LANGAN

DAILY STATUS REPORT

Prepared By: Lauren Kott

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32	X	40-50		50-70		70-85		>85	

Langan Project No:	100688801	Project:	12074 Flatlands Avenue p/o Lot 1	Date:	2/27/2023
NYSDEC BCP Site No:	C224353			Time:	6:30 – 15:45

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** Esther Arthur (Environmental) **AARCO:** Sergio Mangana, Rich Caminiti **EQUIPMENT ON SITE:** Geoprobe® 7822DT

Site Activities

- Langan mobilized to the site with AARCO Environmental Services, Inc. (AARCO), the drilling contractor.
- AARCO used a Geoprobe® 7822DT direct-push drill rig to advance soil borings LSB-40 and LSB-41 to a depth of 26 feet below ground surface (bgs). LSB-42 was advanced to a depth of 21 feet bgs. Groundwater monitoring wells LMW-21 and LMW-22 were installed to a depth of 26 feet at LSB-40 and LSB-41.
- No impacts or elevated PID readings were observed.

Samples Collected

- The following samples were collected for analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, herbicides, target analyte list (TAL) metals, hexavalent chromium, trivalent chromium, total cyanide, 1,4-dioxane, and per- and polyfluoroalkyl substances (PFAS):

Sample ID	Depth (ft bgs)
LSB-40_0-2	0.0 to 2.0
LSB-40_7-9	7.0 to 9.0
LSB-40_13-15 (HOLD)	13.0 to 15.0
LSB-40_17-19	17.0 to 19.0
LSB-40_20-22 (HOLD)	20.0 to 22.0
LSB-41_0-2	0.0 to 2.0
DUP-3	0.0 to 2.0
LSB-41_7-9	7.0 to 9.0
LSB-41_13-15 (HOLD)	13.0 to 15.0
LSB-41_17-19	17.0 to 19.0
LSB-41_20-22 (HOLD)	20.0 to 22.0
LSB-40_0-2	0.0 to 2.0
LSB-40_6-8	6.0 to 8.0

LSB-40_13-15 (HOLD)	13.0 to 15.0
LSB-40_17-19	17.0 to 19.0
LSB-40_19-21 (HOLD)	19.0 to 20.0

- Trip Blank TB-4 collected for analysis of VOCs.
- Field blank FB-3 was collected for analysis of VOCs, SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, trivalent chromium, total cyanide, 1,4-dioxane, and PFAS.
- Equipment blank PFAS_EB-3 was collected for analysis of PFAS and 1,4-dioxane.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. The CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at dedicated locations on the downwind perimeter and upwind perimeter of the site, as well as a personal DataRam (pDR) and Photoionization Detector (PID) at a work zone monitoring station.
- Dust and VOC concentrations were not detected in exceedance of the daily short-term exposure limit (STEL).

Problems Encountered

- None.

Activities Scheduled for Next Day

- AARCO will continue drilling at soil vapor and monitoring well locations.

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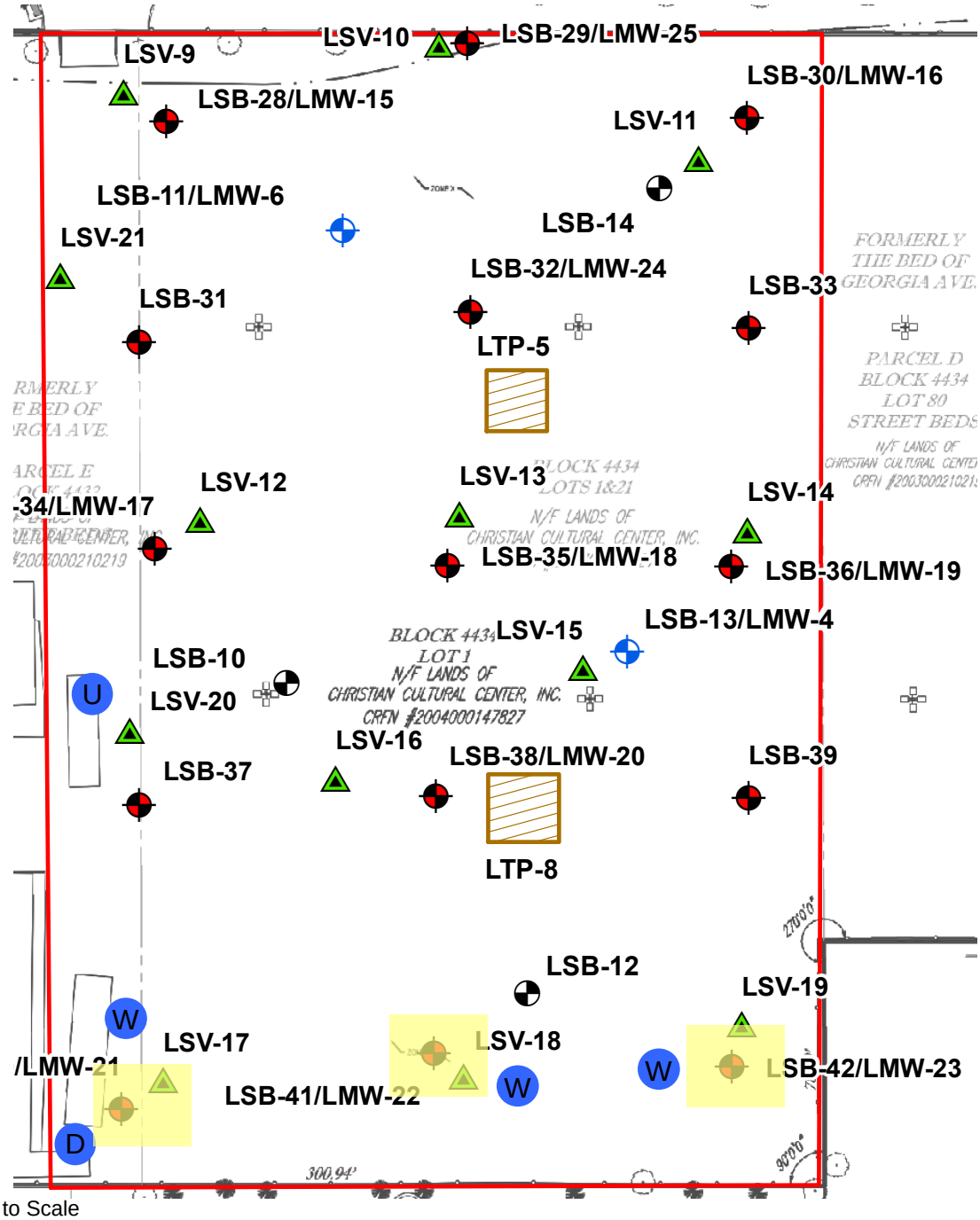
Photo Log

Photo 1 – AARCO drilling at LSB-40, facing east.	
Photo 2 – AARCO installing LMW-22 at LSB-41, facing south.	

SITE MAP



Approximate and Not to Scale

LEGEND

- BCP Site No. C224353 (12074 Flatlands Avenue p/o Lot 1) Site Boundary
- Proposed Soil Boring/ Monitoring Well Location
- Proposed Soil Vapor Point
- Historical Soil Boring/ Monitoring Well Location
- Historical Soil Boring Location
- W — Work Zone Air Monitoring Station
- D — Downwind Perimeter Air Monitoring Station
- U — Upwind Perimeter Air Monitoring Station
- Work Area

NOTES

1. Basemap taken from Figure 6 - Proposed Sample Location Plan.
2. Sample and test pits locations from prior investigations were collected using the ArcGIS Collector application on a table utilizing GPS location.