DAILY FIELD REPORT 001

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:**	June 29, 2021
Project Name:	45 Commercial Street	**Time:**	6:45 am to 2:30 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 LLC (CE)

Langan Field Personnel:
Andrew Nesci

Work Activities Performed:

- STNY used an excavator to remove concrete and asphalt surface cover in preparation for test pit excavations. Test pits were excavated to delineate hazardous lead hotspots. The concrete and asphalt surface cover was observed to be about 2 to 4 inches thick and did not exhibit signs of chemical- or petroleum-like contamination. The concrete and asphalt was stockpiled adjacent to the excavation in preparation for off-site disposal.
- STNY excavated a total of 22 test pits to delineate hazardous lead hotspots (LB17, LB18, and LB22). The test pits were approximately 8 feet long by 5 feet wide. Excavated material consisted of historic fill, did not exhibit any signs of chemical- or petroleum-like contamination, and was temporarily stockpiled adjacent to the excavation. Each test pit was backfilled with the same material that was previously excavated from that location.
    - At LB17, four 10-foot step out test pits and four 20-foot step out test pits were excavated to a depth of 5 feet below grade surface (bgs) to the north, east, south, and west from the original boring location.
    - At LB18, three 10-foot step out test pits and three 20-foot step out test pits were excavated to a depth of 3 feet from the north, east, and west of the original boring location. Step out test pits were not completed to the south of LB18 because of the proximity to the southern property boundary.
    - At LB22, four 10-foot step out test pits and four 20-foot step out test pits were excavated to a depth of 5 feet bgs to the south and west and to a depth of 10 feet bgs to the north and east from the original boring location. The deeper test pits, excavated to 10 feet bgs, were advanced for vertical delineation of hazardous lead.

Material Tracking:

- No material was imported to the site.
- No material was exported from the site.

Samples Collected:

- CE collected a total of 26 five-point composite samples to delineate hazardous lead hotspots, LB17, LB18, and LB22.
    - The soil samples were submitted to Eurofins Lancaster Laboratories, Inc. for laboratory analysis of total lead and Toxicity Characteristic Leaching Procedure (TCLP) lead.

Air Monitoring:

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	14.7		Daily Background	0.1	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	18.1	33.4	Daily Time Weighted Average	0.1	0.1
Maximum 15-min Average	23.9	84.7	Maximum 15-min Average	0.3	0.2
Minimum 1-min Instant Reading	12.0	4.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	59.5	313.6	Maximum 1-min Instant Reading	0.3	0.2

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

No particulate or organic vapor exceedances at the downwind Community Air Monitoring Program (CAMP) station were encountered.

Planned Activities:

- STNY will continue excavating test pits to facilitate collection of waste characterization samples.
- CE will begin collecting waste characterization samples.

SITE PLAN

LEGEND

- **Site Boundary**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Asphalt and Concrete)**
- **Approximate Location of Excavation**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Soil Sample Collection**
- **Approximate Location of Previous Soil Boring**

Photo Log

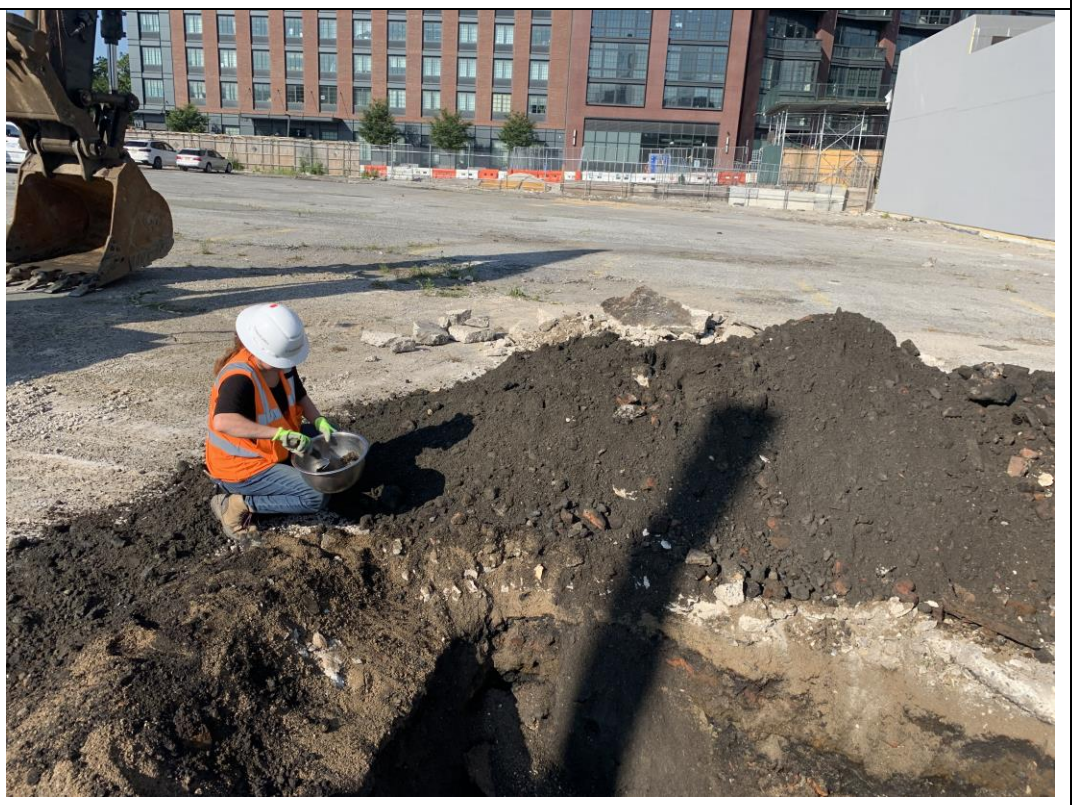
Photo 1: View of STNY excavating a test pit at the LB17 hotspot, located in the northeastern part of the site (facing south).	
Photo 2: View of CE collecting a soil sample at the LB17 hotspot, located in the northeastern part of the site (facing southwest).	

Photo 3: View of historic fill materials at a LB18 hotspot test pit, located at the southern part of the site, prior to being returned to the excavation (facing northeast).	
Photo 4: View of STNY backfilling the test pit excavation at the LB22 hotspot, located in the central part of the site (facing northeast).