

SITE OBSERVATION REPORT

PROJECT No.: 170552901	CLIENT: SPG Boerum LLC	DATE: Thursday, December 29, 2022
PROJECT: 159 Boerum Street		WEATHER: Clear, 37-50 °F Wind: SW @ 1.2-4.4 mph
LOCATION: Brooklyn, NY		TIME: 6:45 am to 4:00 pm
CONTRACTOR: SD Builders		LANGAN REP. : Lauren Roper

CONTRACTOR'S EQUIPMENT: Hitachi ZX 160LC Excavator Deere 300G Excavator Kubota SVL65-2 Skid Steer Deere 135G Excavator	PRESENT AT SITE: Lauren Roper – Langan James Hsu – SD Builders - General Contractor Lucas Alvarez - Rise Concrete (Rise) – Foundation 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 two about 5-foot-long by 5-foot-wide areas to about 16 feet below grade surface (bgs) in the western part of the site for support of excavation (SOE) underpinning installation. Excavated material consisted of native soil and was screened for odors, staining, and organic vapors using a photoionization detector (PID); evidence of impacts was not observed. Excavated native soil was added to the equipment ramp in the southern part of the site for future off-site disposal.
- Rise excavated the following areas to about 15 feet bgs for SOE underpinning installation:
 - an about 15-foot-long by 10-foot-wide area in the northwestern part of the site
 - an about 15-foot-long by 5-foot-wide area in the southwestern part of the site

Excavated material consisted of native soil and was screened for odors, staining, and organic vapors using a PID; evidence of impacts was not observed. Excavated native soil was added to the equipment ramp in the southern part of the site for future off-site disposal or backfilled to its original location to be removed at a later date.
- Rise graded the following areas to create a stable working environment for machinery:
 - An about 30-foot-long by 30-foot-wide in the southeastern part of the site.
 - An about 10-foot-long by 10-foot-wide in the northern part of the site.

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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

Materials Export Summary			
Facility	Exported	Today	Total
Cycle Chem, Inc. Elizabeth, NJ Lead Contaminated Soil	No. Loads	0	14
	Quantity (CY)	0	280
Bayshore Soil Management Keasbey, NJ Non-Hazardous Fill/Soil	No. Loads	0	314
	Quantity (CY)	0	6,280
Clean Earth of North Jersey Kearny, NJ Hazardous Lead Historic Fill	No. Loads	0	5
	Quantity (CY)	0	125

Sampling

- No samples were collected.

CAMP Activities

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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.

- Concentrations of PM10 and VOCs were not recorded at the downwind monitoring station intermittently from 7:53 to 13:36 due to an equipment malfunction. During this time, the site perimeter was monitored visually with a handheld PID, the battery was replaced, and the equipment was restarted. Fugitive dust and odors were not observed during this time.

Particulate Monitoring (mg/m ³)			Organic Vapor Monitoring (ppm)		
Daily background	0.081		Daily Background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	0.081	0.049	Daily Time Weighted Average	0.0	0.1
Maximum 15-min Average	0.125	0.064	Maximum 15-min Average	0.0	0.2
Minimum 1-min Instant Reading	0.037	0.009	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	0.405	0.068	Maximum 1-min Instant Reading	0.2	0.2

mg/m³ = milligrams per cubic meter
 NA = Not Available

ppm = parts per million

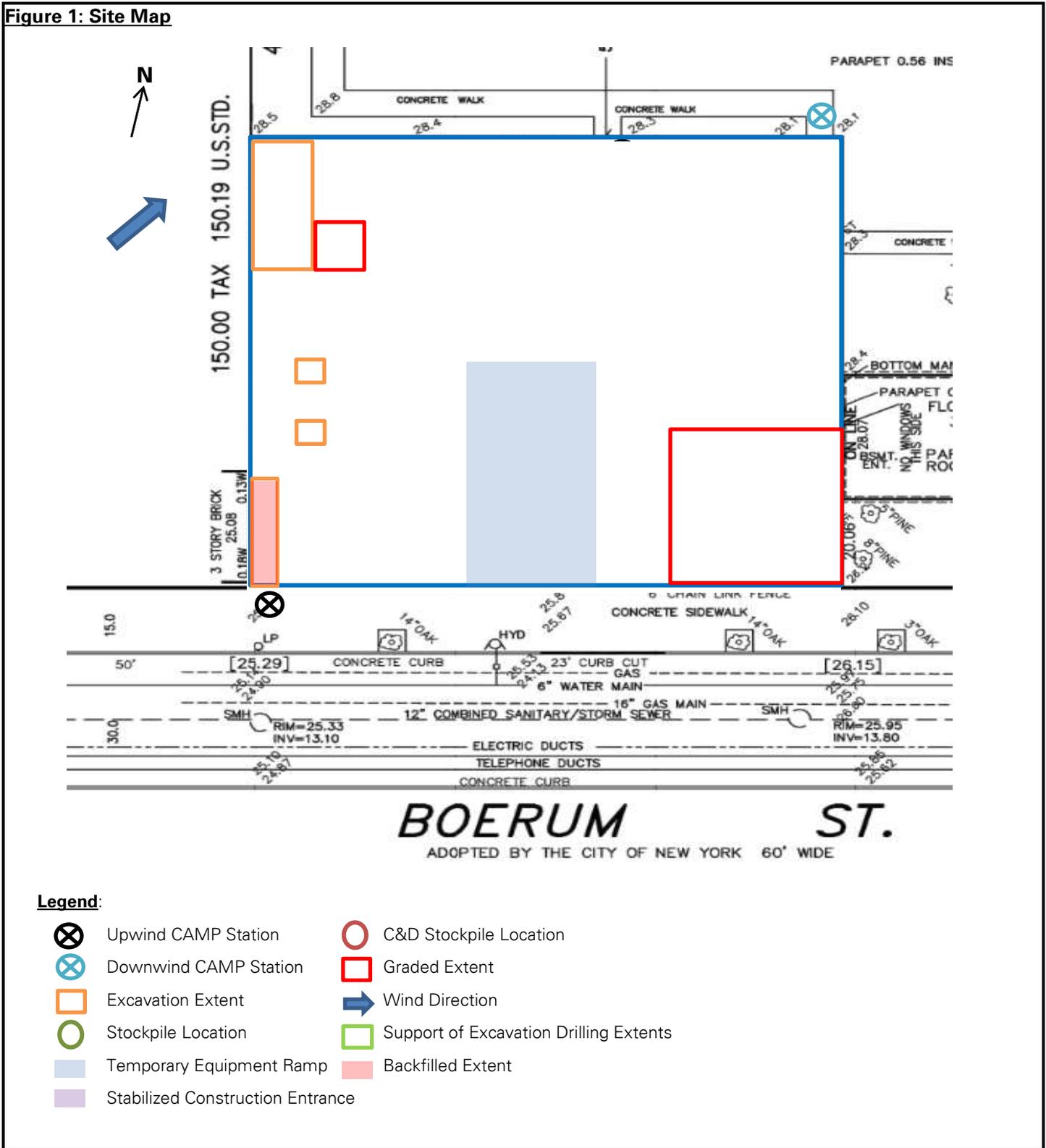
Anticipated Activities

- Rise will install SOE elements along the site boundaries.

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Figure 1: Site Map



Legend:

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

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SITE PHOTOGRAPHS



Photo 1: General view of the site at the beginning of the work day (facing south).

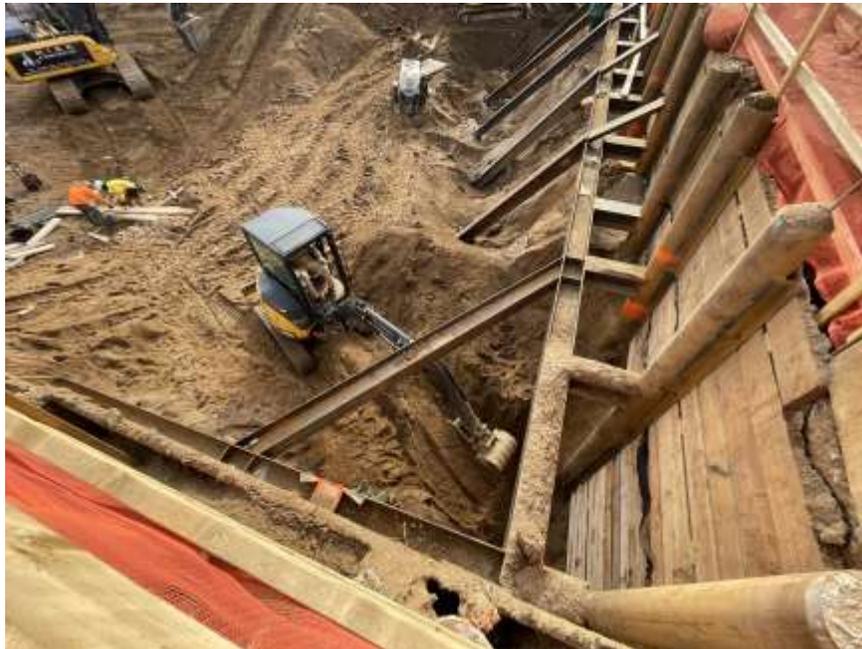


Photo 2: View of Rise excavating native soil for SOE underpinning installation in the northwestern part of the site.

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