LANGAN SITE OBSERVATION REPORT – Pile Installation Oversight – Day 17

PROJECT No.:	170390001	**CLIENT:**		**DATE:**	Thursday, 5 October 2023
PROJECT:	141 3rd Street		Third Street Owner LLC and 155 Third St., LLC	**WEATHER:**	Sunny, 60-75 ^{0}F Wind: WSW @ 0.2–7.6 mph
LOCATION:	Brooklyn, New York			**TIME:**	7:00 a.m. – 4:00 p.m.
BCP SITE ID:	C224336				

EQUIPMENT:
Soilmec SR-75 ADV Hydraulic Rotary Rig
Liebherr LB36 410 Rotary Drilling Rig
Junttan PM 25H Pile Driving Rig
FES FR180X-IV Rotary Drill Rig
Specto Technology Aeroqual Air Monitoring Stations (2)
Hyundai HX520L Excavator
Kotmasu PC400 Excavator
CAT 966G Excavator

PRESENT AT SITE:
Langan: Andrew Ashley
Monadnock Construction, Inc. (Construction Management):
Jim Spence – Superintendent
New Leaf Development (Pile Installation Contractor):
Jose Gomez – Foreman
WSP (NYSDEC Consultant): Christopher Disclafani

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) was present to oversee implementation of soil handling procedures and document installation of foundation displacement piles in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Excavation Work Plan, dated 17 February 2022, and the associated Change of Use Notification, dated 09 August 2023.

Site Activities

- New Leaf excavated an about 30-foot-long by 20-foot-wide area to a depth of about 3 feet below grade surface (bgs) surrounding pile cap 65 in the western part of the site for the installation of the pile load testing apparatus. Excavated material consisted of construction and demolition (C&D) debris and fill, which were screened for odors, staining and organic vapors using a photoionization detector (PID). No evidence of impacts was observed.
    - Excavated fill was stockpiled in the northern part of the site on polyethylene sheeting and covered at the end of the day.
    - Excavated C&D debris was stockpiled in the southeast part of the site in preparation for future off-site disposal.
- A representative from WSP conducted a site visit on behalf of the NYSDEC. No adverse conditions were noted as a result of the site visit and no further action was required.

Material Tracking

- No material was imported.
- No material was exported.

Material Import Summary				
Facility	**NYSDEC Approved Quantity**	**Imported**	**Today**	**Total**
Tilcon - Haverstraw Haverstraw, NY ASTM #3 Virgin Stone (1.5-Inch)	200 CY (280 tons)	**No. Loads**	0	**2**
		Quantity (tons)	0	**47**

Sampling

- None.

Community Air Monitoring Plan (CAMP) Activities

- Langan implemented the CAMP at upwind and downwind locations to monitor volatile organic compounds (VOC) and particulate matter (PM10). 15-minute-average concentrations of VOCs and PM10 were not recorded above the action levels. No fugitive dust and odors associated with intrusive activities were observed migrating off site.

Particulate Monitoring (µg/m^3)		Organic Vapor Monitoring (ppm)	
Daily Background	12.8	Daily Background	0.01
Minimum 15-min Average	0.0	Minimum 15-min Average	0.00
Maximum 15-min Average	40.1	Maximum 15-min Average	0.01

µg/m^3= micrograms per cubic meter ppm= parts per million

Anticipated Activities

- New leaf will begin setup for pile load testing.
- Langan will collect groundwater samples for the in-situ geochemical stabilization and in-situ stabilization/solidification treatability studies.

SITE PHOTOGRAPHS:



Photo 1: New Leaf excavating around pile cap 65 (facing north).

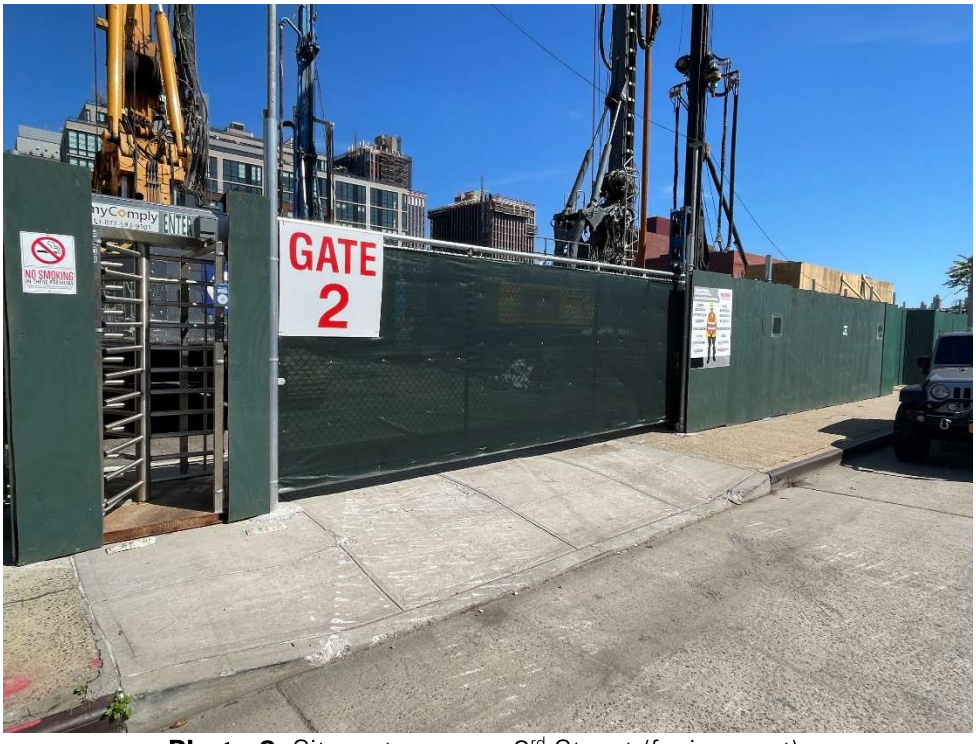
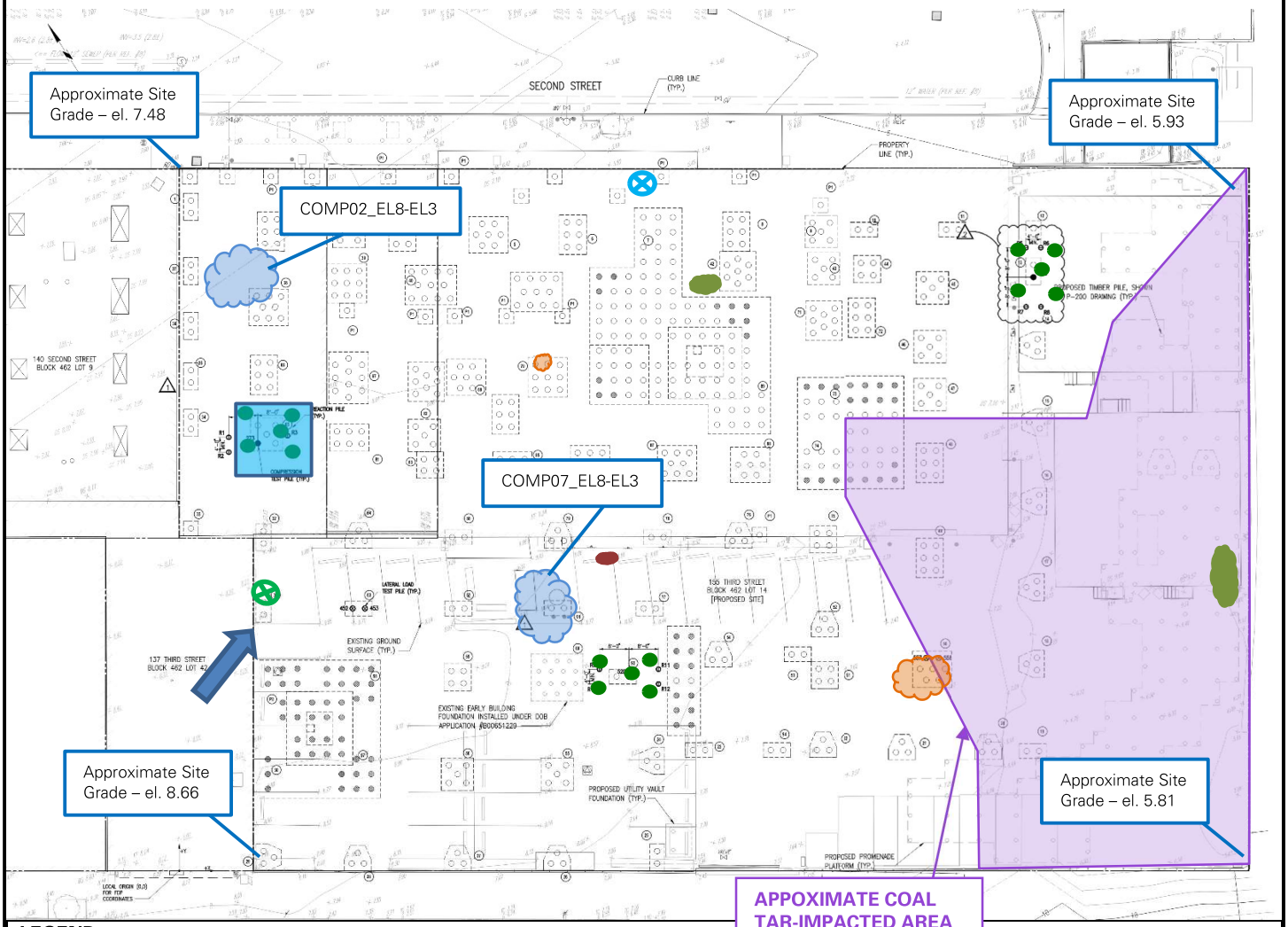


Photo 2: Site entrance on 3rd Street (facing east).

Site Map:



LEGEND

- Approximate Location of Displacement Pile Advanced Today
- Approximate Location of Displacement Pile Advanced Previously
- Approximate Location of Displacement Pile Load Testing
- Approximate Work Area
- Approximate location of upwind CAMP Station
- Approximate location of downwind CAMP Station
- Approximate location of Soil Stockpile
- Approximate location of C&D Debris Stockpile
- Approximate location of Timber Stockpile
- Approximate location of ASTM #3 Virgin Stone (1.5-Inch) Stockpile
- Prevailing Wind Direction

Basemap is referenced from Drawing FO-099.01, titled "Deep Foundations Plans and Details" prepared by Dattner Architects D.P.C, dated 12/27/2022.

Elevations (el.) are in feet and referenced to the North American Vertical Datum of 1988 (NAVD88).

Drawing Shown Not to Scale

LANGAN	Air Monitoring Report	170390002 - 141 3rd Street	
		Report Period	
		From:	10/5/2023 06:00
		To:	10/5/2023 18:00
		PM10 Action Level:	150.0 µg/m³
		VOC Action Level:	5.00 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
10/5/2023	0.2-7.6	WSW

Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 10/5/2023	0.0	08:11	0.00	07:47
Max Contribution (15 min avg.) - 10/5/2023	40.1	07:47	0.01	09:03

