SITE OBSERVATION REPORT – RAWP Implementation – Day 30

LANGAN

PROJECT No.:	170390001	**CLIENT:**		**DATE:**	Thursday, 12 December 2024
PROJECT:	141 3rd Street		Third Street Owner LLC and 155 Third St., LLC	**WEATHER:**	Clear, Sunny 31 - 36 ^{0}F Wind: W @ 8.0 – 13.1 mph
LOCATION:	Brooklyn, New York			**TIME:**	4:00 p.m. – 8:15 p.m.
BCP SITE ID:	C224336			**MONITOR:**	JN Stanley

EQUIPMENT: Hyundai HX520L PC 400 Komatsu Liebherr LRB 355-450	**PRESENT AT SITE:** **Langan**: JN Stanley **Monadnock Construction (Construction Management)**: John Henry

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Action Work Plan (RAWP) dated 12 December 2024, and In-Situ Geochemical Stabilization (ISGS) Work Plan dated 9 September 2024.

Site Activities

- Langan used an interface probe to screen for the presence of dense non-aqueous phase liquid (DNAPL) in monitoring well PTMW01 and photoionization detector (PID) to screen the monitoring well headspace. The headspace of the monitoring well was recorded at 21.5 parts per million (ppm) and about 5.34 feet of DNAPL was measured within the well sump.
    - Langan used a peristaltic pump to remove all DNAPL from PTMW01. About 0.75 gallons of DNAPL was recovered and drummed pending future off-site disposal.
- Following DNAPL removal, Langan gauged PTMW01 over a 2-hour period to measure the rate of DNAPL recharge.

Sampling

- No samples were collected.

Community Air Monitoring Plan (CAMP) Activities

- Community air monitoring was not implemented due to a lack of ground-intrusive work activities. Fugitive dust or odors were not observed migrating from the site.

Material Tracking

- No material was exported from site.
- No material was imported to site.

Material Import Summary				
Facility	**NYSDEC Approved Quantity**	**Imported**	**Today**	**Total**
Tilcon - Haverstraw Haverstraw, NY ASTM #3 Virgin Stone (1.5-Inch)	400 CY (560 tons)	**No. Loads**	0	**4**
		Quantity (tons)	0	**89.95**
Impact Materials Jersey City (IMJC) Jersey City, NJ 0.75-inch Stone	2,000 CY (2,800 tons)	**No. Loads**	0	**0**
		Quantity (tons)	0	**0**
IMJC Jersey City, NJ 1.5-inch Stone	400 CY (560 tons)	**No. Loads**	0	**2**
		Quantity (tons)	0	**49.65**

Drums

- One 55-gallon drum containing purged groundwater an DNAPL is staged in the east-central part of the site.
- One 55-gallon drum containing decontamination fluid and purged groundwater is staged in the east-central part of the site.
- Six 55-gallon drums containing soil cuttings are staged in the eastern part of the site.
- One 55-gallon drum containing soil cuttings is staged in the southern part of the site.

Anticipated Activities

- New Leaf will mobilize equipment for ISGS implementation.

SITE PHOTOGRAPHS:

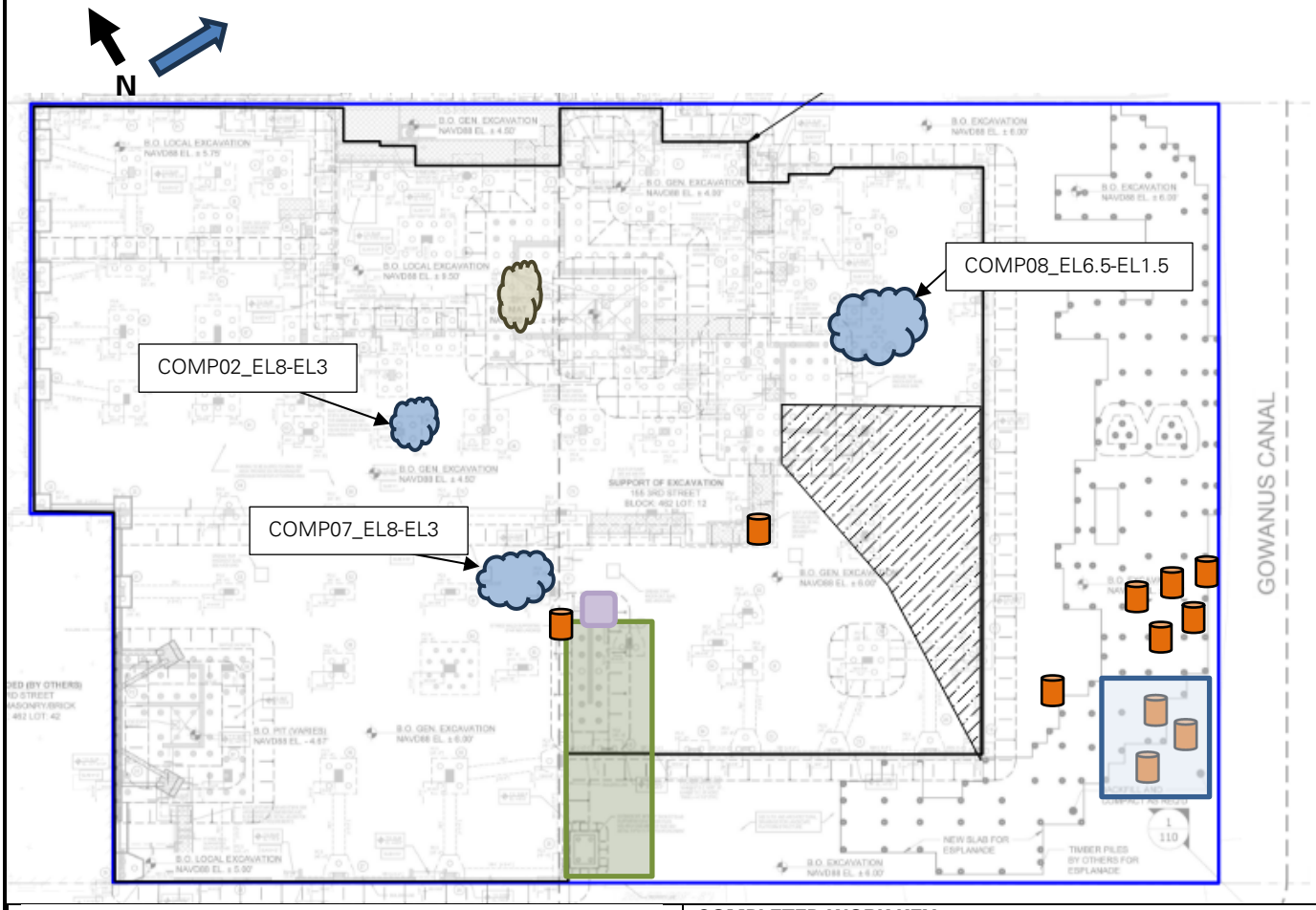


Photo 1: View of DNAPL coated on a threaded metal rod (facing down).



Photo 2: View of recovered DNAPL from PTMW01.

SITE MAP:



LEGEND:

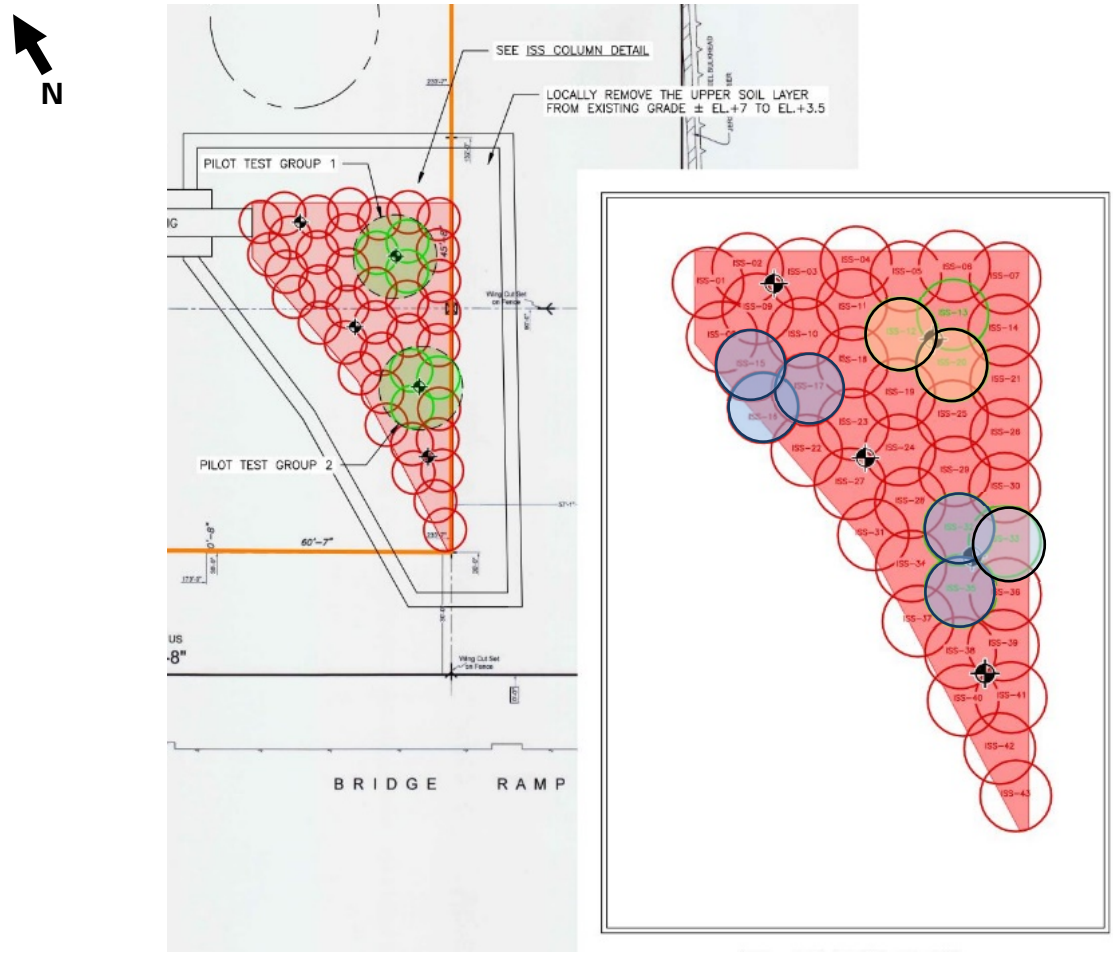
- APPROXIMATE SITE BOUNDARY
- PROPOSED BUILDING FOOTPRINT
- APPROXIMATE PROPOSED EXTENT OF ISS AREA TO BE EXCAVATED TO 4 FEET BGS (EL. 3.5± FEET NAVD88)

COMPLETED WORK KEY

- Approximate work area
- Approximate location of upwind CAMP station
- Approximate location of downwind CAMP station
- Approximate location of drum
- Approximate wind direction
- Stockpiled soil/fill
- Stockpiled C&D debris
- Stockpiled imported stone
- Temporary stabilized construction entrance
- Truck wash catch basin

Base map includes Figure 5 – Pre-ISS Excavation Plan from the NYSDEC-approved RDD for ISS, prepared by Langan Engineering, dated 4/5/2024

ISS Progress Map:



LEGEND

- FOOTPRINT OF FORMER BUILDING
- PROPOSED ISS PRODUCTION COLUMNS 10.5 FOOT DIAMETER
- PROPOSED ISS PILOT TEST COLUMNS 10.5 FOOT DIAMETER
- PROPOSED QA/QC PRODUCTION CORE LOCATION
- PROPOSED EXTENT OF ISS AREA

COMPLETED WORK KEY

- ISS cell mixed today
- ISS cell previously mixed
- ISS cell to be remixed

Base map includes Figure 2 – Project Implementation Plan In-Situ Stabilization/Solidification, prepared by Roux Environmental and Geology, D.P.C, dated October 2024

ISS Progress Table:

ISS Column ID	Coordinates (N, E)	Interval (el)	Mixing Time Per Interval (min)	Reagent Additional Per Interval (gal/min)	Injection Pressure (psi)	Injection Rate (psi/min)	Rotational Speed (RPM)	Advance Rate (ft/min)	No. of Passes
ISS-20	98.87, 221.23	3.5± to -13.5±	9.23	50	50	6.5	30	3.75	1
		-13.5± to -26.5±	9.23	50	50	6.5	30	3.75	1
ISS-12	103.418, 213.788	3.5± to -11.5±	15	50	N/A	N/A	15	1.4	1
		-11.5± to -16.5±	10	50	N/A	N/A	15	0.4	1
		-16.5± to -21.5±	10	50	N/A	N/A	15	0.4	N/A
ISS-16	92.59, 193.29	1.89± to -26.5±	270	50	N/A	N/A	17	0.10	1
ISS-17	95.14, 199.81	5.5± to -26.5±	170	50	N/A	N/A	18	0.19	1
ISS-15	98.75, 191.97	5.5± to -26.5±	160	50	N/A	N/A	16	0.28	1
ISS-35	65.47, 222.59	4.41± to -26.5±	335	50	N/A	N/A	16	0.17	2
ISS-32	74.47, 222.33	5.5± to -26.5±	223	50	N/A	N/A	16	0.36	2
ISS-33	74.47, 229.01	5.5± to -26.5±	127	50	N/A	N/A	16	0.25	2

1. Coordinates were measured in northing and eastings from the project datum.