



## Monthly Progress Report 2024 No. 7

Former NuHart West Site

65 Dupont Street, Brooklyn, NY

NYSDEC Site No. 224136

Reporting Period: July 1, 2024 – August 1, 2024

### 1. Introduction

In accordance with the reporting requirements for the Former NuHart West Site, located at 65 Dupont Street, Brooklyn, NY (Site), Haley & Aldrich of New York Engineering and Geology, LLP (Haley & Aldrich of New York), has prepared this monthly progress report, on behalf of Dupont Street Owner LLC, to summarize the work performed at the Site from July 1, 2024 through August 1, 2024.

The Former NuHart West Site is located in the Greenpoint neighborhood of Brooklyn, NY and is identified as Block 2487 Lot 17 on the New York City tax map. The Site is listed in the New York State Department of Environmental Conservation (NYSDEC) Inactive Hazardous Waste Registry as a Class 2 Site (Site No. 224136). The Site was underlain by sub-grade footings, utility networks, closed underground storage tanks (USTs), and piping and trench systems. The USTs and trench systems were cleaned out and the USTs were closed in accordance with applicable regulations in 2006. Former industrial operations at the Site have impacted on-Site and off-Site soil and groundwater with phthalates and lubricating oil (Hecla oil), most likely released from the tank and piping/trench systems. Phthalates and a phthalate/oil mixture are present in soil and as a light non-aqueous-phase liquid (LNAPL) plume floating on the groundwater surface primarily beneath the Site and extending somewhat off-Site to the southwest. Groundwater is encountered at approximately 8 to 10 feet below ground surface (ft bgs). Currently, the Site is a 49,000-square foot lot undergoing remediation.

Resource Conservation and Recovery Act (RCRA) closure activities were completed at the Site in May 2022. Interim remedial measure (IRM) activities are no longer being conducted at the Site since the product recovery systems were decommissioned as part of the RCRA Closure. IRM activities concluded in February 2022. Eastern Environmental Solutions, Inc. (Eastern) previously conducted waste management activities for disposal of product from the IBC tanks at the Site. Prior to 2022, Eastern has transported and disposed an estimated 2,116 gallons of product at the CycleChem facility in Elizabeth, NJ as hazardous waste. In January 2022, ACV Environmental Services Inc. (ACV) transported and disposed a total of 2,529 gallons of product at the CycleChem facility in Elizabeth, NJ as hazardous waste.

### 2. Investigation or Remedial Actions Relative to the Site during this Reporting Period

Below-grade work on-Site is complete and work on the building superstructure is ongoing.

Haley & Aldrich of New York continues to observe off-Site intrusive work associated with subgrade utility work to ensure it is in conformance with the Site Soil Management Plan (SSMP), including conducting community air monitoring. Daily reports are submitted the following business day to the NYSDEC and New York State Department of Health (NYSDOH) case managers.

The dewatering system was shut off on 25 June 2024.

### **3. Monthly On-Site and Off-Site Monitoring Well Gauging**

Gauging of off-Site monitoring wells associated with the Site was performed on 20 July 2024. On-Site monitoring wells are no longer accessible due to construction activities. Gauging results are included in the attached table. Additionally, transducers are installed in MW-29, MW-30, MW-38, MW-39, and MW-42 and could not be gauged. The wells that could not be accessed are identified on Figure 2.

Due to LNAPL identified in MW-24 in previous reporting periods, an absorbent sock (New Pig) remains installed in MW-24 and is inspected on a weekly basis and replaced periodically, as needed. Absorbent socks have also been installed in all off-Site monitoring wells outside the construction fence where LNAPL is present including MW-14, MW-20, MW-25, MW-26, and RW-51.

### **4. Actions Relative to the Site Anticipated for the Next Reporting Period(s)**

- Continue oversight of off-Site utility work in accordance with the SSMP.
- Conduct an off-Site vacuum enhanced fluid recovery (VEFR) pilot test in an off-Site monitoring well to determine feasibility of VEFR as a method for LNAPL recovery in monitoring wells located outside the proposed active LNAPL recovery system.
- Revised SVE Design Letter and Final OU-2 LNAPL Recovery System Design to be submitted during next reporting period(s).

### **5. Approved Activity Modifications (changes of work scope and/or schedule)**

There have been no modifications to the work scope.

### **6. Results of Sampling, Testing and Other Relevant Data**

No sampling was conducted during this reporting period.

### **7. Deliverables Submitted During This Reporting Period**

The Final OU-2 LNAPL Recovery System Design was submitted to NYSDEC on 22 May 2024 which addressed comments received from NYSDEC on 10 May 2024. Based on discussions with NYSDEC, an LNAPL Recovery Options Memo, detailing alternatives for LNAPL recovery at wells located outside the proposed active recovery system, was submitted to NYSDEC on 22 July 2024. A revised design is anticipated to be submitted during the next reporting period.

The revised RCRA Closure Report was submitted to NYSDEC on 30 July 2024.

The OU-2 ZVI Injection and SVE Pilot Test Summary Letter was submitted to NYSDEC on 22 May

2024. A response to this submission was received from NYSDEC on 3 July 2024 and a response/revision letter will be submitted back to NYSDEC in the next reporting period.

**8. Information Regarding Percentage of Completion**

The Remedial Action is approximately 90% complete.

**9. Unresolved Delays Encountered or Anticipated That May Affect the Schedule and Mitigation Efforts**

None.

**10. Community Participation (CP) Plan Activities during This Reporting Period**

A VEFR pilot test will be conducted at the Site for NYSDEC and local elected officials to observe.

**11. Activities Anticipated in Support of the CP Plan for the Next Reporting Period(s):**

None.

**12. Miscellaneous Information**

None.



Table 1: Attachment A: Apparent Thickness of LNAPL Former NuHart Plastic Manufacturing Site, NYSDEC #224136 65 Dupont Street Brooklyn, NY

Readings taken 7/30/2024 between 7:00 am and 3:00 pm (high tide @ 5:47 am and low tide @ 11:42 am)

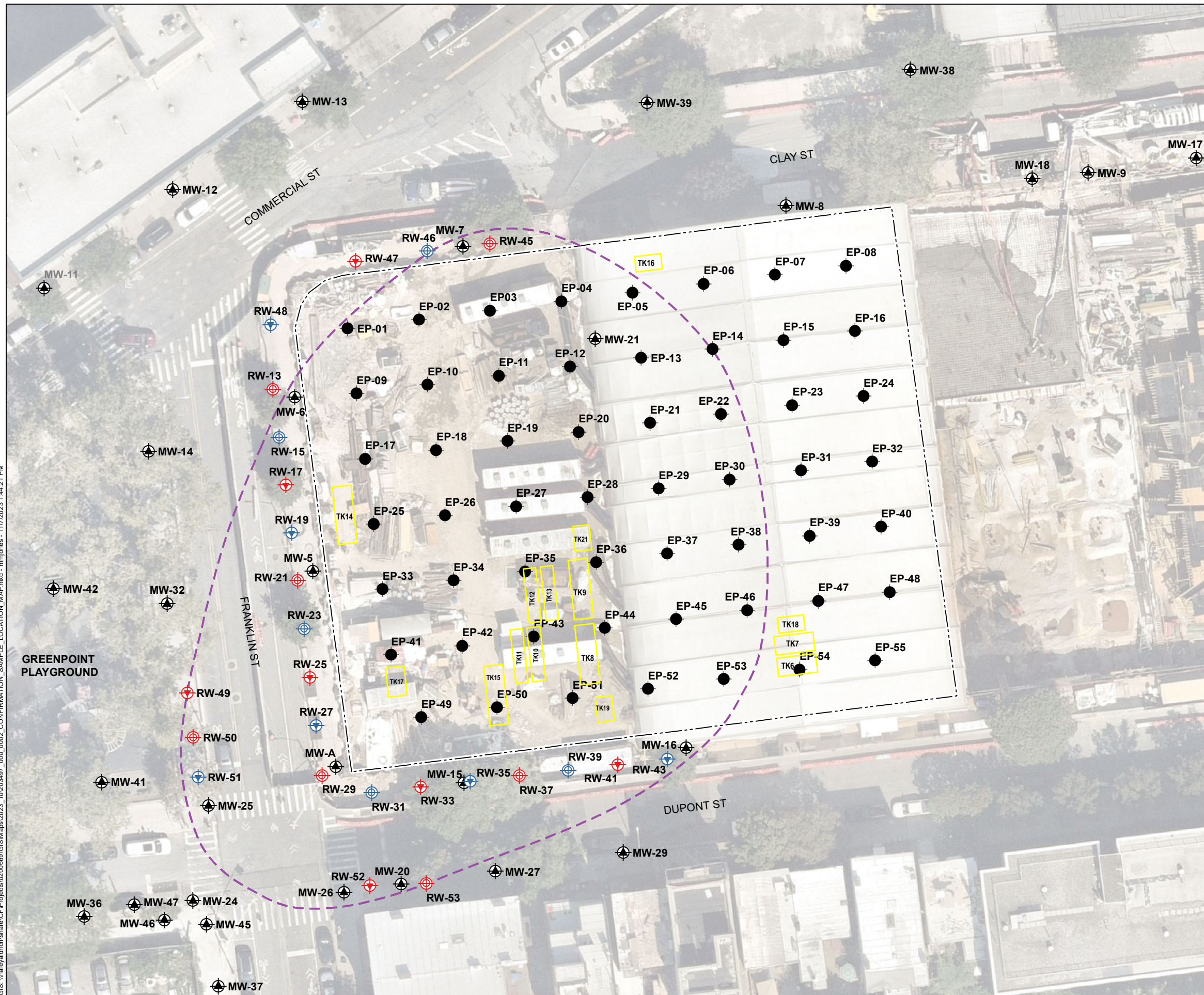
Table with columns for Well Number, Depth to Water (feet), and Apparent Thickness of LNAPL (feet) for years 2020, 2019, 2018, 2017, and 2016. Rows list wells MW-4 through RW-7 with monthly data points.

- Notes: 1. Data recorded using an oil/water interface 2. ## = NAPL observed, apparent thickness 3. NI = Not Installed 4. ND = Not Detected 5. NA = No Access 6. NG = Not Gauged 7. TD = Transducer installed 8. \*\* = Water not detected; well filled with sed 9. Wells MW-45, MW-46, and MW-47 install 10. Absorbent sock installed in MW-14, MW- 11. Wells MW-1, MW-2, MW-9, MW-10, MW- 12. Well-34 has uneven casing top 13. etc: Estimated Value 14. \* = Well was dry 15. \*\*\*\* = DTW reading not determined. Prob 16. Wells were gauged on 30 July 2024 17. Sheen = Sheen of LNAPL observed on inte

Well Number	Depth to Water (feet)	Depth to Product (feet)	2015																																				2014												2013												2012				
			Jan-16	Feb-15	Nov-15	Oct-15	Sep-15	Aug-15	Jul-15	Jun-15	May-15	Apr-15	Mar-15	Jan-15	Sep-14	Aug-14	Jul-14	Jun-14	May-14	Apr-14	Mar-14	Feb-14	Jan-14	Dec-13	Nov-13	Oct-13	Sep-13	Aug-13	Jul-13	Apr-13	Mar-13	Feb-13	Jan-13	Dec-12	Nov-12	Oct-12	Sep-12																														
			MW-4	NA	NA	1.77	1.96	2.04	1.99	1.77	2.22	4.27	0.35	0.44	—	0.56	—	1.75	1.90	1.24	Trace	—	0.01	Trace	0.23	0.22	0.30	0.66	0.78	##	3.49	2.22	0.59	0.67	0.44	0.44	0.80	0.31	0.33	3.13																											

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9. Wells MW-45, MW-46, and MW-47 install  
10. Absorbent sock installed in MW-14, MW-  
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12. Well-34 has uneven casing top  
13. est: Estimated Value  
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GIS: \\haleyaldrich\share\CF\Projects\0200669\GIS\Maps\2023\_0203487\_000\_0002\_CONFIRMATION\_SAMPLE\_LOCATION\_MAP.mxd - m:\mjones - 11/7/2023 1:44:21 PM



**LEGEND**

- CONFIRMATION SAMPLE, COLLECTED AT 16 FT
- ⊕ EXISTING GROUNDWATER MONITORING WELL TO BE PROTECTED DURING CONSTRUCTION
- ⊕ PROPOSED LNAPL RECOVERY WELL (4" DIAMETER WITH 0.01 SLOT SIZE)
- ⊕ PROPOSED LNAPL RECOVERY WELL (2" DIAMETER WITH 0.01 SLOT SIZE)
- ⊕ PROPOSED LNAPL RECOVERY WELL (4" DIAMETER WITH 0.02 SLOT SIZE)
- ⊕ PROPOSED LNAPL RECOVERY WELL (2" DIAMETER WITH 0.02 SLOT SIZE)
- EXTENT OF LNAPL ON GROUNDWATER
- SITE BOUNDARY
- TK9 APPROXIMATE UST LOCATION

**NOTES**

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID
3. SITE BOUNDARY, GROUNDWATER MONITORING WELL LOCATIONS, PRODUCT RECOVERY WELL LOCATIONS, AND APPROXIMATE EXTENT OF LNAPL DIGITIZED FROM FIGURE TITLED, "FIGURE 1, AERIAL EXTENT OF LNAPL ON GROUNDWATER", GZA, AUGUST 2016.
4. AERIAL IMAGERY SOURCE: NEARMAP, 5 SEPTEMBER 2023

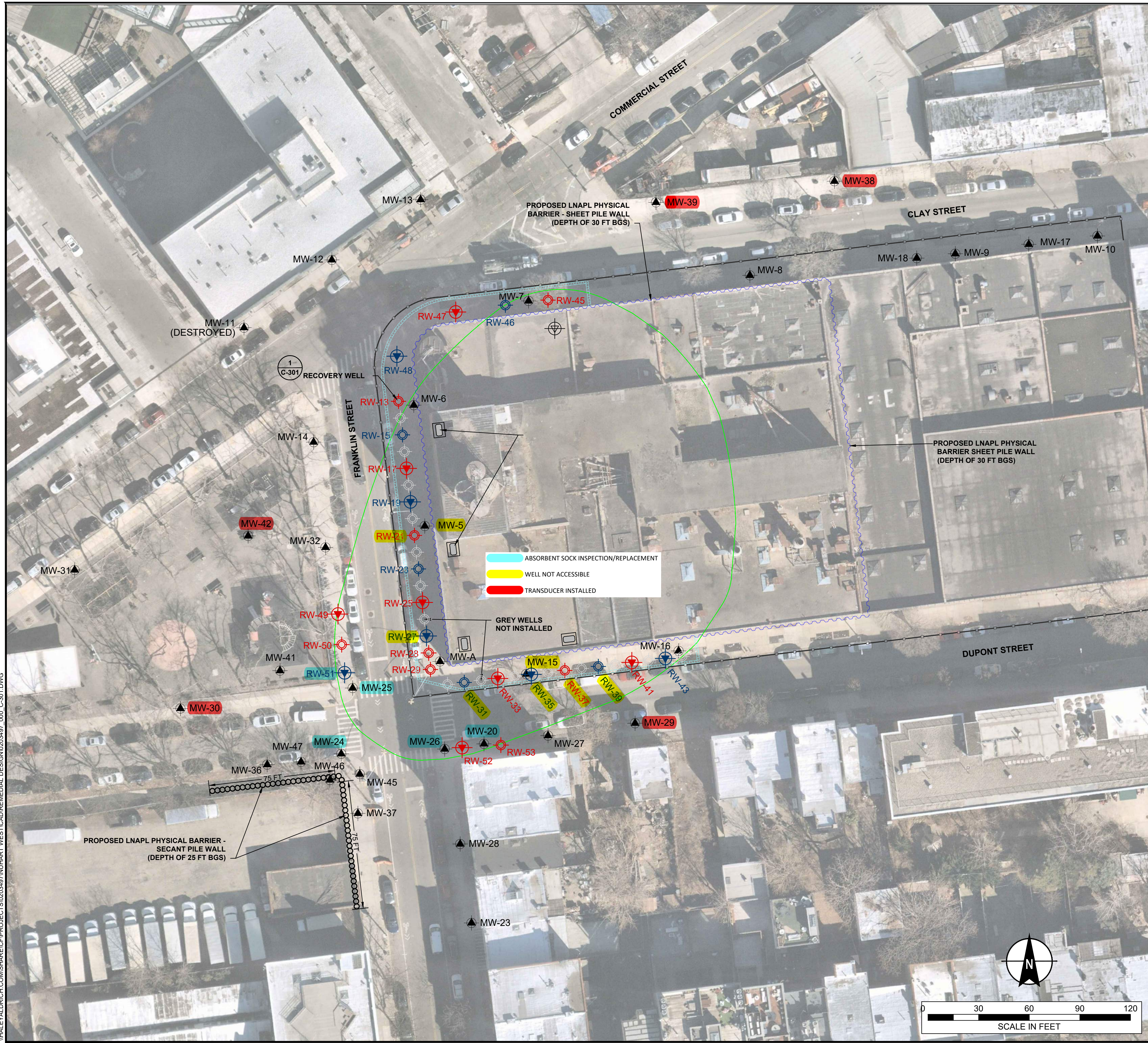
**HALEY ALDRICH** 49 DUPONT STREET  
BROOKLYN, NEW YORK

**SITE PLAN**

NOVEMBER 2023

**FIGURE 1**

POSTOLOWSKI, KEVIN - Printed: 4/16/2023, 1:44 PM  
 \\HALEYALDRICH.COM\SHARE\CP\PROJECTS\0203497\NUHART WEST\CAD\REMEDIAL DESIGN\0203497\_000\_C-301.DWG



**LEGEND**

- EXTENT OF LNAPL IN GROUNDWATER
- ~~~~ PROPOSED LNAPL BARRIER SHEET PILE WALL (OU-1)
- TEMPORARY CONSTRUCTION FENCING
- ⊕ PROPOSED LNAPL RECOVERY WELL LOCATION (4" DIAMETER WITH 0.01 SLOT SIZE)
- ⊕ PROPOSED LNAPL RECOVERY WELL LOCATION (2" DIAMETER WITH 0.01 SLOT SIZE)
- ⊕ PROPOSED LNAPL RECOVERY WELL LOCATION (4" DIAMETER WITH 0.02 SLOT SIZE)
- ⊕ PROPOSED LNAPL RECOVERY WELL LOCATION (2" DIAMETER WITH 0.02 SLOT SIZE)
- ⊕ POTENTIAL LNAPL RECOVERY WELL TO BE INSTALLED AFTER PILOT TEST
- ▲ EXISTING GROUNDWATER MONITORING WELL TO BE PROTECTED DURING CONSTRUCTION
- PROPOSED LNAPL BARRIER SECANT PILE WALL (OU-2)
- OIL ABSORBANT SOCKS

**NOTES**

1. LOCATION OF ALL EXISTING AND PROPOSED FEATURES SHOWN ON THIS PLAN ARE APPROXIMATE.
2. ANY WELLS DAMAGED DURING REMEDIATION WILL BE ABANDONED AND REPLACED.
3. DURING THE MONTHLY GAUGING EVENT ON 20 JULY 2024, APPROXIMATELY 0.25 FT OF LNAPL WAS PRESENT IN MW-14 WHERE LNAPL HAS NOT PREVIOUSLY BEEN OBSERVED. HALEY & ALDRICH OF NEW YORK IS ASSUMING THAT THE PRESENCE OF LNAPL IN THIS WELL IS DUE TO THE SPILL THAT OCCURED AT 40 COMMERCIAL STREET IN JUNE 2024.

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**NOT FOR CONSTRUCTION**

Project No.: 0203497-000  
 Scale: AS SHOWN  
 Date: NOVEMBER 7, 2022  
 Drawn By: JPC/KFP  
 Designed By: SAU  
 Checked By: SAU  
 Approved By: JMB  
 Stamp:

Rev.	Description	By	Date
0	100% DESIGN	SAU	4/10/23

FORMER NUHART PLASTIC MANUFACTURING SITE  
 STATE SUPERFUND PROJECT  
 BROOKLYN, NEW YORK

LNAPL BARRIER/LNAPL RECOVERY PLAN

**C-301**  
 Sheet: 7 of 9