LANGAN

DAILY STATUS REPORT

Prepared By: Molly Mattern

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

Langan Project No:	100849501	Project:	990 Rossville Ave	Date:	9/9/2021
NYSDEC BCP Site No:	C243043			Time:	5:45 – 15:45

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** Molly Mattern (Environmental) **Hager-Richter**: Alexis Martinez, Amanda Fabian

Site Activities

- Langan mobilized to the site with Hager Richter Geoscience, Inc. (Hager-Richter), the geophysical survey contractor.
- Hager-Richter performed a geophysical survey to clear boring locations, mark utilities, and identify the extents of the onsite catch basin network within the central, southern, southwestern, and western portions of the site.

Community Air Monitoring Program (CAMP)

- Langan did not implement CAMP as no soil disturbance occurred.

Problems Encountered

- None

Activities Scheduled for Next Day

- Hager Richter will continue the geophysical survey and boring clearance.
- Environmental Industrial Services Corporation (EISCO) will mobilize to the site to perform a video inspection of two onsite catch basins and a drywell to further assess the condition of these structures as well as the extents and conditions of the associated piping network.

SITE MAP

LEGEND

- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Soil Boring to Resample
- Proposed Monitoring Well to Resample
- Proposed Soil Boring/Monitoring Well
- Proposed Soil Boring
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- Anticipated Piping Route Identified During Geophysical Survey

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

Photo Log

Photo 1 – Hager-Richter performing geophysical survey in the north-central portion of the onsite parking lot, facing south.	
Photo 2 – Utility markouts in the northwest corner of the parking lot, facing southwest.	

LANGAN

DAILY STATUS REPORT

Prepared By: TJ Malgieri

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

Langan Project No:	100849501	Project:	990 Rossville Ave	Date:	9/10/2021
NYSDEC BCP Site No:	C243043			Time:	5:45 – 16:45

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** TJ Malgieri (Environmental) **Hager-Richter**: Alexis Martinez, Amanda Fabian **EISCO:** George Ortiz, Felix Guillen, Benny Lopez

Site Activities

- Langan mobilized to the site with Hager Richter Geoscience, Inc. (Hager-Richter), the geophysical survey contractor, and Environmental Industrial Services Corporation (EISCO), the video inspection contractor.
- Hager-Richter performed a geophysical survey to clear on-site and off-site boring locations, mark utilities, and identify the extents of the onsite catch basin network within the central, southern, southeastern, and eastern portions of the site.
- EISCO performed cleaning and video inspections of two on-site catch basins within the southern and western portions of the site and one dry well within the southern portion of the site to further assess the condition of these structures as well as the extents and conditions of associated piping and the on-site network of catch basins. All waste generated during cleaning was stored on-site within United Nations/Department of Transportation (UN/DOT)-approved 55-gallon drums in preparation for future off-site disposal.
    - 6-inch stormwater pipes associated with the catch basins behind the drycleaner and within the southern portion of the site within the vicinity of the drywell were video inspected and observed to be in good condition. Cracks in the piping were not observed. The invert of the piping associated with the catch basin behind the dry cleaner was identified at 2.5-feet below grade surface (bgs), while the invert of the pipe associated with the catch basin within the vicinity of the drywell was identified at approximately 5-feet bgs.
    - The invert of the 12-inch diameter pipe leading into the dry well was identified at approximately 5-feet bgs. Due to limited accessibility and health and safety concerns, the piping could not be video inspected, however based on its orientation within the well it appears to run towards the southeast corner of the shopping center building, towards the building's rooftop drainage system.

Community Air Monitoring Program (CAMP)

- Langan did not implement CAMP as no soil disturbance occurred.

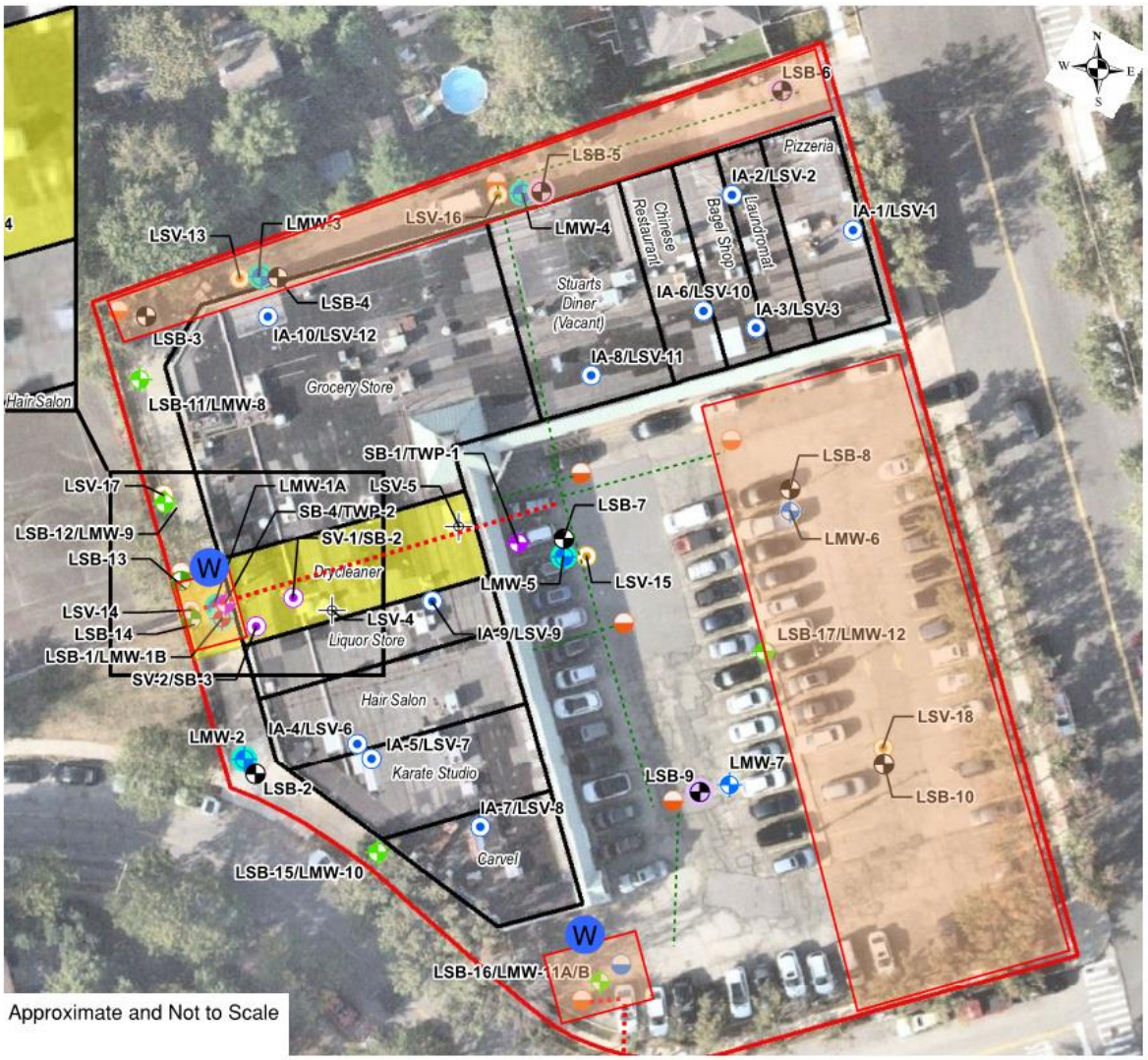
Problems Encountered

- None

Activities Scheduled for Next Day

- AARCO Environmental will mobilize to the site to begin installation of soil borings, groundwater monitoring wells, and temporary soil vapor points.

SITE MAP



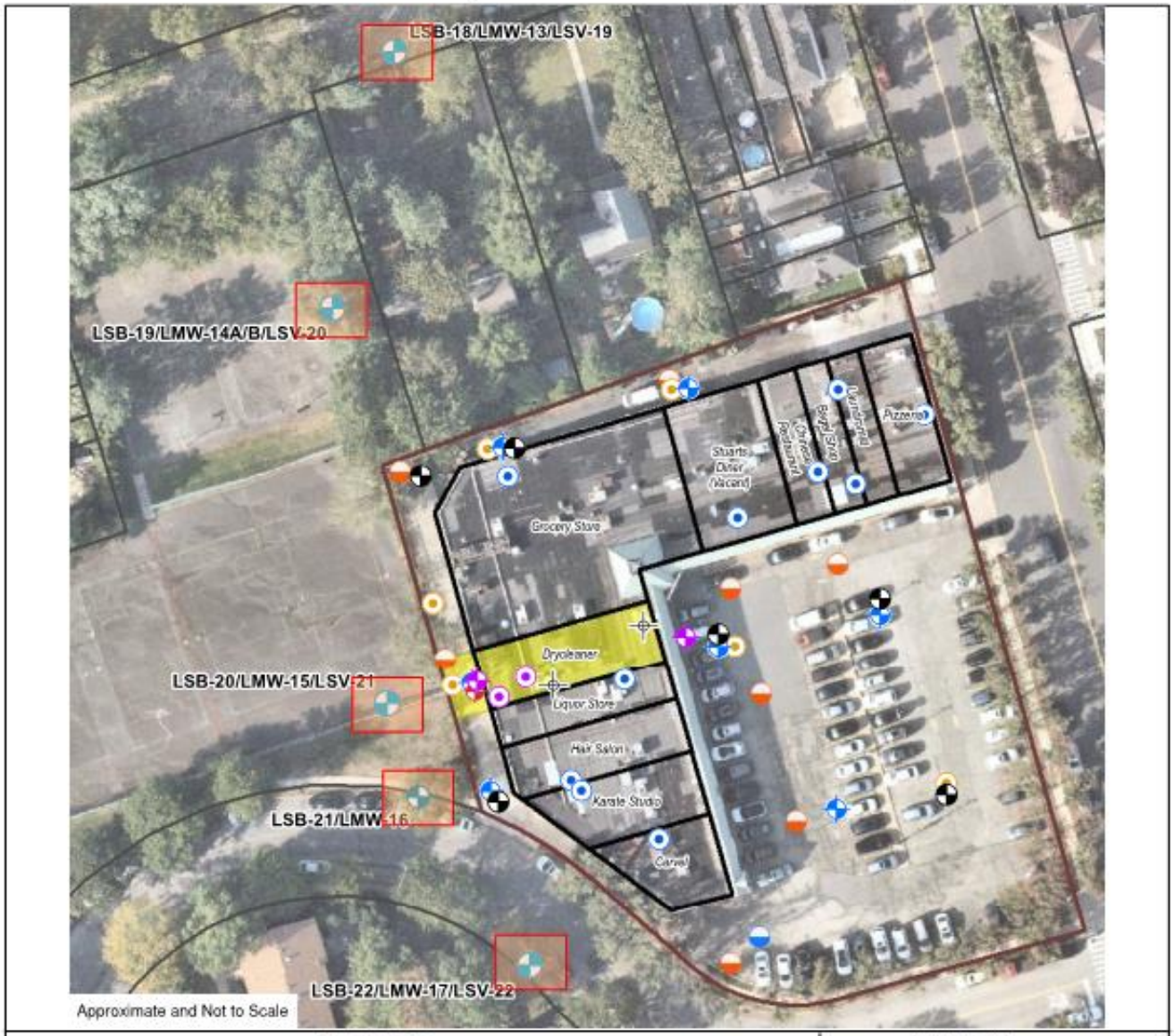
LEGEND

- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Soil Boring to Resample
- Proposed Monitoring Well to Resample
- Proposed Soil Boring/Monitoring Well
- Proposed Soil Boring
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- Anticipated Piping Route Identified During Geophysical Survey
- Confirmed Piping Route Identified During Video Survey
- W — Work Zone Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

SITE MAP (OFFSITE LOCATIONS)



LEGEND

- Tax Parcel Boundary
- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Off-Site Soil Boring/Monitoring Well/Temporary Soil Vapor Point
- Proposed Off-Site Soil Boring/Monitoring Well
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- W Work Zone Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

Photo Log

Photo 1 – Hager-Richter performing geophysical survey within the northeastern portion of the on-site parking lot, facing southeast	
Photo 2 – View of the southern catch basin within the vicinity of the drywell prior to cleaning and video inspection, facing southwest.	

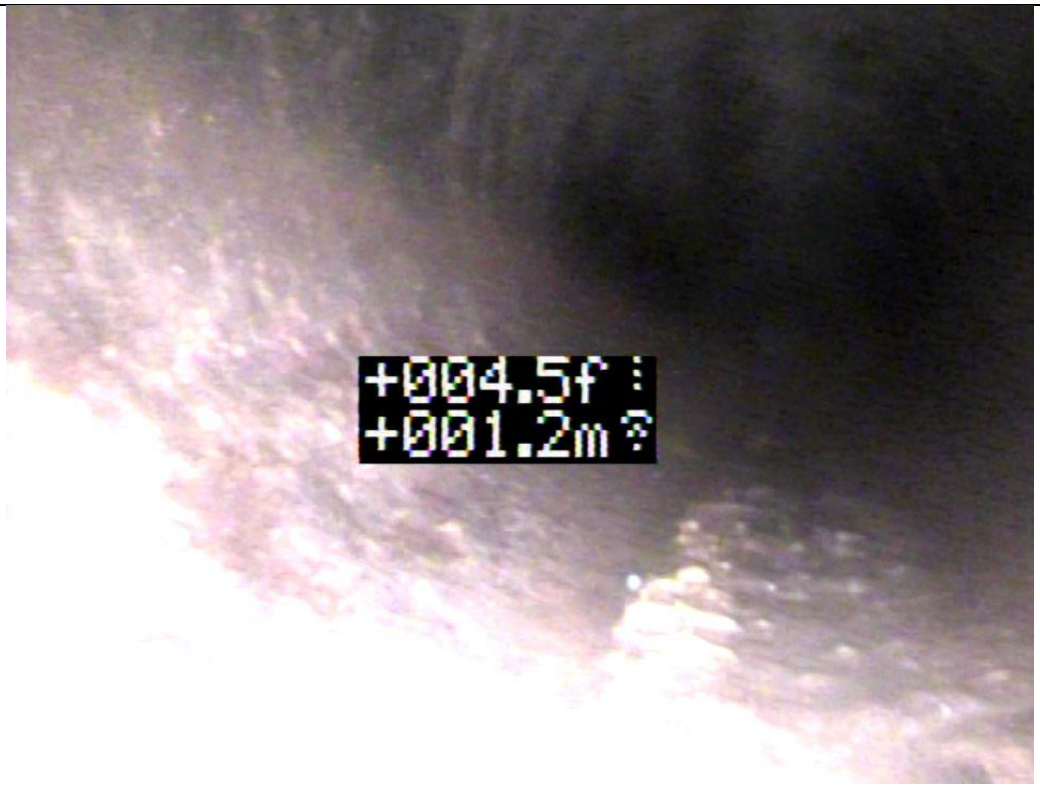
Photo 3 – View of the southern catch basin within the vicinity of the drywell after cleaning by EISCO, facing southwest.	
Photo 4 – View of the piping associated with the southern catch basin in the southern portion of the site with no cracks observed, facing east.	

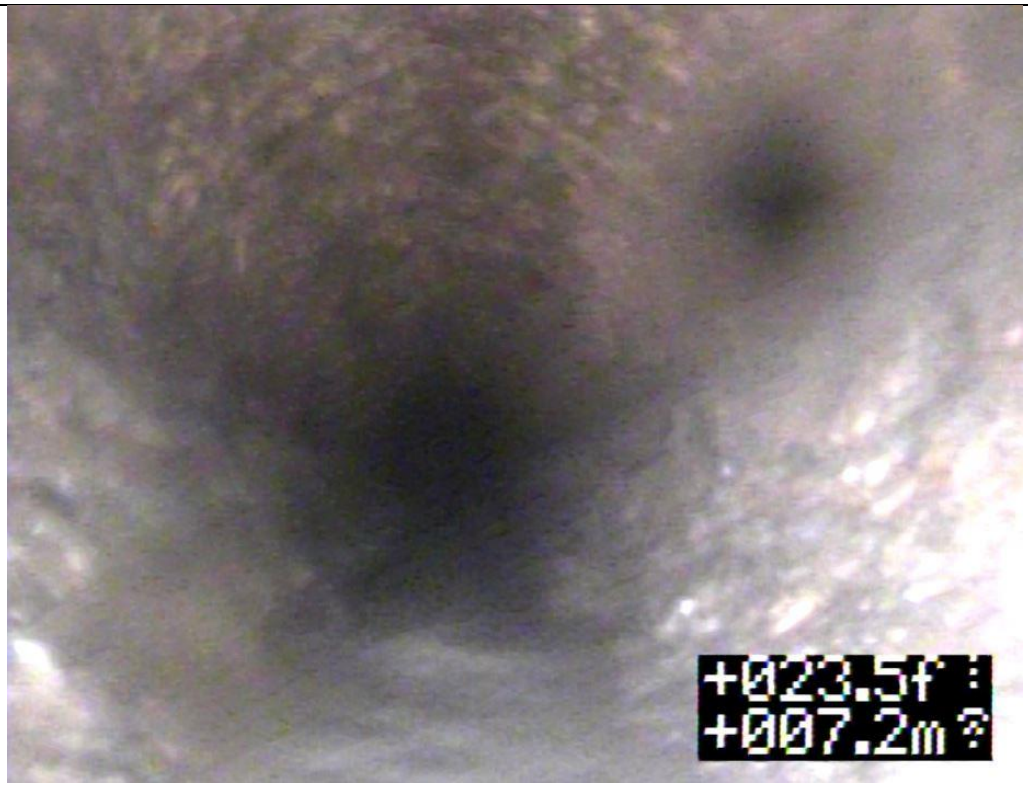
Photo 5 – View of the piping associated with the western catch basin behind the drycleaner with no observed cracks, facing east.	
Photo 6 - View of the drywell located within the southern portion of the site prior to cleaning by EISCO, facing south.	

Photo 7 – View of the drywell after cleaning by EISCO. The walls of the drywell appear to be in good condition with no visible cracking, facing northeast.	

LANGAN

DAILY STATUS REPORT

Prepared By: TJ Malgieri

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

Langan Project No:	100849501	Project:	990 Rossville Ave	Date:	9/13/2021
NYSDEC BCP Site No:	C243043			Time:	6:45 – 15:45

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** TJ Malgieri (Environmental) **AARCO Environmental:** Jose Garcia and Willie Cabrerra

Site Activities

- AARCO used a track-mounted Geoprobe 7822DT direct push drill rig to advance soil boring locations LSB-12, LSB-13, LSB-14 and LSB-16 to a depth of about 25 feet below ground surface (bgs). Langan collected one soil sample from each of the soil boring locations LSB-12 and LSB-14 and two soil samples from LSB-13 and LSB-16. All soil borings were hand cleared to 6 feet bgs prior to drilling.
- AARCO installed monitoring wells LMW-9 and LMW-11A at boring locations LSB-12 and LSB-16, respectively. Monitoring wells were constructed using 2-inch-diameter polyvinyl chloride (PVC) riser pipe attached to 10-foot long Schedule 40, 0.010-inch slotted, 2-inch-diameter, pre-packed screen. The monitoring wells were installed to bottom depths of 16 feet bgs (LMW-11A) and 23 feet bgs (LMW-9) so that well screens straddle the water table encountered at approximately 11 to 20 feet bgs.

Samples Collected

- The following soil samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), herbicides, pesticides, cyanide, target analyte list (TAL) metals, hexavalent and trivalent chromium, polyfluoroalkyl substances (PFAS), and 1, 4-dioxane. The samples were submitted to Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Westborough, Massachusetts.

083_LSB-16A	084_LSB-16B	085_LSB-14A
086_LSB-13A	087_LSB-13B	088_LSB-12

- Trip Blank 089_TB01_09132021 was collected and submitted for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

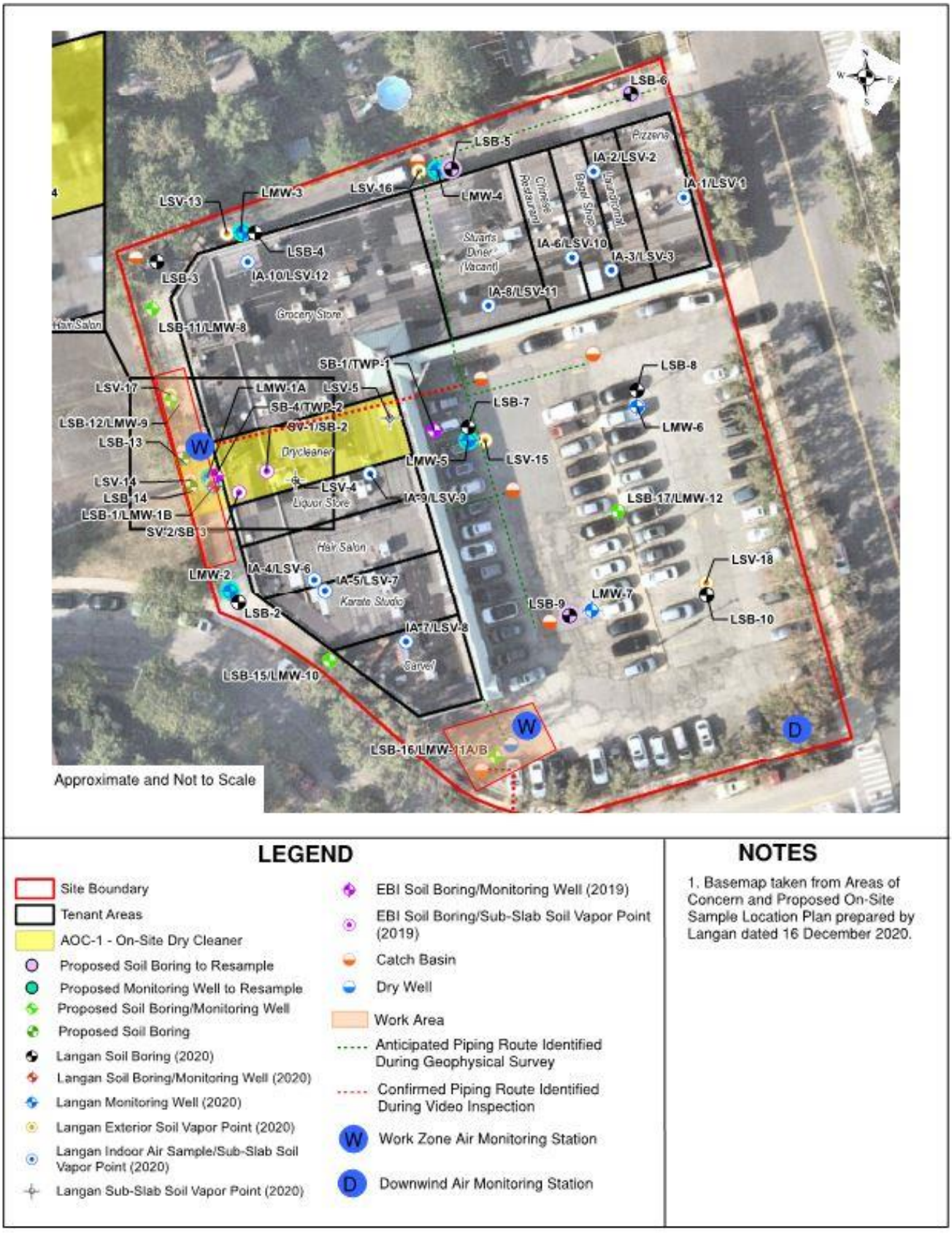
Problems Encountered

- None

Activities Scheduled for Next Day

- AARCO Environmental will continue installing soil borings, groundwater monitoring wells, and temporary soil vapor points.

SITE MAP



LEGEND

- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Soil Boring to Resample
- Proposed Monitoring Well to Resample
- Proposed Soil Boring/Monitoring Well
- Proposed Soil Boring
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- Anticipated Piping Route Identified During Geophysical Survey
- Confirmed Piping Route Identified During Video Inspection
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

SITE MAP (OFFSITE LOCATIONS)

LEGEND

- Tax Parcel Boundary
- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Off-Site Soil Boring/Monitoring Well/Temporary Soil Vapor Point
- Proposed Off-Site Soil Boring/Monitoring Well
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- W Work Zone Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

Photo Log

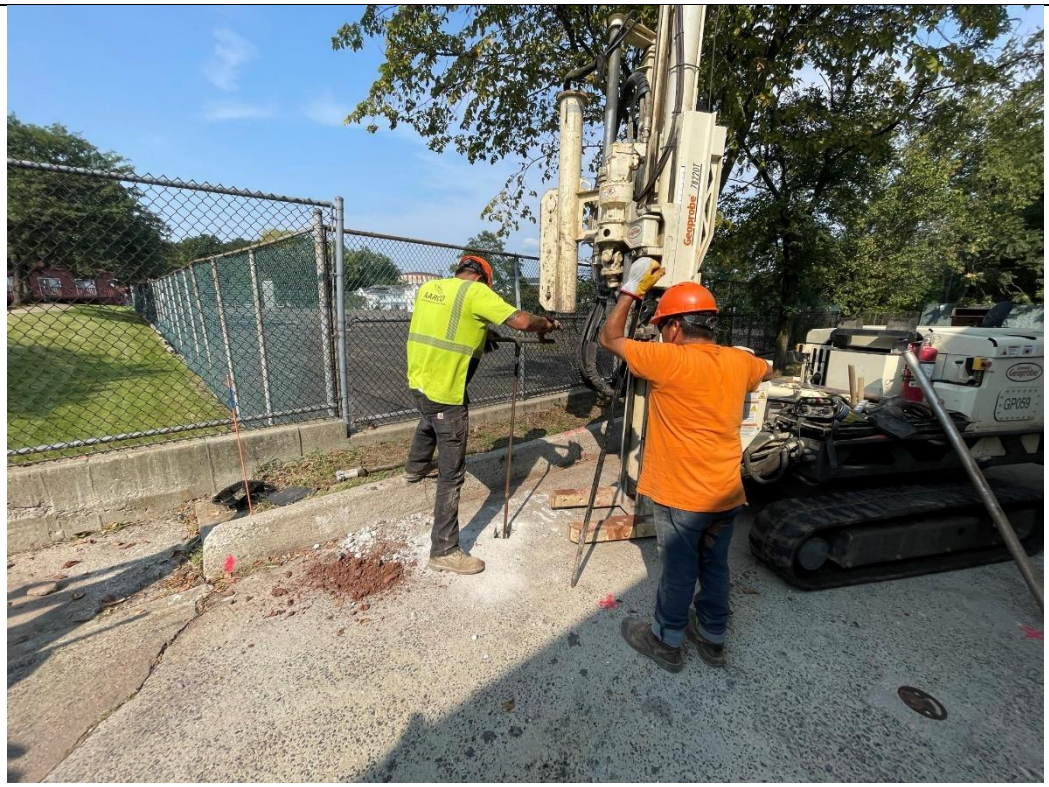
Photo 1 – View of AARCO hand clearing soil boring LSB-14 to 6 feet bgs, facing northwest.	
Photo 2 – View of material from LSB-13 within the western portion of the site, facing east.	

Photo 3 – View of completed soil boring LSB-16 within the southern portion of the site prior to monitoring well installation, facing south.	
Photo 4 – View of completed installation of LMW-11A within the southern portion of the site, facing north.	

LANGAN

DAILY STATUS REPORT

Prepared By: TJ Malgieri

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

Langan Project No:	100849501	Project:	990 Rossville Ave	Date:	9/14/2021
NYSDEC BCP Site No:	C243043			Time:	6:45 – 14:45

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** TJ Malgieri (Environmental) **AARCO Environmental:** Jose Garcia and Willie Cabrerra

Site Activities

- AARCO used a track-mounted Geoprobe 7822DT direct push drill rig to advance soil boring location LSB-14 to a depth of about 30 feet below ground surface (bgs). Langan collected one soil sample from LSB-14. The soil boring was hand cleared to 6 feet bgs prior to drilling.
- AARCO hand cleared five soil boring locations (LSB-5, LSB-6, LSB-9, LSB-11, and LSB-15) to a maximum depth of 6 feet bgs. Soil samples were collected from the two foot interval below current site cover at LSB-5, LSB-6 and LSB-9 from 0.5 to 2.5 feet bgs.

Samples Collected

- The following soil samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), herbicides, pesticides, cyanide, target analyte list (TAL) metals, hexavalent and trivalent chromium, polyfluoroalkyl substances (PFAS), and 1,4-dioxane. The samples were submitted to Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Westborough, Massachusetts.

090_LSB-14B	091_LSB-5A_091421	092_LSB-6A_091421	093_LSB-9B_091421

- Trip Blank 094_TB02_09142021 was collected and submitted for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

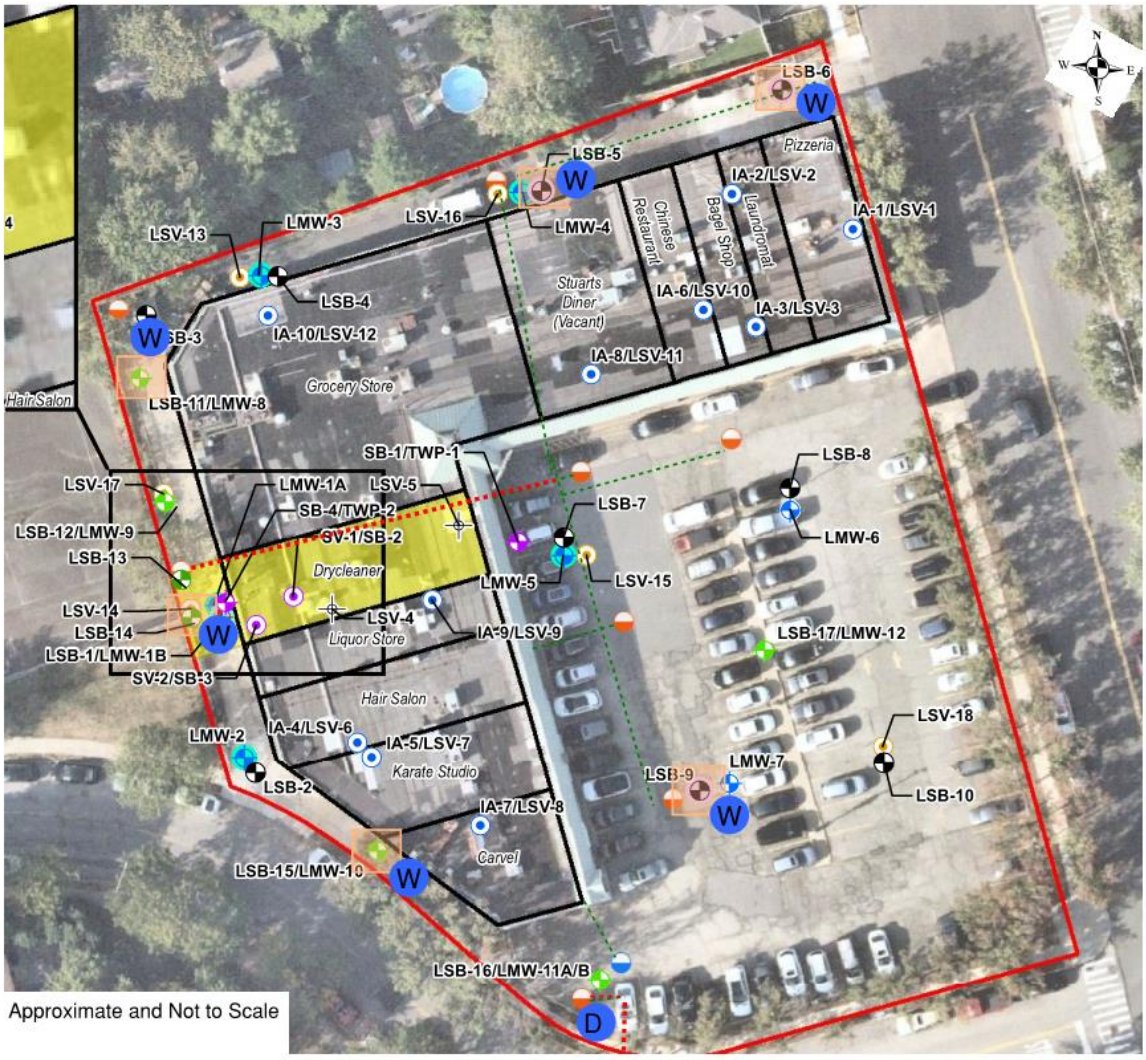
Problems Encountered

- AARCO's track mounted rig broke down after completing LSB-14. AARCO hand cleared boring locations to be drilled on 9/15/2021.

Activities Scheduled for Next Day

- AARCO will continue installing soil borings, groundwater monitoring wells, and temporary soil vapor points.

SITE MAP



LEGEND

- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Soil Boring to Resample
- Proposed Monitoring Well to Resample
- Proposed Soil Boring/Monitoring Well
- Proposed Soil Boring
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- Anticipated Piping Route Identified During Geophysical Survey
- Confirmed Piping Route Identified During Video Inspection
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

SITE MAP (OFFSITE LOCATIONS)

LEGEND

- Tax Parcel Boundary
- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Off-Site Soil Boring/Monitoring Well/Temporary Soil Vapor Point
- Proposed Off-Site Soil Boring/Monitoring Well
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- W Work Zone Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

Photo Log

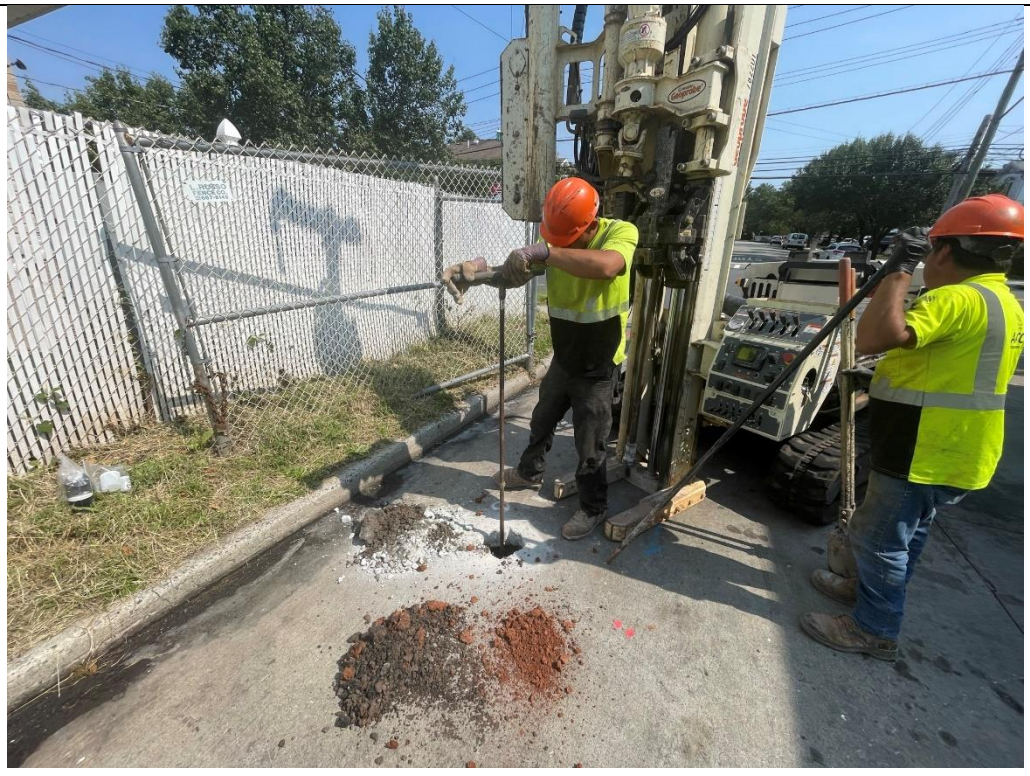
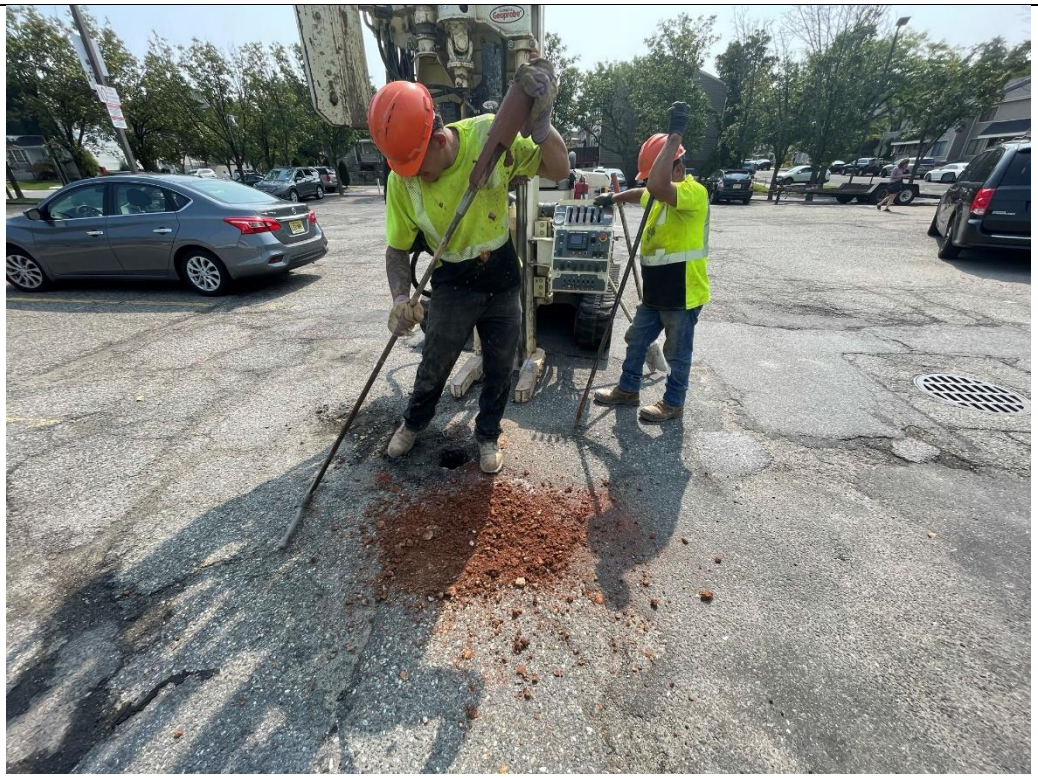
Photo 1 – View of AARCO breaking site cover to conduct hand clearing at LSB-11, facing southwest.	
Photo 2 – View of AARCO hand clearing LSB-6, facing northeast.	

Photo 3 – View of AARCO hand clearing LSB-9, facing south.	

LANGAN

DAILY STATUS REPORT

Prepared By: TJ Malgieri

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

Langan Project No:	100849501	Project:	990 Rossville Ave	Date:	9/15/2021
NYSDEC BCP Site No:	C243043			Time:	6:45 – 14:45

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** TJ Malgieri (Environmental) **AARCO Environmental:** Jose Garcia and Willie Cabrerra

Site Activities

- AARCO used a track-mounted AMS Powerprobe 9400 direct push drill rig to advance soil boring locations LSB-5, LSB-6, LSB-9 and LSB-11 to a depth of about 25 feet below ground surface (bgs). Langan collected one soil sample from each of the soil boring locations LSB-5, LSB-6, LSB-9, and LSB-11. All soil borings were hand cleared to 6 feet bgs prior to drilling.
- AARCO installed monitoring well LMW-8 at boring location LSB-11. The monitoring well was constructed using 2-inch-diameter polyvinyl chloride (PVC) riser pipe attached to 10-foot long Schedule 40, 0.010-inch slotted, 2-inch-diameter, pre-packed screen. The monitoring well was installed to a bottom depth of 15 bgs so that the well screen straddles the water table encountered at approximately 10 feet bgs.

Samples Collected

- The following soil samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), herbicides, pesticides, cyanide, target analyte list (TAL) metals, hexavalent and trivalent chromium, polyfluoroalkyl substances (PFAS), and 1, 4-dioxane. The samples were submitted to Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Westborough, Massachusetts.

095_LSB-6B	096_LSB-5B	097_LSB-11	098_LSB-9B

- Trip Blank 100_TB03_09152021 was collected and submitted for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

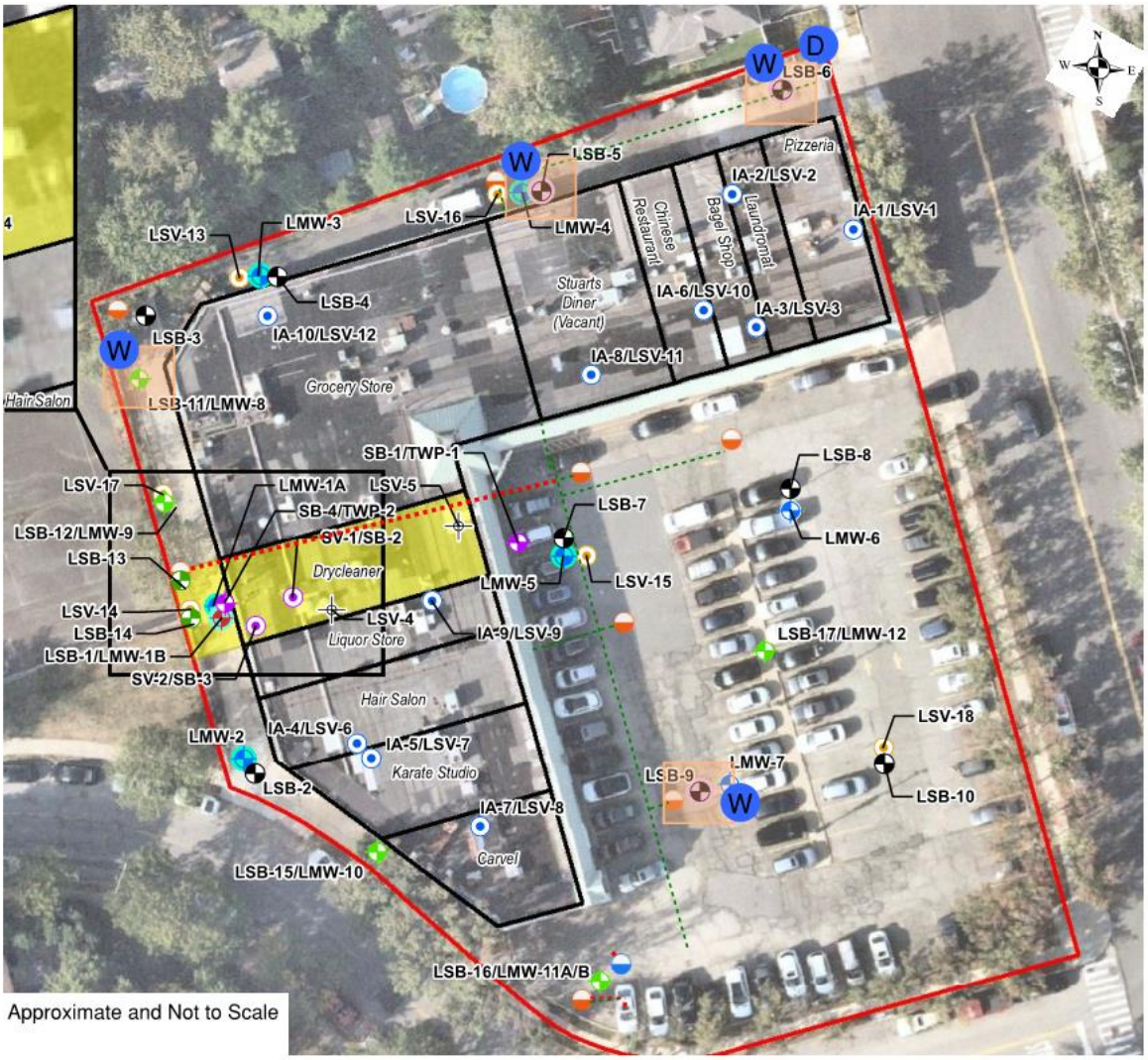
Problems Encountered

- None

Activities Scheduled for Next Day

- AARCO Environmental will continue installing soil borings, groundwater monitoring wells, and temporary soil vapor points.

SITE MAP



LEGEND

- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Soil Boring to Resample
- Proposed Monitoring Well to Resample
- Proposed Soil Boring/Monitoring Well
- Proposed Soil Boring
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- Anticipated Piping Route Identified During Geophysical Survey
- Confirmed Piping Route Identified During Video Inspection
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

SITE MAP (OFFSITE LOCATIONS)

LEGEND

- Tax Parcel Boundary
- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Off-Site Soil Boring/Monitoring Well/Temporary Soil Vapor Point
- Proposed Off-Site Soil Boring/Monitoring Well
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- W Work Zone Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

Photo Log

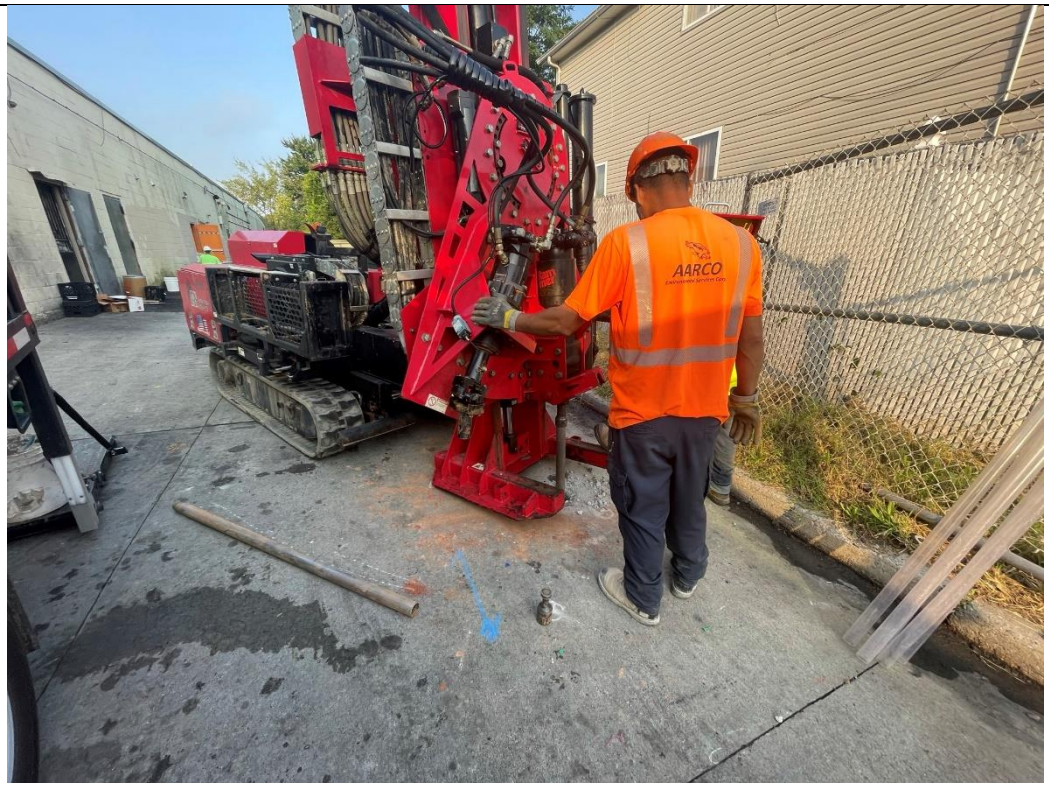
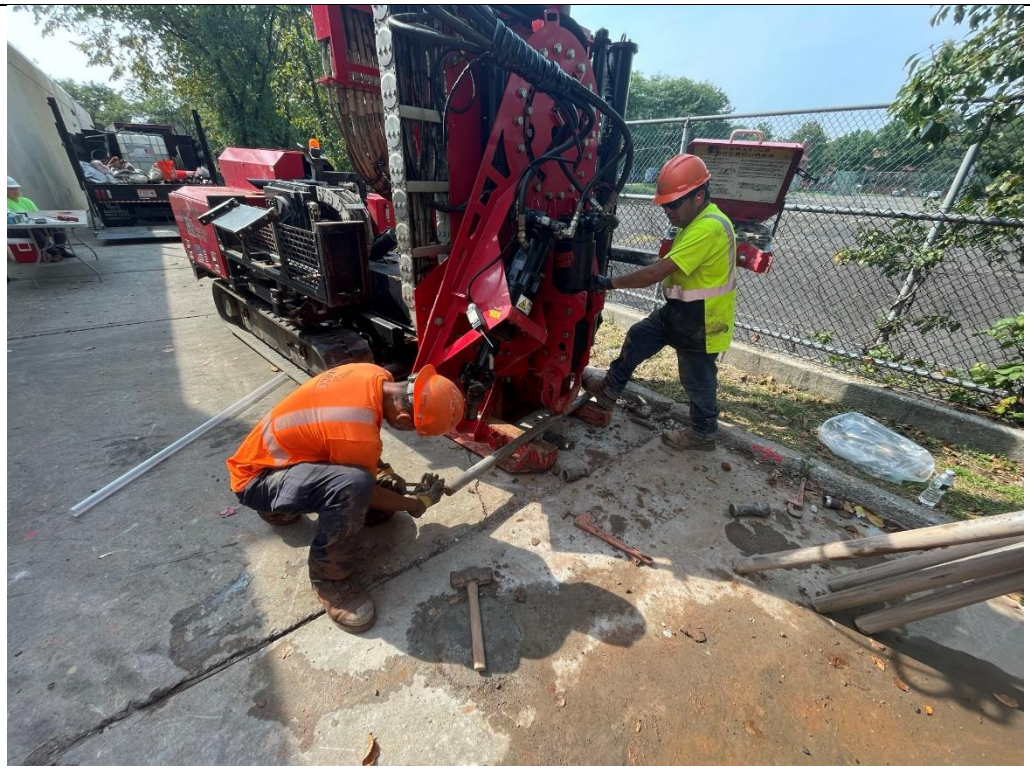
Photo 1 – View of AARCO drilling LSB-6, facing west.	
Photo 2 – View of AARCO removing material from LSB-11, facing southwest.	

Photo 3 – View of material from LSB-11, facing north.	
Photo 4 – View of fully installed monitoring well LMW-8, facing north.	

LANGAN

DAILY STATUS REPORT

Prepared By: TJ Malgieri

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

Langan Project No:	100849501	Project:	990 Rossville Ave	Date:	9/16/2021
NYSDEC BCP Site No:	C243043			Time:	6:45 – 14:45

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** TJ Malgieri (Environmental) **AARCO Environmental:** Jose Garcia and Joseph Garcia

Site Activities

- AARCO used a track-mounted AMS Powerprobe 9400 direct push drill rig to advance soil boring locations LSB-21 and LSB-22 to a depth of about 25 feet below ground surface (bgs). Langan collected one soil sample from each of the soil boring locations LSB-21 and LSB-22. All soil borings were hand cleared to 6 feet bgs prior to drilling.

Samples Collected

- The following soil samples were collected and submitted to the laboratory to be analyzed for chlorinated volatile organic compounds (CVOCs). The samples were submitted to Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Westborough, Massachusetts.

100_LSB-21	101_LSB-22

- Trip Blank 103_TB04_09122021 was collected and submitted for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

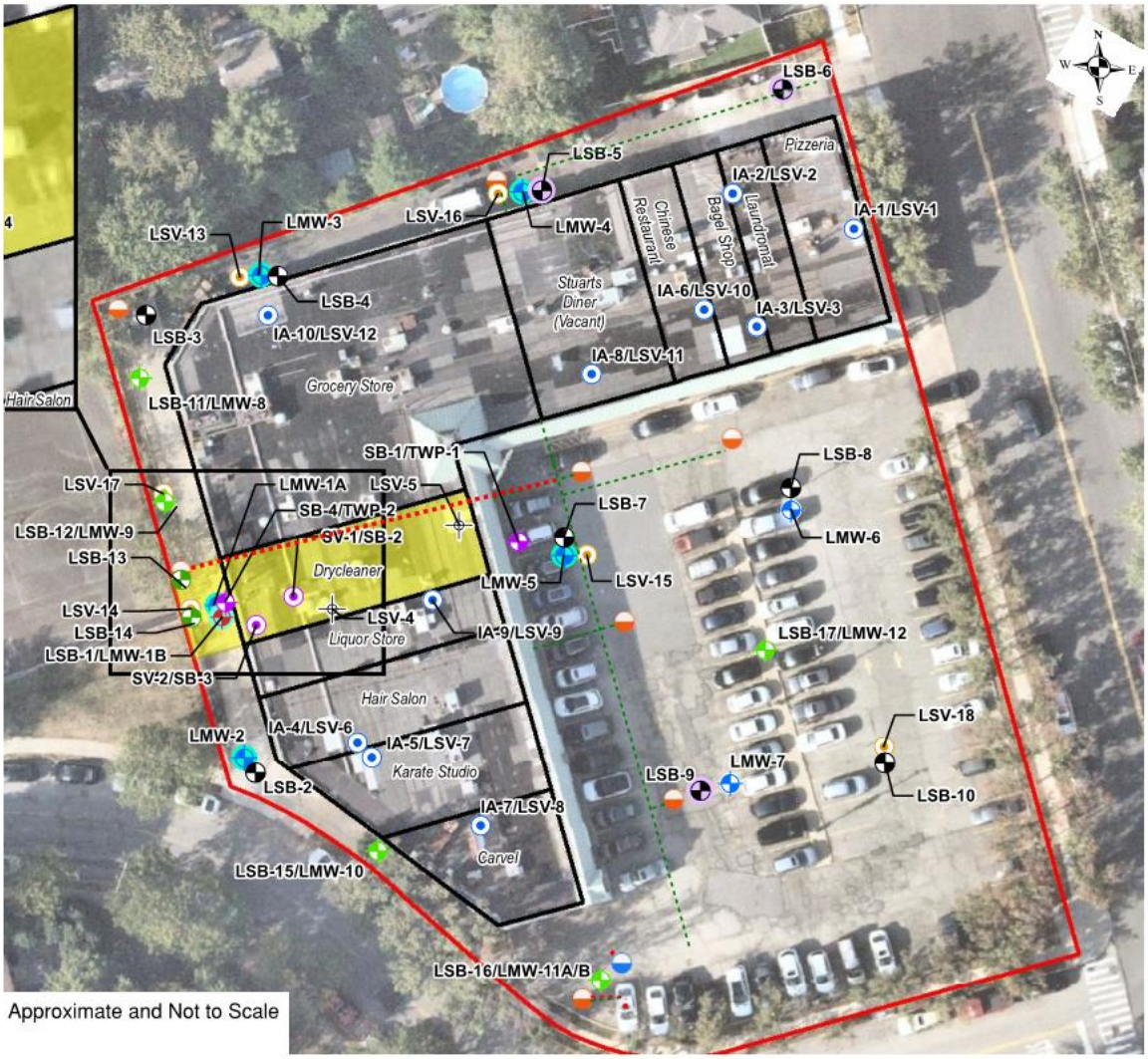
Problems Encountered

- None

Activities Scheduled for Next Day

- AARCO Environmental will continue installing soil borings, groundwater monitoring wells, and temporary soil vapor points.

SITE MAP



LEGEND

- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Soil Boring to Resample
- Proposed Monitoring Well to Resample
- Proposed Soil Boring/Monitoring Well
- Proposed Soil Boring
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- Anticipated Piping Route Identified During Geophysical Survey
- Confirmed Piping Route Identified During Video Inspection
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

SITE MAP (OFFSITE LOCATIONS)

LEGEND

- Tax Parcel Boundary
- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Off-Site Soil Boring/Monitoring Well/Temporary Soil Vapor Point
- Proposed Off-Site Soil Boring/Monitoring Well
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

Photo Log

Photo 1 – View of AARCO breaking the site cover at LSB-21, facing northwest.	
Photo 2 – View of AARCO preparing to hand clear LSB-21, facing west.	

Photo 3 – View of AARCO advancing a macrocore at LSB-21, facing west.	
Photo 4 – View of material from LSB-21, facing west.	

LANGAN

DAILY STATUS REPORT

Prepared By: TJ Malgieri

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

Langan Project No:	100849501	Project:	990 Rossville Ave	Date:	9/17/2021
NYSDEC BCP Site No:	C243043			Time:	6:45 – 14:45

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** TJ Malgieri (Environmental) **AARCO Environmental:** Jose Garcia and Willie Cabrerra

Site Activities

- AARCO used a track-mounted AMS Powerprobe 9400 direct push drill rig to advance soil boring locations LSB-15 and LSB-18 to a depth of about 25 feet below ground surface (bgs). Langan collected one soil sample from each soil boring location. All soil borings were hand cleared to 6 feet bgs prior to drilling.
- AARCO installed monitoring wells LMW-10, LMW-13, LMW-16, and LMW-17 at boring locations LSB-15, LSB-18, LSB-21, and LSB-22, respectively. Monitoring wells were constructed using 2-inch-diameter polyvinyl chloride (PVC) riser pipe attached to 10-foot long Schedule 40, 0.010-inch slotted, 2-inch-diameter, pre-packed screen. The monitoring wells were installed to bottom depths of 20 feet bgs (LMW-10), 13 feet bgs (LMW-13), 23 feet bgs (LMW-16) and 16 feet bgs (LMW-17) so that well screens straddle the water table encountered at approximately 8 to 18 feet bgs.

Samples Collected

- The following soil sample was collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), herbicides, pesticides, cyanide, target analyte list (TAL) metals, hexavalent and trivalent chromium, polyfluoroalkyl substances (PFAS), and 1, 4-dioxane. The samples were submitted to Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Westborough, Massachusetts.

  104_LSB-15B

- The following soil samples were collected and submitted to the laboratory to be analyzed for chlorinated volatile organic compounds (CVOCs). The sample was submitted to Alpha Analytical, a NYSDOH ELAP-certified laboratory located in Westborough, Massachusetts.

  105_LSB-18B

- Trip Blank 106_TB05_0917021 was collected and submitted for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

Problems Encountered

- None

Activities Scheduled for Next Day

- AARCO Environmental will continue installing soil borings, groundwater monitoring wells, and temporary soil vapor points.

SITE MAP

LEGEND

- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Soil Boring to Resample
- Proposed Monitoring Well to Resample
- Proposed Soil Boring/Monitoring Well
- Proposed Soil Boring
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- Anticipated Piping Route Identified During Geophysical Survey
- Confirmed Piping Route Identified During Video Inspection
- Work Zone Air Monitoring Station
- Downwind Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

SITE MAP (OFFSITE LOCATIONS)

LEGEND

- Tax Parcel Boundary
- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Off-Site Soil Boring/Monitoring Well/Temporary Soil Vapor Point
- Proposed Off-Site Soil Boring/Monitoring Well
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

Photo Log

Photo 1 – View of AARCO hand clearing LSB-15, facing east.	
Photo 2 – View of AARCO drilling LSB-15, facing east.	

Photo 3 – View of material collected from LSB-21, facing west.	
Photo 4 – View of AARCO installing monitoring well LMW-10, facing southwest.	

LANGAN

DAILY STATUS REPORT

Prepared By: TJ Malgieri

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

Langan Project No:	100849501	Project:	990 Rossville Ave	Date:	9/20/2021
NYSDEC BCP Site No:	C243043			Time:	6:45 – 14:45

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** TJ Malgieri (Environmental) **AARCO Environmental:** Jose Garcia and Willie Cabrerra

Site Activities

- AARCO used a track-mounted Geoprobe 8150 Sonic drill rig to advance soil boring location LSB-17 to a depth of about 55 feet below ground surface (bgs). Langan collected one soil sample from the soil boring location. The soil boring was hand cleared to 6 feet bgs prior to drilling.

Samples Collected

- The following soil sample was collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), herbicides, pesticides, cyanide, target analyte list (TAL) metals, hexavalent and trivalent chromium, polyfluoroalkyl substances (PFAS), and 1, 4-dioxane. The sample was submitted to Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Westborough, Massachusetts.

  107_LSB-17B

- Duplicate sample 108_SODUP01_092021 (Parent sample 107_LSB-17B) was collected and submitted for analysis of VOCs, SVOCs, PCBs, herbicides, pesticides, cyanide, TAL metals, hexavalent and trivalent chromium, PFAS, and 1, 4-dioxane.
- Trip Blank 109_TB06_092021 was collected and submitted for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

Problems Encountered

- None

Activities Scheduled for Next Day

- AARCO Environmental will continue installing soil borings, groundwater monitoring wells, and temporary soil vapor points.

SITE MAP

LEGEND

- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Soil Boring to Resample
- Proposed Monitoring Well to Resample
- Proposed Soil Boring/Monitoring Well
- Proposed Soil Boring
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- Anticipated Piping Route Identified During Geophysical Survey
- Confirmed Piping Route Identified During Video Inspection
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

SITE MAP (OFFSITE LOCATIONS)

LEGEND

- Tax Parcel Boundary
- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Off-Site Soil Boring/Monitoring Well/Temporary Soil Vapor Point
- Proposed Off-Site Soil Boring/Monitoring Well
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

Photo Log

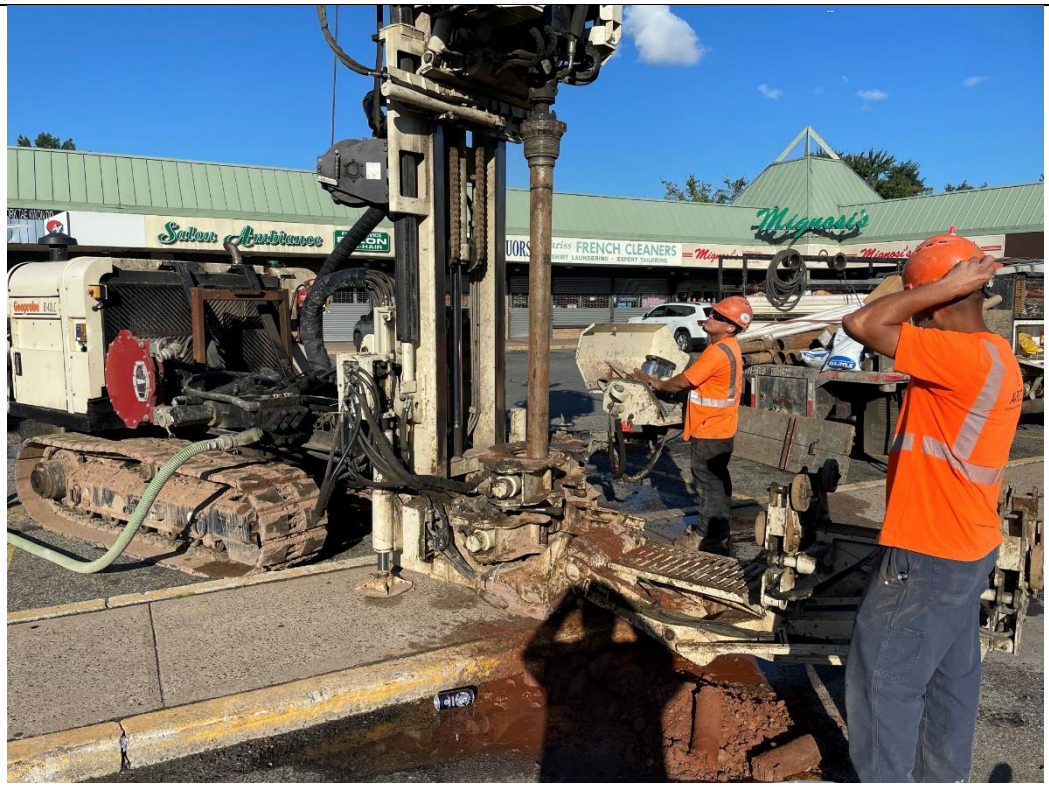
Photo 1 – View of AARCO drilling LSB-17, facing northwest.	
Photo 2 – View of AARCO drilling LSB-17, facing northwest.	

Photo 3 – View of material from LSB-17, facing east.	
Photo 4 – View of sand encountered within LSB-17 at 37-feet bgs, facing west.	

LANGAN

DAILY STATUS REPORT

Prepared By: TJ Malgieri

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

Langan Project No:	100849501	Project:	990 Rossville Ave	Date:	9/21/2021
NYSDEC BCP Site No:	C243043			Time:	6:45 – 15:45

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** TJ Malgieri (Environmental) **AARCO Environmental:** Jose Garcia and Willie Cabrerra

Site Activities

- AARCO used a track-mounted Geoprobe 8150 Sonic drill rig to advance two soil boring locations, LSB-16 and LSB-17, to depths of about 50 and 65 feet below ground surface (bgs), respectively. Langan collected one soil sample from each soil boring location. The soil borings were hand cleared to 6 feet bgs prior to drilling.
- AARCO installed monitoring wells LMW-11B and LMW-12 at boring locations LSB-16 and LSB-17, respectively. Monitoring wells were constructed using 2-inch-diameter polyvinyl chloride (PVC) riser pipe attached to 10-foot long Schedule 40, 0.010-inch slotted, 2-inch-diameter, pre-packed screen. The monitoring wells were installed to bottom depths of 41 feet bgs (LMW-11B) and 48 feet bgs (LMW-12) so that well screens were placed within an undifferentiated sand layer identified below confining clay layers encountered at 31 and 38 feet bgs, respectively.

Samples Collected

- The following soil samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), herbicides, pesticides, cyanide, target analyte list (TAL) metals, hexavalent and trivalent chromium, polyfluoroalkyl substances (PFAS), and 1, 4-dioxane. The samples were submitted to Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Westborough, Massachusetts.

110_LSB-17A	112_LSB-16A-2

- Duplicate sample 113_SODUP01_092121 (Parent sample 110_LSB-17A) was collected and submitted for analysis of VOCs, SVOCs, PCBs, herbicides, pesticides, cyanide, TAL metals, hexavalent and trivalent chromium, PFAS, and 1, 4-dioxane.
- Trip Blank 114_TB07_092121 was collected and submitted for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

Problems Encountered

- None

Activities Scheduled for Next Day

- AARCO Environmental will continue installing soil borings, groundwater monitoring wells, and temporary soil vapor points.

SITE MAP

LEGEND

- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Soil Boring to Resample
- Proposed Monitoring Well to Resample
- Proposed Soil Boring/Monitoring Well
- Proposed Soil Boring
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- Anticipated Piping Route Identified During Geophysical Survey
- Confirmed Piping Route Identified During Video Inspection
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

SITE MAP (OFFSITE LOCATIONS)

LEGEND

- Tax Parcel Boundary
- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Off-Site Soil Boring/Monitoring Well/Temporary Soil Vapor Point
- Proposed Off-Site Soil Boring/Monitoring Well
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station

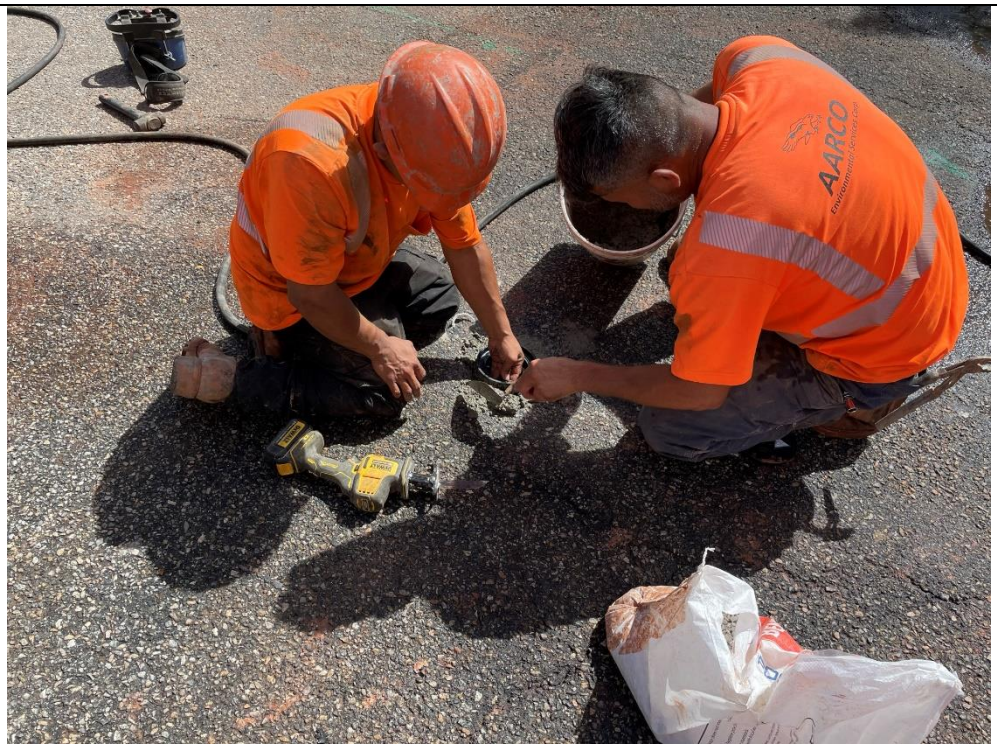
NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

LANGAN

Photo Log

Photo 1 – View of AARCO drilling LSB-16, facing northeast.	
Photo 2 – View of material from LSB-16 with circled area showing the undifferentiated sand encountered at 31 feet bgs, facing southwest.	

Photo 3 – View of a second confining clay layer at 65 feet bgs identified below the undifferentiated sand within LSB-17, facing east.	
Photo 4 – View of AARCO installing monitoring well LMW-11B, facing southeast.	

LANGAN

DAILY STATUS REPORT

Prepared By: TJ Malgieri

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

Langan Project No:	100849501	Project:	990 Rossville Ave	Date:	9/23/2021
NYSDEC BCP Site No:	C243043			Time:	6:45 – 17:45

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** TJ Malgieri (Environmental) **EISCO:** George Ortiz, Felix Guillen, Benny Lopez

Site Activities

- EISCO performed cleaning and video inspections of three on-site catch basins within the central and southern portions of the site and one dry well within the southern portion of the site to further assess the condition of these structures as well as the extents and conditions of associated piping and the on-site network of catch basins.
    - The 12-inch stormwater trunk line associated with the catch basins located within the on-site parking lot was video inspected and observed to be in good condition. Cracks in the piping were not observed. Based on the sloping of the trunk line observed, stormwater from the catch basins located behind the drycleaner and in the parking lot was confirmed to ultimately flow towards the south of the site into the on-site dry well and off-site sewer connection. Large quantities of sediment, which could not be flushed with water, were encountered within the southern portion of the trunk line and prevented video inspection of an approximately 25 foot section of piping.
    - A piping connection between the southern dry well and southern catch basin was observed, therefore confirming the connection of the dry well to the on-site network of catch basins.
    - A dye test was completed to identify the origin of additional influent piping to the southern dry well. The on-site building's rooftop drainage was confirmed to drain to the dry well.
    - A sewer connection from the southernmost catch basin was identified crossing the southern site boundary and leading to both a main sewer connection and overflow basin below Grafe Street. The piping connection to the main sewer and overflow basin were video inspected and observed to be in good condition. Cracks in the piping were not observed.
    - An additional drainage basin structure connecting the trunk line and southernmost catch basin was identified within the southern portion of the site. The manhole to access the structure was observed to be in poor condition and covered with asphalt, therefore the structure was inaccessible for further inspection.

Samples Collected

- None

Community Air Monitoring Program (CAMP)

- CAMP was not implemented due to a lack of soil intrusive activities.

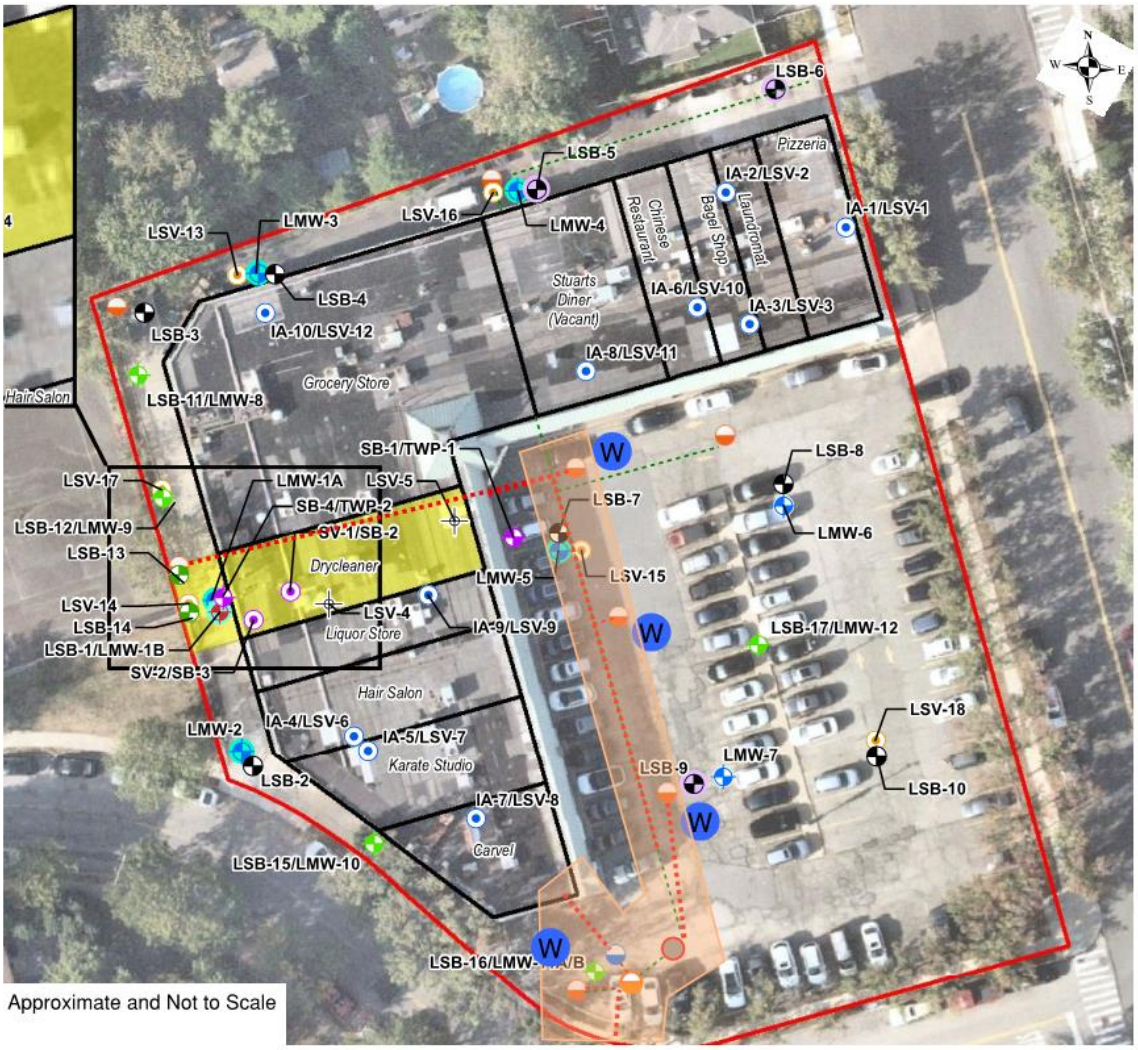
Problems Encountered

- None

Activities Scheduled for Next Day

- AARCO Environmental will continue installing soil borings, groundwater monitoring wells, and temporary soil vapor points.

SITE MAP



LEGEND

- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Soil Boring to Resample
- Proposed Monitoring Well to Resample
- Proposed Soil Boring/Monitoring Well
- Proposed Soil Boring
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- Anticipated Piping Route Identified During Geophysical Survey
- Confirmed Piping Route Identified During Video Inspection
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station
- Inaccessible Drainage Structure

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

SITE MAP (OFFSITE LOCATIONS)

LEGEND

- Tax Parcel Boundary
- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Off-Site Soil Boring/Monitoring Well/Temporary Soil Vapor Point
- Proposed Off-Site Soil Boring/Monitoring Well
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

Photo Log

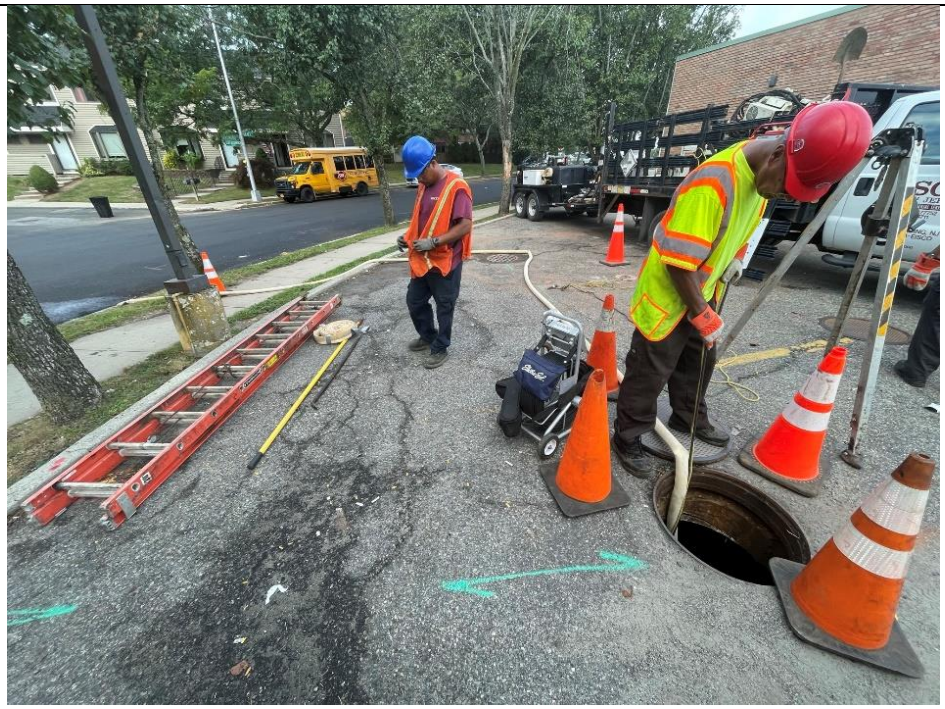
Photo 1 – View of EISCO preparing to enter the southern drainage basin for video inspection, facing west.	
Photo 2 – View of dye test conducted tracing the roof drains to the dry well, facing northwest.	

Photo 3 – View of the catch basin located in front of the hair salon with video inspection equipment visible, facing northeast.	
Photo 4 – View of the drainage pipe leading to the sewer connection from the southern drainage basin, facing south.	

LANGAN

DAILY STATUS REPORT

Prepared By: TJ Malgieri

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

Langan Project No:	100849501	Project:	990 Rossville Ave	Date:	9/24/2021
NYSDEC BCP Site No:	C243043			Time:	6:45 – 15:45

Consultant:	**PERSONNEL ON SITE:**
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.	**Langan:** TJ Malgieri (Environmental) **AARCO Environmental:** Jose Garcia and Willie Cabrerra

Site Activities

- AARCO used a track-mounted Geoprobe 8150 Sonic drill rig to advance two soil boring locations, LSB-19 and LSB-20, to depths of about 50 feet below ground surface (bgs) and 25 feet bgs, respectively. Langan collected two soil samples from each soil boring location. The soil borings were hand cleared to 6 feet bgs prior to drilling.
- AARCO used a track mounted Geoprobe 7782DT tack mounted drill rig to advance an additional soil boring location, LSB-23, to a maximum depth of about 25 feet bgs in order to assess subsurface conditions within the vicinity of the portion of the trunk line and drainage structure that were not accessible for video inspection. Langan collected four soil samples from this location. The soil boring was hand cleared to 6 feet bgs prior to drilling.
- AARCO used a track mounted Geoprobe 7782DT track mounted drill rig to advance six soil boring locations, LSB-11, LSB-12, LSB-15, LSB-18, LSB-21 and LSB-22 to a maximum depth of 2 feet bgs. Langan collected one soil sample from each soil boring location.
- AARCO installed monitoring wells LMW-14A/LMW-14B and LMW-15 at boring locations LSB-19 and LSB-20, respectively. Monitoring wells were constructed using 2-inch-diameter polyvinyl chloride (PVC) riser pipe attached to 10-foot long Schedule 40, 0.010-inch slotted, 2-inch-diameter, pre-packed screen. Monitoring well LMW-14B was installed to a bottom depth of 41 feet bgs so that the well screen was placed within an undifferentiated sand layer identified below a confining clay layer encountered at 31 feet bgs. LMW-14A and LMW15 were installed to bottom depths of between 11 feet bgs and 12 feet bgs to straddle the ground water table. These three wells and all remaining wells installed during the Remedial Investigation were developed.
- AARCO installed soil vapor points LSV-19, LSV-20, LSV-21, and LSV-22. Soil vapor monitoring points were installed to depths between 5 feet bgs and 8 feet bgs, located immediately above observed groundwater depths identified in nearby soil borings and groundwater monitoring wells.

Samples Collected

- The following soil samples were collected and submitted to the laboratory to be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), herbicides, pesticides, cyanide, target analyte list (TAL) metals, hexavalent and trivalent chromium, polyfluoroalkyl substances (PFAS), and 1, 4-dioxane. The samples were submitted to Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Westborough, Massachusetts.

115_LSB23A	116_LSB23B	117_LSB23C	121_LSB15A
124_LSB12A	127_LSB11A	129_LSB23D (On Hold)	

- The following soil samples were collected and submitted to the laboratory to be analyzed for chlorinated volatile organic compounds (CVOCs). The samples were submitted to Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Westborough, Massachusetts.

118_LSB18A	119_LSB19A	120_LSB19B	122_LSB22A
123_LSB21A	125_LSB20A	126_LSB20B	

- Field blank sample 130_FB03_092421 was collected and submitted for analysis of VOCs, SVOCs, PCBs, herbicides, pesticides, cyanide, TAL metals, hexavalent and trivalent chromium, PFAS, and 1, 4-dioxane.
- Field blank sample 131_FB04_092421 was collected and submitted for analysis of CVOCs.
- Duplicate sample 128_SODUP003_092421 (Parent sample 125_LSB-20A) was collected and submitted for analysis of CVOCs.
- Trip Blank 132_TB008_092421 was collected and submitted for analysis of VOCs.

Community Air Monitoring Program (CAMP)

- Langan implemented the CAMP during soil disturbance. CAMP equipment consisted of a DustTrack II and photoionization detector (PID) at a dedicated location on the downwind perimeter of the site, as well as a personal DataRam (pDR) and PID at a work zone monitoring station.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the downwind CAMP station.

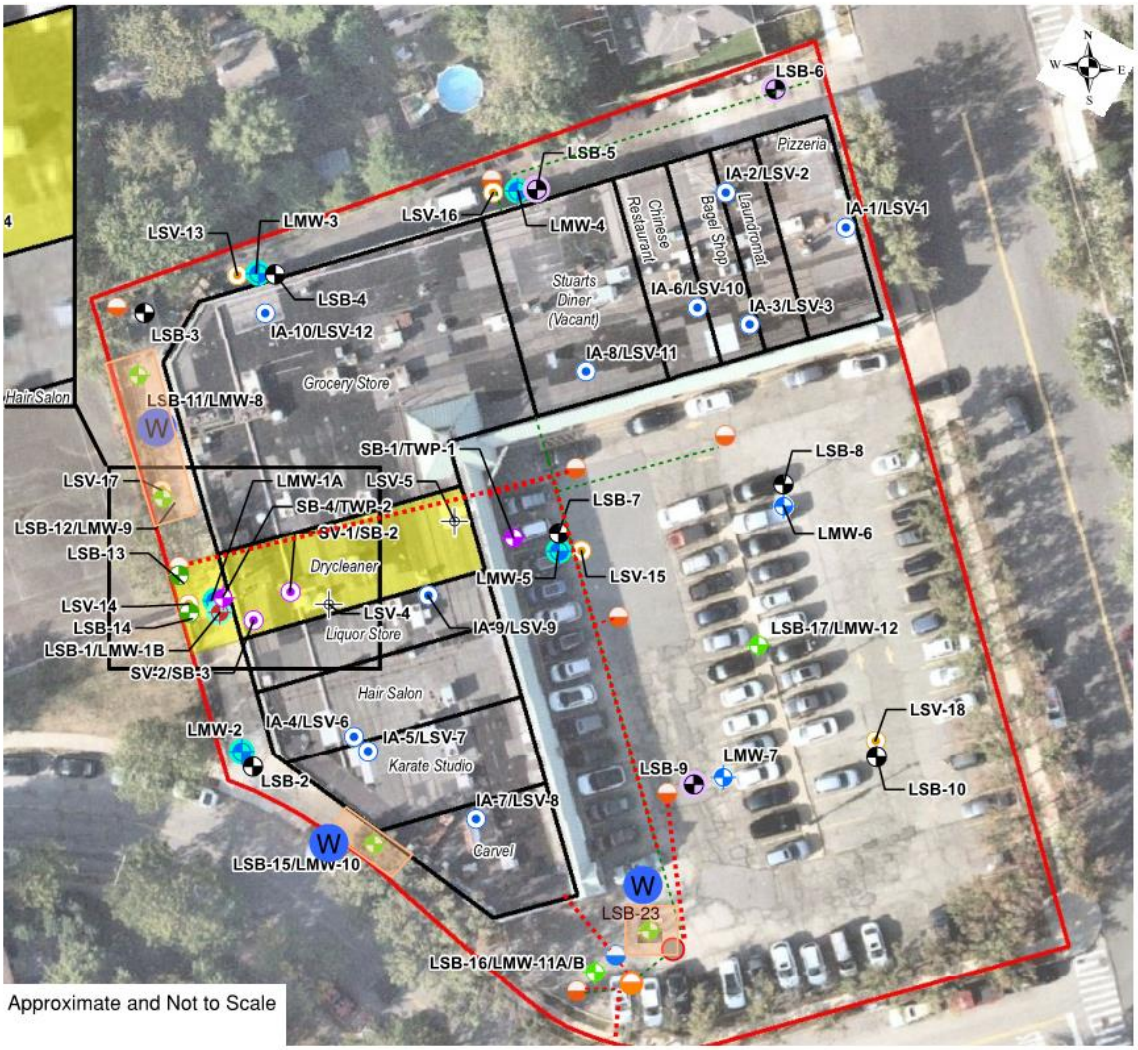
Problems Encountered

- None

Activities Scheduled for Next Day

- Langan will return to the site on or around Friday, 1 October 2021 to complete soil vapor sampling.

SITE MAP



LEGEND

- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Soil Boring to Resample
- Proposed Monitoring Well to Resample
- Proposed Soil Boring/Monitoring Well
- Proposed Soil Boring
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- Anticipated Piping Route Identified During Geophysical Survey
- Confirmed Piping Route Identified During Video Inspection
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station
- Inaccessible Drainage Structure

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

SITE MAP (OFFSITE LOCATIONS)

LEGEND

- Tax Parcel Boundary
- Site Boundary
- Tenant Areas
- AOC-1 - On-Site Dry Cleaner
- Proposed Off-Site Soil Boring/Monitoring Well/Temporary Soil Vapor Point
- Proposed Off-Site Soil Boring/Monitoring Well
- Langan Soil Boring (2020)
- Langan Soil Boring/Monitoring Well (2020)
- Langan Monitoring Well (2020)
- Langan Exterior Soil Vapor Point (2020)
- Langan Indoor Air Sample/Sub-Slab Soil Vapor Point (2020)
- Langan Sub-Slab Soil Vapor Point (2020)
- EBI Soil Boring/Monitoring Well (2019)
- EBI Soil Boring/Sub-Slab Soil Vapor Point (2019)
- Catch Basin
- Dry Well
- Work Area
- W — Work Zone Air Monitoring Station
- D — Downwind Air Monitoring Station

NOTES

1. Basemap taken from Areas of Concern and Proposed On-Site Sample Location Plan prepared by Langan dated 16 December 2020.

LANGAN

Photo Log

Photo 1 – View of AARCO hand clearing prior to drilling LSB-23, facing east.	
Photo 2 – View of AARCO drilling LSB-19, facing northwest.	

Photo 3 – View of material from LSB-19, facing south.	
Photo 4 – View of AARCO developing LMW-15, facing east.