples Collected:

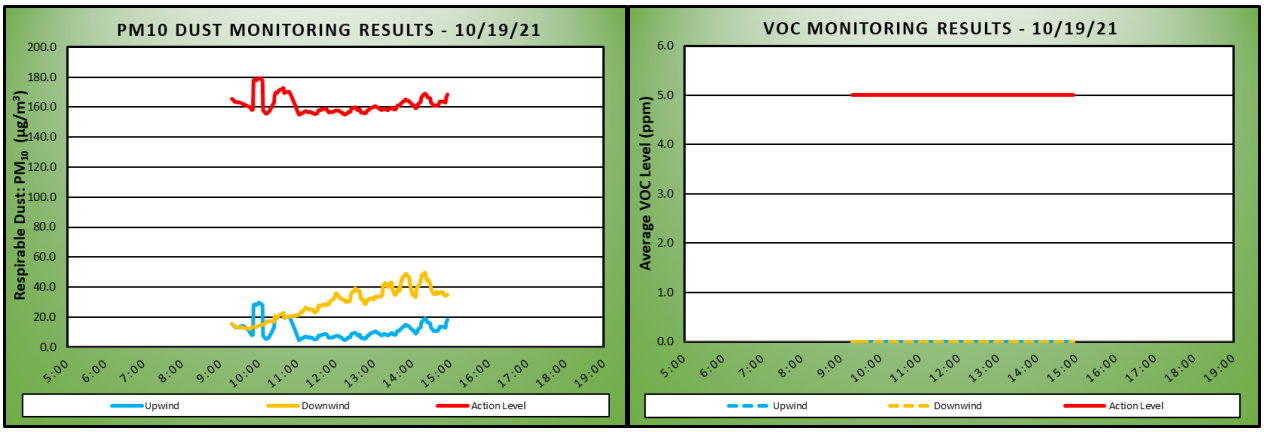
- No samples were collected from site.

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	28.7		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	11.9	28.9	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	29.5	49.6	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	1.0	28.9	Minimum 1-min Instant Reading	0.1	0.0
Maximum 1-min Instant Reading	303.5	115.0	Maximum 1-min Instant Reading	0.0	0.0

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

Particulate and organic vapor monitoring did not begin until 9:03 due to ongoing equipment maintenance. 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:

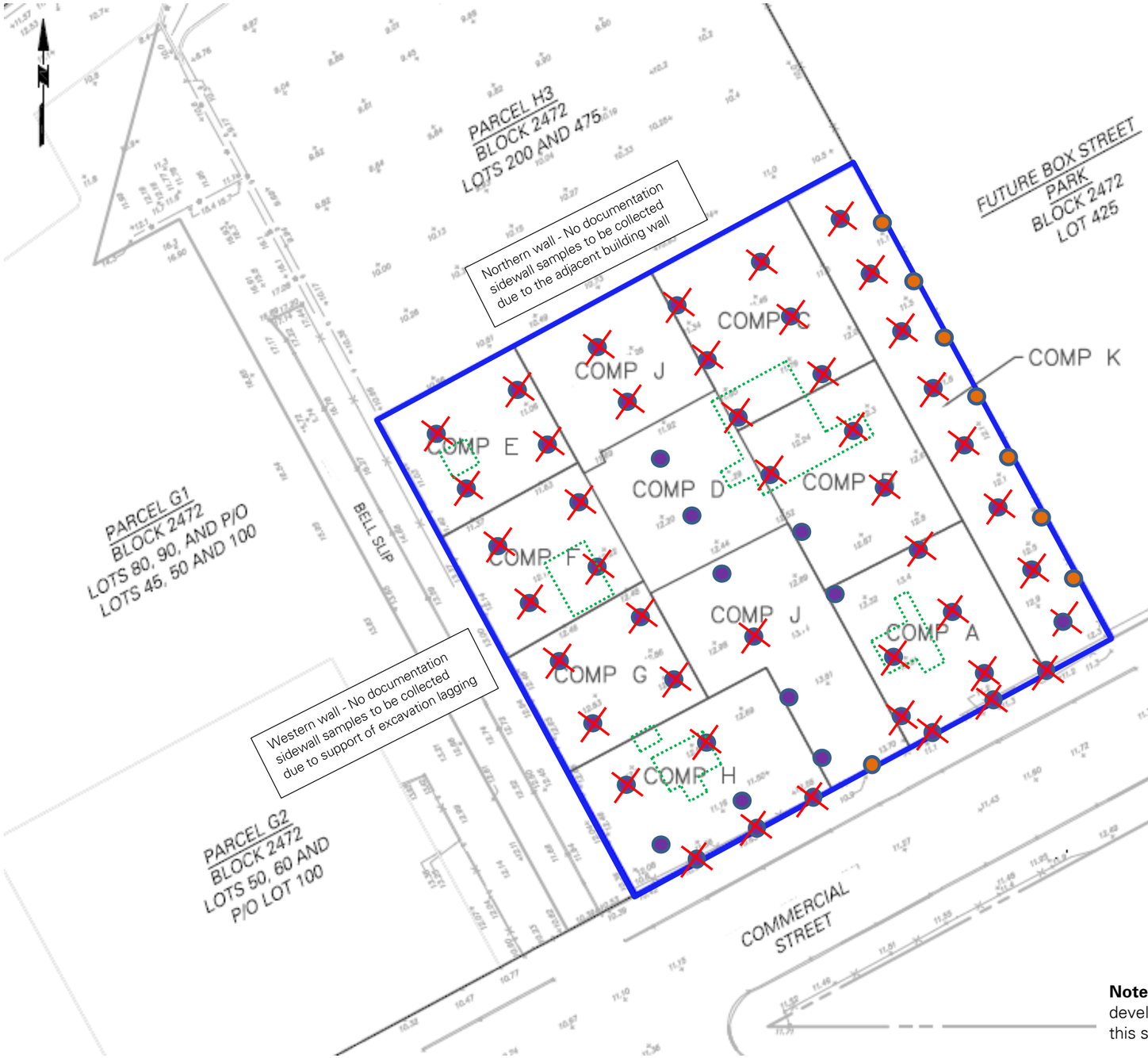
- STNY will continue mass excavating for the remedy, foundation elements, and utilities and will continue exporting soil for off-site disposal.
- STNY will continue installing SMD system components and the vapor barrier.

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 Area of Installed Demarcation Layer**
- **Approximate Location of Hotspot Endpoint Sample**

DOCUMENTATION SAMPLE PLAN



Site Boundary

Waste Characterization Grid
COMP I (5-10)

Proposed Base Documentation Sample Location

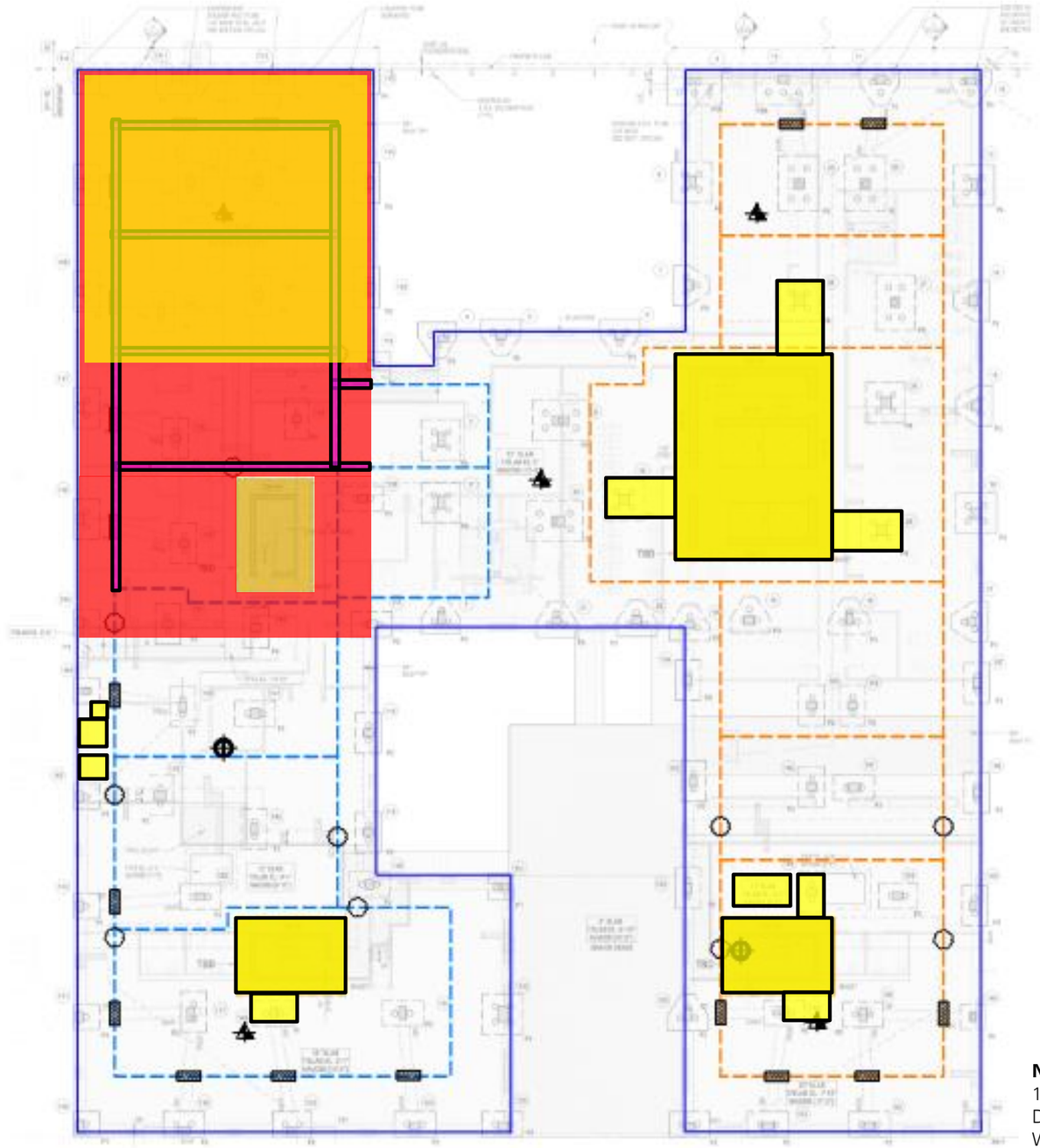
Proposed Base Documentation Sample Location

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.

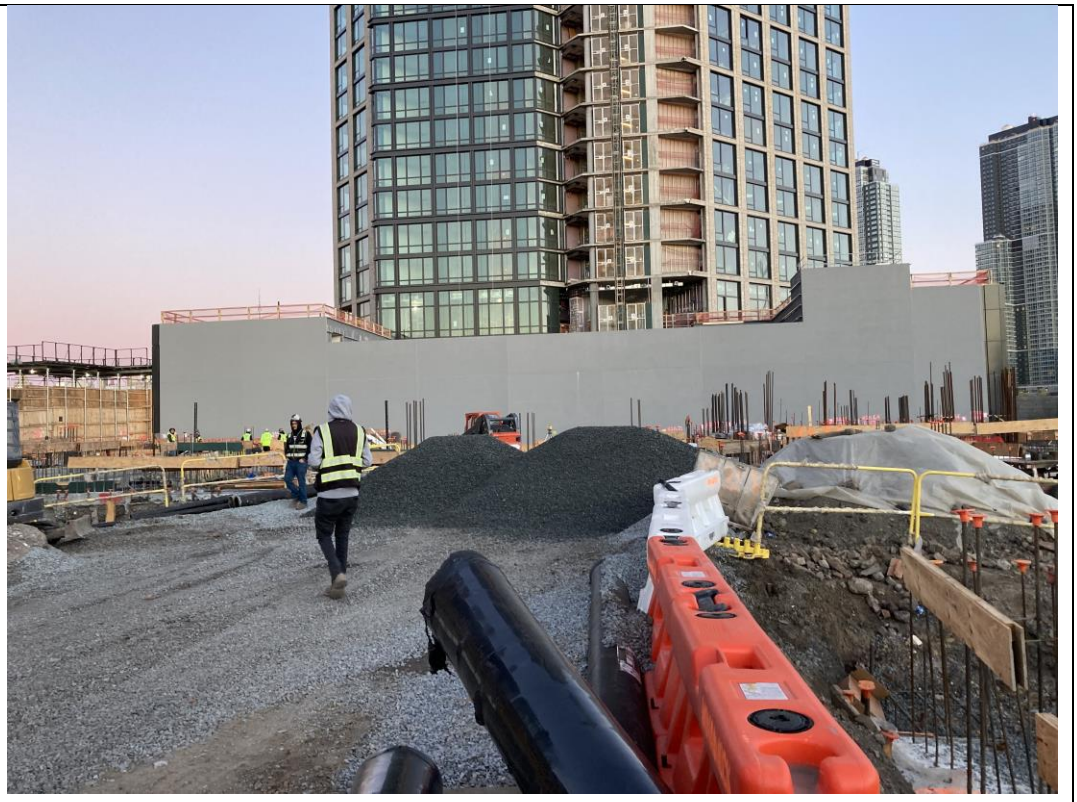
WATERPROOFING/VAPOR BARRIER AND SMD INSTALLATION MAP



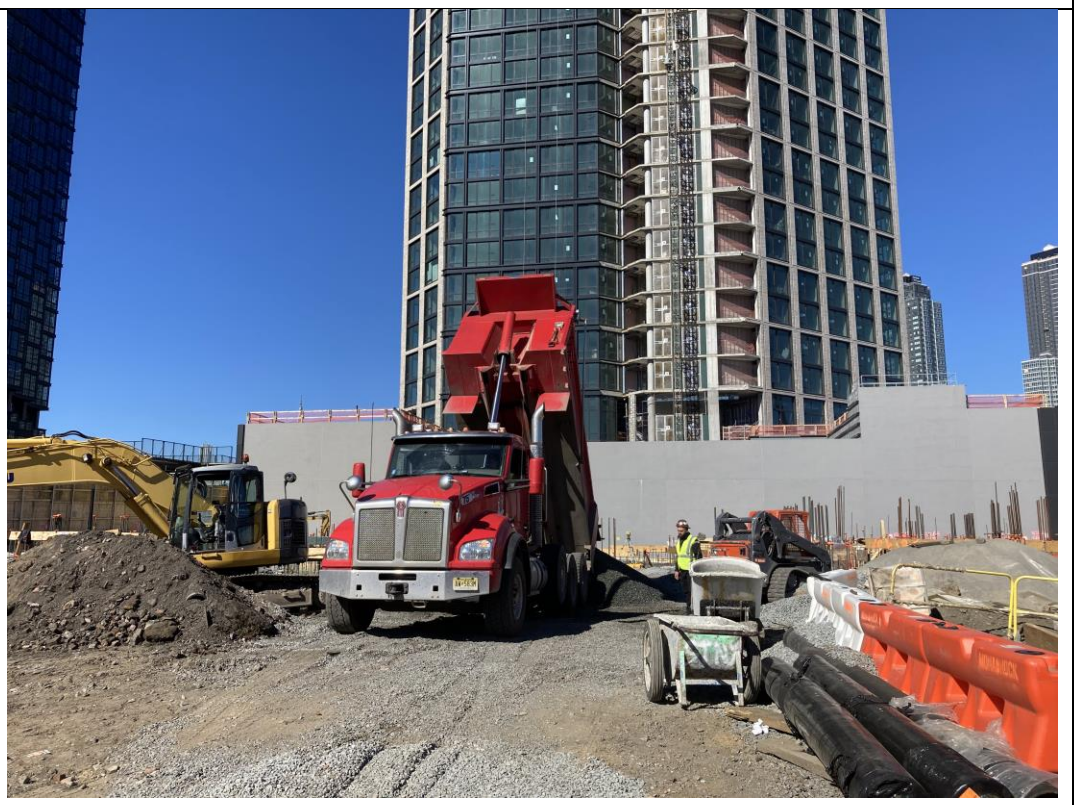
Note: Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

- **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 north).	
Photo 2: View of STNY installing SMD piping and aggregate layer in waste characterization COMP E (facing northeast).	

File Name: 2021-10-19 Daily Field Report_074

Photo 3: View of STNY installing the SMD aggregate layer in waste characterization grid COMP F (facing southeast).	
Photo 4: View of a truck importing 0.75 inch virgin stone from Tilcon – Mt. Hope Quarry (facing north).	

DAILY FIELD REPORT 075

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	October 20, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 5:30 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

Work Activities Performed:

- STNY excavated an about 40-foot-long by 6-foot-wide area to 4 feet bgs (below grade surface) (from original site grade) in waste characterization grid COMP B (0-5) for the installation of plumbing piping. Excavated material consisted of non-native soil that did not exhibit signs of chemical- or petroleum-like contamination and was stockpiled in waste characterization grid COMP B.
- STNY backfilled the following areas of the site with New York State Department of Environmental Conservation (NYSDEC)-approved 0.75-inch virgin stone from Tilcon - Mt. Hope Quarry:
    - An about 63-foot-long by 60-foot wide area in waste characterization grids COMP D, COMP F, and COMP G from a maximum depth of 5 feet bgs (from original site grade) to about original site grade to raise the site to final grade in preparation for pouring of the concrete slab.
    - An about 8-foot-long by 8-foot-wide area in waste characterization grid COMP J South from about 9 feet bgs (from original site grade) to 3 foot bgs to fill in a previous utility excavation.
- STNY installed sub-membrane depressurization (SMD) system components in accordance with the design documents.
    - About 100 feet of 4-inch diameter perforated polyvinyl chloride (PVC) piping, wrapped with a polyester filter sleeve, was placed in waste characterization grid COMP F within the gas permeable aggregate layer for the SMD system.
- STNY placed vapor barrier (Stego® Wrap 20 Mil) in an about 60-foot-long by 55-foot-wide area above the gas permeable aggregate layer in waste characterization grids COMP F and COMP G. Vapor barrier seams were set with at least 6-inches of overlap and sealed with Stego® Tape. Vapor barrier installation documentation is to verify general conformance with specifications and contract documents. No rips, tears, or holes were observed during the installation.

Material Tracking:

- No soil/fill was exported from the site.
- The following materials were imported to the site:
    - 8 loads of 0.75-inch virgin stone from Tilcon New York – Mt. Hope Quarry located in Wharton Borough, NJ. The imported stone was used as backfill or was stockpiled in waste characterization grid COMP J South.

Samples Collected:

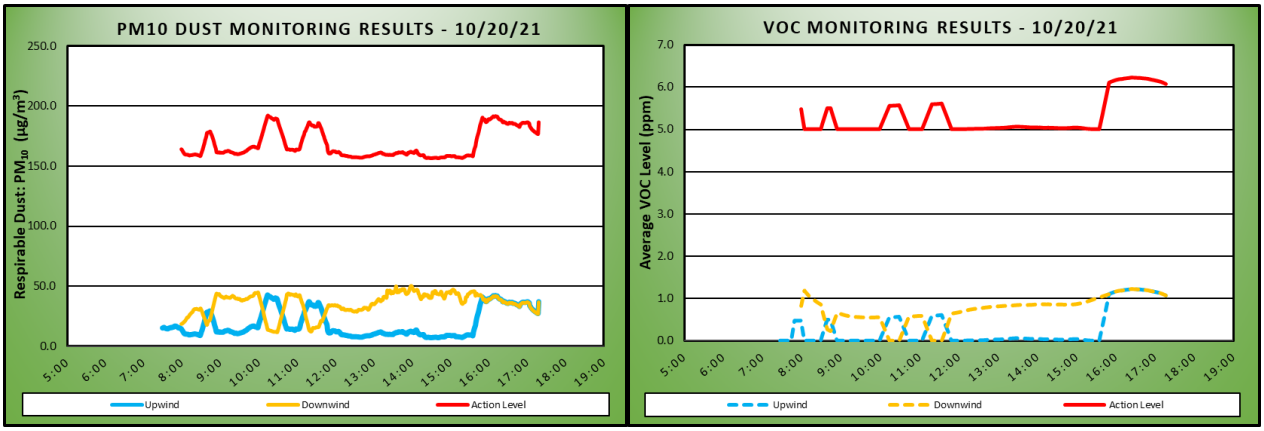
- Langan collected two documentation samples from 2 feet bgs in waste characterization grid COMP D. The documentation soil samples were submitted to Alpha Analytical Laboratories, Inc. for analysis of Part 375 volatile organic compounds (VOC), Part 375 semivolatile organic compounds (SVOC) including 1,4-dioxane, polychlorinated biphenyls (PCB), pesticides/herbicides, target analyte list (TAL) metals including hexavalent and trivalent chromium, and per- and polyfluoroalkyl substances (PFAS).
    - EP15_2
    - EP21_2

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	15.0		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	18.7	35.5	Daily Time Weighted Average	0.3	0.7
Maximum 15-min Average	42.4	50.4	Maximum 15-min Average	1.2	1.2
Minimum 1-min Instant Reading	5.3	8.2	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	174.0	174.0	Maximum 1-min Instant Reading	1.5	1.5

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:

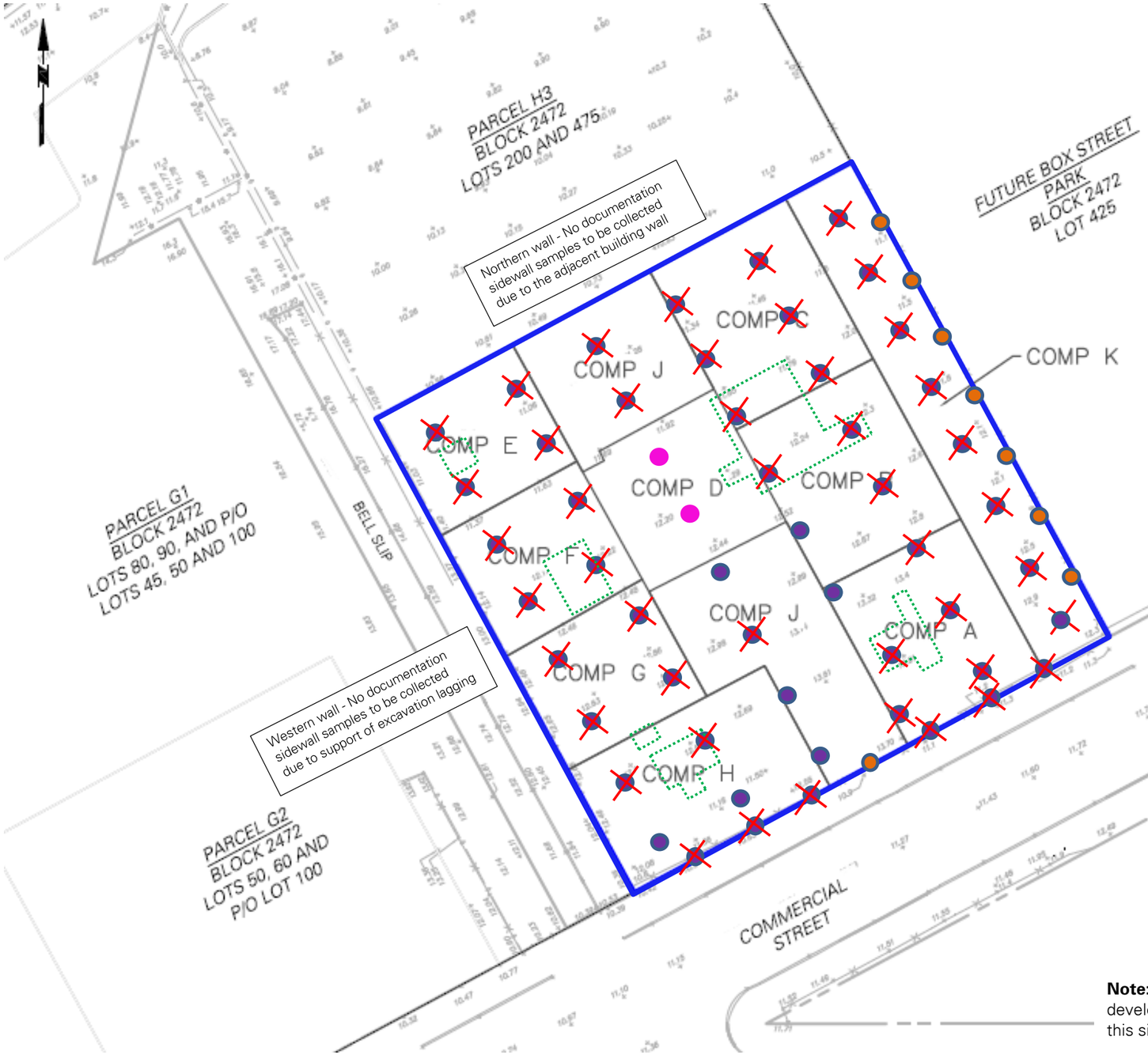
- STNY will continue mass excavating for the remedy, foundation elements, and utilities and will continue exporting soil for off-site disposal.
- STNY will continue installing SMD system components and the vapor barrier.

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 Area of Installed Demarcation Layer**
- **Approximate Location of Hotspot Endpoint Sample**

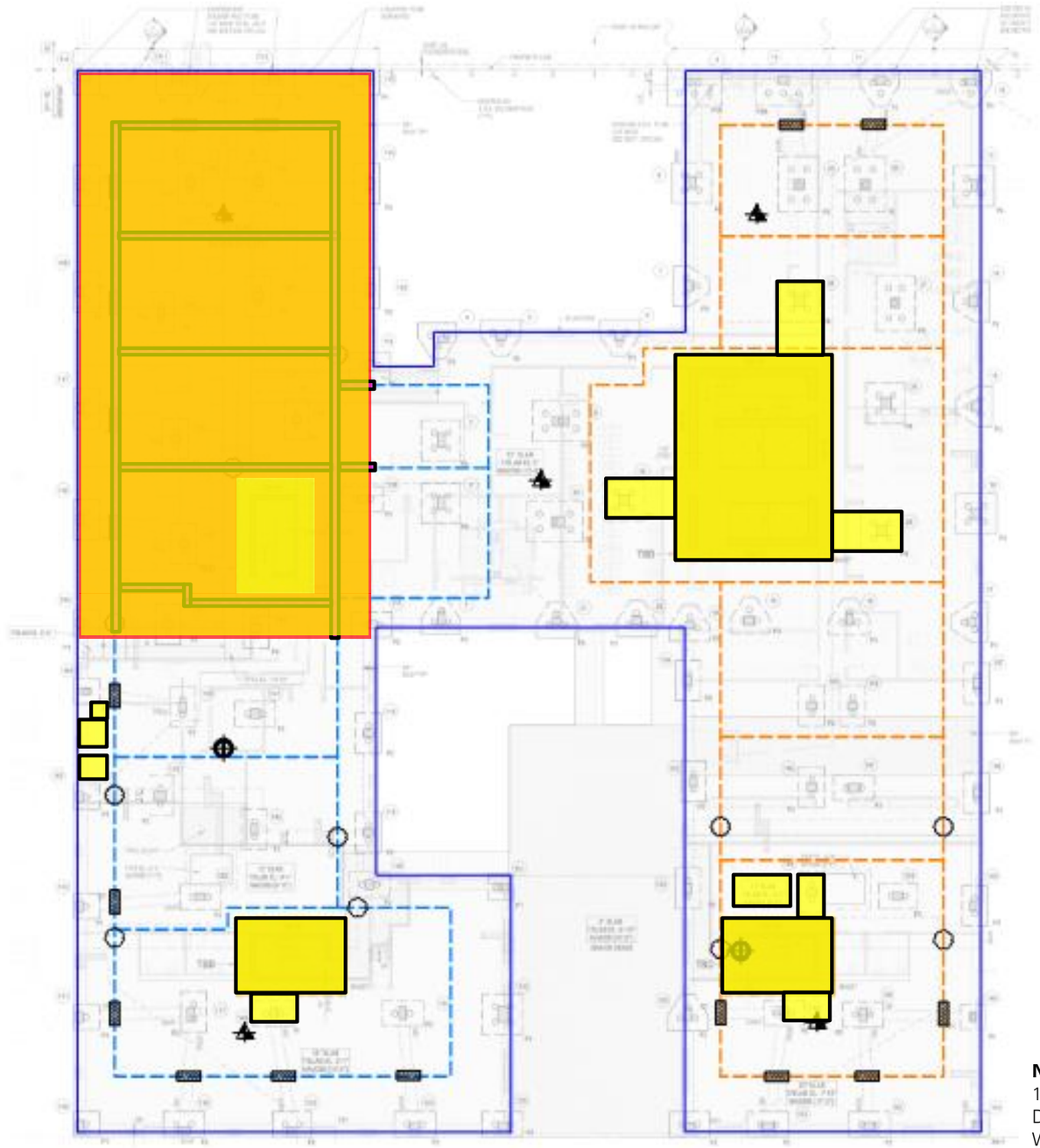
DOCUMENTATION SAMPLE PLAN



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

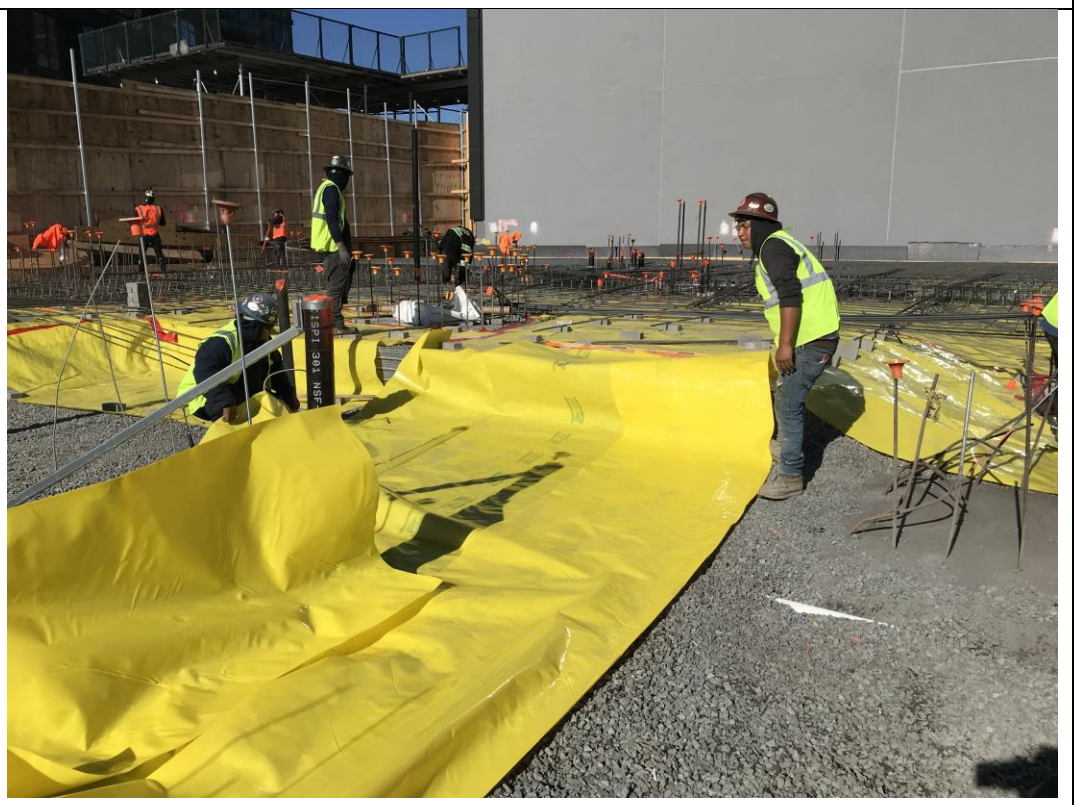


Note: Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

- **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 imported 0.75-inch stone stockpile in waste characterization grid COMP J South (facing north).	
Photo 2: View of STNY backfilling in COMP D and COMP F with imported 0.75-inch stone (facing north).	

Photo 3: View of STNY excavating in waste characterization grid COMP B (0-5) for utility piping installation (facing west).	
Photo 4: View of STNY installing vapor barrier in waste characterization grid COMP F (facing northwest).	

File Name: 2021-10-20 Daily Field Report_075

DAILY FIELD REPORT 076

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	October 21, 2021
Project Name:	45 Commercial Street	**Time:**	6:30 am to 5:30 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
Gabriella Degennaro

Work Activities Performed:

- STNY excavated an about 50-foot-long by 5-foot-wide L-shaped area to about 2 feet below grade surface (bgs) (from original site grade) in waste characterization grids COMP D and COMP B 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 were stockpiled in waste characterization grid COMP J South.
- STNY excavated the following areas of the site for the installation of plumbing utility piping. 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 J South.
    - An about 20-foot-long by 4-foot-wide area to about 4 feet bgs (from original site grade) in waste characterization grid COMP B.
    - An about 6-foot-long by 4-foot-wide area to about 1 foot bgs (from original site grade) in waste characterization grid COMP B.
- STNY relocated a soil stockpile[1] from waste characterization grid COMP J South to the boundary of waste characterization grids COMP G and COMP H.
- STNY relocated a soil stockpile[2] from waste characterization grid COMP J South to waste characterization grid COMP G.
- STNY loaded a truck with soil stockpiles[3] in waste characterization grid COMP B for off-site disposal to the Clean Earth of Bethlehem (CEPA) facility located in Bethlehem, Pennsylvania.
- STNY continued installing vapor barrier membrane (Stego® Wrap 20 Mil) in an about 60-foot-long by 55-foot-wide area above the gas permeable aggregate layer in waste characterization grids COMP F and COMP G. Vapor barrier seams were set with at least 6-inches of overlap and sealed with Stego® Tape. Vapor Barrier installation documentation is to verify general conformance with specifications and contract documents. No rips, tears, or holes were observed during the installation.

[1] COMP H (5-8), COMP J South (6-7), COMP J North (2-5), COMP K (6-7), COMP F (0-5), COMP D (0-5)
[2] LB22 Hotspot (0-9)
[3] COMP B (0-5)

Material Tracking:

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

Samples Collected:

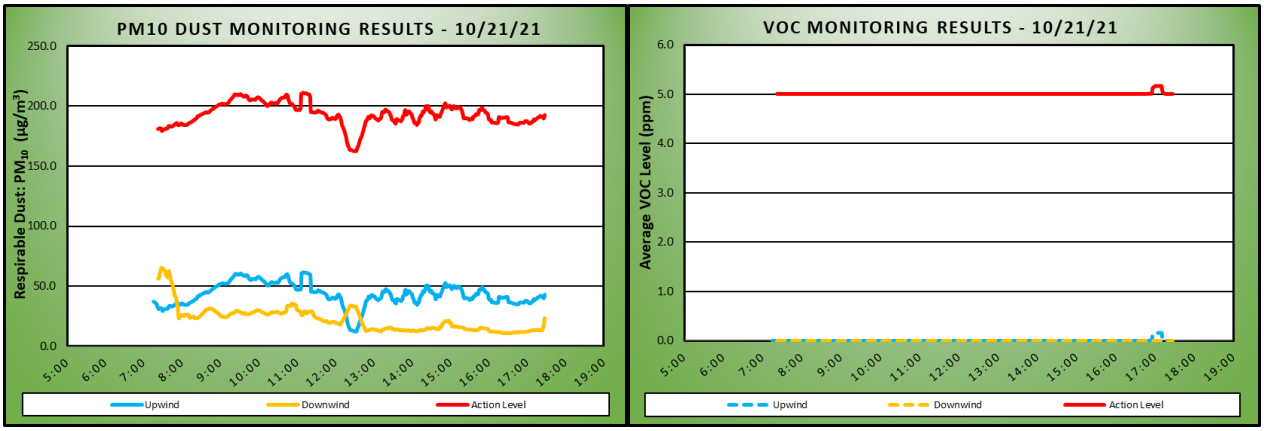
- No samples were collected.

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	37.2		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	43.0	22.5	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	61.5	65.4	Maximum 15-min Average	0.2	0.0
Minimum 1-min Instant Reading	11.3	9.8	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	233.3	125.0	Maximum 1-min Instant Reading	1.4	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 installing SMD system components and the vapor barrier.

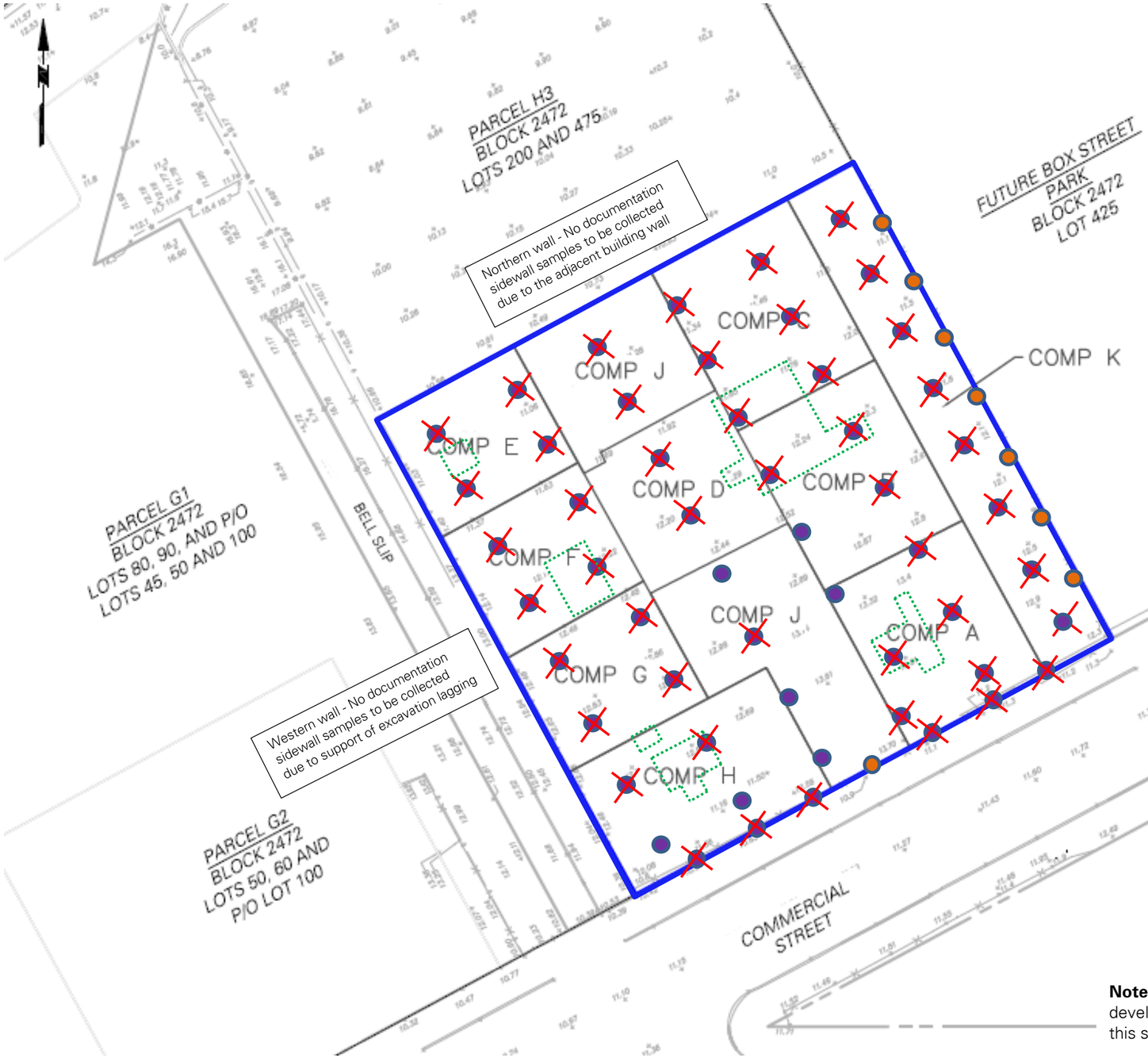
File Name: 2021-10-21 Daily Field Report_076

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 Area of Installed Demarcation Layer**
- **Approximate Location of Hotspot Endpoint Sample**

DOCUMENTATION SAMPLE PLAN



Site Boundary

Waste Characterization Grid
COMP I (5-10)

Proposed Base Documentation Sample Location

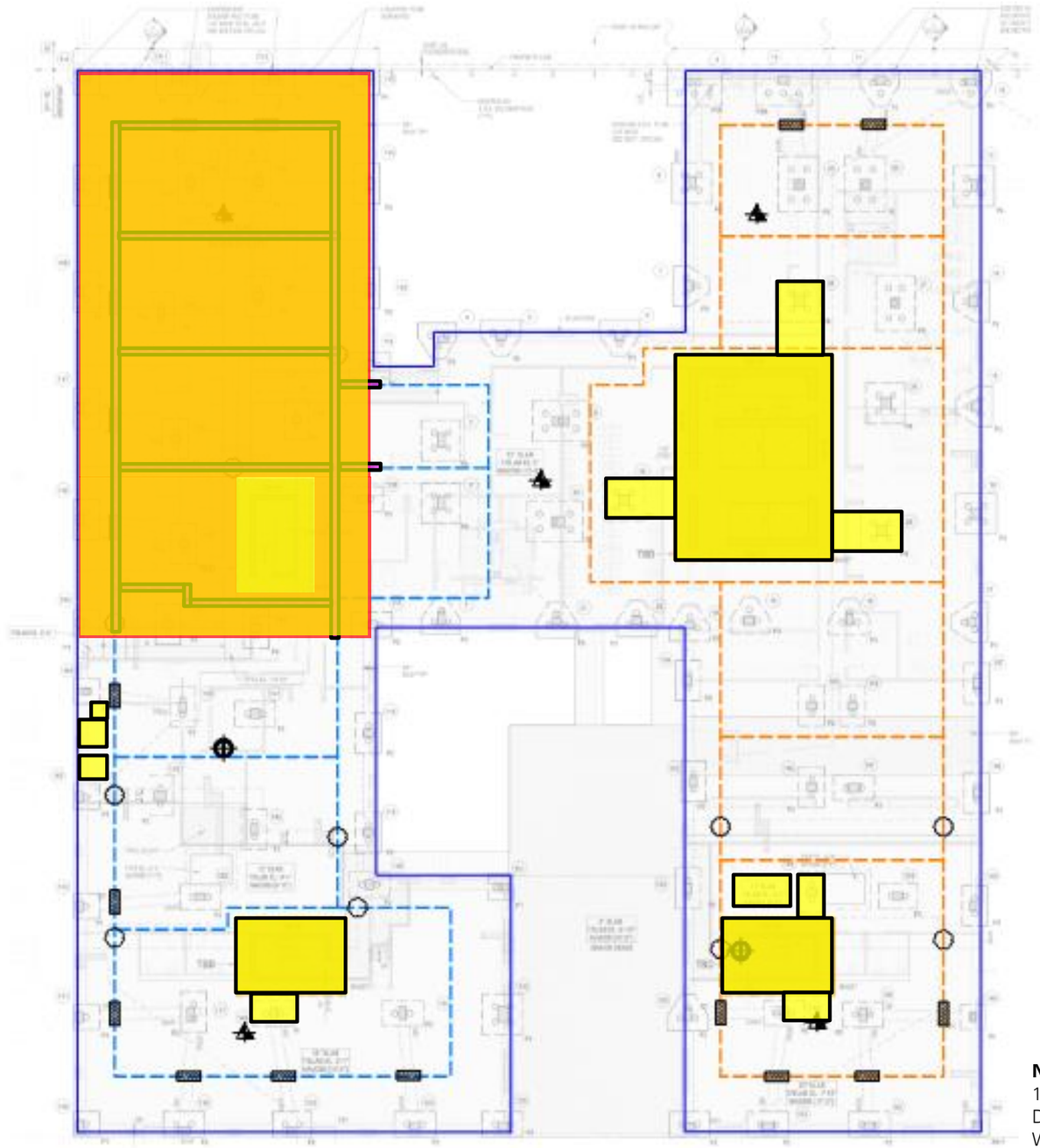
Proposed Base Documentation Sample Location

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

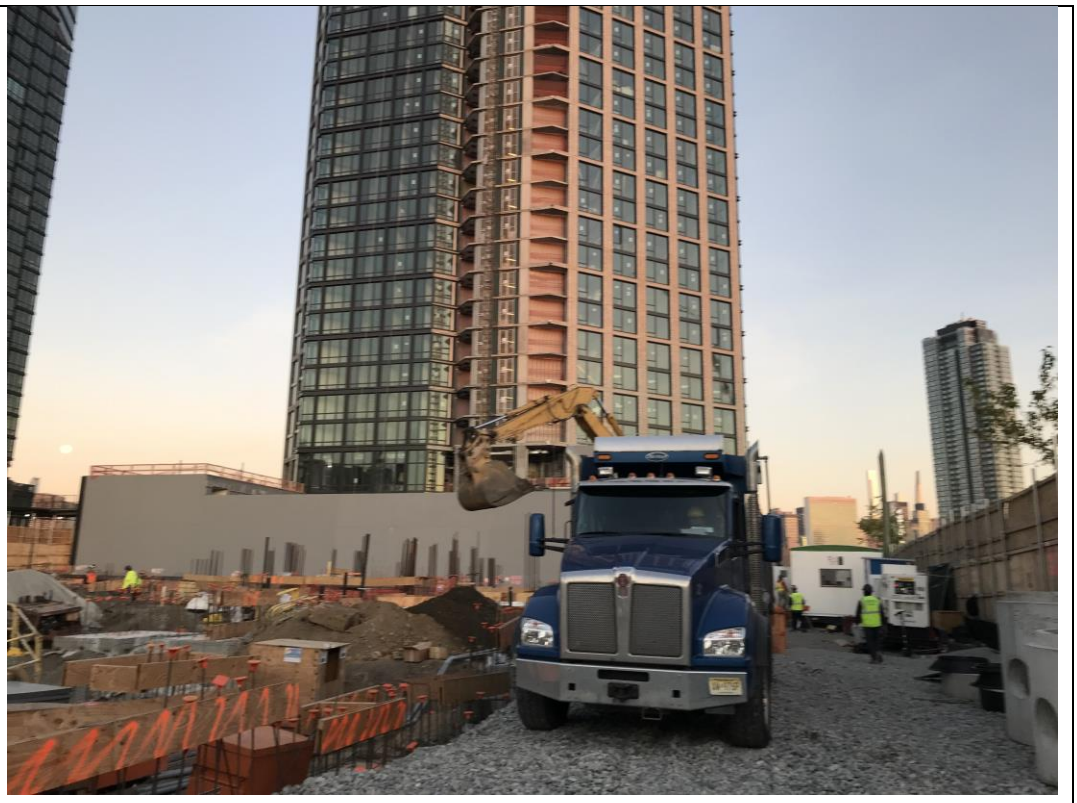
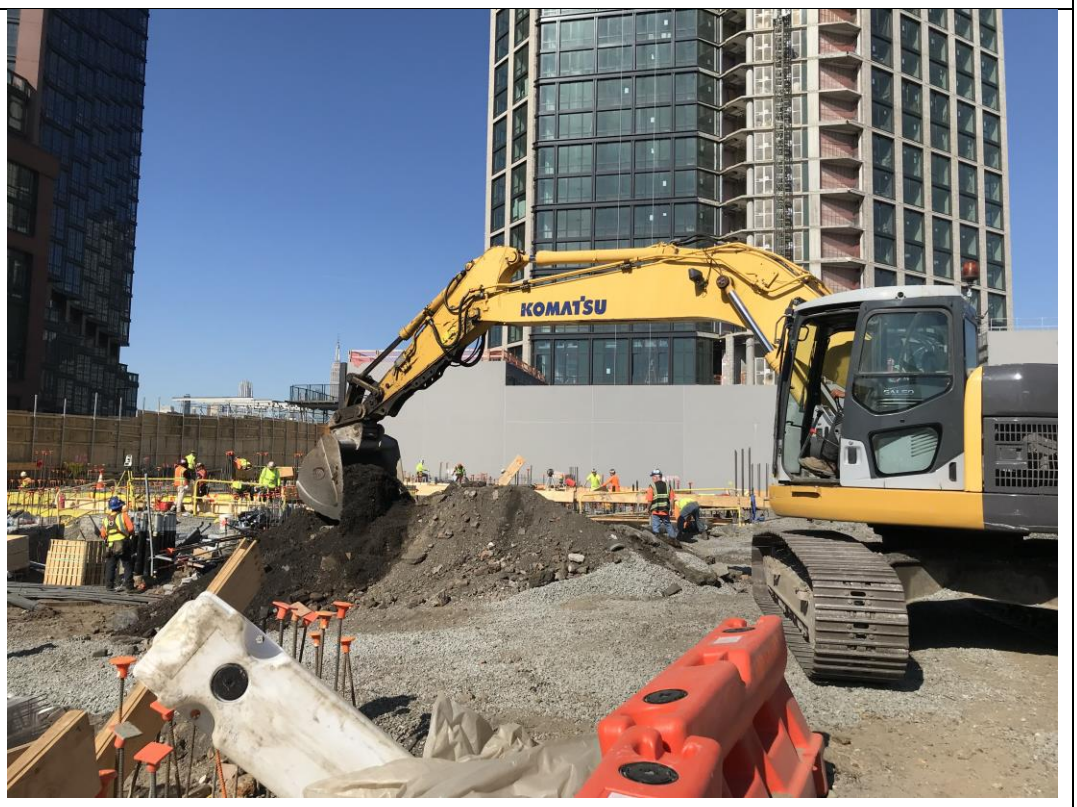
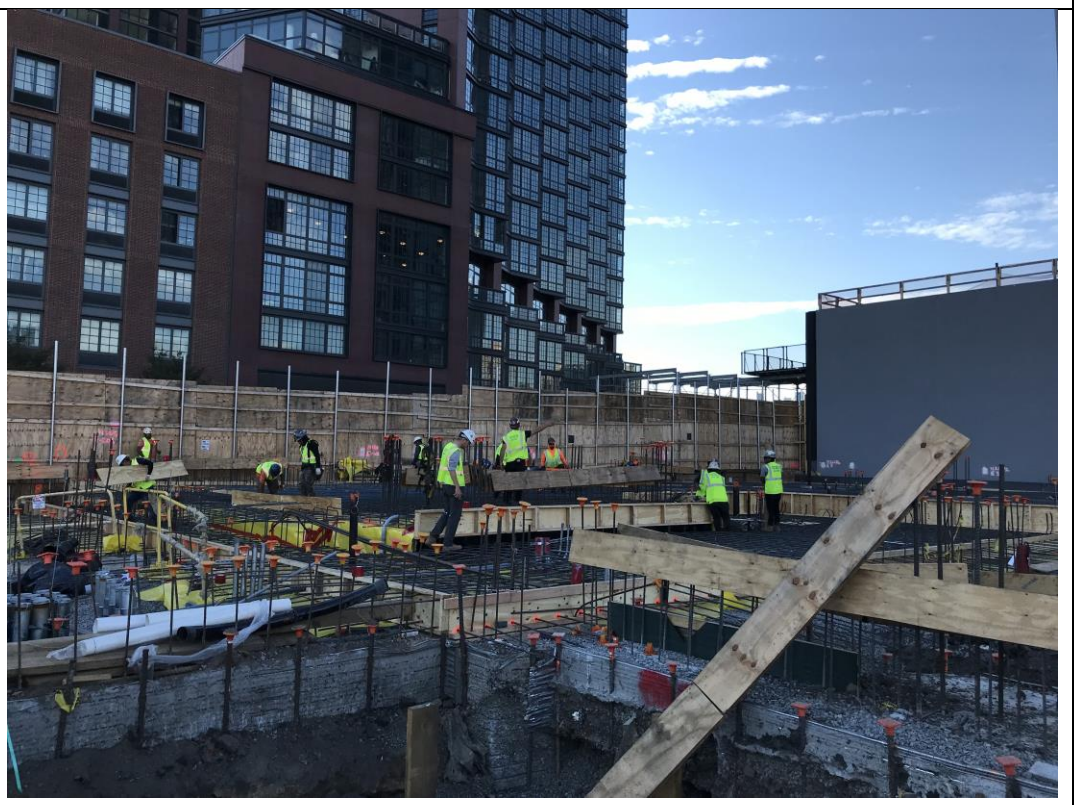
Photo 1: View of STNY loading a truck with soil for off-site disposal to the CEPA facility (facing north).	
Photo 2: View of STNY relocating a stockpile from waste characterization grid COMP J South to waste characterization grid COMP G (facing north).	

Photo 3: View of STNY excavating in waste characterization grid COMP B for plumbing utility piping (facing west).	
Photo 4: View of vapor barrier installation in waste characterization grids COMP E and COMP F (facing northwest).	

File Name: 2021-10-21 Daily Field Report_076

DAILY FIELD REPORT 077

Prepared By: LANGAN

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

BCP Project No:	C224304	**Date:**	October 22, 2021
Project Name:	45 Commercial Street	**Time:**	6:45 am to 3:30 pm

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

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

Langan Field Personnel:
Caroline Devin
Gabriella Degennaro
Yaskira Mota

Work Activities Performed:

- STNY excavated an about 10-foot-long by 3-foot-wide area to a depth of 1 foot below grade surface (bgs) to uncover existing plumbing piping in waste characterization grid COMP-B. Excavated material consisted of non-native soil, did not exhibit signs of chemical- or petroleum-like contamination and was added to an existing stockpile[1] in waste characterization grid COMP J South.
- STNY installed sub-membrane depressurization (SMD) system components in accordance with the design documents.
    - Non-woven, geotextile fabric (Mirafi 140N) was placed over an about 60-foot-long by 37-foot-wide area in waste characterization grid COMP C to isolate the SMD system from subgrade fines.
    - A minimum 8-inch-thick layer of 0.75-inch virgin stone was placed in an about 60-foot-long by 37-foot-wide area in waste characterization grid COMP C above the geotextile fabric for the gas permeable aggregate layer.
    - About 85 feet of 4-inch-diameter slotted polyvinyl chloride (PVC) piping, wrapped with a polyester filter sleeve, was placed in waste characterization grid COMP C within the gas permeable aggregate layer for the SMD system.
- STNY poured concrete for the building foundation slab in an about 105-foot-long by 60-foot-wide area in waste characterization grids COMP E and COMP F.

Material Tracking:

- No soil/fill was exported from the site.
- The following materials were imported to the site:
    - 4 loads of 0.75-inch virgin stone from Tillcon – Mt. Hope Quarry, located in Wharton Borough, NJ. Imported stone was stockpiled in waste characterization grid COMP K.

Samples Collected:

- No samples were collected.

[1] COMP B (0-5), COMP D (0-5)

Air Monitoring

- Organic vapor and particulate data was not collected due to equipment failure. The equipment manufacturer was contacted and repairs/replacement was scheduled for the following day. On-site sources of VOCs were not observed and dust wast 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 installing SMD system components and the vapor barrier.

SITE PLAN

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

A

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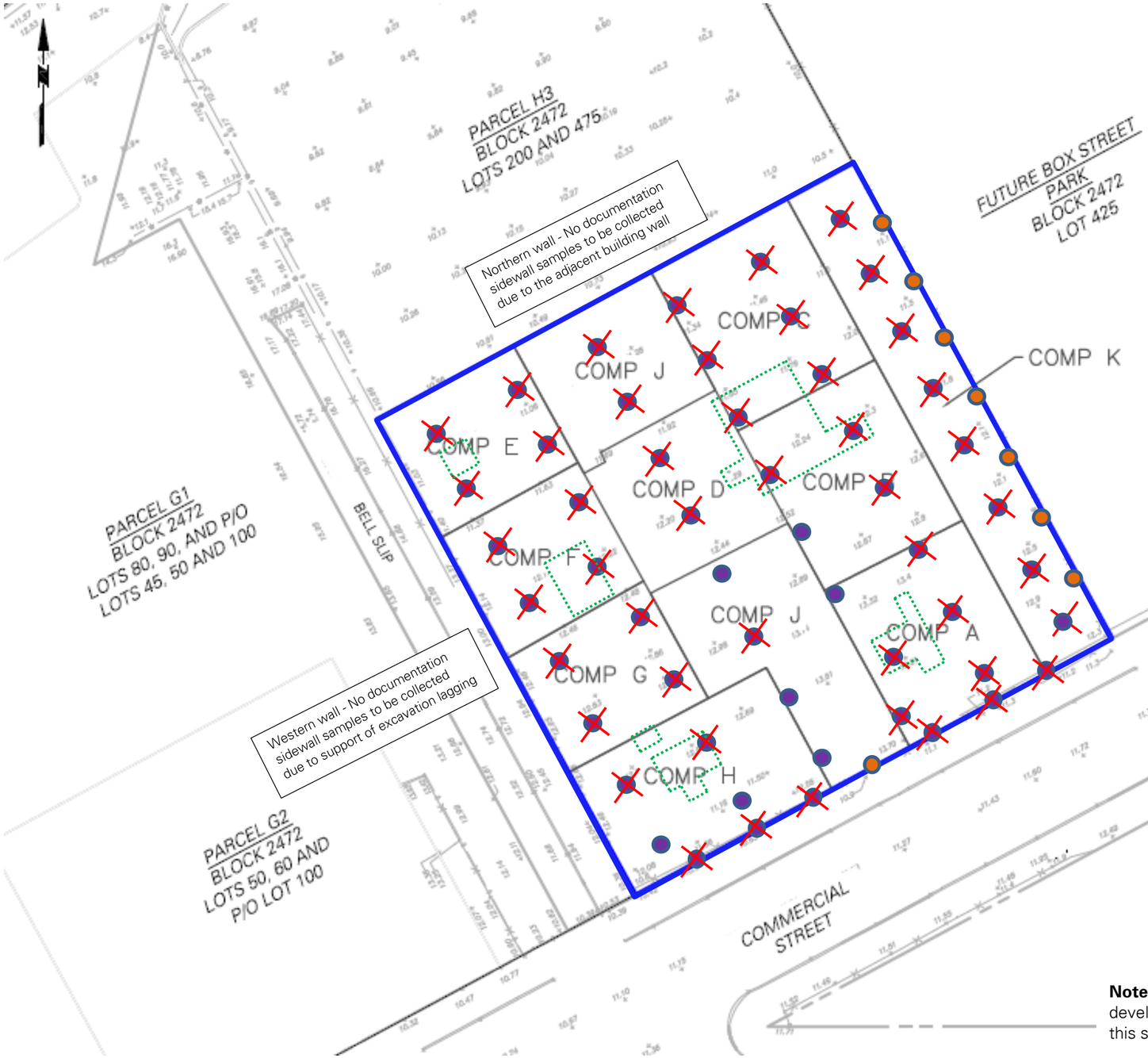
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Concrete Pouring**
- **Approximate Area of Installed Demarcation Layer**
- **Approximate Location of Hotspot Endpoint Sample**

DOCUMENTATION SAMPLE PLAN



Site Boundary

Waste Characterization Grid
COMP I (5-10)

Proposed Base Documentation Sample Location

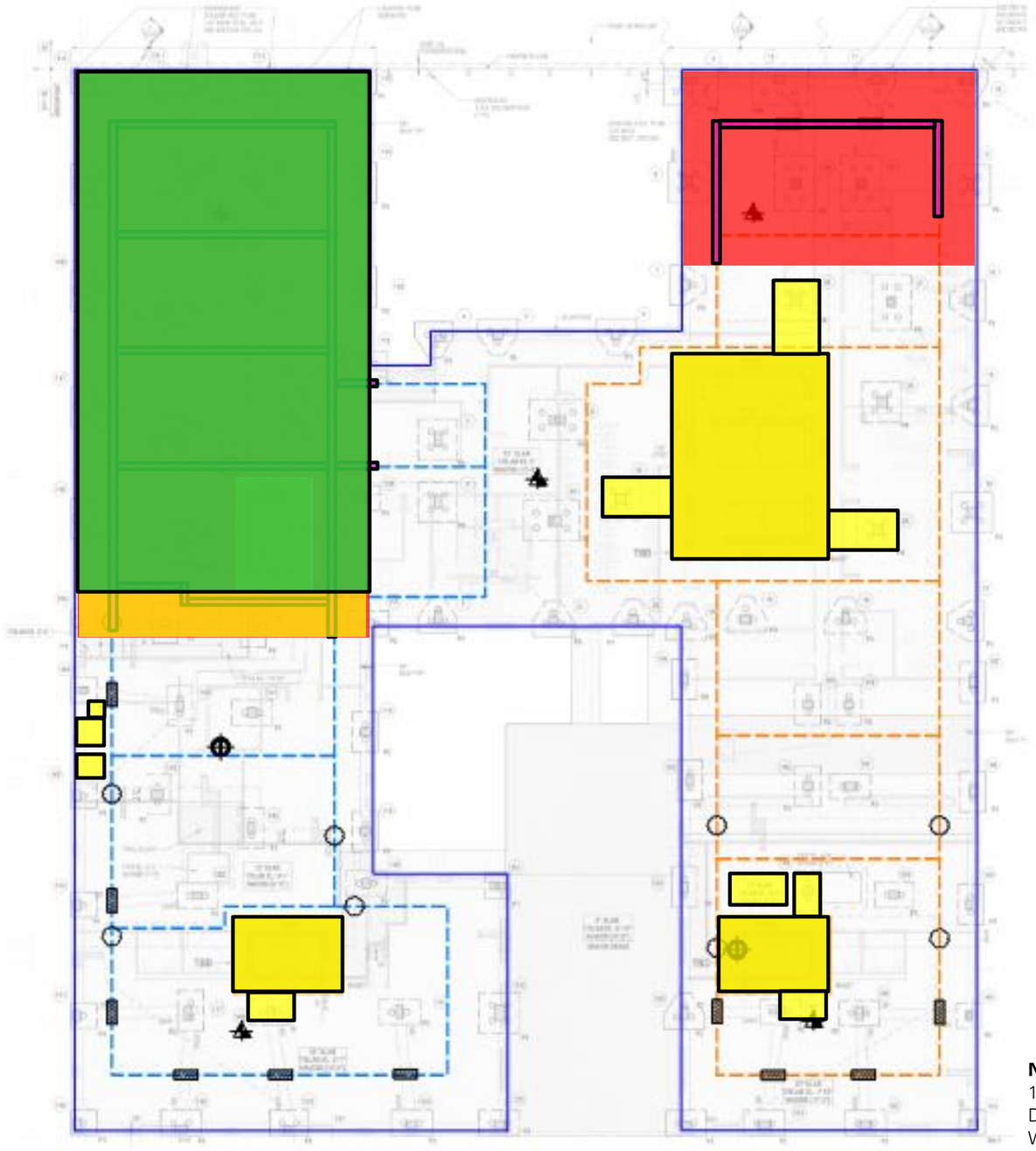
Proposed Base Documentation Sample Location

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.

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- **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 pouring concrete for the foundation slab in waste characterization grid COMP E (facing northeast).	
Photo 2: View of STNY installing geotextile fabric and perforated PVC pipe in waste characterization grid COMP C for the SMD system (facing east).	

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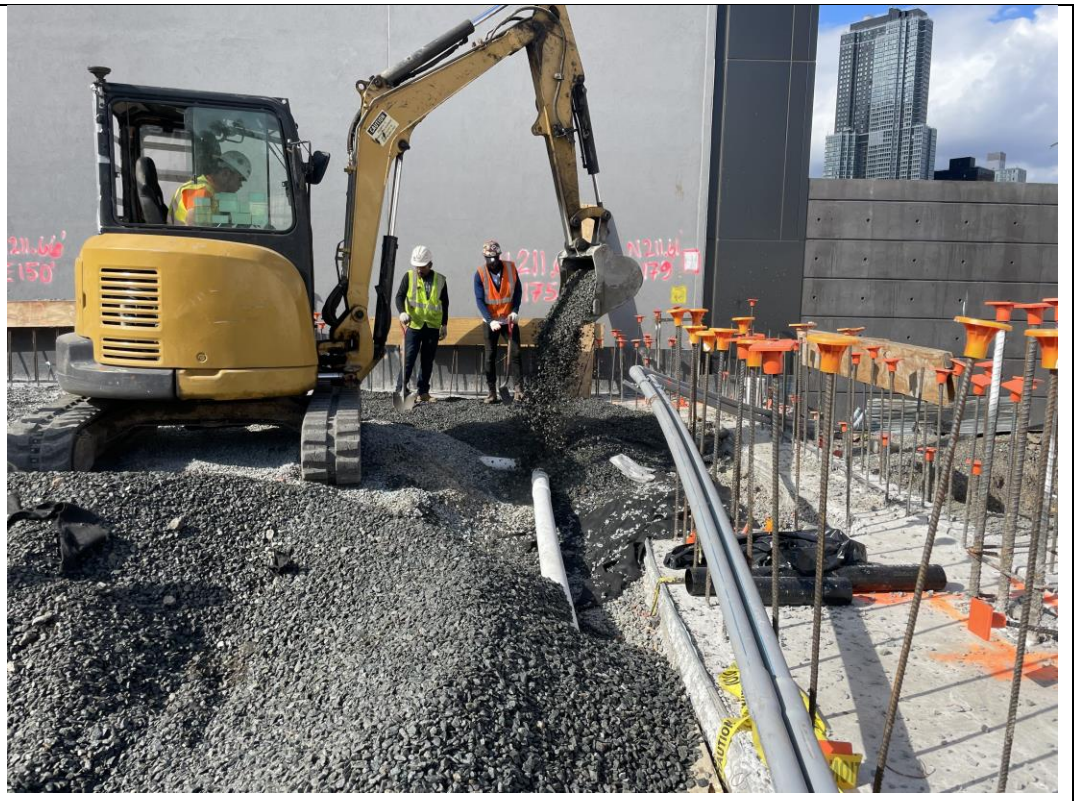
Photo 3: View of STNY backfilling with 0.75-inch stone for the SMD system aggregate layer in waste characterization grid COMP C (facing north).	
Photo 4: View of excavated area in waste characterization grid COMP B for plumbing installation (facing east).