

From: [Devin T Shay](#)
To: [Spellman, John \(DEC\)](#)
Cc: [Stucker, Steven P. \(Steven.Stucker@nationalgrid.com\)](mailto:Steven.Stucker@nationalgrid.com)
Subject: National Grid - Troy Water Street - PRR submittal
Date: Monday, June 6, 2022 12:37:58 PM
Attachments: [NGTroy4_2022_PRR.pdf](#)

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John –

Attached please find the 2022 PRR submittal for the National Grid site on Water Street in Troy (# 442029A).

Kindly respond to confirm receipt.

Thanks,
Devin

Devin T. Shay, PG
Program Manager / Principal Hydrogeologist

Office: 800.220.3069 ext. 4051
Mobile: 315.374.7648
dshay@GESonline.com

Groundwater & Environmental Services, Inc.
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East Syracuse, NY 13057

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June 6, 2022

Mr. John Spellman
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-70017

**Re: *National Grid Troy – Water Street Area 4 – Upland Site
Troy, New York
Site # 442029A
2022 Periodic Review Report***

Dear Mr. Spellman:

Attached for your review is the 2022 annual Periodic Review Report with the Institutional Controls / Engineering Controls Certification Forms for the National Grid Troy – Water Street Area 4 – Upland Site in Troy, NY (Site #442029A). The PRR pertains to the period from May 7, 2021 to May 6, 2022.

If you have any questions, please feel free to contact me at 315.428.5652.

Sincerely,

A handwritten signature in black ink, appearing to be 'S. Stucker', written in a cursive style.

for SPS

Steven P. Stucker, C.P.G.
Lead Environmental Engineer

Attachments

cc: Devin Shay - Groundwater & Environmental Services, Inc.

Periodic Review Report
National Grid Troy – Water Street Area 4 – Upland Site
Site No. 442029A
June 6, 2022

I. Executive Summary

- A. Brief Site Summary** - The Troy-Water Street Area 4 Upland Site (the Site) is a former landfill for waste associated with Manufactured Gas Plant (MGP) sites. The Site is owned by Rensselaer County and straddles the border between the Town of North Greenbush and the City of Troy. The Site runs approximately 2800 feet along the east bank of the Hudson River, spanning a total of approximately 8.5 acres.

An access agreement was granted by CSX on September 30, 2004, to begin environmental remediation work on the Site. Remedial construction was effectively completed in January 2006. Groundwater monitoring was conducted between 2007 and 2010, when monitoring was discontinued upon NYSDEC approval. Annual OM&M Reports have been submitted to the NYSDEC since 2007.

- B. Remedial Program Effectiveness** – During the reporting period (May 7, 2021, to May 6, 2022), the remedial objectives were met for the Site. The remedial program remains sufficient to achieve the long term remedial objectives for the Site.
- C. Remedial Program Compliance** - The major elements within the Operations, Maintenance, Monitoring and Site Management Plan are in compliance. Refer to the Annual Operations, Maintenance, and Monitoring (OM&M) Report (**Attachment 1**) that provides site-wide inspection forms and a summary of OM&M activities for the reporting period.
- D. Remedial Program Recommendations** - It is recommended that no changes be made to the OM&M Plan. It is recommended that the PRR submittal frequency (annual) remain the same. The next PRR submittal deadline would be June 5, 2023.

II. Site Overview

- A. Site Location and Boundaries** – The site comprises approximately 8.5 acres. A site location map is included in **Attachment 1**. The site straddles the boundary between the City of Troy and the Town of North Greenbush with 1.8 acres and 6.7 acres, respectively, in each municipality and is owned by Rensselaer County. Area 4 is approximately 2,800 feet long and is bordered by the Hudson River to

Periodic Review Report
National Grid Troy – Water Street Area 4 – Upland Site
Site No. 442029A
June 6, 2022

the west, a railroad spur owned by CSX Transportation to the east, a former asphalt batch plant owned by Chevron USA, Inc. to the north, and the Rensselaer County Publicly Owned Treatment Works (POTW) to the south. An access road to the POTW runs along the east side of Area 4.

B. Remedy Features – The remedial construction began in April 2003 and was completed in January 2006. Remedial measures included the excavation of impacted soil and tar weeps on the property. A Site Management Plan (SMP), including an Operations, Maintenance, and Monitoring (OM&M) Plan, was submitted in May 2007 and approved by the New York State Department of Environmental Conservation (NYSDEC) on June 22, 2007. Remedial components of the plan include:

- Engineered Cap
- Run-off Controls
- Retaining Wall System
- Deed Restrictions Limiting Future Development
- Tar Weep Removal from the Hudson River
- Tar Impacted Soil Removal from Area 4
- Cap/Geosynthetic Barrier Placed Over Tar-impacted Soils in the Peripheral Area
- Site Security Measures
- Environmental Monitoring

III. Evaluate Remedy Performance, Effectiveness and Protectiveness

A. Evaluation of Remedy Performance – The site is in compliance, with the security fence, final cover, and river bank protection continuing to serve their intended purpose. Since 2007, quarterly site inspections have been conducted on the following elements:

- Site Security (fence, gates, locks);
- Final Cover (vegetation, water ponding, cover damage, erosion);
- Final Cover (riprap erosion/displacement);
- Tar Weeps;
- Retaining Walls (pile walls, gabion walls); and
- Storm Water Measures (swales, culverts, downholes).

IV. Institutional Controls/ Engineering Controls (IC/EC) Plan Compliance Report

A. IC/EC Requirements and Compliance

1. IC/EC Controls -

The ICs/ECs include:

- Engineered Cap;
- Run-off Control;
- Retaining Wall System;
- Site Security Features; and
- Deed Restriction (executed on April 13, 2016)

2. IC/EC Goals –

The goal for each of these features include:

- Maintain the vegetative cover of the Engineered Cap by overseeding thinning areas, mowing and spraying overgrown areas that threaten the integrity of the cap, replacing eroded or compromised cap features, and relocating burrowed animals from the Site;
- Promote flow capacity of the Run-off Control by removing debris and obstructions in the drainage features;
- Maintain integrity of the Retaining Wall System by replacing stones in the gabion wall, as needed; and
- Repair breaches in the Site Security Features, including the fence, gates, locks, and signs.

3. IC/EC Corrective Measures – No deficiencies requiring attention were noted during the quarterly inspections aside from routine vegetative control (see Section VI – OM&M Plan Compliance Report for more details).

4. IC/EC Conclusions/Recommendations – Each goal is being met and/or working effectively. The program is in compliance and there are no recommendations at this time.

B. IC/EC Certification – Refer to PRR Form - **Attachment 2** for the certification.

V. Monitoring Plan Compliance Report

A. Monitoring Plan Requirements – The OM&M Plan dated May 2007 called for two (2) initial sampling events for characterization of groundwater on the Site. Samples were collected from four (4) monitoring wells on May 30-31, 2007, and on August 7, 2007. No BTEX or PAHs were detected in any of the monitoring wells during either of the two sampling events. NYSDEC requested one additional groundwater sampling event to be conducted in 2010 (letter dated January 22, 2008). This event was conducted on May 30, 2010, and resulted in no detections of any contaminants analyzed. The results of the three sampling events indicated no groundwater contamination on site, and thus NYSDEC granted permission to discontinue groundwater monitoring at the Site (letter dated October 3, 2011).

B. Monitoring Plan Compliance – Not applicable.

VI. OM&M Plan Compliance Report

A. OM&M Plan Requirements –

- Semi-annual site-wide inspections of the engineered cap, run-off control, retaining wall system, site security features, and the peripheral area along with needed maintenance and repairs to any of these features.
- Vegetation control and debris clearing as needed.

B. OM&M Plan Compliance –

- National Grid conducted quarterly inspections of the site and the remediation features during the reporting period. No damage or needed repairs were noted; however, the condition of these features will continue to be evaluated at each inspection visit.
- Annual mowing of the final cover and semi-annual weed spraying were conducted by ASPLUNDH Brush Control, Inc., as part of the vegetation control measures.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP

1. **Requirements** - All IC/EC Plan requirements were met during this reporting period.
2. **Exposure Pathways** – There are no new completed exposure pathways resulting in unacceptable risk.
3. **Proposed Plans and Schedule to Meet Compliance** – No plan proposed.

B. Performance and Effectiveness of the Remedy – The remedy as described by the ROD and executed by National Grid has been effective in meeting the program goals.

C. Future PRR Submittals – The frequency of PRR Submittals should remain annual. Therefore, the next PRR submittal deadline will be June 5, 2023.

VIII. Additional Guidance – During this reporting period seven (7) monitoring wells (MW-1A, MW-2A, MW-3A, MW-11, MW-13, MW-15, and MW-16) were abandoned per NYSDEC approval on June 3, 2021.

ATTACHMENT 1

2022 OM&M Report

November 1, 2021

Mr. John Spellman
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-70017

**Re: *National Grid Troy – Water Street Area 4 – Upland Site
Troy, New York
2021 OM&M Report***

Dear Mr. Spellman:

Attached for your information is the 2021 OM&M Report describing site OM&M activities conducted at the National Grid Troy – Water Street Area 4 – Upland Site in Troy, NY (refer to the site location map presented in ***Attachment A***). Per the NYSDEC letter dated October 3, 2011, groundwater monitoring has been discontinued. Quarterly inspections and routine O&M have continued in accordance with the OM&M Plan (BBL/ARCADIS, May 2007).

Site Inspections and General Maintenance

Since 2007, quarterly site inspections have been conducted and include the following elements:

- Site Security (fence, gates, locks);
- Final Cover (vegetation, water ponding, cover damage, erosion);
- Final Cover (riprap erosion/displacement);
- Tar Weeps;
- Retaining Walls (pile walls, gabion walls); and
- Storm Water Measures (swales, culverts, downchutes).

On June 3, 2021 the NYSDEC approved National Grid's request to abandon the seven (7) monitoring wells located on the Site. These monitoring wells were abandoned on September 20, 2021. A summary of the well abandonment work has been submitted as a separate letter, dated October 14, 2021. The site features are presented on the site plan (***Attachment A***).

The site inspection reports for December 16, 2020; March 4, 2021; June 10, 2021; and September 2, 2021, are included in ***Attachment B***.

In general, the site is in good condition. The security fence, final cover, and river bank protection are intact and continue to serve their intended purpose. Replenishment of stone and rip rap was conducted in August of 2021, including the placement of approximately 45 tons of #2 stone on the

Mr. John Spellman

November 1, 2021

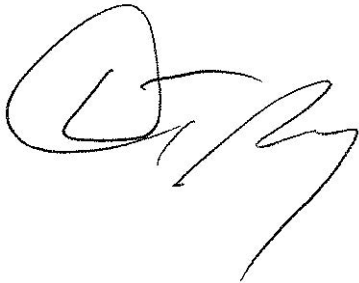
Page 2 of 2

roadway, and the placement of approximately 8 tons of rip rap along select areas of the fence line. .
The condition of these features is evaluated at each inspection visit.

As part of the routine vegetation control, mowing of the final cover (once per year) and weed spraying (twice per year) along the perimeter security fence were conducted by Asplundh Brush Control, Inc.

NG plans to continue quarterly site inspections, general maintenance (mowing, weed removal, and rip rap repair), and annual reporting. If you have any questions, please feel free to contact me at 315.428.5652.

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Stucker', with a large loop at the start and a long, sweeping underline.

for SPS

Steven P. Stucker, C.P.G.

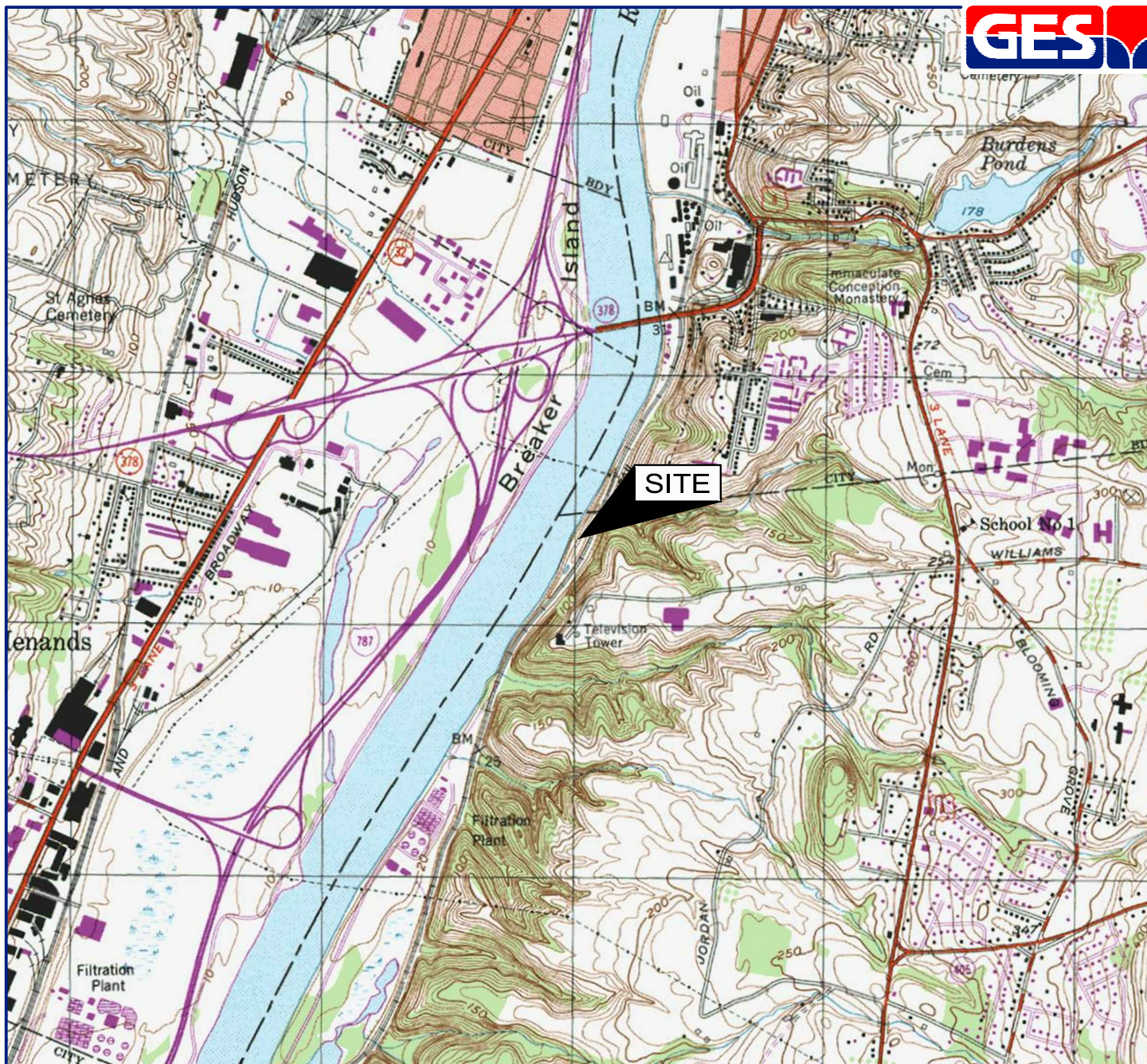
Lead Environmental Engineer

Attachments

cc: Devin Shay - Groundwater & Environmental Services, Inc.

ATTACHMENT A

SITE LOCATION MAP AND SITE PLAN



SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE 1980
TROY SOUTH, NEW YORK
CONTOUR INTERVAL = 10'

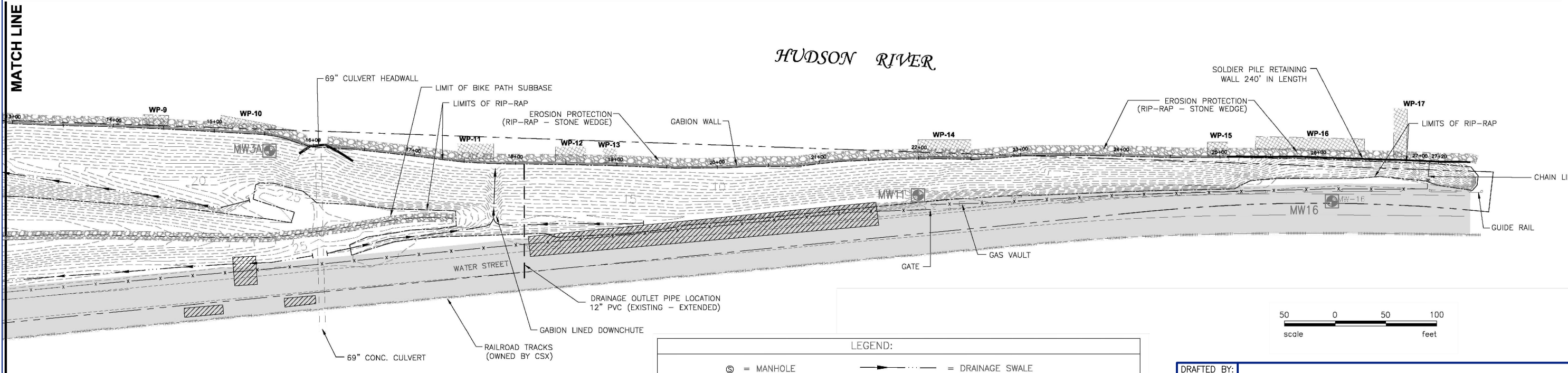
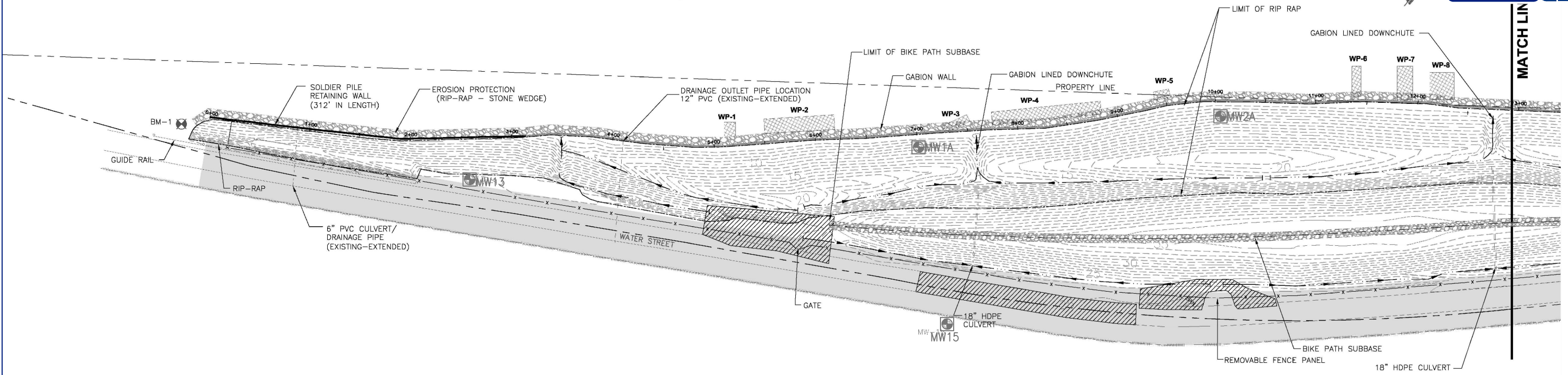


QUADRANGLE LOCATION

DRAFTED BY: W.G.S.	SITE LOCATION MAP		
CHECKED BY:	NATIONAL GRID S INT RIVER ROAD & WATER STREET TROY, NEW YORK		
REVIEWED BY:			
	Groundwater & Environmental Services, Inc.		
	5 TECHNOLOGY PLACE, SUITE 4, EAST SYRACUSE, NY 13057		
	SCALE IN FEET  0 2000	DATE 11-21-16	FIGURE 1

M:\Graphics\0600-Syracuse\Misc\National Grid\Troy (Water street)\Troy SM.dwg, B-, WShea

HUDSON RIVER



LEGEND

DESTROYED/ABANDONED WELL

LEGEND:	
	= MANHOLE
	= SANITARY VALVE
	= MONITORING WELL
	= GAS STANDPIPE
	= SITE STATIONING
	= RIP RAP WEDGE
	= FINAL GRADE
	= UTILITY CORRIDOR
	= GABION RETAINING WALL
	= SOLDIER PILE RETAINING WALL
	= DRAINAGE SWALE
	= ROAD
	= RAILROAD TRACKS
	= GUIDE RAIL
	= FENCE
	= PROPERTY LINE
	= LIMIT OF RIP RAP (FLOOD PROTECTION)
	= BENCHMARK
	= GEOMEMBRANE BARRIER (UTILITY CORRIDOR)
	= REMOVED TAR WEEP LOCATION AND ID



DRAFTED BY:	W.G.S.			SITE MAP	
CHECKED BY:				NATIONAL GRID	
REVIEWED BY:				S INT RIVER ROAD & WATER STREET	
				TROY, NEW YORK	
				Groundwater & Environmental Services, Inc.	
				6780 NORTHERN BOULEVARD, SUITE 100, EAST SYRACUSE, NY 13057	
				SCALE AS SHOWN	DATE
					10-7-21
					FIGURE

ATTACHMENT B

QUARTERLY SITE INSPECTION FORMS

Site Inspection
Troy-Water Street Area 4
Troy, New York

Date: 12/16/2020
 Technician: KL

Time: 11:00
 Weather: Cloudy 18

Site Security			
Fence Damage	YES	NO	COMMENTS: slight in a few areas
Gates Damage	YES	NO	
Locks Intact	YES	NO	
Signs Intact	YES	NO	
Evidence of Vandalism	YES	NO	

Final Cover - Vegetation				
Erosion of Soils	NONE	MINOR	SIGNIFICANT	
Deterioration of Vegetation	NONE	MINOR	SIGNIFICANT	
Wet Spots / Ponding of Water	NONE	MINOR	SIGNIFICANT	
Presence of Burrowing Animals	YES	NO		
Evidence of Vandalism	YES	NO		
Is Mowing Required?	YES	NO		

Final Cover - Rip-Rap				
Movement / Displacement	NONE	MINOR	SIGNIFICANT	COMMENTS:
Weeds / Trees	NONE	MINOR	SIGNIFICANT	
Evidence of Vandalism	YES	NO		

Evidence of Tar Weeps				
Water Street including the CSX Right of Way	NONE	MINOR	SIGNIFICANT	COMMENTS:
Exposed River Bottom-during low tide	NONE	MINOR	SIGNIFICANT	COMMENTS:

Retaining Walls					
Northern Soldier Pile Wall	Concrete Panel Damage	NONE	MINOR	SIGNIFICANT	COMMENTS:
	Steel Pile Damage	NONE	MINOR	SIGNIFICANT	
	Displacement / Settlement	NONE	MINOR	SIGNIFICANT	
	Vandalism	YES	NO		
Southern Soldier Pile Wall	Concrete Panel Damage	NONE	MINOR	SIGNIFICANT	COMMENTS:
	Steel Pile Damage	NONE	MINOR	SIGNIFICANT	
	Displacement / Settlement	NONE	MINOR	SIGNIFICANT	
	Vandalism	YES	NO		
Gabion Wall	Wire Basket Damage	NONE	MINOR	SIGNIFICANT	COMMENTS:
	Stone Fill Displacement	NONE	MINOR	SIGNIFICANT	
	Settlement / Undermining	NONE	MINOR	SIGNIFICANT	
	Alignment Changes	NONE	MINOR	SIGNIFICANT	
	Sediment Buildup Behind Wall	NONE	MINOR	SIGNIFICANT	
	Rip-Rap Wedge Displacement	NONE	MINOR	SIGNIFICANT	
	Vandalism	YES	NO		

Site Inspection
Troy-Water Street Area 4
Troy, New York

Technician: KL

Date: 12/16/2020

Stormwater Runoff Control Systems					
Drainage Swales	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Gabion Downchute	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	<i>Northern most downshute</i> Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
69" Culvert Inlet	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Northern 18" HDPE Culvert	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Into Downchute	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Southern 18" HDPE Culvert	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Into Downchute	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
12" PVC Drainage	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		

General Comments:

Site Inspection
Troy-Water Street Area 4
Troy, New York

Date: 3/4/2021
 Technician: KL

Time: 9:30
 Weather: Cloudy 35

Site Security			
Fence Damage	YES	NO	COMMENTS: slight in a few areas
Gates Damage	YES	NO	
Locks Intact	YES	NO	
Signs Intact	YES	NO	
Evidence of Vandalism	YES	NO	Graffiti on North Solder Pile Wall

Final Cover - Vegetation				
Erosion of Soils	NONE	MINOR	SIGNIFICANT	
Deterioration of Vegetation	NONE	MINOR	SIGNIFICANT	
Wet Spots / Ponding of Water	NONE	MINOR	SIGNIFICANT	
Presence of Burrowing Animals	YES	NO		
Evidence of Vandalism	YES	NO		
Is Mowing Required?	YES	NO		

Final Cover - Rip-Rap				
Movement / Displacement	NONE	MINOR	SIGNIFICANT	COMMENTS:
Weeds / Trees	NONE	MINOR	SIGNIFICANT	
Evidence of Vandalism	YES	NO		

Evidence of Tar Weeps				
Water Street including the CSX Right of Way	NONE	MINOR	SIGNIFICANT	COMMENTS:
Exposed River Bottom-during low tide	NONE	MINOR	SIGNIFICANT	COMMENTS:

Retaining Walls					
Northern Soldier Pile Wall	Concrete Panel Damage	NONE	MINOR	SIGNIFICANT	COMMENTS:
	Steel Pile Damage	NONE	MINOR	SIGNIFICANT	
	Displacement / Settlement	NONE	MINOR	SIGNIFICANT	
	Vandalism	YES	NO		Graffiti
Southern Soldier Pile Wall	Concrete Panel Damage	NONE	MINOR	SIGNIFICANT	COMMENTS:
	Steel Pile Damage	NONE	MINOR	SIGNIFICANT	
	Displacement / Settlement	NONE	MINOR	SIGNIFICANT	
	Vandalism	YES	NO		
Gabion Wall	Wire Basket Damage	NONE	MINOR	SIGNIFICANT	COMMENTS:
	Stone Fill Displacement	NONE	MINOR	SIGNIFICANT	
	Settlement / Undermining	NONE	MINOR	SIGNIFICANT	
	Alignment Changes	NONE	MINOR	SIGNIFICANT	
	Sediment Buildup Behind Wall	NONE	MINOR	SIGNIFICANT	
	Rip-Rap Wedge Displacement	NONE	MINOR	SIGNIFICANT	
	Vandalism	YES	NO		

Site Inspection
Troy-Water Street Area 4
Troy, New York

Technician: KL

Date: 3/4/2021

Stormwater Runoff Control Systems					
Drainage Swales	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Gabion Downchute	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	<i>Northern most downshute</i> Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
69" Culvert Inlet	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Northern 18" HDPE Culvert	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Into Downchute	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Southern 18" HDPE Culvert	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Into Downchute	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
12" PVC Drainage	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		

General Comments:

Site Inspection
Troy-Water Street Area 4
Troy, New York

Date: 6/10/2021
 Technician: KL

Time: 9:30
 Weather: Sunny 70

Site Security			
Fence Damage	YES	NO	COMMENTS: slight in a few areas
Gates Damage	YES	NO	
Locks Intact	YES	NO	
Signs Intact	YES	NO	
Evidence of Vandalism	YES	NO	

Final Cover - Vegetation				
Erosion of Soils	NONE	MINOR	SIGNIFICANT	
Deterioration of Vegetation	NONE	MINOR	SIGNIFICANT	
Wet Spots / Ponding of Water	NONE	MINOR	SIGNIFICANT	
Presence of Burrowing Animals	YES	NO		
Evidence of Vandalism	YES	NO		
Is Mowing Required?	YES	NO		tall grass

Final Cover - Rip-Rap				
Movement / Displacement	NONE	MINOR	SIGNIFICANT	COMMENTS:
Weeds / Trees	NONE	MINOR	SIGNIFICANT	
Evidence of Vandalism	YES	NO		

Evidence of Tar Weeps				
Water Street including the CSX Right of Way	NONE	MINOR	SIGNIFICANT	COMMENTS:
Exposed River Bottom-during low tide	NONE	MINOR	SIGNIFICANT	COMMENTS:

Retaining Walls					
Northern Soldier Pile Wall	Concrete Panel Damage	NONE	MINOR	SIGNIFICANT	COMMENTS:
	Steel Pile Damage	NONE	MINOR	SIGNIFICANT	
	Displacement / Settlement	NONE	MINOR	SIGNIFICANT	
	Vandalism	YES	NO		Graffiti on solder wall
Southern Soldier Pile Wall	Concrete Panel Damage	NONE	MINOR	SIGNIFICANT	COMMENTS:
	Steel Pile Damage	NONE	MINOR	SIGNIFICANT	
	Displacement / Settlement	NONE	MINOR	SIGNIFICANT	
	Vandalism	YES	NO		
Gabion Wall	Wire Basket Damage	NONE	MINOR	SIGNIFICANT	COMMENTS:
	Stone Fill Displacement	NONE	MINOR	SIGNIFICANT	
	Settlement / Undermining	NONE	MINOR	SIGNIFICANT	
	Alignment Changes	NONE	MINOR	SIGNIFICANT	
	Sediment Buildup Behind Wall	NONE	MINOR	SIGNIFICANT	
	Rip-Rap Wedge Displacement	NONE	MINOR	SIGNIFICANT	
	Vandalism	YES	NO		

Site Inspection
Troy-Water Street Area 4
Troy, New York

Technician: KL

Date: 6/10/2021

Stormwater Runoff Control Systems					
Drainage Swales	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Gabion Downchute	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	<i>Northern most downshute</i> Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
69" Culvert Inlet	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Northern 18" HDPE Culvert	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Into Downchute	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Southern 18" HDPE Culvert	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Into Downchute	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
12" PVC Drainage	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		

General Comments:

Site Inspection
Troy-Water Street Area 4
Troy, New York

Date: 9/2/2021
 Technician: KL/PL

Time: 12:30
 Weather: Sunny 65

Site Security			
Fence Damage	YES	NO	COMMENTS: slight in a few areas
Gates Damage	YES	NO	
Locks Intact	YES	NO	
Signs Intact	YES	NO	
Evidence of Vandalism	YES	NO	

Final Cover - Vegetation			
Erosion of Soils	NONE	MINOR	SIGNIFICANT
Deterioration of Vegetation	NONE	MINOR	SIGNIFICANT
Wet Spots / Ponding of Water	NONE	MINOR	SIGNIFICANT
Presence of Burrowing Animals	YES	NO	
Evidence of Vandalism	YES	NO	
Is Mowing Required?	YES	NO	

Final Cover - Rip-Rap			
Movement / Displacement	NONE	MINOR	SIGNIFICANT
Weeds / Trees	NONE	MINOR	SIGNIFICANT
Evidence of Vandalism	YES	NO	

Evidence of Tar Weeps			
Water Street including the CSX Right of Way	NONE	MINOR	SIGNIFICANT
Exposed River Bottom-during low tide	NONE	MINOR	SIGNIFICANT

Retaining Walls			
Northern Soldier Pile Wall	Concrete Panel Damage	NONE	MINOR
	Steel Pile Damage	NONE	MINOR
	Displacement / Settlement	NONE	MINOR
	Vandalism	YES	NO
Southern Soldier Pile Wall	Concrete Panel Damage	NONE	MINOR
	Steel Pile Damage	NONE	MINOR
	Displacement / Settlement	NONE	MINOR
	Vandalism	YES	NO
Gabion Wall	Wire Basket Damage	NONE	MINOR
	Stone Fill Displacement	NONE	MINOR
	Settlement / Undermining	NONE	MINOR
	Alignment Changes	NONE	MINOR
	Sediment Buildup Behind Wall	NONE	MINOR
	Rip-Rap Wedge Displacement	NONE	MINOR
	Vandalism	YES	NO

Site Inspection
Troy-Water Street Area 4
Troy, New York

Technician: KL/PL

Date: 9/2/2021

Stormwater Runoff Control Systems					
Drainage Swales	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Gabion Downchute	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	<i>Northern most downshute</i> Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
69" Culvert Inlet	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Northern 18" HDPE Culvert	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Into Downchute	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Southern 18" HDPE Culvert	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
Into Downchute	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		
12" PVC Drainage	Flow	NONE	LITTLE	SIGNIFICANT	COMMENTS:
	Free of Debris	UNOBSTRUCTED	OBSTRUCTED		
	Water Ponding	YES	NO		
	Vegetation Growth	YES	NO		
	Vandalism	YES	NO		

General Comments:

Rip Rap repair was completed on August 25, 2021.

ATTACHMENT C

PHOTO LOG

National Grid Troy 4 Site in Troy, NY Photo Log

December 16, 2020



Hudson River. View is to the south.



East bank of the Hudson River. View is to the north.

June 10, 2021

National Grid Troy 4 Site in Troy, NY Photo Log



East bank of the Hudson River. View is to the north.



Hudson River. View is to the south.

June 10, 2021

National Grid Troy 4 Site in Troy, NY Photo Log



Rip Rap along eastern shore of Hudson River. View is to the west.

August 25, 2021



Completed repair of the riprap.

National Grid Troy 4 Site in Troy, NY Photo Log



Completed repair of the riprap.

ATTACHMENT 2

IC / EC Certification Forms



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **442029A**

Site Name **NM - Area 4 Water St. - Troy MGP**

Site Address: 1000 River Road Zip Code: 12180

City/Town: Troy

County: Rensselaer

Site Acreage: 14.140

Reporting Period: May 06, 2021 to May 06, 2022

YES NO

1. Is the information above correct?

☒ ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☐ ☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development?

☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Commercial and Industrial

☒ ☐

7. Are all ICs in place and functioning as designed?

☒ ☐

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Description of Institutional ControlsParcelOwnerInstitutional Control

122-1-1

Rensselaer County Sewer

Ground Water Use Restriction
Soil Management Plan
Landuse RestrictionSite Management Plan
Landuse Restriction
Landuse Restriction
Site Management PlanGround Water Use Restriction
Site Management PlanMonitoring Plan
O&M Plan
Soil Management Plan
Monitoring Plan
O&M Plan
Soil Management Plan
Monitoring Plan
O&M Plan
Ground Water Use Restriction**Description of Engineering Controls**ParcelEngineering Control

122-1-1

Cover System
Cover System
Fencing/Access Control
Cover System
Fencing/Access Control

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☒ ☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 442029A

Box 6

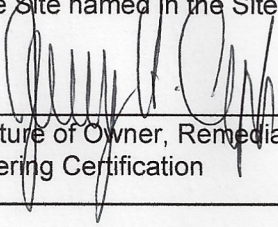
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 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.

I Gerald Cresap, PE at 6780 Northern Blvd., Suite 100, East Syracuse, NY 13057,
print name print business address

am certifying as Agent for National Grid (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

6/6/22
Date



EC CERTIFICATIONS

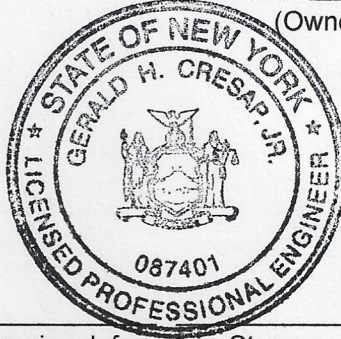
Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 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.

I Gerald Cresap, PE at 6780 Northern Blvd. Suite 100, East Syracuse, NY 13057,
print name print business address

am certifying as a Qualified Environmental Professional for the Agent for National Grid
(Owner or Remedial Party)



Handwritten signature of Gerald M. Cresap, Jr. in black ink.

Signature of Qualified Environmental Professional, for
the Owner or Remedial Party, Rendering Certification

Stamp
(Required for PE)

6/6/22
Date