

## SITE OBSERVATION REPORT

<b>PROJECT No.:</b> 170552901  <b>PROJECT:</b> 159 Boerum Street  <b>LOCATION:</b> Brooklyn, NY	<b>CLIENT:</b> SPG Boerum LLC	<b>DATE:</b> Monday, November 14, 2022  <b>WEATHER:</b> Sunny, 38-47 °F Wind: NW @ 3.2-6.0 mph  <b>TIME:</b> 6:45 am to 5:30 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	
<b>OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:</b>  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:  <b>Site Activities</b> <ul style="list-style-type: none"> <li>• Rise placed about 200 cubic yards (CY) of ¾-inch recycled concrete aggregate (RCA) from the Allocco Recycling, Inc. facility in Brooklyn, New York in the central part of the site for construction of the temporary equipment ramp.</li> <li>• Rise excavated an about 10-foot long by 10-foot wide area to about 10 feet below grade surface (bgs) in the southwestern part of the site to remove subsurface obstructions. Excavated material consisted of non-hazardous fill and demolished rock and was screened for odors, staining, and organic vapors using a photoionization detector (PID); evidence of impacts was not observed. The excavated fill was subsequently backfilled to its original location and will be removed at a later date. The demolished rock was added to the existing concrete and demolition (C&amp;D) debris stockpile in the eastern part of the site.</li> <li>• Anel used a Casagrande drill rig to install soldier piles along the southern site boundary to a maximum depth of 30 feet bgs.</li> </ul>		
<b>Cc:</b>	L. Haley, K. Semon, B. Gochenaur (Langan)	<b>By:</b> Lauren Roper  <b>LANGAN</b>

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### Material Tracking

- 10 truckloads (about 200 CY) of ¾-inch RCA was imported from the Allocco Recycling, Inc. facility in Brooklyn, New York.
- No material was exported from the site.

Materials Import Summary			
Facility	Imported	Today	Total
Allocco Recycling, Inc. Brooklyn, NY ¾-inch RCA	No. Loads	10	45
	Quantity (CY)	200	900
	NYSDEC Approved Quantity (CY)		1,000

### 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).

Particulate Monitoring (mg/m <sup>3</sup> )			Organic Vapor Monitoring (ppm)		
Daily background	0.018		Daily Background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	0.018	0.002	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	0.237	0.009	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	-0.002	-0.001	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	1.283	0.019	Maximum 1-min Instant Reading	0.0	0.1

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

ppm = parts per million

NA = Not Available

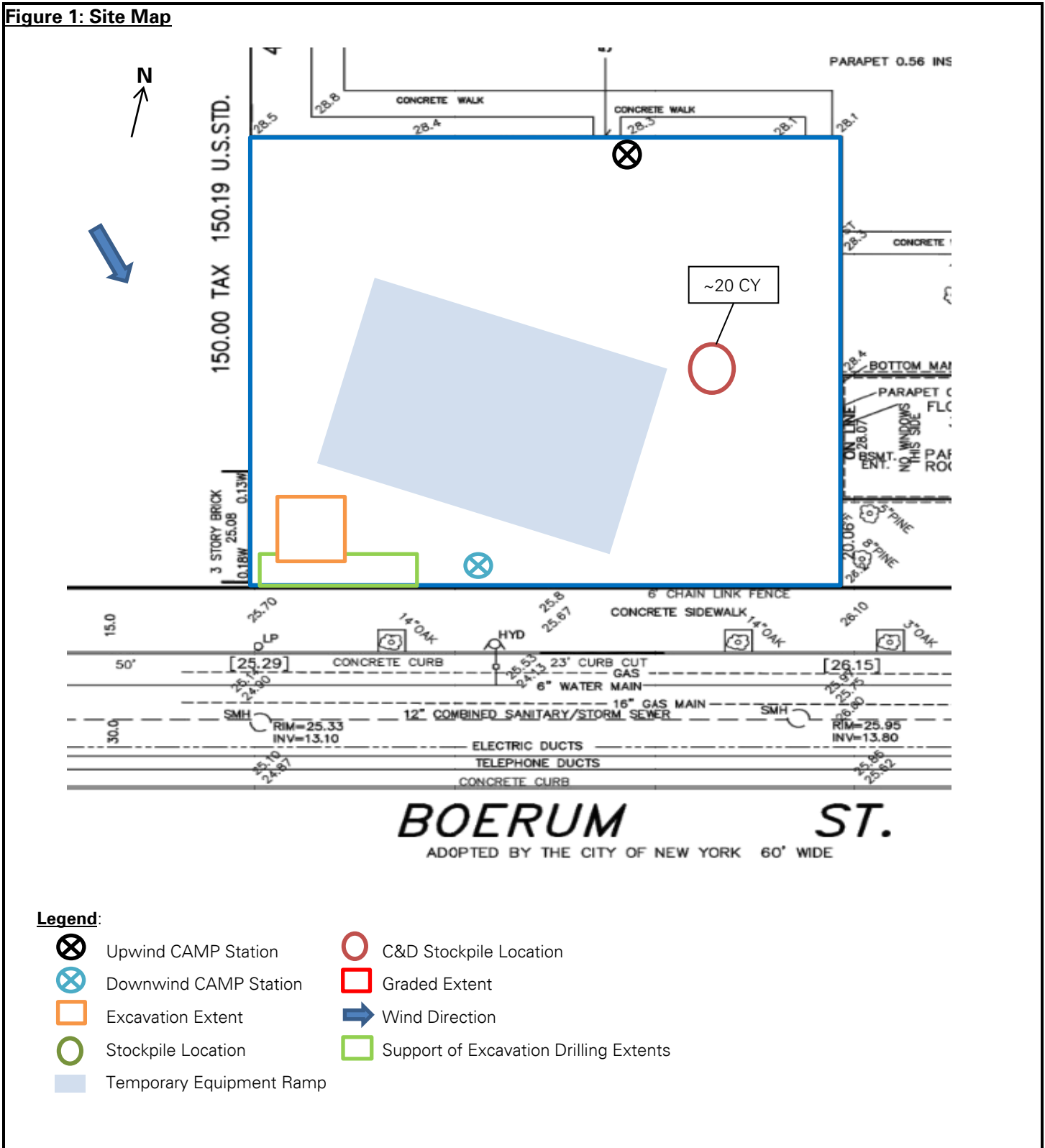
### Anticipated Activities

- Anel will continue to install soldier piles along the western site boundary.
- Rise will continue to import RCA to the site for the temporary equipment ramp and to stabilize drilling operations along the western site boundary.










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Figure 1: Site Map



**Legend:**

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

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### SITE PHOTOGRAPHS



**Photo 1:** View of ¾-inch RCA imported for construction of the temporary equipment ramp in the central part of the site (facing northwest).



**Photo 2:** Rise excavating non-hazardous fill in the southwestern part of the site to remove subsurface obstructions (facing east).

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