LANGAN SITE OBSERVATION REPORT – Pile Installation Oversight – Day 26

PROJECT No.:	170390001	**CLIENT:**		**DATE:**	Monday, 11 December 2023
PROJECT:	141 3rd Street		Third Street Owner LLC and 155 Third St., LLC	**WEATHER:**	Rainy/Cloudy, 40-44 ^{0}F Wind: NW @ 17–26 mph
LOCATION:	Brooklyn, New York			**TIME:**	10:15 a.m. – 2:15 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
CAMP station (2)
Hyundai HX520L Excavator

PRESENT AT SITE:
Langan: Lisa Cristiano
Monadnock Construction, Inc. (Construction Management):
Sage Gu – Superintendent
NYSDEC: Aaron Fischer

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, the associated Change of Use Notification, dated 09 August 2023.

Site Activities

- A representative from the NYSDEC conducted a site visit. Langan was requested to be present on site while demobilization occurred. Once notified, a representative from Langan arrived on site to observe equipment demobilization and the removal of a 15-cubic-yard roll-off container containing residual construction and demolition debris, and to implement air monitoring.

Material Tracking

- The following drums are staged on site:
    - One 55-gallon drum containing decontamination fluid and purged groundwater is staged in the east-central part of the site.
    - Two 55-gallon drums containing decontamination fluid are staged in the east-central part of the site.
    - Five 55-gallon drums containing soil cuttings are staged in the eastern part of the site.
- No material was imported or 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	**3**
		Quantity (tons)	0	**70**

Sampling

- No samples were collected.

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 (mg/m^3)		Organic Vapor Monitoring (ppm)	
Daily Background	0.003	Daily Background	0.0
Minimum 15-min Average	0.001	Minimum 15-min Average	0.0
Maximum 15-min Average	0.005	Maximum 15-min Average	0.0

mg/m^3= milligrams per cubic meter ppm= parts per million

Anticipated Activities

- Monadnock will continue to demobilize equipment during the week of December 18, 2023.

SITE PHOTOGRAPHS:

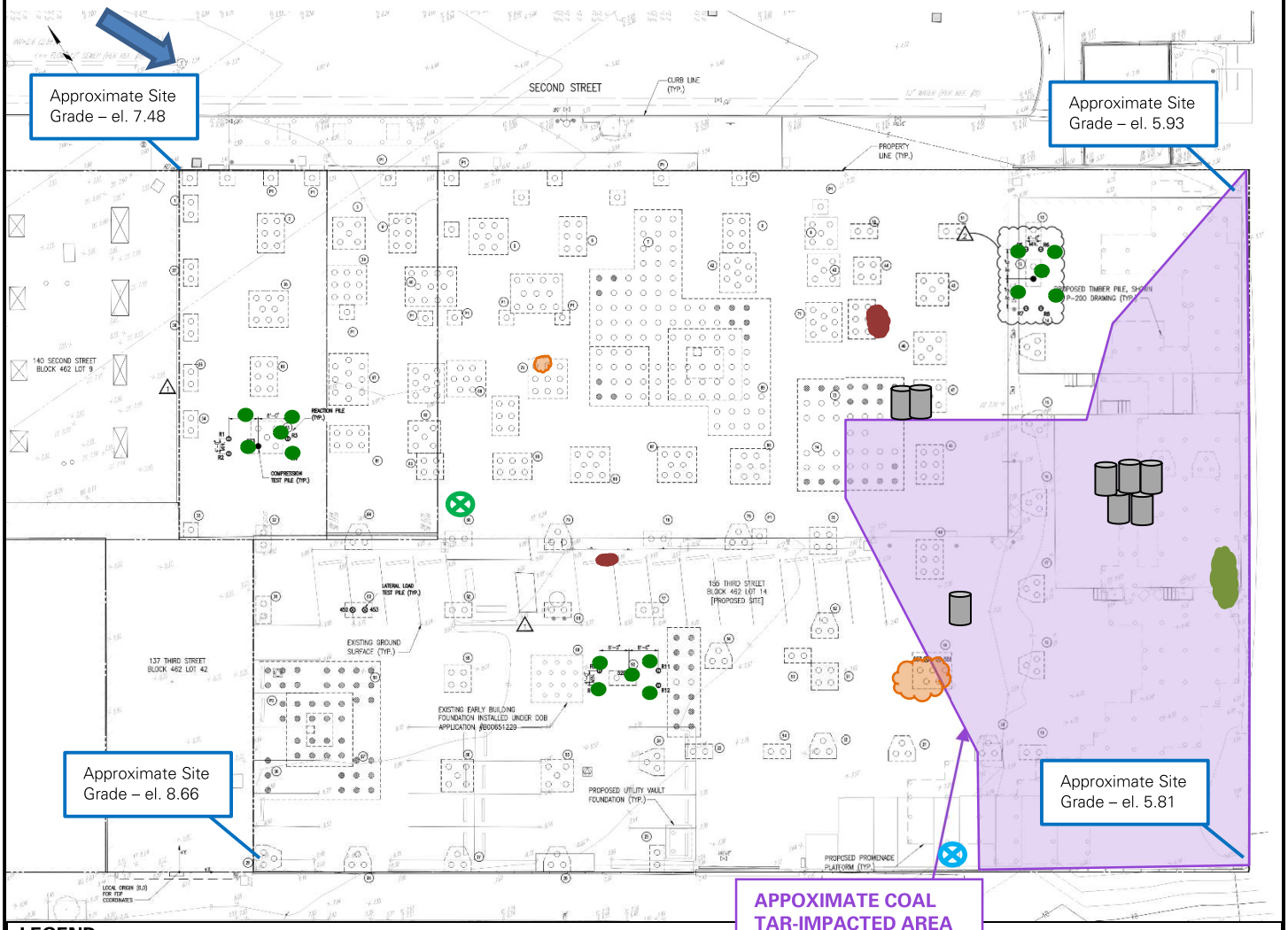


Photo 1: View of the removal of a construction and demolition debris container (facing north).



Photo 2: View of the site entrance on 3rd Street (facing west).

Site Map:



LEGEND

- Approximate Location of Displacement Pile Advanced Previously
- Approximate location of upwind CAMP Station
- Approximate location of downwind CAMP Station
- 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
- Drum Location

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

141 3rd Street
170390001
CAMP Data Summary

Date: 12/11/2023
Observer: Lisa Cristiano

Particulate Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.001	0.002
Maximum 15min Average	0.005	0.004
High Intervals "exceedances"	N/A	N/A
Minimum 1min Reading	0.001	0.002
Maximum 1min Reading	0.039	0.009

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.0	0.0
High Intervals "exceedances"	N/A	N/A
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.0	0.0

All reported particulate concentrations are in mg/m3 or milligrams per cubic meter and all reported organic vapor concentrations are in ppm or parts per million, unless specified otherwise.

Monday, December 11, 2023						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						70
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
12:13			12:13	0.004		
12:14			12:14	0.005		
12:15			12:15	0.002		
12:16			12:16	0.003		
12:17			12:17	0.003		
12:18			12:18	0.003		
12:19	0.016		12:19	0.003		
12:20	0.003		12:20	0.003		
12:21	0.002		12:21	0.005		
12:22	0.002		12:22	0.004		
12:23	0.004		12:23	0.003		
12:24	0.002		12:24	0.003		
12:25	0.002		12:25	0.003		
12:26	0.001		12:26	0.003		
12:27	0.001		12:27	0.003		
12:28	0.003		12:28	0.003	0.003	
12:29	0.003		12:29	0.003	0.003	
12:30	0.002		12:30	0.003	0.003	
12:31	0.002		12:31	0.003	0.003	
12:32	0.001		12:32	0.004	0.003	
12:33	0.001		12:33	0.003	0.003	
12:34	0.001	0.003	12:34	0.003	0.003	-
12:35	0.001	0.002	12:35	0.003	0.003	-
12:36	0.001	0.002	12:36	0.004	0.003	-
12:37	0.004	0.002	12:37	0.003	0.003	-
12:38	0.003	0.002	12:38	0.003	0.003	-
12:39	0.002	0.002	12:39	0.003	0.003	-
12:40	0.002	0.002	12:40	0.004	0.003	-
12:41	0.002	0.002	12:41	0.004	0.003	-
12:42	0.001	0.002	12:42	0.003	0.003	-
12:43	0.001	0.002	12:43	0.003	0.003	-
12:44	0.001	0.002	12:44	0.003	0.003	-
12:45	0.001	0.002	12:45	0.003	0.003	-
12:46	0.001	0.002	12:46	0.003	0.003	-
12:47	0.001	0.002	12:47	0.003	0.003	-
12:48	0.001	0.002	12:48	0.003	0.003	-
12:49	0.001	0.002	12:49	0.002	0.003	-
12:50	0.001	0.002	12:50	0.003	0.003	-
12:51	0.001	0.002	12:51	0.003	0.003	-
12:52	0.001	0.002	12:52	0.003	0.003	-
12:53	0.001	0.001	12:53	0.003	0.003	-
12:54	0.001	0.001	12:54	0.003	0.003	-
12:55	0.001	0.001	12:55	0.003	0.003	-
12:56	0.001	0.001	12:56	0.003	0.003	-
12:57	0.001	0.001	12:57	0.003	0.003	-
12:58	0.001	0.001	12:58	0.003	0.003	-
12:59	0.001	0.001	12:59	0.003	0.003	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
13:00	0.001	0.001	13:00	0.002	0.003	-
13:01	0.001	0.001	13:01	0.002	0.003	-
13:02	0.001	0.001	13:02	0.002	0.003	-
13:03	0.001	0.001	13:03	0.003	0.003	-
13:04	0.001	0.001	13:04	0.002	0.003	-
13:05	0.001	0.001	13:05	0.002	0.003	-
13:06	0.001	0.001	13:06	0.002	0.003	-
13:07	0.001	0.001	13:07	0.002	0.003	-
13:08	0.001	0.001	13:08	0.002	0.003	-
13:09	0.001	0.001	13:09	0.002	0.002	-
13:10	0.001	0.001	13:10	0.002	0.002	-
13:11	0.001	0.001	13:11	0.002	0.002	-
13:12	0.001	0.001	13:12	0.002	0.002	-
13:13	0.001	0.001	13:13	0.002	0.002	-
13:14	0.001	0.001	13:14	0.003	0.002	-
13:15	0.001	0.001	13:15	0.003	0.002	-
13:16	0.001	0.001	13:16	0.003	0.002	-
13:17	0.001	0.001	13:17	0.002	0.002	-
13:18	0.002	0.001	13:18	0.004	0.002	-
13:19	0.002	0.001	13:19	0.003	0.002	-
13:20	0.002	0.001	13:20	0.003	0.002	-
13:21	0.002	0.001	13:21	0.009	0.002	-
13:22	0.002	0.001	13:22	0.003	0.003	-
13:23	0.002	0.001	13:23	0.003	0.003	-
13:24	0.002	0.001	13:24	0.004	0.003	-
13:25	0.002	0.001	13:25	0.003	0.003	-
13:26	0.002	0.002	13:26	0.008	0.003	-
13:27	0.002	0.002	13:27	0.003	0.004	-
13:28	0.002	0.002	13:28	0.003	0.004	-
13:29	0.002	0.002	13:29	0.003	0.004	-
13:30	0.002	0.002	13:30	0.003	0.004	-
13:31	0.002	0.002	13:31	0.003	0.004	-
13:32	0.002	0.002	13:32	0.003	0.004	-
13:33	0.002	0.002	13:33	0.002	0.004	-
13:34	0.002	0.002	13:34	0.002	0.004	-
13:35	0.002	0.002	13:35	0.002	0.004	-
13:36	0.002	0.002	13:36	0.003	0.004	-
13:37	0.002	0.002	13:37	0.003	0.003	-
13:38	0.002	0.002	13:38	0.005	0.003	-
13:39	0.002	0.002	13:39	0.004	0.003	-
13:40	0.002	0.002	13:40	0.006	0.003	-
13:41	0.002	0.002	13:41	0.003	0.004	-
13:42	0.002	0.002	13:42	0.006	0.003	-
13:43	0.002	0.002	13:43	0.003	0.003	-

Monday, December 11, 2023						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =						0
Number of Comparable Data Points =						93
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:14	0.0		12:14			
12:15	0.0		12:15			
12:16	0.0		12:16			
12:17	0.0		12:17			
12:18	0.0		12:18			
12:19	0.0		12:19			
12:20	0.0		12:20	0.0		
12:21	0.0		12:21	0.0		
12:22	0.0		12:22	0.0		
12:23	0.0		12:23	0.0		
12:24	0.0		12:24	0.0		
12:25	0.0		12:25	0.0		
12:26	0.0		12:26	0.0		
12:27	0.0		12:27	0.0		
12:28	0.0	0.0	12:28	0.0		
12:29	0.0	0.0	12:29	0.0		
12:30	0.0	0.0	12:30	0.0		
12:31	0.0	0.0	12:31	0.0		
12:32	0.0	0.0	12:32	0.0		
12:33	0.0	0.0	12:33	0.0		
12:34	0.0	0.0	12:34	0.0	0.0	-
12:35	0.0	0.0	12:35	0.0	0.0	-
12:36	0.0	0.0	12:36	0.0	0.0	-
12:37	0.0	0.0	12:37	0.0	0.0	-
12:38	0.0	0.0	12:38	0.0	0.0	-
12:39	0.0	0.0	12:39	0.0	0.0	-
12:40	0.0	0.0	12:40	0.0	0.0	-
12:41	0.0	0.0	12:41	0.0	0.0	-
12:42	0.0	0.0	12:42	0.0	0.0	-
12:43	0.0	0.0	12:43	0.0	0.0	-
12:44	0.0	0.0	12:44	0.0	0.0	-
12:45	0.0	0.0	12:45	0.0	0.0	-
12:46	0.0	0.0	12:46	0.0	0.0	-
12:47	0.0	0.0	12:47	0.0	0.0	-
12:48	0.0	0.0	12:48	0.0	0.0	-
12:49	0.0	0.0	12:49	0.0	0.0	-
12:50	0.0	0.0	12:50	0.0	0.0	-
12:51	0.0	0.0	12:51	0.0	0.0	-
12:52	0.0	0.0	12:52	0.0	0.0	-
12:53	0.0	0.0	12:53	0.0	0.0	-
12:54	0.0	0.0	12:54	0.0	0.0	-
12:55	0.0	0.0	12:55	0.0	0.0	-
12:56	0.0	0.0	12:56	0.0	0.0	-
12:57	0.0	0.0	12:57	0.0	0.0	-
12:58	0.0	0.0	12:58	0.0	0.0	-
12:59	0.0	0.0	12:59	0.0	0.0	-
13:00	0.0	0.0	13:00	0.0	0.0	-
13:01	0.0	0.0	13:01	0.0	0.0	-
13:02	0.0	0.0	13:02	0.0	0.0	-
13:03	0.0	0.0	13:03	0.0	0.0	-
13:04	0.0	0.0	13:04	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:05	0.0	0.0	13:05	0.0	0.0	-
13:06	0.0	0.0	13:06	0.0	0.0	-
13:07	0.0	0.0	13:07	0.0	0.0	-
13:08	0.0	0.0	13:08	0.0	0.0	-
13:09	0.0	0.0	13:09	0.0	0.0	-
13:10	0.0	0.0	13:10	0.0	0.0	-
13:11	0.0	0.0	13:11	0.0	0.0	-
13:12	0.0	0.0	13:12	0.0	0.0	-
13:13	0.0	0.0	13:13	0.0	0.0	-
13:14	0.0	0.0	13:14	0.0	0.0	-
13:15	0.0	0.0	13:15	0.0	0.0	-
13:16	0.0	0.0	13:16	0.0	0.0	-
13:17	0.0	0.0	13:17	0.0	0.0	-
13:18	0.0	0.0	13:18	0.0	0.0	-
13:19	0.0	0.0	13:19	0.0	0.0	-
13:20	0.0	0.0	13:20	0.0	0.0	-
13:21	0.0	0.0	13:21	0.0	0.0	-
13:22	0.0	0.0	13:22	0.0	0.0	-
13:23	0.0	0.0	13:23	0.0	0.0	-
13:24	0.0	0.0	13:24	0.0	0.0	-
13:25	0.0	0.0	13:25	0.0	0.0	-
13:26	0.0	0.0	13:26	0.0	0.0	-
13:27	0.0	0.0	13:27	0.0	0.0	-
13:28	0.0	0.0	13:28	0.0	0.0	-
13:29	0.0	0.0	13:29	0.0	0.0	-
13:30	0.0	0.0	13:30	0.0	0.0	-
13:31	0.0	0.0	13:31	0.0	0.0	-
13:32	0.0	0.0	13:32	0.0	0.0	-
13:33	0.0	0.0	13:33	0.0	0.0	-
13:34	0.0	0.0	13:34	0.0	0.0	-
13:35	0.0	0.0	13:35	0.0	0.0	-
13:36	0.0	0.0	13:36	0.0	0.0	-
13:37	0.0	0.0	13:37	0.0	0.0	-
13:38	0.0	0.0	13:38	0.0	0.0	-
13:39	0.0	0.0	13:39	0.0	0.0	-
13:40	0.0	0.0	13:40	0.0	0.0	-
13:41	0.0	0.0	13:41	0.0	0.0	-
13:42	0.0	0.0	13:42	0.0	0.0	-
13:43	0.0	0.0	13:43	0.0	0.0	-
13:44	0.0	0.0	13:44	0.0	0.0	-
13:45	0.0	0.0	13:45	0.0	0.0	-
13:46	0.0	0.0	13:46	0.0	0.0	-
13:47	0.0	0.0	13:47	0.0	0.0	-
13:48	0.0	0.0	13:48	0.0	0.0	-
13:49	0.0	0.0	13:49	0.0	0.0	-
13:50	0.0	0.0	13:50	0.0	0.0	-
13:51	0.0	0.0	13:51	0.0	0.0	-
13:52	0.0	0.0	13:52	0.0	0.0	-