

# Memo



To: Melissa Dulinski  
Team Lead  
New Jersey Economic Development Authority (NJEDA)

From: Jennifer Taylor, BRS, Inc.

CC: Tashi L. Vazquez, City of Perth Amboy  
Lawra Dodge, Excel  
Eric Mertz, Excel  
Michele Christina, BRS, Inc.

Date: May 25, 2023

Re: Perth Amboy Department of Public Works/Formal Sanitary Landfill - 599 Fayette Street – Well Repairs and Abandonment Activities

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A total of 11 groundwater monitoring wells have been identified at the Perth Amboy Department of Public Works/Formal Sanitary Landfill (Site). The wells were installed to monitor groundwater quality and groundwater flow direction. Seven wells, MW-2, MW-3, MW-8, MW-11, MW-13, MW-14 and MW-15, required repairs to allow for the continuation of groundwater monitoring at the Site. Two wells, MW-1 and MW-10, were no longer required for groundwater monitoring and were abandoned. Lastly, one well, MW-5, needed to be relocated due to proposed construction activities related to the Perth Amboy Water Department building and garage. One of 11 wells identified, MW-7, did not require any repairs during at this time. A map showing the monitoring well locations is provided in **Attachment 1**.

Four additional wells, MW-4, MW-6, MW-9, and MW-12 are mapped onsite but could not be located by Excel Environmental Resources, Inc. (Excel), the current LSRP for the site, during the initial site reconnaissance and were not included in this scope of work. BRS Inc. conducted a second reconnaissance on February 13, 2023 but was also unable to locate these wells. Well closures will need to be filed with the New Jersey Department of Environmental Protection and will be handled by others.

The following repair and/or abandonment activities were performed by Dave Macalus of MB Drilling between February 13 and February 17, 2023, with oversight provided by BRS. A map showing the monitoring well locations is provided in **Attachment 1**. A table summarizing the groundwater monitoring well repairs and associated well records are provided in **Attachment 2**.

Three wells, MW-11, MW-14, and MW-15 are located in the paved parking area of the Department of Public Works (DPW) Complex. For each of these wells the broken concrete pad was removed and a new flush-mount manway and concrete pad were installed. The concrete pad and stickup well-casing were replaced for two wells, MW-8 and MW-13 and the top five feet of riser pipe was replaced for MW-8. Removed concrete from each of the repaired wells was stored in a non-hazardous 55-gallon steel drum and staged at the entrance to the Former Landfill Area. Lastly, the obstruction in MW-3, located along Smith Street, was cleared and the steel cap for MW-2 was replaced with a j-plug.

A total of three wells, MW-1, MW-10, and MW-5, were abandoned. A replacement well for MW-5 (MW-5R), was installed near the southeastern fence-line at Duffy Park using a hollow stem auger rig. The replacement well was constructed with 10 feet of 0.010-inch slotted screen installed to a depth of approximately 32 feet below ground surface. A 2-inch PCV riser pipe extended to the ground surface and the monitoring well was installed with a flush-mount and concrete pad. The well permit and construction summary for MW-5R are provided in **Attachments 3** and **4**, respectively. Drilling cuttings from the well installation were containerized in two 55-gallon non-hazardous drums and staged at the entrance to the Former Landfill Area. All monitoring well abandonment and installation activities were performed by a licensed well driller in accordance with New Jersey's requirements for Well Construction and Maintenance; Sealing of Abandoned Wells (N.J.A.C. 7:9D).

Following the completion of these activities, all nine active monitoring wells were surged and redeveloped in preparation for future groundwater monitoring activities. Wells were redeveloped using a surge block and groundwater from each well was purged and containerized in two 55-gallon non-hazardous drums and staged at the entrance to the Former Landfill Area. With the exception of MW-5R, which was purged until discharge water ran clear, all wells ran dry and were allowed to recharge at least two times during redevelopment.

After the completion of well repairs a total of five 55-gallon non-hazardous drums were staged at the entrance to the Former Landfill Area for future disposal. Staged drums include, two drums containing groundwater, two drums containing soil cuttings from the installation of MW-5R, and one drum containing concrete. Drums are anticipated to be transported to a New Jersey approved facility for disposal as non-hazardous waste.

Volatile organic compounds (VOCs), methane, oxygen, carbon monoxide, hydrogen sulfide and potential flammable/combustible gas atmospheres were constantly monitored within 10 feet downwind of field activities using a photoionization detector (PID) and a multi-gas meter. PID readings did not exceed 0.3 parts per million (ppm) and oxygen readings were consistent at 21.3 percent. There were no detections for methane, hydrogen sulfide or carbon monoxide.

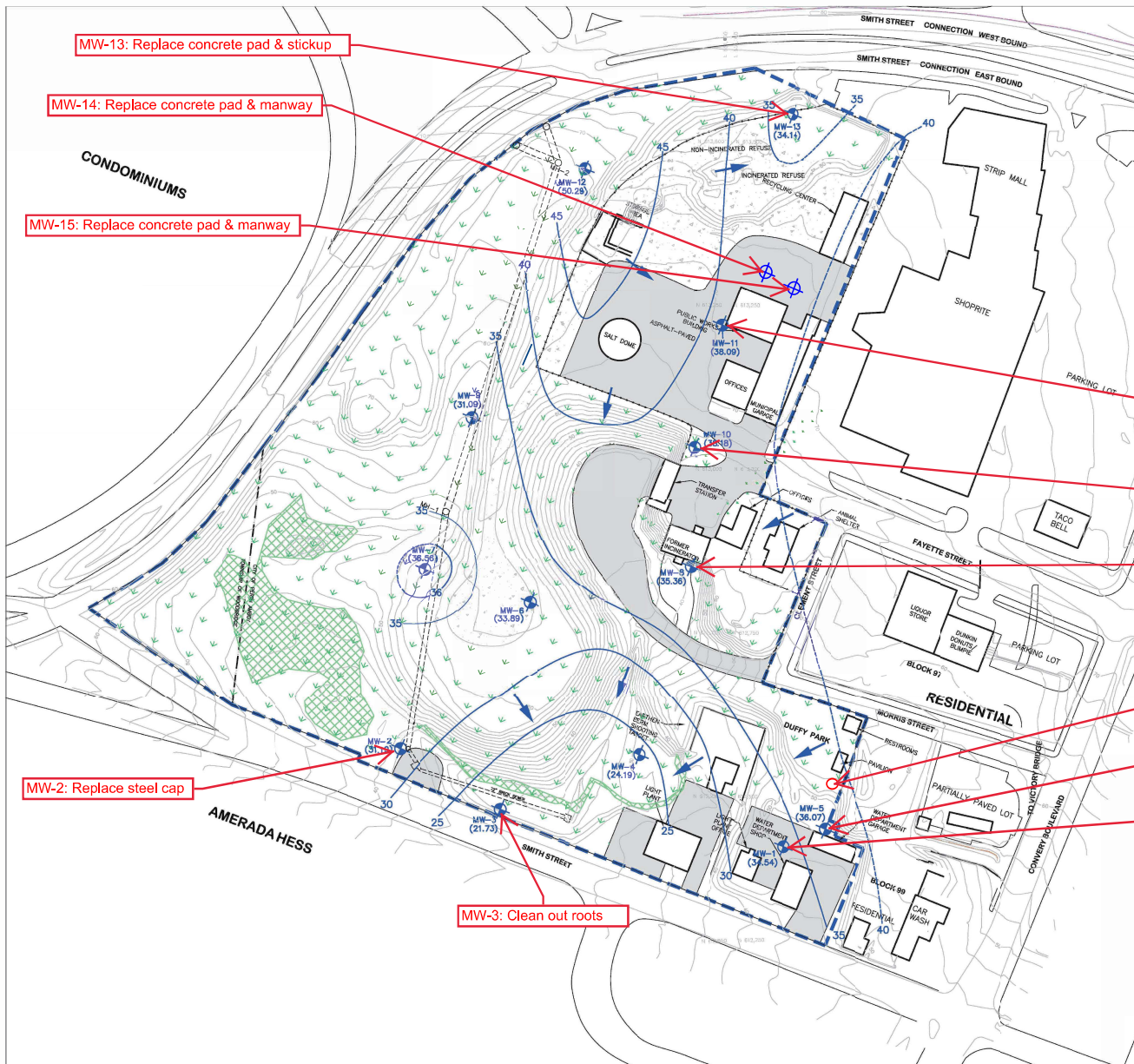
DPK Consulting, LLC conducted a survey of monitoring wells MW-5R, MW-8, MW-11, MS-13, MW-14, and MW-15 on February 21, 2023. Since no repairs were completed that impacted the surface elevation or the top of the well casing at MW-2, MW-3, or MW-7, they were not included in the survey. A map and coordinate table prepared by DPK Consulting, LLC is provided in **Attachment 5**. The signed and sealed Form Bs are provided in **Attachment 6**.

Attachments:

- Attachment 1 – Monitoring Well Repair Map
- Attachment 2 – Monitoring Well Repair Table
- Attachment 3 – MW-5R Well Permit
- Attachment 4 – MW-5R Construction Summary
- Attachment 5 – Monitoring Well Survey Map and Coordinate Table
- Attachment 6 – Surveyed Monitoring Wells - Form Bs

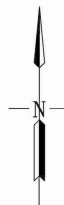


ATTACHMENT 1  
MONITORING WELL REPAIR MAP



**LEGEND:**

- PROPERTY BOUNDARY
- CHAIN-LINK FENCE
- PRINCETON HYDRO INC. WETLAND DELINEATION LINE, SURVEYED BY STIRES ASSOCIATES, INC. MAY 2006
- EXISTING STRUCTURE
- ASPHALT PAVEMENT
- GRAVEL
- VEGETATION
- MW-1
- (33.89) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (2/9/07)
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- INDICATES ESTIMATED GROUNDWATER FLOW DIRECTION



MW-13: Replace concrete pad & stickup

MW-14: Replace concrete pad & manway

MW-15: Replace concrete pad & manway

MW-11: Replace concrete pad & manway

MW-10: Abandon in place

MW-8: Replace concrete pad & stickup. Replace 10 ft. riser

MW-5: New Location

MW-5: Abandon in place

MW-2: Replace steel cap

MW-1: Abandon in place

MW-3: Clean out roots



		P.O. Box 2293, Medford Lakes, NJ 08055 T: 856-964-6456   brsinc.com	
PROJECT:		599 Fayette Street Perth Amboy, New Jersey	
DESCRIPTION:		Figure 2 Monitoring Well Repair Map	
Scale: 1" = 80'	Drawn by: SM	Date: 10/20/2022	

ATTACHMENT 2  
MONITORING WELL REPAIR TABLE

FORMER PERTH AMBOY MUNICIPAL LANDFILL - MONITORING WELL REPAIR SCHEDULE PERTH AMBOY DPW  
599 FAYETTE STREET, PERTH AMBOY, NEW JERSEY

**REVISION 4**

Well	Scope of Work	Well Depth	Diameter	Permit #	Type
MW-1	Abandon in place	22	4	2600078582	Flush
MW-2 (W-4)	Replace steel cap with j-plug*	21.5	4	26-9071-6	Stickup
MW-3 (W-3)	Not possible to reinstall due to location. Attempt to clean out roots in well with hand auger bucket*	20.5	4	26-9070-8	Stickup
MW-5	Abandon in place. Redrill in new location TBD.	23	2	2600082046	Stickup
MW-7	No repairs needed*	37.5	2	2600082024	Stickup
MW-8	Replace concrete pad and stickup, replace 10' riser*	18	2	2600082047	Stickup
MW-10	Abandon in place	32.5	2	2600082027	Stickup
MW-11	Replace concrete pad and manway*	35	2	2600082167	Flush
MW-13	Replace concrete pad and stickup*	63	2	2600082166	Stickup
MW-U1 (MW-14)	Replace concrete pad and manway*	40	2	E201203365	Flush
MW-U2 (MW-15)	Replace concrete pad and manway*	40	2	E201203366	Flush

\* Surge, redevelop and survey wells.

ATTACHMENT 3  
MW-5R WELL PERMIT

**MONITORING WELL RECORD**

**PROPERTY OWNER:** CITY OF PERTH AMBOY

Company/Organization: City of Perth Amboy

Address: 260 High St Perth Amboy City, New Jersey 08861

**WELL LOCATION:** Perth Amboy Landfill

Address: 589 Morris St / MW-5R confirmed by client / 7152

County: Middlesex Municipality: Perth Amboy City Lot: 23 Block: 98

Easting (X): 551163 Northing (Y): 612545  
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL STARTED:** February 16, 2023

**DATE WELL COMPLETED:** February 16, 2023

**WELL USE:** MONITORING

**Other Use(s):** \_\_\_\_\_

**Local ID:** MW-5R

**WELL CONSTRUCTION**

Total Depth Drilled (ft.): 32 Finished Well Depth (ft.): 32 Well Surface: Flush Mount

	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt/Rating/Screen # Used (lbs/ch no.)
Borehole	0	32	8		
Casing	0	22	2	PVC	schedule 40
Screen	22	32	2	pvc	10

	Depth to Top (ft.)	Depth to Bottom (ft.)	Outer Diameter (in.)	Inner Diameter (in.)	Material		
					Bentonite (lbs.)	Neat Cement (lbs.)	Water (gal.)
Grout	0	18	8	2	10	400	20
Gravel Pack	18	32	8	2		#1 sand	

Grouting Method: Pressure method (Tremie Pipe)

Drilling Method: Hollow Stem Augers

**ADDITIONAL INFORMATION**

Protective Casing: No

Static Water Level: 28 ft. below land surface

Water Level Measure Tool: water level meter

Well Development Period: 1 hrs.

Method of Development: typhoon (whale pump)

Pump Type: \_\_\_\_\_

Pump Capacity: \_ gpm

Total Design Head: \_ ft.

Drilling Fluid: \_\_\_\_\_

Drill Rig: 7822 geo prob

Health and Safety Plan Submitted? Yes

**ATTACHMENTS:**

**GEOLOGIC LOG**

0 - 2: brown PT - Peat, muck, and other highly organic soils top soil

2 - 5: red-brown SM - Silty sands, sand-silt mixtures soil

5 - 14: red WR - Weathered Rock shale

14 - 30: red-brown SM - Silty sands, sand-silt mixtures red silt sand

30 - 32: grey OH - Organic clays of medium to high plasticity clay

**ADDITIONAL INFORMATION:**

Driller of Record: David R Macaluso,  
ENV RESOURCE GEOTEC LICENSE # 978706

Company: MB DRILLING LLC



ATTACHMENT 4  
MW-5R CONSTRUCTION SUMMARY



**Boring ID:**  
MR-5R  
Permit: E220301104

<b>Project:</b> Perth Amboy Landfill		<b>Project Number:</b>		<b>Client:</b> NJEDA		<b>Logged By:</b> Emily Arnold	
<b>Address:</b> 589 Morris Street, Perth Amboy, NJ				<b>Drilling Contractor:</b> MB Drilling		<b>Drill Rig Type:</b> Geoprobe 7822 DT	
<b>DTW</b>	<b>Initial:</b> NA	<b>Date</b>	<b>Start:</b> 2/16/2023	<b>Driller Name:</b> Dave Macalus		<b>Diameter (in.)/Method:</b> Hollow-Stem Auger	
	<b>Stabilized:</b> NA		<b>Complete:</b> 2/17/2023	<b>End of Boring (ft. bgs):</b> 32		<b>Ground Elevation:</b> Unknown	

**Description of location:**

Depth (feet)	PID (ppm)	Recovery (in inches)	Lithology <b>Soil Group Name:</b> modifier, color, moisture, density/consistency, grain size, other descriptors <b>Rock Description:</b> modifier, color, hardness/degree of concentration, bedding/joint characteristics, solutions, void conditions	Graphic Log	Sample No. and Notes	
0.5	NM	NM	0-0.5 ft bgs - TOPSOIL			
1	NM					
1.5	NM					
2	NM					
2.5	NM					
3	NM					
3.5	NM					
4	NM					
4.5	NM					
5	NM					
5.5	NM					
6	NM					
6.5	NM					
7	NM					
7.5	NM					
8	NM					
8.5	NM	8-14 ft bgs - Weathered rock, possibly large boulder		Auger spinning, harder to drill		
9	NM					
9.5	NM					
10	NM					
10.5	NM					
11	NM					
11.5	NM					
12	NM					
12.5	NM					
13	NM					
13.5	NM					
14	NM					
14.5	NM	14-30 ft bgs - Red-brown sandy SILT, some gravel				
15	NM					
15.5	NM					
16	NM					

**NOTES:** NM - Not measured

	<b>Boring ID:</b>
	MR-5R Permit: E220301104

<b>Project:</b> Perth Amboy Landfill	<b>Project Number:</b>	<b>Client:</b> NJEDA	<b>Logged By:</b> Emily Arnold
<b>Address:</b> 589 Morris Street, Perth Amboy, NJ		<b>Drilling Contractor:</b> MB Drilling	<b>Drill Rig Type:</b> Geoprobe 7822 DT
<b>DTW</b>	Initial: NA	<b>Date</b>	Start: 2/16/2023
	Stabilized: NA		Complete: 2/17/2023
		<b>Driller Name:</b> Dave Macalus	<b>Diameter (in.)/Method:</b> Hollow-Stem Auger
		<b>End of Boring (ft. bgs):</b> 32	<b>Ground Elevation:</b> Unknown


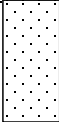
**Description of location:**

Depth (feet)	PID (ppm)	Recovery (in inches)	Lithology <u>Soil Group Name:</u> modifier, color, moisture, density/consistency, grain size, other descriptors <u>Rock Description:</u> modifier, color, hardness/degree of concentration, bedding/joint characteristics, solutions, void conditions	Graphic Log	Sample No. and Notes
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	<b>Boring ID:</b>
	MR-5R Permit: E220301104

<b>Project:</b> Perth Amboy Landfill	<b>Project Number:</b>	<b>Client:</b> NJEDA	<b>Logged By:</b> Emily Arnold
<b>Address:</b> 589 Morris Street, Perth Amboy, NJ		<b>Drilling Contractor:</b> MB Drilling	<b>Drill Rig Type:</b> Geoprobe 7822 DT
<b>DTW</b>	Initial: NA	<b>Date</b>	Start: 2/16/2023
	Stabilized: NA		Complete: 2/17/2023
		<b>Driller Name:</b> Dave Macalus	<b>Diameter (in.)/Method:</b> Hollow-Stem Auger
		<b>End of Boring (ft. bgs):</b> 32	<b>Ground Elevation:</b> Unknown

**Description of location:**

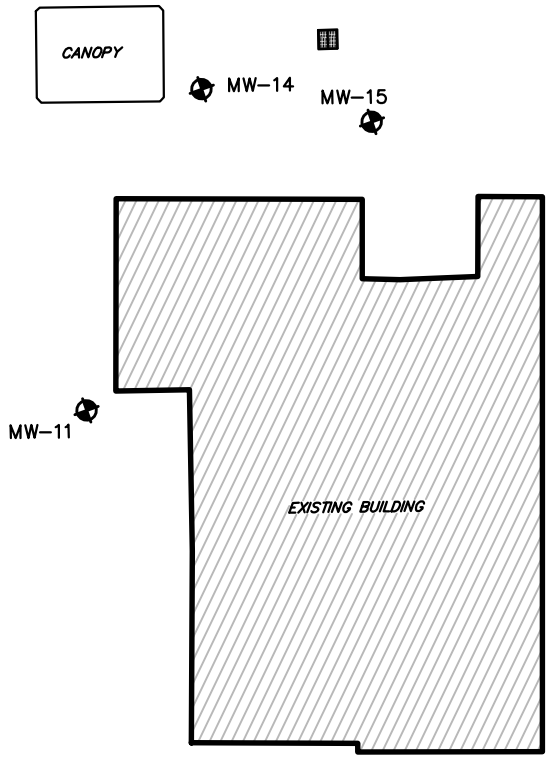
Depth (feet)	PID (ppm)	Recovery (in inches)	Lithology <u>Soil Group Name:</u> modifier, color, moisture, density/consistency, grain size, other descriptors <u>Rock Description:</u> modifier, color, hardness/degree of concentration, bedding/joint characteristics, solutions, void conditions	Graphic Log	Sample No. and Notes
16.5	NM	NM	14-30 ft bgs - Red-brown sandy SILT, some gravel		Well Construction: Flush Mount 22 - 0 ft bgs - 2" PVC Riser 32 - 22 ft bgs - 0.010-inch slotted screen
17	NM				
17.5	NM				
18	NM				
18.5	NM				
19	NM				
19.5	NM				
20	NM				
20.5	NM				
21	NM				
21.5	NM				
22	NM				
22.5	NM				
23	NM				
23.5	NM				
24	NM				
24.5	NM				
25	NM				
25.5	NM				
26	NM				
26.5	NM				
27	NM				
27.5	NM				
28	NM				
28.5	NM				
29	NM				
29.5	NM				
30	NM	30-32 ft bgs - Red-brown medium SAND		Silt and clay mixed in with cuttings	
30.5	NM				
31	NM				
31.5	NM				
32	NM	32 ft bgs - Gray CLAY (bottom of well)			

**NOTES:** NM - Not measured

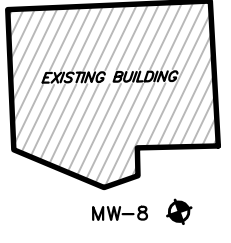
ATTACHMENT 5  
MONITORING WELL SURVEY MAP  
AND COORDINATE TABLE

ROUTE 440 CONNECTOR

6" HIGH CHAIN LINK FENCE  
MW-13



FAYETTE STREET

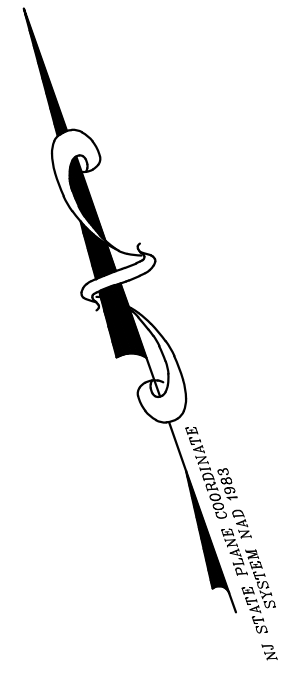


CLEMENT STREET

MORRIS STREET

8" HIGH CHAIN LINK FENCE  
CONC. CURB

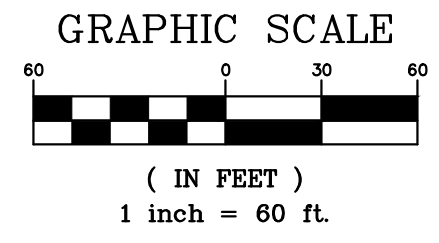
6" HIGH CHAIN LINK FENCE  
MW-5R



CONVERVY BOULEVARD

MONITORING WELLS	GROUND	RIM	PVC
MW-5R	57.29	57.51	56.86
MW-8	39.64	43.13 RISER	42.92
MW-11	70.43 PAVE	70.44	70.1
MW-13	83.51	87.10 RISER	86.91
MW-14	71.03 PAVE	71.02'	70.64
MW-15	70.39 PAVE	70.43'	69.97

- NOTES:
1. FIELD WORK PERFORMED ON FEBRUARY 21, 2023.
  2. ELEVATION DATUM MW-7 TOP OF INNER CASING PER PREVIOUS FORM B PREPARED BY RICHARD C MATTHEWS, P.L.S. DATED 2/9/2007 ELEVATION = 58.24 REPORTED TO BE NAVD88.



<p>SCALE: 1" = 60'</p>	<p>DATE: 02/22/2023</p>	<p>DESCRIPTION</p>	<p>BY: CHKD</p>	<p><b>DPK CONSULTING</b></p> <p>DPK CONSULTING, LLC 200 METROPOLIS DRIVE, SUITE 206, EDISON, NJ 08817 NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 24A304220</p>
<p>DRAWN BY: R.M.</p>	<p>CHKD BY: C.S.</p>	<p><b>MONITORING WELL LOCATION MAP</b></p> <p>FOR: <b>BRS INC.</b></p> <p>SITE: <b>599 FAYETTE STREET</b> <b>PERTH AMBOY</b> <b>MIDDLESEX COUNTY, NEW JERSEY</b></p>		<p>DATE 02/22/2023</p> <p>N.J. Lic: 24CS04331100 PA. Lic: SUD75616 N.Y. Lic: 050932-1 CT. Lic: 70476</p> <p><b>James J. Heiser</b> Professional Land Surveyor JHEISER@DPKCONSULTING.NET</p>
<p>DRAWING FILE: 23-9848MW00</p>		<p>SHEET</p> <p>1</p>	<p>PROJECT NUMBER: 23-9848</p>	<p>REV. 0</p>

**DPK Consulting, LLC**  
**200 Metroplex Drive Suite-285 Edison, New Jersey 08817**  
**Telephone: 732.764.0100 Fax: 732.764.0990 Email: Jheiser@dpkconsulting.net**

**For: BRS INC.**

**Site: 599 FAYETTE STREET, PERTH AMBOY, MIDDLESEX COUNTY, NEW JERSEY**

**Date of Survey: FEBRUARY 21, 2023**

**Project #23-9848**

**February 22, 2023**

**Horizontal Datum: N.J. STATE PLANE COORDINATE SYSTEM (NAD 83)**

**Vertical Datum: ON SITE DATUM**

**BENCHMARK: MW-7 TOP OF INNER CASING PER PREVIOUS FORM B PREPARED BY RICHARD C MATTHEWS, P.L.S. DATED 2/9/2007 ELEVATION = 58.24**

**REPORTED TO BE NAVD88**

**Additional Information:**

MONITORING WELLS	ELEVATIONS			COORDINATES			
	GROUND	RIM	PVC	NORTHING	EASTING	LATITUDE (N)	LONGITUDE (W)
MW-5R	57.29	57.51	56.86	612546	551184	40°30'53.63"	74°17'15.26"
MW-8	39.64	43.13 RISER	42.92	612840	550945	40°30'56.54"	74°17'18.34"
MW-11	70.43 PAVE	70.44	70.1	613220	550980	40°31'00.30"	74°17'17.88"
MW-13	83.51	87.10 RISER	86.91	613512	551040	40°31'03.18"	74°17'17.10"
MW-14	71.03 PAVE	71.02'	70.64	613303	551047	40°31'01.12"	74°17'17.01"
MW-15	70.39 PAVE	70.43'	69.97	613276	551094	40°31'00.85"	74°17'16.41"

ATTACHMENT 6  
SURVEYED MONITORING WELLS – FORM Bs



**New Jersey Department of Environmental Protection**  
**Site Remediation Program**

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Perth Amboy Department of Public Works

List all AKAs: \_\_\_\_\_

Street Address: 599 Fayette Street

Municipality: Perth Amboy (Township, Borough or City)

County: Middlesex Zip Code: 08861

Program Interest (PI) Number(s): \_\_\_\_\_ Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Perth Amboy

2. Well Location (Street Address) 260 High Street, Perth Amboy, NJ

3. Well Location (Municipal Block and Lot) Block# 95 Lot # 1

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): 2600082047

2. Site Well Number (As shown on application or plans): MW-8

3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:

Latitude: North 40°30'56.54" Longitude: West 74°17'18.34"

4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:

North 612840 East 550945

5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 42.92

Elevation Top of Outer casing: 43.13 RISER Elevation of ground: 39.64

Check one:  NAVD 88  NVGD29  On Site Datum  Other

6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).

BENCHMARK: MW-7 TOP OF INNER CASING PER PREVIOUS FORM B PREPARED BY RICHARD C MATTHEWS, P.L.S. DATED 2/9/2007 ELEVATION-58.24. REPORTED TO BE NAVD88

7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature: \_\_\_\_\_ Date 02/27/2023

Surveyor's Name: James J. Heiser License Number: 24GS04331100

Firm Name: DPK Consulting, LLC Certificate of Authorization #: 24GA28042200

Mailing Address 200 Metroplex Drive, Suite 285

City/Town: Edison State New Jersey Zip Code: 08817

Phone Number 732.764.0100 Ext.: \_\_\_\_\_ Fax: 732.764.0990





**New Jersey Department of Environmental Protection**  
**Site Remediation Program**

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Perth Amboy Public Works

List all AKAs: \_\_\_\_\_

Street Address: 599 Fayette Street

Municipality: Perth Amboy (Township, Borough or City)

County: Middlesex Zip Code: 08861

Program Interest (PI) Number(s): \_\_\_\_\_ Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City Of Perth Amboy

2. Well Location (Street Address) 599 Fayette Street, Perth Amboy, NJ

3. Well Location (Municipal Block and Lot) Block# 93/95 Lot # 6.03/1.0

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): 2600082167

2. Site Well Number (As shown on application or plans): MW-11

3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:

Latitude: North 40°31'00.30" Longitude: West 74°17'17.88"

4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:

North 613220 East 550980

5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 70.10

Elevation Top of Outer casing: 70.44 Elevation of ground: 70.43 PAVE

Check one:  NAVD 88  NVGD29  On Site Datum  Other

6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).

BENCHMARK:MW-7 TOP OF INNER CASING PER PREVIOUS FORM B PREPARED BY RICHARD C MATTHEWS, P.L.S. DATED 2/9/2007 ELEVATION-58.24. REPORTED TO BE NAVD88

7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature: \_\_\_\_\_

Date 02/27/2023

Surveyor's Name: James J. Heiser

License Number: 24GS04331100

Firm Name: DPK Consulting, LLC

Certificate of Authorization #: 24GA28042200

Mailing Address 200 Metroplex Drive, Suite 285

City/Town: Edison State New Jersey Zip Code: 08817

Phone Number 732.764.0100 Ext.: \_\_\_\_\_ Fax: 732.764.0990



**New Jersey Department of Environmental Protection**  
**Site Remediation Program**

**Monitoring Well Certification Form B - Location Certification**

Date Stamp  
 (For Department use only)

**SECTION A. SITE NAME AND LOCATION**

Site Name: Perth Amboy Public Works

List all AKAs: \_\_\_\_\_

Street Address: 599 Fayette Street

Municipality: Perth Amboy (Township, Borough or City)

County: Middlesex Zip Code: 08861

Program Interest (PI) Number(s): \_\_\_\_\_ Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City Of Perth Amboy

2. Well Location (Street Address) 599 Fayette Street, Perth Amboy, NJ

3. Well Location (Municipal Block and Lot) Block# 93/95 Lot # 6.03/1.0

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): 2600082166

2. Site Well Number (As shown on application or plans): MW-13

3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:

Latitude: North 40°31'03.18" Longitude: West 74°17'17.10"

4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:

North 613512 East 551040

5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 86.91

Elevation Top of Outer casing: 87.10 RISER Elevation of ground: 83.51

Check one:  NAVD 88  NVGD29  On Site Datum  Other

6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).

BENCHMARK:MW-7 TOP OF INNER CASING PER PREVIOUS FORM B PREPARED BY RICHARD C MATTHEWS, P.L.S. DATED 2/9/2007 ELEVATION-58.24. REPORTED TO BE NAVD88

7. Significant observations and notes:

**SECTION D. LAND SURVEYOR'S CERTIFICATION**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature: \_\_\_\_\_ Date 02/27/2023

Surveyor's Name: James J. Heiser License Number: 24GS04331100

Firm Name: DPK Consulting, LLC Certificate of Authorization #: 24GA28042200

Mailing Address 200 Metroplex Drive, Suite 285

City/Town: Edison State New Jersey Zip Code: 08817

Phone Number 732.764.0100 Ext.: \_\_\_\_\_ Fax: 732.764.0990



**New Jersey Department of Environmental Protection**  
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Date Stamp  
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**SECTION A. SITE NAME AND LOCATION**

Site Name: Perth Amboy Public Works

List all AKAs: \_\_\_\_\_

Street Address: 599 Fayette Street

Municipality: Perth Amboy (Township, Borough or City)

County: Middlesex Zip Code: 08861

Program Interest (PI) Number(s): \_\_\_\_\_ Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner Perth Amboy Public Works

2. Well Location (Street Address) 599 Fayette Street, Perth Amboy, NJ

3. Well Location (Municipal Block and Lot) Block# 95 Lot # 1

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201203365

2. Site Well Number (As shown on application or plans): MW-14

3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40°31'01.12" Longitude: West 74°17'17.01"

4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 613303 East 551047

5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 70.64  
 Elevation Top of Outer casing: 71.02' Elevation of ground: 71.03 PAVE  
 Check one:  NAVD 88  NVGD29  On Site Datum  Other

6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
BENCHMARK:MW-7 TOP OF INNER CASING PER PREVIOUS FORM B PREPARED BY RICHARD C MATTHEWS, P.L.S. DATED 2/9/2007 ELEVATION-58.24. REPORTED TO BE NAVD88

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Surveyor's Name: James J. Heiser License Number: 24GS04331100

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Date Stamp  
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**SECTION A. SITE NAME AND LOCATION**

Site Name: Perth Amboy Public Works

List all AKAs: \_\_\_\_\_

Street Address: 599 Fayette Street

Municipality: Perth Amboy (Township, Borough or City)

County: Middlesex Zip Code: 08861

Program Interest (PI) Number(s): \_\_\_\_\_ Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City Of Perth Amboy

2. Well Location (Street Address) 599 Fayette Street, Perth Amboy, NJ

3. Well Location (Municipal Block and Lot) Block# 95 Lot # 1

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E201203366

2. Site Well Number (As shown on application or plans): MW-15

3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:

Latitude: North 40°31'00.85" Longitude: West 74°17'16.41"

4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:

North 613276 East 551094

5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 69.97

Elevation Top of Outer casing: 70.43' Elevation of ground: 70.39 PAVE

Check one:  NAVD 88  NVGD29  On Site Datum  Other

6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).

BENCHMARK:MW-7 TOP OF INNER CASING PER PREVIOUS FORM B PREPARED BY RICHARD C MATTHEWS, P.L.S. DATED 2/9/2007 ELEVATION-58.24. REPORTED TO BE NAVD88

7. Significant observations and notes:

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Date Stamp  
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**SECTION A. SITE NAME AND LOCATION**

Site Name: Perth Amboy Landfill  
 List all AKAs: \_\_\_\_\_  
 Street Address: 599 Fayette Street  
 Municipality: Perth Amboy (Township, Borough or City)  
 County: Middlesex Zip Code: \_\_\_\_\_  
 Program Interest (PI) Number(s): \_\_\_\_\_ Case Tracking Number(s): \_\_\_\_\_

**SECTION B. WELL OWNER AND LOCATION**

1. Name of Well Owner City of Perth Amboy  
 2. Well Location (Street Address) 589 Morris Street  
 3. Well Location (Municipal Block and Lot) Block# 98 Lot # 23

**SECTION C. WELL LOCATION SPECIFICS**

1. Well Permit Number (This number must be permanently affixed to the well casing): E202301104  
 2. Site Well Number (As shown on application or plans): MW-5R  
 3. Geographic Coordinate NAD 83 to nearest 1/100 of a second:  
 Latitude: North 40°30'53.63" Longitude: West 74°17'15.26"  
 4. New Jersey State Plane Coordinates NAD 83 datum, US survey feet units, to nearest foot:  
 North 612546 East 551184  
 5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 56.86  
 Elevation Top of Outer casing: 57.51 Elevation of ground: 57.29  
 Check one:  NAVD 88  NVGD29  On Site Datum  Other  
 6. Source of elevation datum (benchmark, number/description and elevation/datum). If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation (referencing NAVD 88).  
BENCHMARK:MW-7 TOP OF INNER CASING PER PREVIOUS FORM B PREPARED BY RICHARD C MATTHEWS, P.L.S. DATED 2/9/2007 ELEVATION-58.24. REPORTED TO BE NAVD88  
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Professional Land Surveyor's Signature: \_\_\_\_\_ Date 02/27/2023  
 Surveyor's Name: James J. Heiser License Number: 24GS04331100  
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