

## SITE OBSERVATION REPORT

<b>PROJECT No.:</b> 170552901	<b>CLIENT:</b> SPG Boerum LLC	<b>DATE:</b> Wednesday, November 16, 2022
<b>PROJECT:</b> 159 Boerum Street		<b>WEATHER:</b> Overcast, 39-50 °F Wind: WNW @ 3.9-6.6 mph
<b>LOCATION:</b> Brooklyn, NY		<b>TIME:</b> 7:00 am to 4:00 pm
<b>CONTRACTOR:</b> SD Builders		<b>LANGAN REP. :</b> Lauren Roper

<b>CONTRACTOR'S EQUIPMENT:</b> Hitachi ZX 160LC Excavator Deere 300G Excavator Casagrande C9 Drill Rig Kubota SVL65-2 Skid Steer	<b>PRESENT AT SITE:</b> Lauren Roper – Langan James Hsu – SD Builders - General Contractor Lucas Alvarez - Rise Concrete (Rise) – Foundation Contractor Able Siquij – Anel Queens Construction Inc. (Anel) – Drilling Contractor
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**OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:**

Langan was present to observe environmental protocols in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Action Work Plan (RAWP) for Brownfield Cleanup Program (BCP) site C224291 at 159 Boerum Street (Block 3071, Lot 40). Observed activities were as follows:

**Site Activities**

- Rise excavated an about 20-foot long by 10-foot wide area to about 4 feet below grade surface (bgs) in the northeastern part of the site. Excavated material consisted of hazardous lead contaminated fill and was screened for odors, staining, and organic vapors using a photoionization detector (PID); evidence of impacts were not observed. The excavated fill was containerized in a polyethylene-lined roll-off container and securely covered at the conclusion of excavation. The roll-off container was stored in the northeastern part of the site for future off-site disposal.
- Rise used an excavator to grade an about 22-foot long by 14-foot wide area in the northeastern part of the site. Graded material consisted of non-hazardous historical fill and was screened for odors, staining and organic vapors using a PID; evidence of impacts were not observed.
- Anel used a Casagrande drill rig to install soldier piles along the western site boundary to a maximum depth of 30 feet below grade surface (bgs).

**Material Tracking**

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

Materials Import Summary			
Facility	Imported	Today	Total
Allocco Recycling, Inc. Brooklyn, NY ¾-inch RCA	No. Loads	0	45
	Quantity (CY)	0	900
	NYSDEC Approved Quantity (CY)		1,000

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### Sampling

- No samples were collected.

### CAMP Activities:

Langan performed on-site air monitoring during ground-intrusive activities for particulate matter smaller than 10 microns in diameter (PM10) or volatile organic compounds (VOCs). Fifteen-minute average concentrations of PM10 and VOCs did not exceed action levels established by the community air monitoring plan (CAMP). No fugitive dust or odors were observed leaving the site.

- Due to inclement weather, community air monitoring was placed in service at 9:55. Fugitive dust and odors associated with ground-intrusive activity were not observed.
- Concentrations of VOCs were not recorded at the downwind monitoring station from 9:58 to 10:05 due to an equipment error. The equipment was recalibrated and the issue was resolved.

Particulate Monitoring (mg/m <sup>3</sup> )			Organic Vapor Monitoring (ppm)		
Daily background	0.003		Daily Background	0.1	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	0.003	0.012	Daily Time Weighted Average	0.1	0.0
Maximum 15-min Average	0.010	0.017	Maximum 15-min Average	0.2	0.0
Minimum 1-min Instant Reading	-0.001	0.005	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	0.099	0.050	Maximum 1-min Instant Reading	0.2	0.0

mg/m<sup>3</sup> = milligrams per cubic meter

ppm = parts per million

NA = Not Available

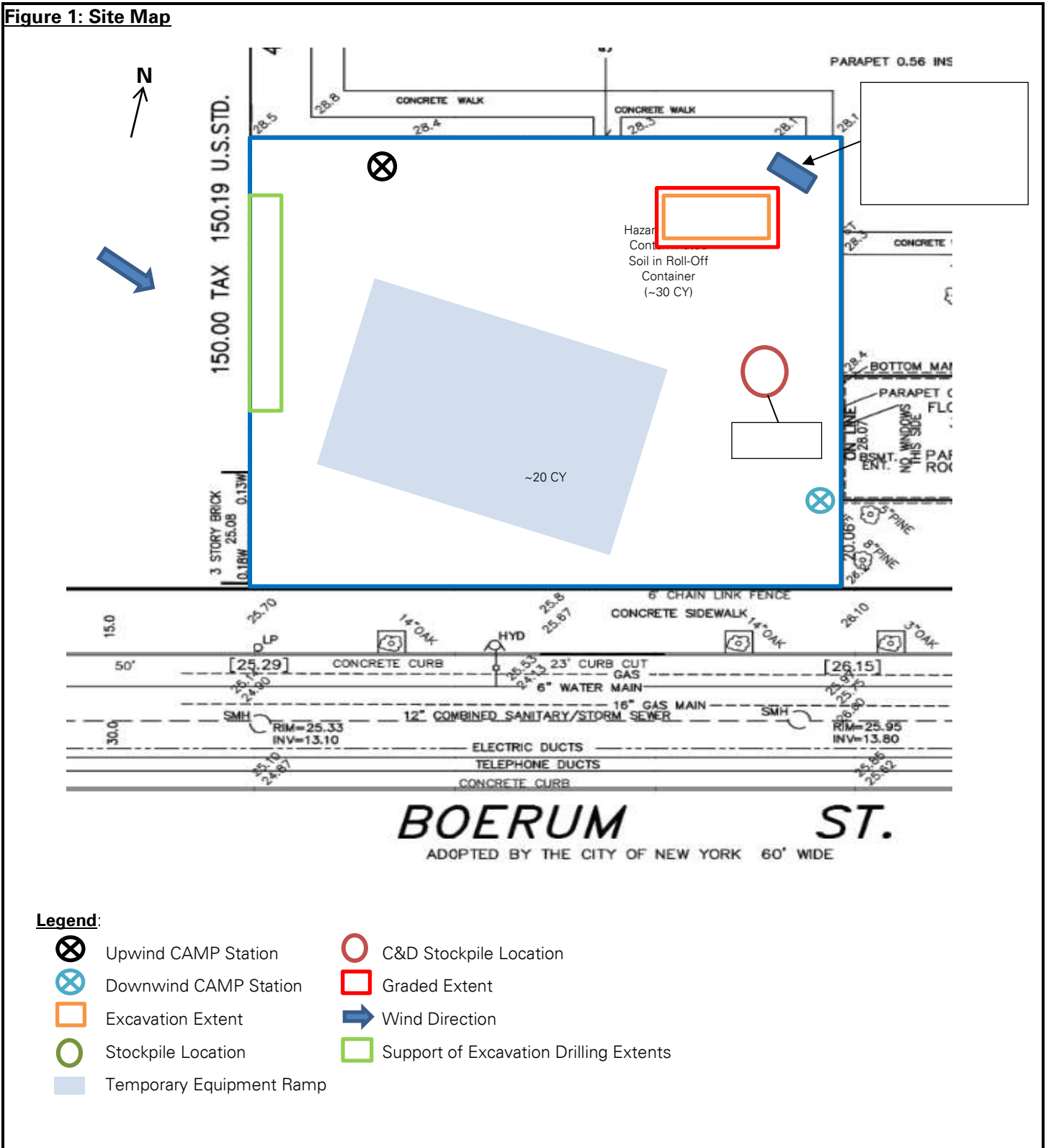
### Anticipated Activities

- Anel will continue to install soldier piles along the western site boundary.
- Rise will install support of excavation (SOE) elements in the northeastern part of the site.

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Figure 1: Site Map



**Legend:**

- ⊗ Upwind CAMP Station
- ⊗ Downwind CAMP Station
- ⊗ Stockpile Location
- ⊗ C&D Stockpile Location
- ⊗ Graded Extent
- ⊗ Excavation Extent
- ⊗ Support of Excavation Drilling Extents
- ⊗ Wind Direction
- ⊗ Temporary Equipment Ramp

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### SITE PHOTOGRAPHS



**Photo 1:** View of Rise excavating hazardous lead contaminated fill in the northeastern part of the site (facing north).



**Photo 2:** View of Rise containerizing hazardous lead contaminated fill in a polyethylene lined roll-off container in the northeastern part of the site (facing northeast).

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