

SITE OBSERVATION REPORT

PROJECT No.: 170552901 PROJECT: 159 Boerum Street LOCATION: Brooklyn, NY	CLIENT: SPG Boerum LLC	DATE: Tuesday, December 27, 2022 WEATHER: Clear, 27-37 °F Wind: W @ 2.7-4.5 mph TIME: 7:00 am to 5:00 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	
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 <ul style="list-style-type: none"> • Rise excavated three about 5-foot-long by 5-foot-wide areas to about 16 feet below grade surface (bgs) in the western and southwestern parts of the site for support of excavation (SOE) underpinning installation. Excavated material consisted of non-hazardous fill and native soil and was screened for odors, staining, and organic vapors using a photoionization detector (PID). Excavated fill exhibited petroleum-like odors and a maximum PID reading of 41.5 parts per million (ppm); staining was not observed. The excavated fill was segregated and added to the equipment ramp in the southern part of the site for future off-site disposal. The native soil was 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: <ul style="list-style-type: none"> ○ An about 30-foot-long by 15-foot-wide in the western part of the site. ○ An about 20-foot-long by 20-foot-wide in the eastern part of the site. 		
Cc:	L. Haley, K. Semon, B. Gochenaur (Langan)	By: Lauren Roper LANGAN

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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	299
	Quantity (CY)	0	5,980
Clean Earth of North Jersey Kearny, NJ Hazardous Lead Historic Fill	No. Loads	0	5
	Quantity (CY)	0	125

Sampling

- No samples were collected.

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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.

Particulate Monitoring (mg/m ³)			Organic Vapor Monitoring (ppm)		
Daily background	0.034		Daily Background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	0.034	0.026	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	0.081	0.038	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	0.019	0.019	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	0.274	0.156	Maximum 1-min Instant Reading	0.0	0.0

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

ppm = parts per million

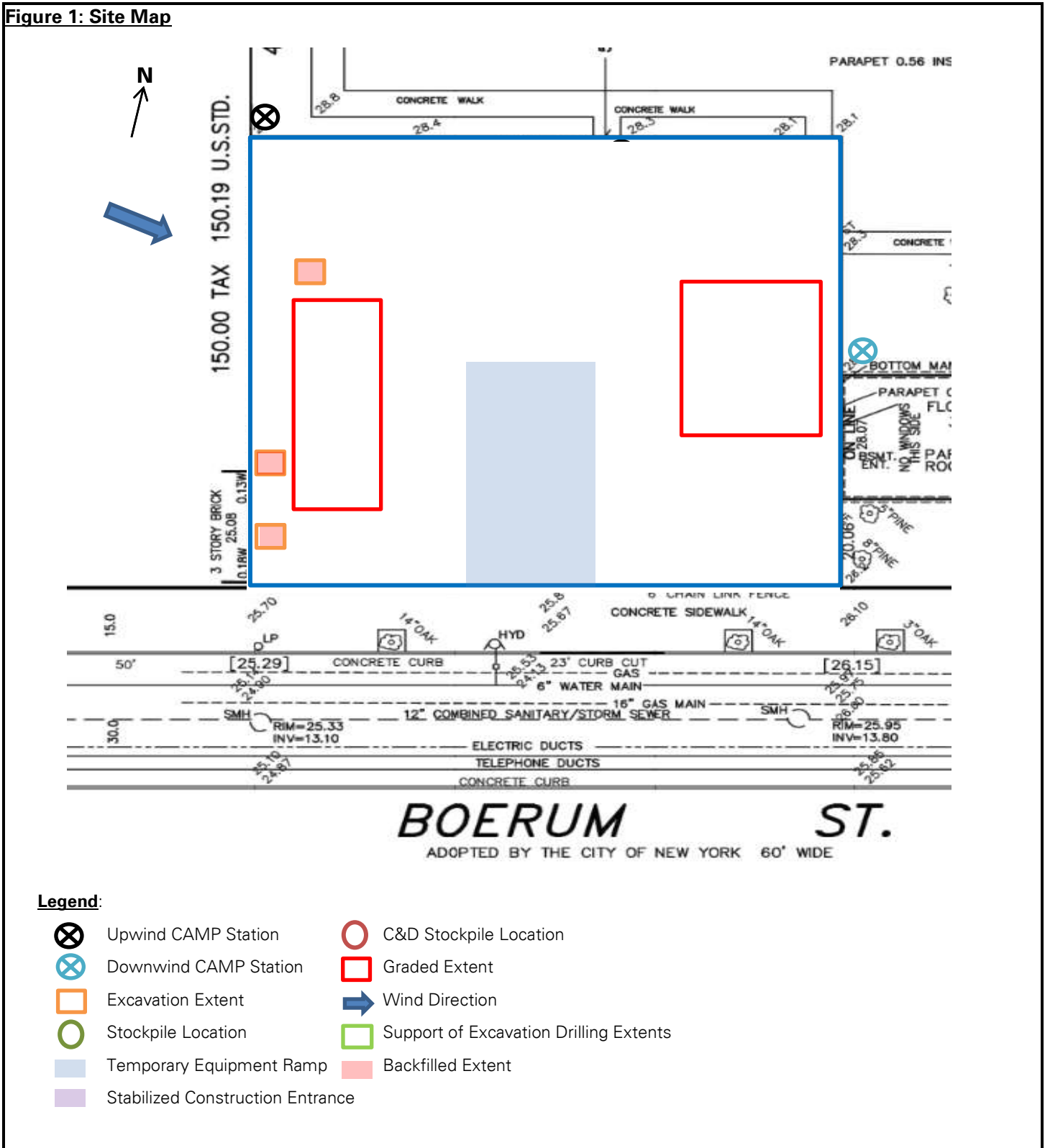
Anticipated Activities

- Rise will install SOE elements along the site boundaries.
- Rise will export non-hazardous fill for off-site disposal.

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Figure 1: Site Map



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SITE PHOTOGRAPHS



Photo 1: View of Rise excavating non-hazardous fill for SOE underpinning installation in the southwestern part of the site (facing west).



Photo 2: View of Rise grading native soil in the western part of the site (facing northwest).

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