September 25, 2023

Ronnie E. Lee, P.E.
New York State Department of Environmental Conservation
Department of Environmental Remediation
625 Broadway
Albany, New York 12233-7016

RE: Remedial Action Work Plan – Addendum #2
737 4th Avenue, Brooklyn, New York
BCP #C224332

Dear Mr. Lee:

P.W. Grosser Consulting Engineer & Hydrogeologist, P.C. (PWGC) has prepared this Addendum to the New York State Department of Environmental Conservation (NYSDEC) approved Remedial Action Workplan (RAWP) dated February 2023 and RAWP Addendum #1 dated August 16, 2023 and for the above referenced site. The purpose of this Addendum is to further revise Addendum #1 related to a submission by a third party for a Long Island Well Permit to dewater portions of the site where excavation is planned to extend deeper than the groundwater table in three distinct areas.

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C (Langan) is providing geotechnical and support of excavation (SOE) services for the project and Domani Inspection Services (Domani) is providing inspections of the construction operations that are influencing the adjacent buildings. As required by the New York City Department of Buildings (NYCDOB), Langan provided relative action and limit thresholds for vertical and horizontal building movement of the adjacent structures on the SOE drawings submitted to and approved by NYCDOB. In addition, vibration and optical monitors have been placed on existing buildings adjacent to the subject property to monitor building movement during construction which is monitored by Domani.

Movement on the 207 25th Street building (adjacent to the southeast portion of the subject site) was identified during trenching activities for the proposed secant barrier wall adjacent to this building which occurred on the week of August 10th and during the chemical injections that occurred between the weeks of August 17th and August 24th (monitored through August 28th). Following completion of the injections and identification of the building movement, no additional intrusive work was conducted in the area and no additional movement was identified. The total movements that were recorded exceeded acceptable thresholds as detailed in Domani's inspection report, dated August 29, 2023 and included as **Attachment A**. The developer of the subject property has been advised by Domani to address the building movements and cracks prior to proceeding with additional work in the area. In a letter from Langan, dated September 7, 2023 and included as **Attachment B**, Langan further advises the NYSDEC that installation of the secant piles, due to their proximity to the adjacent building and their size which may result in a higher degree of "soil washing" from beneath the foundation of the adjacent building, may result in further unacceptable building movement; therefore, their installation is not advised.

In addition to the safety and structural concerns of the neighboring building, the original conditions that resulted in the proposed installation of the secant barrier wall have changed. As part of the Interim Remedial Measure (IRM), PWGC proposed the installation of six recovery wells, gauging of the monitoring well network including the recovery wells, conduct oil removal events as needed, and installation of the barrier wall. The installation of the barrier wall was postponed until the building construction began; therefore, PWGC conducted approximately six months of weekly gauging events of the well network. During this period, little to no oil was detected in the on-site wells. The well gauging data is included as **Attachment C**. Further, groundwater concentrations of volatile organic compounds and semi-volatile organic compounds in the wells closest to the neighboring property contained minimal exceedances of Ambient Water Quality Standards for Class GA waters. Wells MW-31 and MW-6 were the two wells located the closest to the neighboring spill site that were sampled during the Remedial Investigation. The groundwater spider diagram from the November 2022 Remedial Investigation Report has been included as **Attachment D**.

In lieu of installation of the secant pile barrier wall, PWGC is recommending the installation of additional sentinel wells in the southeastern section of the property to further evaluate groundwater quality migrating onto the subject property and injection wells in the event that additional treatment of the groundwater will be required. An updated figure showing the proposed well locations is included as **Figure 1**.

The well construction discussed in RAWP Addendum #1 will remain the same; however, a defined well installation method has now been set to reduce the potential for impact to the neighboring building. Common well installation methodology previously used at the site was to use hollow stem augers to drill down and remove soils for the well installation. This methodology results in excess soil removed from outside of the hollow portion of the auger. During removal of the augers, sand is typically placed in the hollow portion of the auger outside of the well (the well annulus) and as the augers are lifted out of the ground, additional sand is added to fill in the void between the outer edges of the boring and the hollow portion of the auger. When the augers are below the water table, surrounding in-situ sands may fill in this void space instead of the added sand; this may result in further shifting of soils and building movement. As the sentinel wells are approximately 10 feet into the groundwater table, this could result in a higher amount of soil movement.

Instead of installation via hollow stem auger, a "drive-and-wash" method will be utilized. This will include the driving down of a 4-inch diameter, thin casing and "washing" out of the soil within the casing with water until the desired depth is met. Then the well will be installed within the casing and the well annulus filled with sand up to 2 feet above the top of the well screen. The remainder of the well annulus will be filled with a bentonite/grout seal to grade.

As per RAWP Addendum #1, groundwater sampling will be conducted from the sentinel wells prior to dewatering and approximately 2 weeks after dewatering has completed. Three additional quarters of groundwater sampling will be conducted for a total of four rounds of sampling after dewatering has completed after which the frequency may be reduced in consultation with the NYSDEC.

The secants on the western side of the property (4th Avenue side) will still be installed as their distance to the 207 25th Street property is unlikely to cause a structural concern and these secants will still reduce the volume of water that will need to be drawn down, as well as the volume of contaminants that may be pulled onto the site. With the exception of the installation of the

secant barrier wall and the well installation methodology, the remainder of RAWP Addendum #1, dated August 16, 2023, including installation of the 4th Avenue secants will be followed.

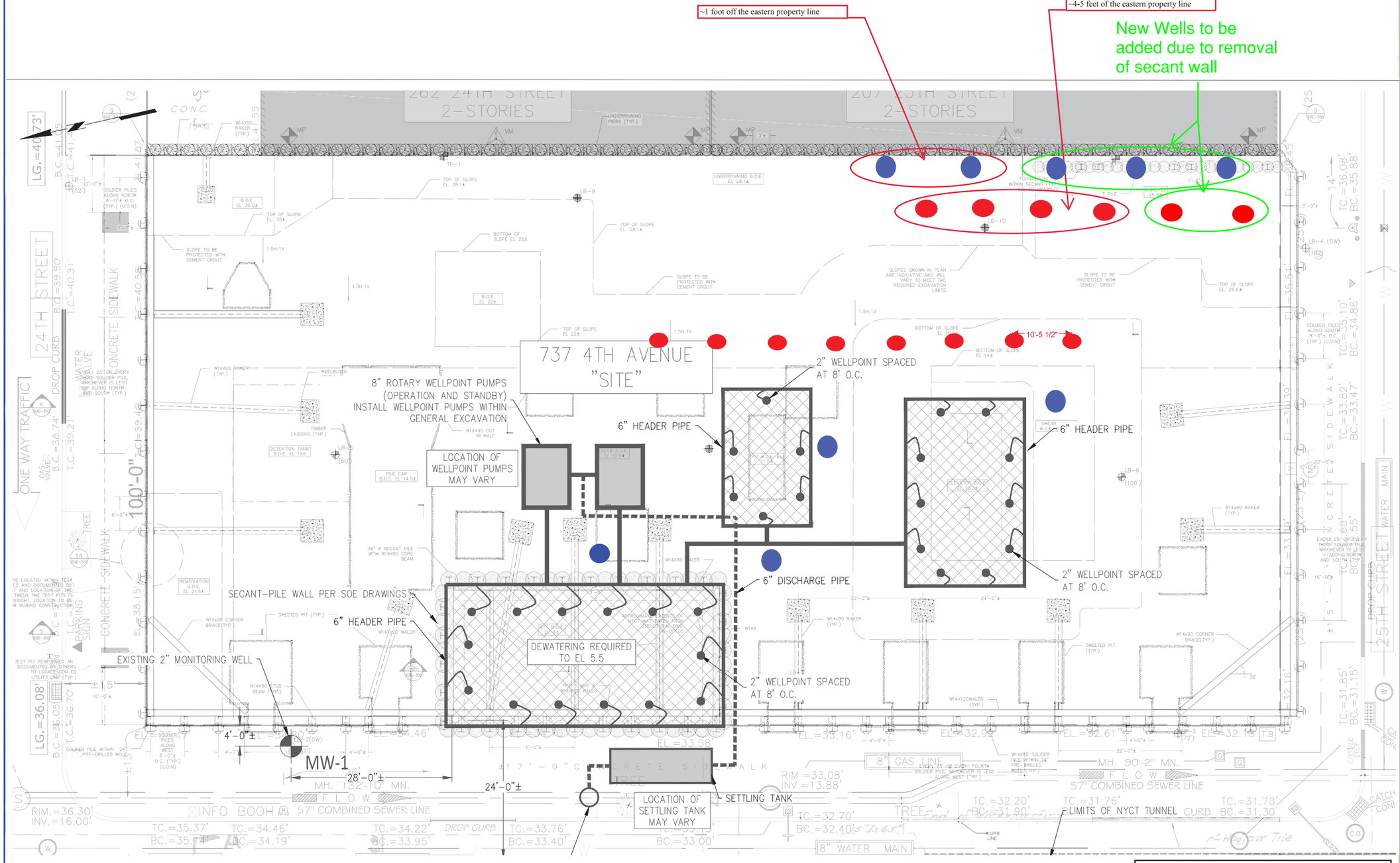
I, Paul K. Boyce, PE, PG, certify that I am currently a New York State registered professional engineer (PE) and that this Remedial Action Work Plan Addendum was prepared in accordance with applicable statutes and regulations and in substantial conformance with the NYSDEC's Division of Environmental Remediation's (DER's) Technical Guidance for Site Investigation and Remediation (DER-10).

I certify that the information and statements in this certification are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

074604	09.25.2023	Paul Boyce
New York State PE #	Date	Signature

It is a violation of Article 145 of the New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.

Figure



Base proposed dewatering map provided by Cichetti Engineering

Document Path: W:\Projects\S-Z\TOT\2202\RDWP\RDWP.aprx

PWGC
CLIENT DRIVEN SOLUTIONS
650 Johnson Ave., Suite J
Bohemia, NY 11716
Ph: 631-589-6353 • Fax: 631-589-6705
pwgc.info@pwgrosser.com

DRAWING PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	TOT2202	Designed by:	JL
Date:	6/20/2023	Drawn by:	PH
Scale:	AS SHOWN	Approved by:	JL

Option 1

731-747 4th Ave
Brooklyn, NY

FIGURE NO:

1

ATTACHMENT A

DOMANI INSPECTION SERVICES

72 Whitehall Street
Lynbrook, NY 11563
TEL: (516) 599-5900 FAX: (516) 599-1587

248 West 35th Street, 8th Fl
New York, NY 10001
TEL: (212) 736-6900 FAX: (212) 736-6910

Client:	**737 4TH AVENUE LLC**	Inspection Date:	**08/29/2023**
Project Site Address:	**737 4TH AVENUE, BROOKLYN NY.**	Time In/Out:	**8:00AM - 11:00AM**
Project ID:	**CVPAR17462**	Report Nº:	**SSS20230829**
Inspector(s):	**DAVID F YANKEY CWI MSI EIT**	Site Weather (ºF):	**CLEAR (70)**

STRUCTURAL STABILITY – CONSTRUCTION OPERATIONS INFLUENCING ADJACENT STRUCTURES

INSPECTION REPORT

The above referenced project was visited to perform a structural safety- structural stability inspection for compliance with job specifications, and NYC Building Code requirements BC 1705.25.2.

SITE CONTACT: *(Full Name & Tel No. - Super, Sub's Foreman, and/or Others)*

MARK (973-508-4919)

DOB JOB #:

B00580365-Z1

DOC'S REFERENCED:
(Plans, Specs, RFIs, Emails, etc., latest Rev. date, by whom; Shop Dwgs. & Appr. Submittals reviewed by date; Arch/Eng; DOB Job #)

OPTICAL SETTLEMENT MONITORING REPORT #19 BY TAGLIC GEOMATICS, INC DATED (8/28/2023).
SOE-101.00 DATED (2/13/2023).

AREA/LOCATION INSPECTED:
(Floors, Grid Lines, Col btw Fl., Stairs Nº btw Fl., etc.)

ADJACENT BUILDINGS 207 25TH STREET AND 262 24TH STREET.

INSPECTION OUTCOME:

- ☒ Incomplete: Work in Progress; Re-inspection required.
- ☐ Conformance: Work is in conformance with contract drawings, specifications and NYC BC.
- ☒ Non-Conformance Work: Deficiencies noted and upon correction, re-inspection required.

Non-Conformance Notes: *(Note performance metrics vs requirements + suggest method(s) for closing)*

MEANS OF STABILIZING FAÇADE WALLS OF ADJACENT PROPERTIES NEED TO BE PROVIDED.

CHECKLIST: *(Check all applicable)*

Requirements	YES	NO	N/A	Inspection Details
1. INSPECTION PROGRAM: a) Prior to commencement of work, review contractor's proposed sequence of operations and determine the areas of work that require design.	X			
2. DESIGN DOCUMENTS: a) Design documents (shop drawings, sketches, written descriptions of proposed work regarding structural stability in construction operations) shall be prepared by a registered design professional in the employ of the owner or the contractor.	X			
b) The monitoring plan shall be specific to the buildings to be monitored and operations to be undertaken, and shall specify the scope and frequency of monitoring, acceptable tolerances, and reporting criteria for when tolerances are exceeded.	X			
3. DURING CONSTRUCTION: a) Assess the ongoing work and verify that operations conform to the design documents.	X			
b) Unsafe conditions (presence and on-going danger to life, limb or significant damage) have been noted and notified. If yes, describe unsafe conditions and contacts informed.		X		
4. INSPECTION OF WORK INFLUENCING ADJACENT BUILDINGS: a) When alteration or construction operations have the potential to affect structurally the condition or occupancy of the subject structure and/or adjacent structure, structural stability of such structures shall be subject to special inspections.	X			

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New York, NY 10001
TEL: (212) 736-6900 FAX: (212) 736-6910

INSPECTION OBSERVATIONS / REMARKS:

(Summary of requirements and detail findings for every aspect/element of inspection)

OPTICAL MONITORING REPORT AND SITE CONDITIONS WERE REVIEWED AND THE FOLLOWING OBSERVATIONS WERE MADE:

BUILDING 262 24TH STREET

1. ALL 6 OPTICAL READINGS HAD EAST MOVEMENT WITH READINGS AT POINTS 13 AND 15 BEING MAXIMUM VALUES.
2. ALL NORTH MOVEMENTS WERE WITHIN ACTION THRESHOLD LIMIT.
3. SOME SETTLEMENT WAS EVIDENT AT POINTS 11, 12, 14, AND 15. ALL VALUES WERE WITHIN ACTION THRESHOLD LIMIT.

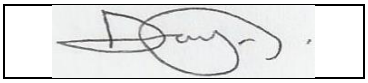
BUILDING 207 25TH STREET

1. AT OPTICAL POINT 25, EAST MOVEMENT READING EXCEEDED LIMIT THRESHOLD OF 3/8".
2. ALL NORTH READINGS FOR POINTS 20 TO 25 WERE WITHIN THRESHOLD LIMIT.
3. SETTLEMENT AT READINGS 22 AND 25 WERE AT ACTION THRESHOLD LIMIT. READINGS FOR POINTS 21 AND 24 ARE GETTING CLOSE TO ACTION THRESHOLD AS WELL.
4. AT SOUTH FAÇADE CRACKS WERE EVIDENT BUT MONITORS WERE NOT INSTALLED. READINGS 50 TO 55 SHOWS HORIZONTAL MOVEMENTS.
5. CRACK TELL TALES INSTALLED ON EXTERIOR OF STRUCTURE SHOW NO MOVEMENT SINCE INSTALLATION DATE OF 7/11/23.

IT IS EVIDENT THAT BUILDING IS PREDOMINANTLY MOVING IN THE EAST DIRECTION TOWARDS 4TH AVENUE. CRACK PROPAGATION WILL INCREASE AS LONG AS PILE DRILLING IS ONGOING CLOSE TO THE BUILDINGS. ALL CRACK LOCATIONS NEED TO BE RECTIFIED. EOR NEEDS TO ADVISE ON CRACK STITCHING METHOD AND EVALUATE CONDITION AT SOUTHEAST CORNER OF BUILDING 207.
THIS NEEDS TO BE PROVIDED AND CRACK MONITORS ERECTED WITH SATISFACTORY READINGS BEFORE SECANT AND STRUCTURAL PILE DRILLING CAN PROCEED.

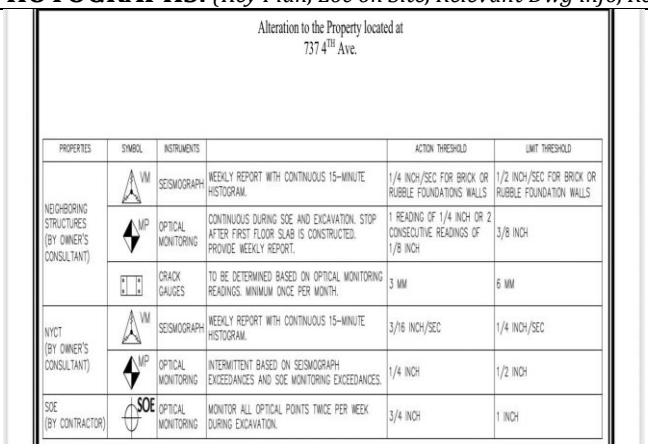
Reviewed by:

Prepared by:



John McMonagle, P.E.
T: 516-599-5900
jmcmonagle@domaniinspections.com

PHOTOGRAPHS: *(Key Plan, Loc on Site, Relevant Dwg info, Relevant Const. photos; clear, upright, cropped and legible)*



Alteration to the Property located at
737 4TH Ave.

PROPERTIES	SYMBOL	INSTRUMENTS		ACTION THRESHOLD	LIMIT THRESHOLD
NEIGHBORING STRUCTURES (BY OWNER'S CONSULTANT)	VM	SEISMOGRAPH	WEEKLY REPORT WITH CONTINUOUS 15-MINUTE HISTOGRAM.	1/4 INCH/SEC FOR BRICK OR RUBBLE FOUNDATIONS WALLS	1/2 INCH/SEC FOR BRICK OR RUBBLE FOUNDATION WALLS
	MP	OPTICAL MONITORING	CONTINUOUS DURING SOE AND EXCAVATION. STOP AFTER FIRST FLOOR SLAB IS CONSTRUCTED. PROVIDE WEEKLY REPORT.	1 READING OF 1/4 INCH OR 2 CONSECUTIVE READINGS OF 1/8 INCH	3/8 INCH
		CRACK GAUGES	TO BE DETERMINED BASED ON OPTICAL MONITORING READINGS. MINIMUM ONCE PER MONTH.	3 MM	6 MM
NYCT (BY OWNER'S CONSULTANT)	VM	SEISMOGRAPH	WEEKLY REPORT WITH CONTINUOUS 15-MINUTE HISTOGRAM.	3/16 INCH/SEC	1/4 INCH/SEC
	MP	OPTICAL MONITORING	INTERMITTENT BASED ON SEISMOGRAPH EXCEEDANCES AND SOE MONITORING EXCEEDANCES.	1/4 INCH	1/2 INCH
SOE (BY CONTRACTOR)	SOE	OPTICAL MONITORING	MONITOR ALL OPTICAL POINTS TWICE PER WEEK DURING EXCAVATION.	3/4 INCH	1 INCH

Photo 1: MONITORING NOTES USED

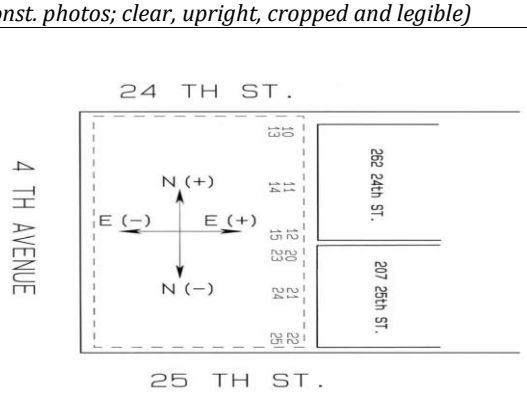


Photo 2: PROPERTIES VERIFIED

Photo 3: OPTICAL POINTS AT EAST

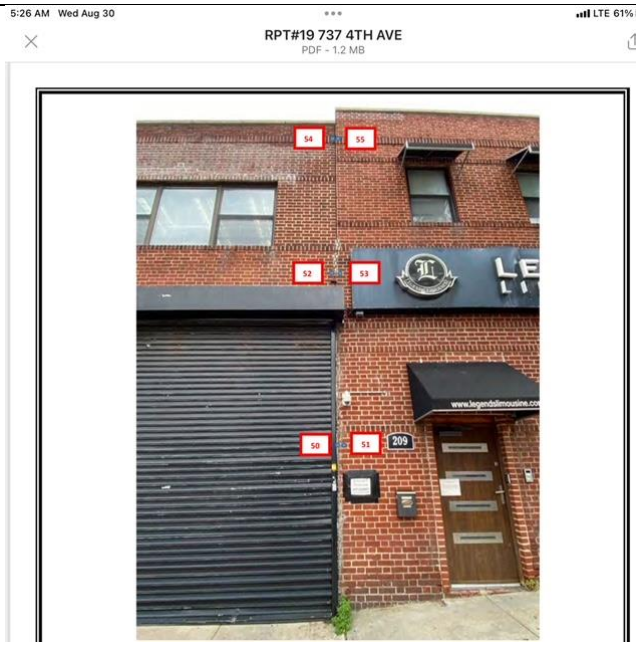
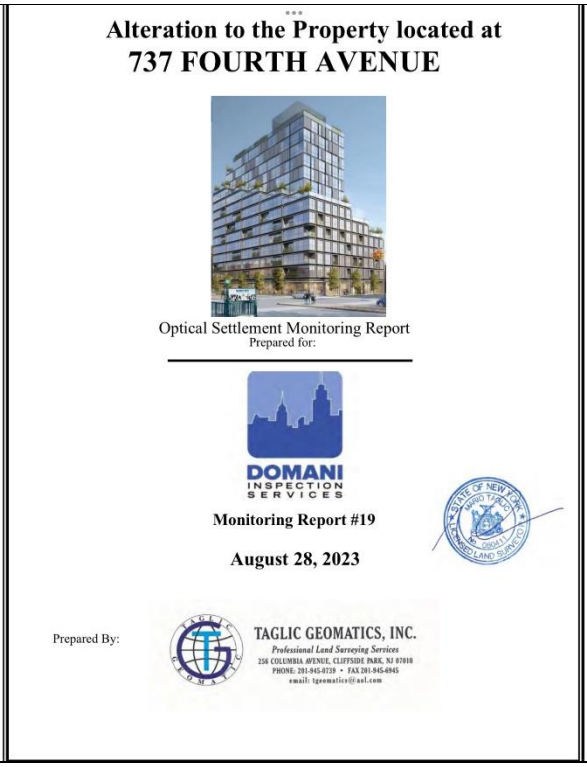


Photo 4: SOUTH FAÇADE CRACK AT 207 & 209 BOUNDARY


Alteration to the Property located at
737 FOURTH AVENUE

Optical Settlement Monitoring Report
Prepared for:

DOMANI INSPECTION SERVICES

Monitoring Report #19

August 28, 2023

Prepared By:

TAGLIC GEOMATICS, INC.
Professional Land Surveying Services
256 COLUMBIA AVENUE, CLIFTSIDE PARK, NJ 07010
PHONE: 201-945-8739 • FAX 201-945-0945
email: tgeomatics@aol.com

Photo 5: REPORT USED

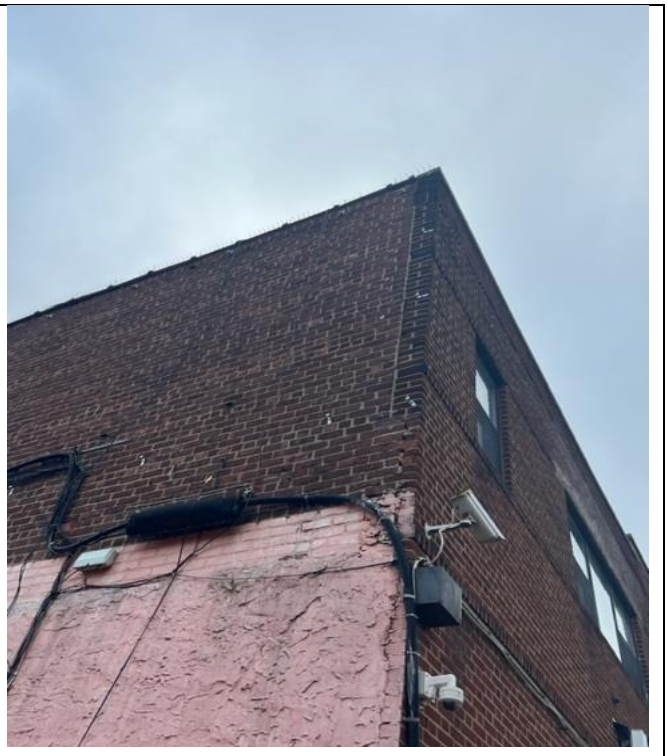


Photo 6: SOUTHEAST CORNER OF BUILDING 207

Photo 7: CRACK PROPAGATION AT EAST ELEVATION BETWEEN 262 AND 207


Photo 8: PROPOSED SECANT AND STRUCTURAL PILE LOCATIONS

Photo 9: EXTENT OF CRACK AT SOUTH FAÇADE OF 207/209 BUILDING

ATTACHMENT B

LANGAN

Technical Excellence
Practical Experience
Client Responsiveness

September 7, 2023

Ronnie E. Lee, P.E
Environmental Engineer 2
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 12th Floor, Albany NY 12233-7016

Re: Remedial Action Work Plan Design Modification
737 4th Avenue
Brooklyn, New York
Langan Project No.: 170667402

Dear Mr. Lee:

Langan is the geotechnical engineer for the referenced project, and we are writing this letter in support of the Remedial Action Work Plan (RAWP) design modification proposed by the environmental engineer (PW Grosser) on this project. The proposed modified RAWP includes installation of groundwater monitoring and injection wells in lieu of drilling secant piles.

The proposed development consists of excavating the site for a partial cellar and constructing a 14-story mixed-use building with an elevator shaft for future use by the MTA. The geotechnical construction scope for the project includes drilled piles installation to support the new building and MTA shaft and support of excavation (SOE) installation to enable excavation for the cellar. The SOE consists of soldier pile and lagging braced with rakers and corner-braces on the south, west and north sides and underpinning under the neighbor buildings to the east.

To comply with Building Code requirements, the SOE includes a monitoring program comprising of optical and vibration monitoring. Construction began on the last week of June 2023; as of early September, measured movements on the 207 25th Street building are about 1/4 inch in the vertical and about 5/8 inch in the horizontal directions. For reference, the relative action and limit thresholds included on the SOE drawings are 1/4 inch and 3/8 inch, respectively. The monitoring report prepared by Domani Inspection Services, dated 08/29/2023, outlining the building movements and distress caused to the 207 25th Street building is attached to this submission.

It is our professional opinion installation of groundwater monitoring and injection wells in lieu of drilling secant piles will result in significantly less disturbance of the soil subgrade next to and below the neighboring building foundations. We base our opinion on the following:

- The area of disturbance for the proposed secant (24-inch outside diameter) is about 36 times greater than the area of disturbance of the wells (4-inch diameter).

- The modified design includes drilling 3 additional ground monitoring wells spaced apart in lieu of 28 secant piles along 207 25th Street building; this is significantly less volume of disturbed soil.

- The installation process (drill rig size, equipment, fluid circulation, duration etc.) of the secant pile is substantially more invasive and forceful than the installation of isolated smaller diameter wells. Drilling of a secant next to the existing foundation can result in additional movements and cracks, which in turn can result in structural instability.

Given the above geotechnical concerns, we strongly support using groundwater monitoring and injection wells in lieu of secant piles as a remedial measure and we kindly request your favorable consideration of the matter.

If you have any questions, please feel free to reach me at tasos@langan.com or at 212-479-5419.

Sincerely,
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

Tasos Papathanasiou, P.E.
Principal/ Vice President

INITIAL:TGP
cc: SK Development, CV Partners, PW Grosser, CM & Associates
\\langan.com\data\NY\data4\170667402\Project Data_Discipline\Geotechnical\Reports\737 4th Ave_Geotech Support Letter to DEC.docx

ATTACHMENT C

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2022-12-02

Well ID	Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	Work going on made it impossible to gauge well
MW002	34.19	27.85	N/A	N/A	NM	Did not gauge
MW-3	36.04	35.44	N/A	N/A	NM	Work going on made it impossible to gauge well
MW-6	33.90	33.75	Not Found	20.11	NM	
MW-6A	NS	28.03	Not Found	20.13	NM	
MW-7	NS	26.61	N/A	N/A	NM	Could not open well covering
MW-8	33.77	30.73	N/A	N/A	NM	Did not gauge
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	Not Found	N/A	NM	object stuck in the well
MW-32A	NS	25.34	Not Found	20.73	NM	
MW-32B	NS	27.95	N/A	N/A	NM	Could not locate
MW-47	NS	23.12	Not Found	19.41	NM	
MW-80	NS	32.43	N/A	N/A	NM	Work going on made it impossible to gauge well
MW-81	NS	36.81	N/A	N/A	NM	Work going on made it impossible to gauge well
MW-82	NS	23.40	Not Found	20.98	NM	
MW-83	NS	25.13	Not Found	19.82	NM	Could not locate
MW-84	34.75	31.78	N/A	N/A	NM	Could not locate
MW-85	NS	NM	N/A	N/A	NM	well was flooded
MW-86	35.08	32.07	N/A	N/A	NM	Did not gauge
MW-87	NS	32.83	N/A	N/A	NM	Could not locate
MW-88	NS	NM	N/A	N/A	NM	Could not locate
MW-89	NS	NM	Not Found	18.26	NM	Could not locate
MW-90	NS	32.91	Not Found	20.80	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	N/A	NM	Could not locate
RW-1	NS	25.84	N/A	N/A	NM	Work going on made it impossible to gauge well
RW-2	NS	26.41	N/A	N/A	NM	Work going on made it impossible to gauge well
RW-3	NS		N/A	N/A	NM	Not installed
RW-4	NS	25.97	Not Found	21.10	NM	Work going on made it impossible to gauge well
RW-5	NS		N/A	N/A	NM	Could not locate
RW-6	NS	25.87	Not Found	20.11	NM	Work going on made it impossible to gauge well

Notes:
All measurements in feet
LNAPL - Light non-aqueous phase liquid
NP - No LNAPL
NS - Not Surveyed
NM - Not Measured

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2022-12-08

Well ID	Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	Debris impeded gauging
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Debris impeded gauging
MW-6	33.90	33.75	N/A	N/A	NM	Debris impeded gauging
MW-6A	NS	28.03	N/A	N/A	NM	Debris impeded gauging
MW-7	NS	26.61	N/A	N/A	NM	Debris impeded gauging
MW-8	33.77	30.73	N/A	N/A	NM	Did not gauge
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	Debris impeded gauging
MW-32A	NS	25.34	N/A	20.62	NM	
MW-32B	NS	27.95	N/A	N/A	NM	Could not locate
MW-47	NS	23.12	N/A	N/A	NM	Debris impeded gauging
MW-80	NS	32.43	N/A	N/A	NM	Debris impeded gauging
MW-81	NS	36.81	N/A	N/A	NM	Debris impeded gauging
MW-82	NS	23.40	N/A	N/A	NM	Debris impeded gauging
MW-83	NS	25.13	N/A	N/A	NM	Could not locate
MW-84	34.75	31.78	N/A	N/A	NM	Could not locate
MW-85	NS	NM	N/A	N/A	NM	well was flooded
MW-86	35.08	32.07	N/A	18.63	NM	Did not gauge
MW-87	NS	32.83	N/A	N/A	NM	Could not locate
MW-88	NS	NM	N/A	N/A	NM	Could not locate
MW-89	NS	NM	N/A	N/A	NM	Could not locate
MW-90	NS	32.91	N/A	N/A	NM	Debris impeded gauging
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	N/A	NM	Could not locate
RW-1	NS	25.84	N/A	N/A	NM	Debris impeded gauging
RW-2	NS	26.41	N/A	N/A	NM	Debris impeded gauging
RW-3	NS		N/A	N/A	NM	Not installed
RW-4	NS	25.97	N/A	20.89	NM	Debris impeded gauging
RW-5	NS		N/A	N/A	NM	Could not locate
RW-6	NS	25.87	N/A	19.64	NM	Debris impeded gauging

Notes:
All measurements in feet
LNAPL - Light non-aqueous phase liquid
NP - No LNAPL
NS - Not Surveyed
NM - Not Measured

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2022-12-27

Well ID	Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	22.60	NM	
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	20.14	NM	
MW-6A	NS	28.03	N/A	20.25	NM	
MW-7	NS	26.61	N/A	18.78	NM	
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	19.40	NM	Slight petrochemical odor on interface probe
MW-32A	NS	25.34	N/A	20.71	NM	
MW-32B	NS	27.95	N/A	N/A	NM	55 gal. drums impeded gauging
MW-47	NS	23.12	N/A	19.25	NM	
MW-80	NS	32.43	N/A	22.50	NM	
MW-81	NS	36.81	N/A	23.80	NM	
MW-82	NS	23.40	N/A	20.95	NM	
MW-83	NS	25.13	N/A	19.75	NM	
MW-84	34.75	31.78	N/A	19.11	NM	
MW-85	NS	NM	N/A	18.31	NM	
MW-86	35.08	32.07	N/A	19.78	NM	
MW-87	NS	32.83	N/A	N/A	NM	Construction Equipment impeded gauging
MW-88	NS	NM	N/A	18.95	NM	
MW-89	NS	NM	N/A	18.30	NM	
MW-90	NS	32.91	N/A	20.76	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	21.18	NM	Slight petrochemical odor and oily droplets on interface probe
RW-1	NS	25.84	N/A	22.05	NM	
RW-2	NS	26.41	N/A	23.00	NM	
RW-3	NS		N/A	N/A	NM	Debris impeded gauging
RW-4	NS	25.97	N/A	21.00	NM	
RW-5	NS		N/A	N/A	NM	Construction Equipment impeded gauging
RW-6	NS	25.87	N/A	N/A	NM	Debris impeded gauging

Notes:
All measurements in feet
LNAPL - Light non-aqueous phase liquid
NP - No LNAPL
NS - Not Surveyed
NM - Not Measured

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-01-05

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	20.13	NM	
MW-6A	NS	28.03	N/A	20.12	NM	
MW-7	NS	26.61	N/A	N/A	NM	Did not gauge
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	19.40	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.65	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	N/A	NM	Did not gauge
MW-80	NS	32.43	N/A	22.42	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	20.98	NM	
MW-83	NS	25.13	N/A	19.75	NM	
MW-84	34.75	31.78	N/A	19.09	NM	
MW-85	NS	NM	N/A	N/A	NM	Did not gauge
MW-86	35.08	32.07	N/A	N/A	NM	Did not gauge
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	Did not gauge
MW-89	NS	NM	N/A	N/A	NM	Did not gauge
MW-90	NS	32.91	N/A	20.69	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	20.99	21.00	0.01	
RW-1	NS	25.84	N/A	22.54	NM	
RW-2	NS	26.41	N/A	22.90	NM	cover was broken
RW-3	NS		N/A	N/A	NM	Debris impeded gauging
RW-4	NS	25.97	N/A	20.94	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	19.70	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-01-12

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	20.14	NM	
MW-6A	NS	28.03	N/A	19.89	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.73	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	19.26	NM	
MW-80	NS	32.43	N/A	22.57	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	20.97	NM	
MW-83	NS	25.13	N/A	19.80	NM	
MW-84	34.75	31.78	N/A	19.17	NM	
MW-85	NS	NM	N/A	18.36	NM	
MW-86	35.08	32.07	N/A	18.77	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.75	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	20.99	21.00	0.01	
RW-1	NS	25.84	N/A	22.66	NM	
RW-2	NS	26.41	N/A	23.10	NM	cover was broken
RW-3	NS		N/A		NM	
RW-4	NS	25.97	N/A	21.00	NM	
RW-5	NS		N/A		NM	Did not gauge
RW-6	NS	25.87	N/A	19.76	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-01-20

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	20.25	NM	
MW-6A	NS	28.03	N/A	20.22	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.74	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	18.84	NM	
MW-80	NS	32.43	N/A	20.96	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	21.04	NM	
MW-83	NS	25.13	N/A	20.85	NM	
MW-84	34.75	31.78	N/A	19.18	NM	
MW-85	NS	NM	N/A	18.03	NM	
MW-86	35.08	32.07	N/A	20.77	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.78	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	20.99	21.10	0.01	
RW-1	NS	25.84	N/A	19.69	NM	
RW-2	NS	26.41	N/A	22.91	NM	
RW-3	NS		N/A	22.92	NM	
RW-4	NS	25.97	N/A	21.00	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	20.75	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-01-27

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	20.27	NM	
MW-6A	NS	28.03	N/A	20.22	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.83	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	19.17	NM	
MW-80	NS	32.43	N/A	21.93	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	21.05	NM	
MW-83	NS	25.13	N/A	19.73	NM	
MW-84	34.75	31.78	N/A	19.95	NM	
MW-85	NS	NM	N/A	18.26	NM	
MW-86	35.08	32.07	N/A	19.89	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.86	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	21.44	21.45	0.01	bailer used to remove oil
RW-1	NS	25.84	N/A	16.56	NM	
RW-2	NS	26.41	N/A	22.75	NM	
RW-3	NS		N/A	22.84	NM	
RW-4	NS	25.97	N/A	21.10	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	19.86	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-02-03

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	19.99	NM	
MW-6A	NS	28.03	N/A	19.91	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.53	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	19.10	NM	
MW-80	NS	32.43	N/A	21.70	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	20.66	NM	
MW-83	NS	25.13	N/A	19.50	NM	
MW-84	34.75	31.78	N/A	19.80	NM	
MW-85	NS	NM	N/A	18.06	NM	
MW-86	35.08	32.07	N/A	18.65	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.56	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	21.02	21.03	0.01	bailer used to remove oil
RW-1	NS	25.84	N/A	21.63	NM	
RW-2	NS	26.41	N/A	22.62	NM	
RW-3	NS		N/A	22.86	NM	
RW-4	NS	25.97	N/A	20.87	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	19.62	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-02-10

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	19.94	NM	
MW-6A	NS	28.03	N/A	19.96	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.51	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	19.08	NM	
MW-80	NS	32.43	N/A	22.02	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	20.75	NM	
MW-83	NS	25.13	N/A	19.55	NM	
MW-84	34.75	31.78	N/A	18.89	NM	
MW-85	NS	NM	N/A	18.11	NM	
MW-86	35.08	32.07	N/A	18.55	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.57	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	20.95	0.01	
RW-1	NS	25.84	N/A	22.45	NM	
RW-2	NS	26.41	N/A	22.62	NM	
RW-3	NS		N/A	22.94	NM	
RW-4	NS	25.97	N/A	20.78	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	19.52	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-02-17

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	19.97	NM	
MW-6A	NS	28.03	N/A	16.60	NM	well was flooded, water rushed in when lid was lifted
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.55	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	19.18	NM	
MW-80	NS	32.43	N/A	22.31	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	20.83	NM	
MW-83	NS	25.13	N/A	20.66	NM	
MW-84	34.75	31.78	N/A	19.00	NM	
MW-85	NS	NM	N/A	N/A	NM	
MW-86	35.08	32.07	N/A	18.60	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.59	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	20.89	20.90	0.01	bailer used to remove oil
RW-1	NS	25.84	N/A	22.72	NM	
RW-2	NS	26.41	N/A	22.80	NM	
RW-3	NS		N/A	23.10	NM	
RW-4	NS	25.97	N/A	20.60	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	18.58	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-02-24

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	20.30	NM	
MW-6A	NS	28.03	N/A	20.36	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.83	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	18.90	NM	
MW-80	NS	32.43	N/A	22.83	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	21.13	NM	
MW-83	NS	25.13	N/A	19.94	NM	
MW-84	34.75	31.78	N/A	19.35	NM	
MW-85	NS	NM	N/A	18.52	NM	
MW-86	35.08	32.07	N/A	19.28	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.90	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	20.89	21.25	0.01	bailer used to remove oil
RW-1	NS	25.84	N/A	22.89	NM	
RW-2	NS	26.41	N/A	22.97	NM	
RW-3	NS		N/A	23.26	NM	
RW-4	NS	25.97	N/A	20.92	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	19.88	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-03-01

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	20.34	NM	
MW-6A	NS	28.03	N/A	20.40	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.80	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	19.00	NM	
MW-80	NS	32.43	N/A	22.33	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	21.21	NM	
MW-83	NS	25.13	N/A	20.03	NM	
MW-84	34.75	31.78	N/A	19.40	NM	
MW-85	NS	NM	N/A	18.53	NM	
MW-86	35.08	32.07	N/A	18.95	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.97	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	21.24	21.25	0.01	bailer used to remove oil
RW-1	NS	25.84	N/A	22.56	NM	
RW-2	NS	26.41	N/A	23.07	NM	
RW-3	NS		N/A	23.38	NM	
RW-4	NS	25.97	N/A	20.95	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	19.90	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-03-09

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	20.27	NM	
MW-6A	NS	28.03	N/A	20.35	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.89	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	18.42	NM	
MW-80	NS	32.43	N/A	22.98	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	21.15	NM	
MW-83	NS	25.13	N/A	19.90	NM	
MW-84	34.75	31.78	N/A	19.26	NM	
MW-85	NS	NM	N/A	18.44	NM	
MW-86	35.08	32.07	N/A	18.92	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.90	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	20.25	20.26	0.01	bailer used to remove oil
RW-1	NS	25.84	N/A	22.75	NM	
RW-2	NS	26.41	N/A	23.10	NM	
RW-3	NS		N/A	23.29	NM	
RW-4	NS	25.97	N/A	20.98	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	19.90	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-03-14

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	19.98	NM	
MW-6A	NS	28.03	N/A		NM	well was flooded. Cover is cracked
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.68	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	18.42	NM	
MW-80	NS	32.43	N/A	18.99	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	20.94	NM	
MW-83	NS	25.13	N/A	19.71	NM	
MW-84	34.75	31.78	N/A	19.72	NM	
MW-85	NS	NM	N/A	17.14	NM	
MW-86	35.08	32.07	N/A	18.70	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.73	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	21.06	21.07	0.01	bailer used to remove oil
RW-1	NS	25.84	N/A	21.70	NM	
RW-2	NS	26.41	N/A	22.92	NM	
RW-3	NS		N/A	21.20	NM	
RW-4	NS	25.97	N/A	20.74	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	19.69	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-03-21

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	20.17	NM	
MW-6A	NS	28.03	N/A	20.25	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.78	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	19.76	NM	
MW-80	NS	32.43	N/A	22.20	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	20.94	NM	
MW-83	NS	25.13	N/A	19.73	NM	
MW-84	34.75	31.78	N/A	19.16	NM	
MW-85	NS	NM	N/A	18.30	NM	
MW-86	35.08	32.07	N/A	19.82	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.80	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	21.20	21.21	0.01	bailer used to remove oil
RW-1	NS	25.84	N/A	22.65	NM	
RW-2	NS	26.41	N/A	22.86	NM	
RW-3	NS		N/A	23.07	NM	
RW-4	NS	25.97	N/A	20.89	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	19.80	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-03-27

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	20.12	NM	
MW-6A	NS	28.03	N/A	20.20	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.71	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	19.17	NM	
MW-80	NS	32.43	N/A	22.21	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	20.94	NM	
MW-83	NS	25.13	N/A	19.72	NM	
MW-84	34.75	31.78	N/A	19.14	NM	
MW-85	NS	NM	N/A	18.30	NM	
MW-86	35.08	32.07	N/A	18.74	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.72	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	N/A	0.01	well destroyed
RW-1	NS	25.84	N/A	22.68	NM	
RW-2	NS	26.41	N/A	22.77	NM	
RW-3	NS		N/A	23.04	NM	
RW-4	NS	25.97	N/A	20.79	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	19.71	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-04-11

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	20.26	NM	
MW-6A	NS	28.03	N/A	20.30	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.89	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	19.36	NM	
MW-80	NS	32.43	N/A	22,82	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	21.13	NM	
MW-83	NS	25.13	N/A	19.96	NM	
MW-84	34.75	31.78	N/A	19.31	NM	
MW-85	NS	NM	N/A	18.51	NM	
MW-86	35.08	32.07	N/A	18.85	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.88	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	N/A	0.01	well destroyed
RW-1	NS	25.84	N/A	22.94	NM	
RW-2	NS	26.41	N/A	22.81	NM	
RW-3	NS		N/A	23.06	NM	
RW-4	NS	25.97	N/A	20.65	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	19.82	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-04-25

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	20.45	NM	
MW-6A	NS	28.03	N/A	20.52	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	21.07	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	19.06	NM	
MW-80	NS	32.43	N/A	22,82	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	22.97	NM	
MW-83	NS	25.13	N/A	20.18	NM	
MW-84	34.75	31.78	N/A	19.43	NM	
MW-85	NS	NM	N/A	18.64	NM	
MW-86	35.08	32.07	N/A	19.06	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	21.08	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	N/A	0.01	well destroyed
RW-1	NS	25.84	N/A	23.09	NM	
RW-2	NS	26.41	N/A	23.14	NM	
RW-3	NS		N/A	23.36	NM	
RW-4	NS	25.97	N/A	21.07	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	20.05	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-05-04

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	19.25	NM	
MW-6A	NS	28.03	N/A	N/A	NM	machine was covering well. Could not gauge
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	19.85	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	18.20	NM	
MW-80	NS	32.43	N/A	19.70	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	19.62	NM	
MW-83	NS	25.13	N/A	17.26	NM	
MW-84	34.75	31.78	N/A	16.67	NM	
MW-85	NS	NM	N/A	16.99	NM	
MW-86	35.08	32.07	N/A	18.50	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	19.68	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	N/A	0.01	well destroyed
RW-1	NS	25.84	N/A	18.34	NM	
RW-2	NS	26.41	N/A	22.09	NM	
RW-3	NS		N/A	22.65	NM	
RW-4	NS	25.97	N/A	20.56	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	19.23	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-05-12

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	19.19	NM	
MW-6A	NS	28.03	N/A	N/A	NM	machine was covering well. Could not gauge
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	19.82	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	17.90	NM	
MW-80	NS	32.43	N/A	21.32	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	19.90	NM	
MW-83	NS	25.13	N/A	18.70	NM	
MW-84	34.75	31.78	N/A	17.98	NM	
MW-85	NS	NM	N/A	17.24	NM	
MW-86	35.08	32.07	N/A	18.32	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	19.77	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	N/A	0.01	well destroyed
RW-1	NS	25.84	21.34	21.35	0.01	LNAPL detected
RW-2	NS	26.41	N/A	21.90	NM	
RW-3	NS		N/A	22.14	NM	
RW-4	NS	25.97	N/A	20.13	NM	
RW-5	NS		N/A	N/A	NM	Did not gauge
RW-6	NS	25.87	N/A	18.91	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-05-16

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	18.70	NM	
MW-6A	NS	28.03	N/A	N/A	NM	machine was covering well. Could not gauge
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	19.80	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	18.33	NM	
MW-80	NS	32.43	N/A	21.46	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	19.94	NM	
MW-83	NS	25.13	N/A	18.78	NM	
MW-84	34.75	31.78	N/A	17.94	NM	
MW-85	NS	NM	N/A	17.27	NM	
MW-86	35.08	32.07	N/A	17.82	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	19.82	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	N/A	0.01	well destroyed
RW-1	NS	25.84	21.34	21.35	0.01	sock added
RW-2	NS	26.41	N/A	21.90	NM	
RW-3	NS		N/A	22.12	NM	
RW-4	NS	25.97	N/A	20.03	NM	
RW-5	NS		N/A	19.70	NM	
RW-6	NS	25.87	N/A	18.83	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-05-23

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	19.44	NM	
MW-6A	NS	28.03	N/A	N/A	NM	machine was covering well. Could not gauge
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.01	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	18.21	NM	
MW-80	NS	32.43	N/A	21.82	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	N/A	20.37	NM	
MW-83	NS	25.13	N/A	19.04	NM	
MW-84	34.75	31.78	N/A	18.29	NM	
MW-85	NS	NM	N/A	17.50	NM	
MW-86	35.08	32.07	N/A	17.82	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.07	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	N/A	0.01	well destroyed
RW-1	NS	25.84	N/A	21.37	NM	no product found on sock
RW-2	NS	26.41	N/A	22.10	NM	
RW-3	NS		N/A	22.34	NM	
RW-4	NS	25.97	N/A	20.20	NM	
RW-5	NS		N/A	19.89	NM	
RW-6	NS	25.87	N/A	19.06	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-05-30

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	19.50	NM	
MW-6A	NS	28.03	N/A	N/A	NM	machine was covering well. Could not gauge
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.11	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	18.48	NM	
MW-80	NS	32.43	N/A	21.91	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	20.35	20.36	0.01	LNAPL detected for the first time
MW-83	NS	25.13	N/A	19.13	NM	
MW-84	34.75	31.78	N/A	18.36	NM	
MW-85	NS	NM	N/A	17.64	NM	
MW-86	35.08	32.07	N/A	18.12	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.06	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	N/A	0.01	well destroyed
RW-1	NS	25.84	N/A	22.24	NM	no product found. Sock removed
RW-2	NS	26.41	N/A	22.24	NM	
RW-3	NS		N/A	22.47	NM	
RW-4	NS	25.97	N/A	20.16	NM	
RW-5	NS		N/A	19.89	NM	
RW-6	NS	25.87	N/A	18.07	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-06-09

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	19.59	NM	
MW-6A	NS	28.03	N/A	19.67	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.15	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	18.60	NM	
MW-80	NS	32.43	N/A	22.27	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	20.35	20.48	N/A	
MW-83	NS	25.13	N/A	19.23	NM	
MW-84	34.75	31.78	N/A	18.55	NM	
MW-85	NS	NM	N/A	16.77	NM	
MW-86	35.08	32.07	N/A	N/A	NM	Did not gauge
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.22	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	N/A	N/A	well destroyed
RW-1	NS	25.84	N/A	22.36	NM	
RW-2	NS	26.41	N/A	22.44	NM	
RW-3	NS		N/A	22.66	NM	
RW-4	NS	25.97	N/A	N/A	NM	barriers covering well. Can't gauge
RW-5	NS		N/A	19.95	NM	
RW-6	NS	25.87	N/A	18.21	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-06-15

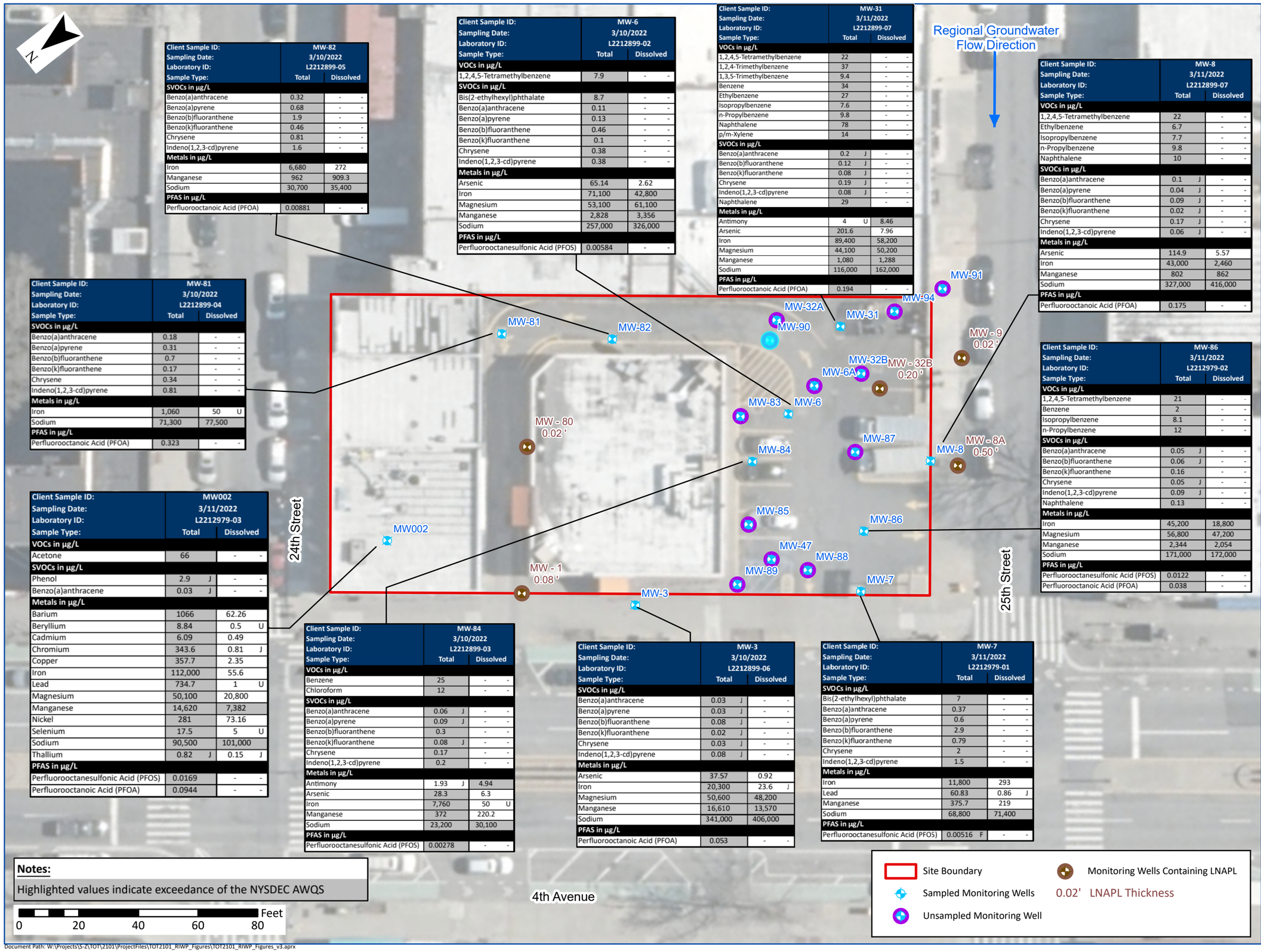
Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	19.69	NM	
MW-6A	NS	28.03	N/A	19.74	NM	
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	20.22	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	18.58	NM	
MW-80	NS	32.43	N/A	22.58	NM	
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	20.35	20.55	N/A	
MW-83	NS	25.13	N/A	19.31	NM	
MW-84	34.75	31.78	N/A	18.63	NM	
MW-85	NS	NM	N/A	17.85	NM	
MW-86	35.08	32.07	N/A	18.27	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	20.29	NM	
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	N/A	N/A	well destroyed
RW-1	NS	25.84	N/A	21.98	21.97	LNAPL detected for the 2nd time
RW-2	NS	26.41	N/A	22.51	NM	
RW-3	NS		N/A	22.74	NM	
RW-4	NS	25.97	N/A	N/A	NM	Barriers covering well. Can't gauge
RW-5	NS		N/A	20.00	NM	
RW-6	NS	25.87	N/A	19.23	NM	

Water Level Measurements
731-747 4th Avenue, Brooklyn, NY

2023-06-21

Well ID	Arbitrary Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Observations
MW-1	NS	30.72	N/A	N/A	NM	no water found
MW002	34.19	27.85	N/A	N/A	NM	Debris impeded gauging
MW-3	36.04	35.44	N/A	N/A	NM	Did not gauge
MW-6	33.90	33.75	N/A	N/A	NM	machine covering
MW-6A	NS	28.03	N/A	n/a	NM	machine covering
MW-7	NS	26.61	N/A	N/A	NM	could not locate
MW-8	33.77	30.73	N/A	N/A	NM	Debris impeded gauging
MW-8A	NS	29.35	N/A	N/A	NM	Did not gauge
MW-9	NS	24.33	N/A	N/A	NM	Did not gauge
MW-31	33.17	28.85	N/A	N/A	NM	object stuck in well
MW-32A	NS	25.34	N/A	19.36	NM	
MW-32B	NS	27.95	N/A	N/A	NM	could not locate
MW-47	NS	23.12	N/A	18.74	NM	
MW-80	NS	32.43	N/A	N/A	NM	well destroyed
MW-81	NS	36.81	N/A	N/A	NM	Under a stockpile/debris
MW-82	NS	23.40	20.35	20.71	N/A	
MW-83	NS	25.13	N/A	N/A	NM	materials covering well
MW-84	34.75	31.78	N/A	18.80	NM	
MW-85	NS	NM	N/A	18.02	NM	
MW-86	35.08	32.07	N/A	18.43	NM	
MW-87	NS	32.83	N/A	N/A	NM	could not locate
MW-88	NS	NM	N/A	N/A	NM	could not locate
MW-89	NS	NM	N/A	N/A	NM	well destroyed
MW-90	NS	32.91	N/A	N/A	NM	machine covering
MW-91	NS	23.03	N/A	N/A	NM	Did not gauge
MW-94	NS	20.44	N/A	N/A	N/A	well destroyed
RW-1	NS	25.84	N/A	22.50	21.97	LNAPL detected for the 2nd time
RW-2	NS	26.41	N/A	22.51	NM	covered by trackpad
RW-3	NS		N/A	22.74	NM	covered by trackpad
RW-4	NS	25.97	N/A	N/A	NM	Barriers covering well. Can't gauge
RW-5	NS		N/A	20.00	NM	machine covering
RW-6	NS	25.87	N/A	19.38	NM	

ATTACHMENT D



Client Sample ID:	MW-82	
Sampling Date:	3/10/2022	
Laboratory ID:	L2212899-05	
Sample Type:	Total	Dissolved
SVOCs in µg/L		
Benzo(a)anthracene	0.32	- -
Benzo(a)pyrene	0.68	- -
Benzo(b)fluoranthene	1.9	- -
Benzo(k)fluoranthene	0.46	- -
Chrysene	0.81	- -
Indeno(1,2,3-cd)pyrene	1.6	- -
Metals in µg/L		
Iron	6,680	272
Manganese	962	909.3
Sodium	30,700	35,400
PFAS in µg/L		
Perfluorooctanoic Acid (PFOA)	0.00881	- -

Client Sample ID:	MW-6	
Sampling Date:	3/10/2022	
Laboratory ID:	L2212899-02	
Sample Type:	Total	Dissolved
VOCs in µg/L		
1,2,4,5-Tetramethylbenzene	7.9	- -
SVOCs in µg/L		
Bis(2-ethylhexyl)phthalate	8.7	- -
Benzo(a)anthracene	0.11	- -
Benzo(a)pyrene	0.13	- -
Benzo(b)fluoranthene	0.46	- -
Benzo(k)fluoranthene	0.1	- -
Chrysene	0.38	- -
Indeno(1,2,3-cd)pyrene	0.38	- -
Metals in µg/L		
Arsenic	65.14	2.62
Iron	71,100	42,800
Magnesium	53,100	61,100
Manganese	2,828	3,356
Sodium	257,000	326,000
PFAS in µg/L		
Perfluorooctanesulfonic Acid (PFOS)	0.00584	- -

Client Sample ID:	MW-31	
Sampling Date:	3/11/2022	
Laboratory ID:	L2212899-07	
Sample Type:	Total	Dissolved
VOCs in µg/L		
1,2,4,5-Tetramethylbenzene	22	- -
1,2,4-Trimethylbenzene	37	- -
1,3,5-Trimethylbenzene	9.4	- -
Benzene	34	- -
Ethylbenzene	27	- -
Isopropylbenzene	7.6	- -
n-Propylbenzene	9.8	- -
Naphthalene	78	- -
p/m-Xylene	14	- -
SVOCs in µg/L		
Benzo(a)anthracene	0.2 J	- -
Benzo(b)fluoranthene	0.12 J	- -
Benzo(k)fluoranthene	0.08 J	- -
Chrysene	0.19 J	- -
Indeno(1,2,3-cd)pyrene	0.08 J	- -
Naphthalene	29	- -
Metals in µg/L		
Antimony	4 U	8.46
Arsenic	201.6	7.96
Iron	89,400	58,200
Magnesium	44,100	50,200
Manganese	1,080	1,288
Sodium	116,000	162,000
PFAS in µg/L		
Perfluorooctanoic Acid (PFOA)	0.194	- -

Client Sample ID:	MW-8	
Sampling Date:	3/11/2022	
Laboratory ID:	L2212899-07	
Sample Type:	Total	Dissolved
VOCs in µg/L		
1,2,4,5-Tetramethylbenzene	22	- -
Ethylbenzene	6.7	- -
Isopropylbenzene	7.7	- -
n-Propylbenzene	9.8	- -
Naphthalene	10	- -
SVOCs in µg/L		
Benzo(a)anthracene	0.1 J	- -
Benzo(a)pyrene	0.04 J	- -
Benzo(b)fluoranthene	0.09 J	- -
Benzo(k)fluoranthene	0.02 J	- -
Chrysene	0.17 J	- -
Indeno(1,2,3-cd)pyrene	0.06 J	- -
Metals in µg/L		
Arsenic	114.9	5.57
Iron	43,000	2,460
Manganese	802	862
Sodium	327,000	416,000
PFAS in µg/L		
Perfluorooctanoic Acid (PFOA)	0.175	- -

Client Sample ID:	MW-81	
Sampling Date:	3/10/2022	
Laboratory ID:	L2212899-04	
Sample Type:	Total	Dissolved
SVOCs in µg/L		
Benzo(a)anthracene	0.18	- -
Benzo(a)pyrene	0.31	- -
Benzo(b)fluoranthene	0.7	- -
Benzo(k)fluoranthene	0.17	- -
Chrysene	0.34	- -
Indeno(1,2,3-cd)pyrene	0.81	- -
Metals in µg/L		
Iron	1,060	50 U
Sodium	71,300	77,500
PFAS in µg/L		
Perfluorooctanoic Acid (PFOA)	0.323	- -

Client Sample ID:	MW-86	
Sampling Date:	3/11/2022	
Laboratory ID:	L2212979-02	
Sample Type:	Total	Dissolved
VOCs in µg/L		
1,2,4,5-Tetramethylbenzene	21	- -
Benzene	2	- -
Isopropylbenzene	8.1	- -
n-Propylbenzene	12	- -
SVOCs in µg/L		
Benzo(a)anthracene	0.05 J	- -
Benzo(b)fluoranthene	0.06 J	- -
Benzo(k)fluoranthene	0.16	- -
Chrysene	0.05 J	- -
Indeno(1,2,3-cd)pyrene	0.09 J	- -
Naphthalene	0.13	- -
Metals in µg/L		
Iron	45,200	18,800
Magnesium	56,800	47,200
Manganese	2,344	2,054
Sodium	171,000	172,000
PFAS in µg/L		
Perfluorooctanesulfonic Acid (PFOS)	0.0122	- -
Perfluorooctanoic Acid (PFOA)	0.038	- -

Client Sample ID:	MW002	
Sampling Date:	3/11/2022	
Laboratory ID:	L2212979-03	
Sample Type:	Total	Dissolved
VOCs in µg/L		
Acetone	66	- -
SVOCs in µg/L		
Phenol	2.9 J	- -
Benzo(a)anthracene	0.03 J	- -
Metals in µg/L		
Barium	1066	62.26
Beryllium	8.84	0.5 U
Cadmium	6.09	0.49
Chromium	343.6	0.81 J
Copper	357.7	2.35
Iron	112,000	55.6
Lead	734.7	1 U
Magnesium	50,100	20,800
Manganese	14,620	7,382
Nickel	281	73.16
Selenium	17.5	5 U
Sodium	90,500	101,000
Thallium	0.82 J	0.15 J
PFAS in µg/L		
Perfluorooctanesulfonic Acid (PFOS)	0.0169	- -
Perfluorooctanoic Acid (PFOA)	0.0944	- -

Client Sample ID:	MW-84	
Sampling Date:	3/10/2022	
Laboratory ID:	L2212899-03	
Sample Type:	Total	Dissolved
VOCs in µg/L		
Benzene	25	- -
Chloroform	12	- -
SVOCs in µg/L		
Benzo(a)anthracene	0.06 J	- -
Benzo(a)pyrene	0.09 J	- -
Benzo(b)fluoranthene	0.3	- -
Benzo(k)fluoranthene	0.08 J	- -
Chrysene	0.17	- -
Indeno(1,2,3-cd)pyrene	0.2	- -
Metals in µg/L		
Antimony	1.93 J	4.94
Arsenic	28.3	6.3
Iron	7,760	50 U
Manganese	372	220.2
Sodium	23,200	30,100
PFAS in µg/L		
Perfluorooctanesulfonic Acid (PFOS)	0.00278	- -

Client Sample ID:	MW-3	
Sampling Date:	3/10/2022	
Laboratory ID:	L2212899-06	
Sample Type:	Total	Dissolved
SVOCs in µg/L		
Benzo(a)anthracene	0.03 J	- -
Benzo(a)pyrene	0.03 J	- -
Benzo(b)fluoranthene	0.08 J	- -
Benzo(k)fluoranthene	0.02 J	- -
Chrysene	0.03 J	- -
Indeno(1,2,3-cd)pyrene	0.08 J	- -
Metals in µg/L		
Arsenic	37.57	0.92
Iron	20,300	23.6 J
Magnesium	50,600	48,200
Manganese	16,610	13,570
Sodium	341,000	406,000
PFAS in µg/L		
Perfluorooctanoic Acid (PFOA)	0.053	- -

Client Sample ID:	MW-7	
Sampling Date:	3/11/2022	
Laboratory ID:	L2212979-01	
Sample Type:	Total	Dissolved
SVOCs in µg/L		
Bis(2-ethylhexyl)phthalate	7	- -
Benzo(a)anthracene	0.37	- -
Benzo(a)pyrene	0.6	- -
Benzo(b)fluoranthene	2.9	- -
Benzo(k)fluoranthene	0.79	- -
Chrysene	2	- -
Indeno(1,2,3-cd)pyrene	1.5	- -
Metals in µg/L		
Iron	11,800	293
Lead	60.83	0.86 J
Manganese	375.7	219
Sodium	68,800	71,400
PFAS in µg/L		
Perfluorooctanesulfonic Acid (PFOS)	0.00516 F	- -

Notes:

Highlighted values indicate exceedance of the NYSDEC AWQS

0 20 40 60 80 Feet

Site Boundary
Sampled Monitoring Wells
Unsampled Monitoring Well
Monitoring Wells Containing LNAPL
0.02' LNAPL Thickness

PWGC
CLIENT DRIVEN SOLUTIONS
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DRAWING PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	TOT2101	Designed by:	JL
Date:	7/28/2022	Drawn by:	OA
Scale:	AS SHOWN	Approved by:	JL

Groundwater Sampling Exceedances

731-747 4th Ave
Brooklyn, NY

FIGURE NO:

6

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