Mr. Joshua Haugh
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
1130 North Westcott Road
Schenectady, New York 12306

Arcadis of New York, Inc.
One Lincoln Center
110 West Fayette Street
Suite 300
Syracuse
New York 13202
Phone: 315 446 9120
Fax: 315 449 0017
www.arcadis.com

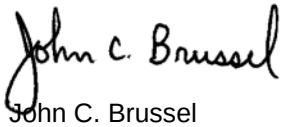
Date: July 27, 2022
Our Ref: 30061735
Subject: Erie Boulevard Hydropower, L.P.
(former Niagara Mohawk Power Corporation)
School Street Hydroelectric Station
Former Fire Training Area
NYSDEC Site #401044
2022 Periodic Review Report & IC/EC Form

Dear Mr. Haugh,

On behalf of Erie Boulevard Hydropower, L.P. (site owner) and National Grid (responsible party), please find the enclosed Periodic Review Report (PRR) and Institutional and Engineering Controls Certification Form (IC/EC form) for the former fire training area at the School Street Hydroelectric Station in the Town of Colonie, New York (the site). A PDF file containing the full PRR and IC/EC form and electronic attachments to the PRR will be provided via e-mail.

Please do not hesitate to contact Mr. Brian M. Stearns, P.E. of National Grid (responsible party project manager at 315.428.5731 or brian.stearns@nationalgrid.com), Mr. Colin O'Connor of Brookfield Renewable (site owner representative at 518.615.9355 or colin.o'connor@brookfieldrenewable.com), or the undersigned if you have any questions or require additional information.

Sincerely,
Arcadis of New York, Inc.



John C. Brussel
Principal Engineer

Email: John.Brussel@Arcadis.com
Direct Line: 315.671.9441

CC: Mr. Richard Mustico, New York State Dept. of Environmental Conservation (via e-mail)
Ms. Julia Kenney, New York State Dept. of Health (via e-mail)
Reference Desk, Cohoes Public Library (via US Mail)
Mr. Brian M. Stearns, PE, National Grid (via e-mail)

Mr. Joshua Haugh
New York State Department of Environmental Conservation
July 27, 2022

Mr. Joseph S. Giordano, National Grid (via e-mail)
Mr. Colin O'Connor, Brookfield Renewable (via e-mail)
Mr. Terry W. Young, PE, Arcadis of New York, Inc. (via e-mail)
Mr. Lawrence C. Healy, Arcadis (via e-mail)

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. 401044

Site Name School Street Fire Training Area

Site Address: North Mohawk Street / Crescent Road Zip Code: 12047
City/Town: Colonie
County: Albany
Site Acreage: 1.018

Reporting Period: July 07, 2019 to July 07, 2022

	YES	NO
1. Is the information above correct?	X	☐
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?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
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?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

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

SITE NO. 401044 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
5.01-1-30	Erie Boulevard Hydropower, L.P.	Landuse Restriction Ground Water Use Restriction Soil Management Plan Site Management Plan IC/EC Plan Monitoring Plan O&M Plan

A series of Institutional Controls (ICs) is required by the ROD to: (1) implement, maintain and monitor Engineering Control (EC) systems; (2) prevent future exposure to remaining contamination by controlling disturbance of the subsurface material beneath the soil cover system; and, (3) limit the use and development of the site to commercial and industrial uses only. Adherence to these ICs on the site is required by the Environmental Easement and is implemented under the Site Management Plan. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The IC boundaries are the same as the soil cover system limits as shown in the SMP. These ICs are:

• The property may be used for commercial and industrial purposes;

• All ECs must be operated and maintained as specified in this SMP;

• All ECs must be inspected at a frequency and in a manner defined in the SMP;

• The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) or the Albany Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the NYSDEC.

• Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;

• All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;

• Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;

• Maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;

• Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement; and

• Vegetable gardens and farming on the site are prohibited;

Box 4

Description of Engineering Controls

Parcel	Engineering Control
5.01-1-30	Cover System

• Soil Cover System: Exposure to remaining contamination at the site is prevented by a soil cover system placed over the site. This soil cover system will be maintained by the Property Owner and may consist of either: (1) a minimum of 12 inches of clean soil; or (2) structures such as buildings, pavement or sidewalk. The 12-inch-thick clean soil cover consists of vegetative soil, a gravel access road, and gravel construction staging areas. The SMP shows the location of the soil cover system. The

Parcel Engineering Control

excavation work plan (EWP) provided in the SMP outlines the procedures required to be implemented in the event the soil cover system is breached, penetrated or temporarily removed, and any underlying remaining impacts are disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan provided in the SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a task-specific Health and Safety Plan (HASP) and associated Community Air Monitoring Plan (CAMP) prepared for the site and provided in the SMP. The HASP and CAMP provided in the SMP may be used as guides or templates by the party performing ground-intrusive work under the EWP. The party performing the work is responsible for addressing task-specific hazards/hazard controls, and must verify that its HASP is in current compliance with DER-10; Title 29, Section 1910 of the Code of Federal Regulations (29 CFR 1910); 29 CFR 1926; and other applicable federal, state, and local regulations. The soil cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals by the Responsible Party in accordance with the SMP in perpetuity.

Box 5

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 compete.

YES	NO
X	☐

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.

* Refer to the Addendum for further information on Items 2(b) through 2(e).	YES	NO
	X	☐

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. 401044

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 Thomas Uncher (print name) at 399 Big Bay Road, Queensbury, NY 12804 (print business address),

am certifying as Designated Representative of Owner (Owner or Remedial Party)

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

[signature] 7/27/22

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

EC CERTIFICATIONS

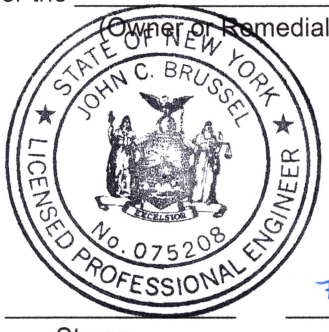
Box 7

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 John C. Brussel (print name) at Arcadis of New York, Inc., One Lincoln Center, 101 West Fayette Street, Suite 300, Syracuse, New York 13202 (print business address),

am certifying as a Qualified Environmental Professional for the Remedial Party (Niagara Mohawk Power Corporation) (Owner or Remedial Party)



John C. Brussel — Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

7/27/22 — Date

Addendum to NYSDEC
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form
School Street Fire Training Area

This Addendum supplements and explains the information provided in Box 5, question 2.

- Q.2.(b) and Q.2.(d) – The word "nothing" is an absolute, all-encompassing term. In answering "Yes" to these questions, we can only affirm that to the best of our information and belief after appropriate inquiry, we are aware of no items falling in these categories.

- Q.2.(c) – Erie Boulevard Hydropower, L.P. will continue to provide site access to the Department. (This can only be and is attested to by Erie Boulevard Hydropower, L.P.).

- Q.2.(e) – Any financial assurance mechanism required of Erie Boulevard Hydropower, L.P. remains valid and sufficient. (Again, this can only be and is attested to by Erie Boulevard Hydropower, L.P.).

Note: The Box 7 engineering certification is also subject to the engineering certification contained in the inside front cover of the 2022 PRR.

Attestations:

For Erie Boulevard Hydropower, L.P.

_____ Dated: 7/27/22
Thomas Uncher
Vice President

For Arcadis of New York, Inc.

John C. Brussel Dated: 7/27/22
John C. Brussel, P.E.
Principal Engineer/Certified Project Manager

Erie Boulevard Hydropower, L.P.

2022 PERIODIC REVIEW REPORT

Former Fire Training Area
School Street Hydroelectric Station
Town of Colonie, New York
NYSDEC Site #401044

July 2022

2022 PERIODIC REVIEW REPORT

Former Fire Training Area
School Street Hydroelectric Station
Town of Colonie, New York

July 2022

Prepared By:
Arcadis of New York, Inc.
One Lincoln Center, 110 West Fayette Street, Suite 300
Syracuse, New York 13202
Phone: 315 446 9120
Fax: 315 449 0017

Prepared For:
National Grid
300 Erie Boulevard West
Syracuse, New York 13202

and

Erie Boulevard Hydropower, L.P.
399 Big Bay Road
Queensbury, NY 12804

Our Ref:
30061735

CERTIFICATION PAGE

I, John C. Brussel, P.E. of Arcadis of New York, Inc. (Arcadis) at One Lincoln Center, 110 West Fayette Street, Suite 300 of Syracuse, New York, certify that I am currently a New York State registered professional engineer and I had direct responsibility for the site inspections performed at the School Street Hydroelectric Station Site (Site #401044) during the period between July 7, 2019 and July 7, 2022. The inspections were performed to confirm the effectiveness of each institutional and engineering control for the Site, as required by the New York State Department of Environmental Conservation- (NYSDEC-) approved Site Management Plan (June 2016). The inspections were performed by persons under my direction on behalf of Erie Boulevard Hydropower, L.P. (site owner) and National Grid, which is responsible for the performance of the existing remedy. Based on my inquiry of Erie Boulevard Hydropower, L.P. and persons under my directions who performed the activities summarized herein, I certify that the following statements are true:

- The institutional and engineering controls employed at this Site are unchanged from the date the controls were put in place, or last approved by the NYSDEC;
- There are no apparent changes that would impair the ability of the controls to protect the public health and environment;
- There are no apparent occurrences that would constitute a violation or failure to comply with any site management plan for the controls;
- Access to the Site will continue to be provided to the NYSDEC and National Grid to evaluate the remedy, including access to evaluate the continued maintenance of the controls;
- Use of the Site is complaint with the environmental easement;
- The site inspections and sampling data (if any) demonstrate that the engineering control systems are performing as designed and effective;
- 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 in this report is accurate and complete.

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, John C. Brussel P.E., of Arcadis, am certifying as the Owner's and Remedial Party's Designated Site Representative for the Site.

John C. Brussel 7/27/22

John C. Brussel, P.E.
NYS PE License No. 075208

Contents

In-Text Tables

Figures

Appendix

ELECTRONIC ATTACHMENTS

Acronyms and Abbreviations

CD	compact disc
COC	Certificate of Completion
CY	cubic yards
EE	Environmental Easement
ESA	Environmental Site Assessment
IC/EC	Institutional Controls/Engineering Controls
IRM	interim remedial measure
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
PCB	polychlorinated biphenyl
PFAS	per- and polyfluoroalkyl substances
ppm	parts per million
PRR	Periodic Review Report
PSA	Preliminary Site Assessment
RI	Remedial Investigation
ROD	Record of Decision
SMP	Site Management Plan
TAGM	Technical and Administrative Guidance Memorandum
TOGS 1.1.1	NYSDEC Division of Water, Technical and Operational Guidance Series Document Entitled, Ambient Water Quality Standards and Guidance Values, dated June 1998, last amended June 2004

Executive Summary

The Institutional Controls and Environmental Controls (IC/ECs) were evaluated for this Periodic Review Report (PRR) by conducting an inquiry of the property owner and performing site-wide inspections in accordance with the New York State Department of Environmental Conservation- (NYSDEC-) approved Site Management Plan (SMP; Arcadis 2016) and the Environmental Easement (EE; Site #4-01-044, Index No. A4-046-003; NYSDEC 2017) for the SMP Area at the School Street Hydroelectric Station in the Town of Colonie, New York (the Site). The ongoing requirements established in the SMP and EE, including the site inspections documented in this PRR, apply only to onsite areas encompassed by the final soil cover system (the SMP Area).

Based on the results of the periodic review activities described herein, the IC/ECs are in place, functionally unchanged, performing properly, and remain protective of human health and the environment. The soil cover system (vegetative soil, a gravel access road, and gravel construction staging areas) prevent direct contact exposure to underlying soil containing residuals. Erie Boulevard Hydropower L.P. and/or National Grid will continue to perform annual site-wide inspections and develop triennial PRRs. No changes to the SMP are currently proposed.

1 Introduction and Site Overview

This 2022 Periodic Review Report (PRR) has been prepared on behalf of Erie Boulevard Hydropower, L.P. and National Grid to document the performance, effectiveness, and protectiveness of the remedy at the School Street Hydroelectric Station in the Town of Colonie, New York (Site #4-01-044). This PRR documents compliance with the Site Management Plan (the "SMP"; Arcadis 2016) and the Environmental Easement (the "EE"; NYSDEC 2017). The ongoing requirements established in the SMP and EE, including the site inspections documented in this PRR, apply only to onsite areas encompassed by the final soil cover system (the SMP Areas). Compliance with the SMP and the EE was evaluated based on inquiries of the site owner (Erie Boulevard Hydropower) and site inspections. The SMP was prepared to manage residuals onsite, as required by the EE and in accordance with the Environmental Conservation Law Article 71, Title 36. This report covers the time period between July 7, 2019 and July 7, 2022.

This report has been prepared in accordance with:

- The SMP, EE (as Appendix A of the SMP), and the Certificate of Completion (COC), which are included as electronic attachments on the attached compact disc (CD).
- New York State Department of Environmental Conservation's (NYSDEC's) document titled, "DER-10/Technical Guidance for Site Investigation and Remediation", dated May 3, 2010 (NYSDEC 2010a; "DER-10").

1.1 Report Organization

This PRR has been organized in the following sections:

Table 1-1: Report Organization

Section	Purpose
Executive Summary	Summarizes the PRR.
1. Introduction	Briefly summarizes the site background information, site history, site characterization, remedial activities, regulatory history, and remaining residuals.
2. Description of Institutional and Engineering Controls	Describes the Institutional and Engineering Controls (IC/EC) employed at the Site to be protective of human health and the environment.
3. Evaluation of Remedy Performance, Effectiveness, and Protectiveness	Presents results of the EC inspection and evaluation. Provides the IC/EC certifications.
4. Conclusions and Recommendations	Provides the conclusions and recommendations of the PRR.
5. References	Presents the references for all documents cited in this report.

1.2 Background Information

This section presents relevant background information. A site description is presented below, followed by relevant historical information and the regulatory history for the Site.

1.2.1 Site Location and Description

The School Street Hydroelectric Station is located in the Town of Colonie and City of Cohoes, Albany County, New York. The SMP Area, which includes the former fire training area at the School Street Hydroelectric Station, is within Section 5.01, Block 1, and Lot 30 on the Town of Colonie Tax Map. A site location map is presented as Figure 1. The generating station is located along the south bank of the Mohawk River, which flows southeasterly through the City of Cohoes. An upland portion of the hydroelectric station property in the Town of Colonie was formerly used by Niagara Mohawk for fire training activities. This isolated portion of the generating station, including the land immediately around the former fire training area that was subject to remediation, comprise the SMP Area.

The former fire training area is approximately 115 feet long by 35 feet wide, sloping east. Surface topography in the vicinity of the former fire training area slopes gently to the southeast to the top of the riverbank. The adjacent riverbank slope ranges from relatively flat southeast of the former fire training area to fairly steep directly east of the former fire training area (up to 23 feet above the typical water level). The SMP Area is bordered by the Mohawk River to the east and Crescent Road / North Mohawk Street to the west (see Figure 2 - Site Plan). The boundaries of the SMP Area are more fully described in the EE.

The Site is zoned as a vacant public utility which correlates to the NYSDEC's definition for industrial use. The land around the SMP Area consists of fields and some trees, with an access road leading to the area. The portion of the Site containing the SMP Area is fully enclosed by chain link fence and locking gates within the industrial property (the hydroelectric station). The properties adjoining the hydroelectric station primarily include industrial and commercial lots with neighborhoods beyond these properties.

1.2.2 Site History

Fire training activities were conducted in the SMP Area of the Site during the summer and fall from approximately 1968 to 1980. The fire training activities consisted of igniting oil (including transformer oil) that was piped to or poured over training props and then extinguishing the flames using a combination of dry chemical fire extinguishers and water pumped from the river. The training props, an oil storage tank, and piping were removed following discontinuation of the fire training activities at the Site.

1.2.3 Regulatory and Remedial Program History

Key components of the remedial program and associated dates are presented in Table 1-2 below.

Table 1-2: Remedial Program Chronology

Activity/Report	Dates
Phase I Environmental Site Assessment (ESA)	April 1998

Activity/Report	Dates
Phase II ESA	August 1999
Preliminary Site Assessment (PSA)	March – November 1999
Remedial Investigation (RI)	2000 and 2001
Soil Removal Interim Remedial Measure (IRM)	July – October 2002
IRM Summary Report	March 2003
Focused Feasibility Study	October 2004
Record of Decision	August 2007
Pre-Remediation Sediment Probing and Sampling	August 2007
Remedial Design	October 2007
Nearshore Sediment Removal Activities	January – February 2008
Remedial Action Summary Report	July 2008
Per- and Polyfluoroalkyl Substances (PFAS) Groundwater Investigation	December 2016
Monitoring Well Decommissioning	November 2017
2019 Periodic Review Report	August 2019

The initial field investigations (Phase II ESA and PSA) identified polychlorinated biphenyls (PCBs) in surface and subsurface soil samples from the former fire training area at concentrations greater than the 50 parts per million (ppm) regulatory criteria for disposal as a Toxic Substance Control Act-regulated PCB waste and New York State listed hazardous waste. PCBs were also detected in sediment samples at concentrations greater than applicable NYSDEC sediment screening guidance values. Based on the PSA results, the NYSDEC listed the former fire training area in the New York State Registry of Inactive Hazardous Waste Disposal Sites (Site No. 4-01-044) and Niagara Mohawk Power Corporation (now doing business as National Grid) entered into the Consent Order on March 21, 2000 to develop and implement remedial measures for the Site.

1.2.3.1 Site Investigation History

After the Consent Order was executed, an RI and subsequent investigations were performed to evaluate and delineate the extent of impacts at the Site. The investigations before and after the Consent Order generally consisted of:

- Collecting 71 surface and 50 subsurface soil samples from the former fire training area and areas immediately around the former fire training area.
- Installing one overburden monitoring well (MW-2S) and four bedrock monitoring wells (MW-1, MW-2D, MW-3, and MW-4) to facilitate groundwater characterization at the Site.

- Collecting multiple rounds of groundwater samples during the PSA/RI and following the IRM to evaluate groundwater conditions.
- Performing groundwater sampling following the final remediation to assess the potential presence of PFAS in groundwater within the former fire training area.
- Conducting sediment probing along 12 transects (transects T-1 through T-12) as part of the PSA and RI to determine the thickness of accumulated sediment and the depth of water above the sediment in the Mohawk River and the power canal.
- Collecting sediment samples from 27 PSA, RI, and IRM sampling locations within the Mohawk River and power canal to evaluate the presence and extent of site-related impacts to sediment.
- Conducting additional sediment probing/sampling in support of the final remediation (involving sediment removal) along four revisited PSA/RI transects and four new transects in the Mohawk River to verify previous sediment conditions and evaluate disposal requirements for dredged sediment.

The results of the investigations performed through 2007 served as the basis for the remedial activities conducted at the Site. Based on the results of these investigation activities, the extent of impacted soil, groundwater, and sediment was sufficiently characterized to implement remedial measures. The PFAS groundwater investigation performed in 2016 (following completion of the earlier soil and groundwater remedial activities) determined that PFAS are not a concern for groundwater at the Site.

1.2.4 Summary of Remedial Action

Remedial activities have been implemented to address environmental impacts within upland portions of the former fire training area and sediment in the nearshore area of the Mohawk River, adjacent to the former fire training area. The remedial activities implemented at the Site are summarized below.

1.2.4.1 Former Fire Training Area Soil Removal (2002 IRM)

As described in the Final Engineering Report (Arcadis 2017a), National Grid implemented IRM activities during 2002 that resulted in the removal of PCB-impacted soil, as follows:

- Surface soil (0- to 1-foot deep) containing PCBs at concentrations greater than 1 ppm (i.e., the commercial use soil cleanup objective presented in Title 6 of the New York Codes, Rules and Regulations [6 NYCRR Part 375-6.8b] and the surface soil cleanup level presented in the NYSDEC Final Commissioner Policy CP-51/Soil Cleanup Guidance, issued October 2010 [CP-51]).
- Subsurface soil (>1 foot deep) containing PCBs at concentrations greater than the 10 ppm subsurface soil cleanup level in CP-51.

National Grid also removed visibly oil-stained soil and surface soil where semi-volatile organic compounds were identified at elevated concentrations (i.e., concentrations exceeding the antecedent NYSDEC soil cleanup objectives presented in Technical and Administrative Guidance Memorandum entitled, “Determination of Soil Cleanup Objectives and Cleanup Levels,” HWR-94-4046, dated January 24, 1994 [TAGM 4046]). The soil removal area is shown on Figure 3.

In total, approximately 3,950 in-place cubic yards (CY) of soil and sediment were removed from the former fire training area at depths ranging from the ground surface to 5 feet below ground surface or bedrock, whichever was

encountered first. A minimum of 12 inches of clean imported fill meeting the requirements of a soil cover system in 6 NYCRR Part 375-3.8(e)(4)(iii)(b)(1) was placed over excavated areas where verification soil analytical results indicated the presence of residual PCBs at concentrations between 1 ppm and 10 ppm. Prior to placing the backfill, geotextile fabric was installed along the excavation sidewalls (where possible) to designate the horizontal limits of the excavation. Geotextile material was not placed on the excavation bottoms, most of which coincided with the top of bedrock. Backfill material was not placed on steep sections of the riverbank, including sections where bedrock was exposed.

1.2.4.2 Nearshore Sediment Removal Activities

In early 2008, National Grid removed sediment from the nearshore area of the Mohawk River (within an approximately 200-foot long by 15-foot wide area). PCBs had been identified in sediment within 10 feet from the shoreline at concentrations up to 14 ppm, and average PCB concentrations within the sediment removal area were as follows:

- 4.7 ppm in sediment within approximately 4 feet from the shoreline.
- 2.4 ppm in sediment between approximately 4 feet and 10 feet from the shoreline.

Approximately 100 CY of sediment were removed using a conventional clamshell bucket from a crane positioned in the upland area. Sediment was removed to a depth of 1-foot below the sediment surface or the top of bedrock, whichever was encountered first, throughout most of the area. In one area, sediment removal extended to a depth of 1.5 feet below the sediment surface. An imported washed sand backfill material was placed in the sediment removal area to the approximate pre-removal grades.

Turbidity barriers were installed to section off the sediment removal area from the remainder of the river and minimize potential sediment migration during removal. Surface water monitoring was also performed throughout sediment removal operations, at locations upstream and downstream from the sediment removal area and included hourly turbidity measurements and twice daily surface water samples for laboratory analysis for PCBs. The hourly turbidity measurements downstream and upstream from the sediment removal area were similar throughout the sediment removal, with the difference never exceeding the 10 nephelometric turbidity unit action level. In addition, no PCBs were detected above the 0.05 part per billion (ppb) laboratory detection limit in any of the twice-daily surface water samples collected before, during, and after sediment removal activities.

1.2.5 Remaining Site Residuals

PCB residuals are present in subsurface soil below the soil cover system at concentrations greater than 1 ppm but less than 10 ppm. Subsurface soil beneath the cover system represents the only remaining onsite material that is known to contain constituents of interest at concentrations above the NYSDEC commercial use soil cleanup objectives.

PCB concentrations remaining in sediment are within the background range for sediments at an average concentration of 0.032 ppm.

Post-IRM groundwater monitoring data show that groundwater in and around the former fire training area meets the NYSDEC groundwater quality standards presented in Division of Water, Technical and Operational Guidance Series document entitled, “Ambient Water Quality Standards and Guidance Values,” dated June 1998 and revised in April 2000 and June 2004 (TOGS 1.1.1). In addition, the PFAS groundwater investigation showed that PFAS are not a concern for groundwater at the Site. With NYSDEC approval, the remaining monitoring wells at the Site

were decommissioned in November 2017. This included monitoring wells MW-1, MW-2D, and MW-3. The two other monitoring wells previously installed in the former fire training area (MW-2S and MW-4) could not be located and were considered lost or destroyed.

2 Description of Institutional and Engineering Controls

This section describes the IC/ECs employed at the Site to address residuals in the subsurface soil. A summary of institutional controls (ICs) is presented below followed by a description of the EC.

2.1 Institutional Controls

The ICs for the Site are established in the EE and SMP. The ICs were developed to: (1) implement, maintain and monitor the EC (soil cover system); (2) prevent future exposure to remaining contamination by controlling disturbance of the subsurface material beneath the soil cover system; and (3) limit the use and development of the Site to commercial and industrial uses only. The ICs require that the Grantor and the Grantor's successors and assigns comply with the EE and the SMP. The ICs are:

- The property may be used for commercial or industrial purposes.
- All ECs must be operated and maintained as specified in the SMP.
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the New York State Department of Health or the Albany County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the department(s).
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP.
- All future activities that will disturb remaining residual material must be conducted in accordance with the SMP.
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.
- Maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be as defined in the SMP.
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the EE.
- Vegetable gardens and farming on the Site are prohibited.

2.2 Engineering Controls

A soil cover system is employed at the Site to protect human health and the environment. Exposure to PCB residuals at the Site is prevented by the soil cover system. The 12-inch-thick clean soil cover consists of vegetative soil, a gravel access road, and gravel construction staging areas.

3 Evaluation of Remedy Performance, Effectiveness, and Protectiveness

The performance, effectiveness, and protectiveness of the remedy were evaluated by: (1) reviewing owner responses to questions on the NYSDEC's "Institutional and Engineering Controls Certification Form"; and (2) inspecting and evaluating the EC. The evaluation of the ICs is presented below, followed by an evaluation of the EC.

3.1 Evaluation of Institutional Controls

The status of the ICs was assessed via owner responses to questions on the "Institutional and Engineering Controls Certification Form". The completed form is provided under separate cover. Based on the responses provided by Erie Boulevard Hydropower, L.P., the property boundaries are the same as those established in Schedule A of the EE (i.e., there has been no sale, subdivision, merger, or tax map amendment during the reporting period), no permits were issued during the reporting period, the Site is not currently undergoing development, the Site use has not changed since issuance of the COC, and the ICs remain in place.

3.2 Inspection and Evaluation of Engineering Control

Comprehensive site-wide inspections were performed annually (November 21, 2019, October 29, 2020, and October 22, 2021) in accordance with the SMP, which was approved by the NYSDEC on June 21, 2016. The inspections were performed by Arcadis on behalf of Erie Boulevard Hydropower, L.P. and National Grid and they evaluated whether the EC:

- Continue to perform as designed.
- Continue being protective of human health and the environment.
- Comply with the requirements of the SMP and the EE.
- Achieve remedial performance criteria.

The soil cover system was evaluated during the visits by walking the Site and inspecting the gravel road and surrounding area. The observations are documented in the Site-Wide Inspection Packages included in Appendix A of this report. There was no evidence of ground intrusive activities (e.g., excavation, subsurface utility work, or cover material removal) during this reporting period. During the 2021 site inspection, some ruts were observed in the access roads. This is attributed to the wet conditions that characterized much of the summer/fall 2021. The ruts were not deep enough to expose the underlying geotextile demarcation layer. Erie Boulevard Hydropower, L.P. maintains access roads at the Site by adding/regrading stone, as needed.

3.3 Institutional and Engineering Control Certification

The site inspection results and site monitoring data have been evaluated as part of the IC/EC certification and confirm that the:

- IC/ECs are in place, are performing properly, and remain effective.

- IC/ECs employed at the Site are unchanged from the date the controls were approved by the NYSDEC.
- There are no apparent changes that would impair the ability of the controls to protect the public health and environment.
- There are no apparent occurrences that would constitute a violation or failure to comply with any site management plan for the controls.
- Use of the Site is compliant with the EE.

In accordance with the EE, the site owner (Erie Boulevard Hydropower, L.P.) shall continue to allow NYSDEC and National Grid access to the Site to evaluate the remedy.

4 Conclusion and Recommendations

The ICs for this Site were assessed via owner responses to questions on the “Institutional and Engineering Controls Certification Form”. Based on the responses received, the ICs continue to be compliant with the EE requirements. The EC was evaluated for this PRR by performing site-wide inspections. Based on the site-wide inspections, the existing soil cover system remains in-place and is functioning as designed.

The IC/ECs continue to be in place, functionally unchanged, performing properly, and protecting human health and the environment. Erie Boulevard Hydropower, L.P. and/or National Grid will continue to perform annual site-wide inspections and develop PRRs on a triennial basis. No changes to the SMP are currently proposed.

5 References

Arcadis. 2016. Site Management Plan. Prepared on behalf of National Grid and Erie Boulevard Hydropower, L.P, School Street Hydroelectric Station, Town of Colonie, New York. June.

Arcadis. 2017a. Final Engineering Report. Prepared on behalf of National Grid and Erie Boulevard Hydropower, L.P, School Street Hydroelectric Station, Town of Colonie, New York. October.

Arcadis. 2017b. Monitoring Well Decommissioning Summary Letter. Prepared on behalf of National Grid and Erie Boulevard Hydropower, L.P, School Street Hydroelectric Station, Town of Colonie, New York. December 8, 2017.

Arcadis. 2017c. PFAS Groundwater Investigation Report and Proposed Monitoring Well Decommissioning Plan. Prepared on behalf of National Grid and Erie Boulevard Hydropower, L.P, School Street Hydroelectric Station, Town of Colonie, New York. February 22.

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NYSDEC. 1998. Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1). June 1998 and addended April 2000 and June 2004.

NYSDEC. 1994. Technical and Administrative Guidance Memorandum (TAGM) #4046, Determination of Soil Cleanup Objectives and Cleanup Levels (TAGM 4046). January.

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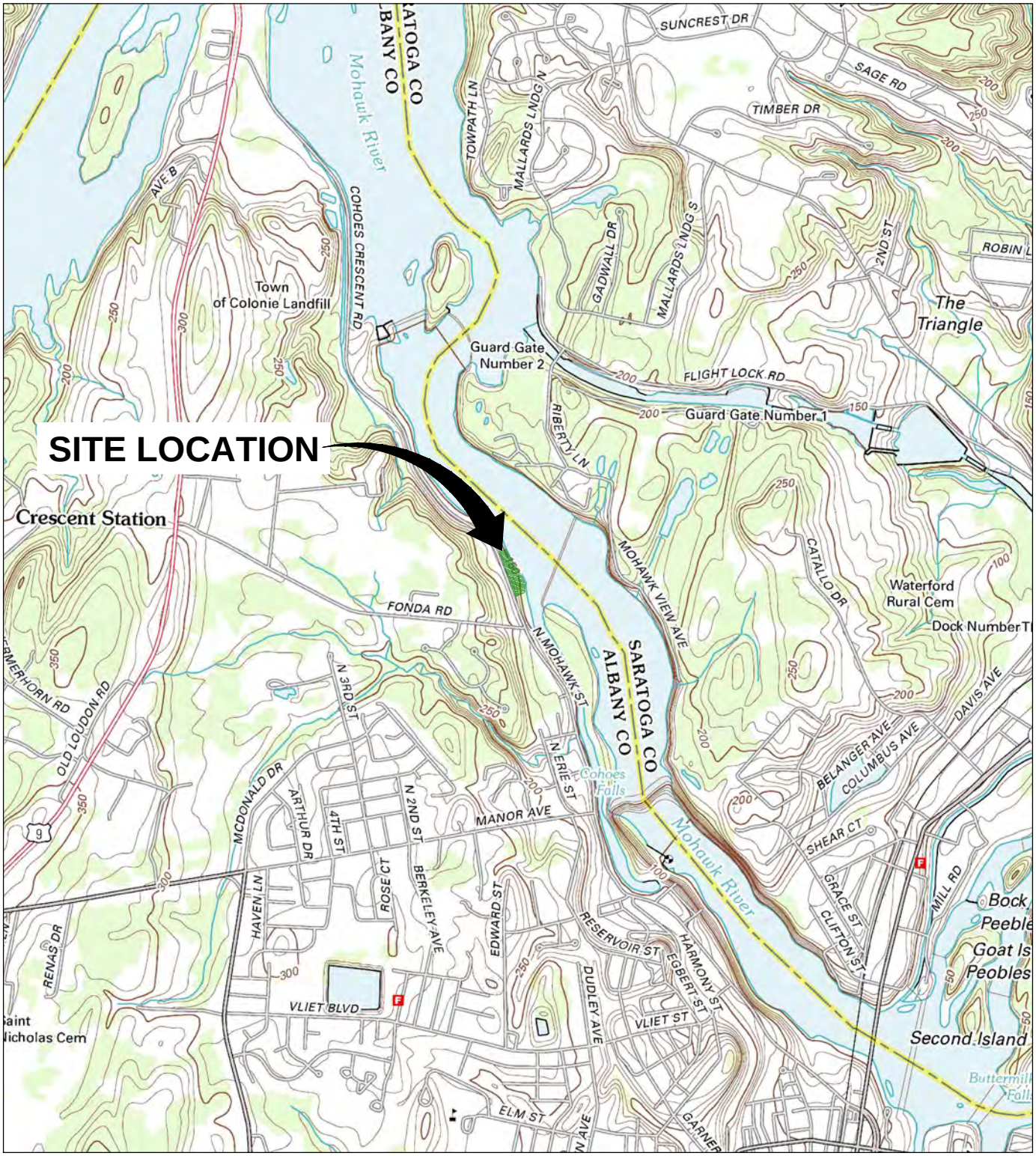
NYSDEC. 2018. Certificate of Completion and Registry Reclassification from Class 2 to Class 4, School Street Fire Training Area, Town of Colonie, New York. March 7.

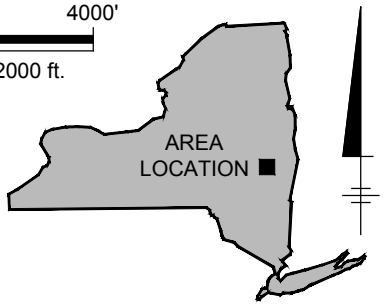
Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., TROY NORTH, NY, 2013.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



ERIE BOULEVARD HYDROPOWER, L.P.
SCHOOL ST. HYDROELECTRIC STATION - COHOES, NY
2022 PERIODIC REVIEW REPORT

SITE LOCATION MAP

ARCADIS

FIGURE 1

CITY: SYRACUSE NY DIV/GROUP: Env/CAD DB: E. KRAHMER PIC: PM: J. BRUSSEL TM: TR: L. HEALY LYR: ON=*;OFF=*REF*
C:\BIM\OneDrive - ARCADIS\BIM 360 Docs\ANA - National Grid\NG SCHOOL STREET HYDRO STATION COHOES\2019\B003643.0001\01-DWG\2019_PRR-Fig1-Site Loc.dwg LAYOUT: 1 SAVED: 5/28/2019 9:55 AM ACADVER: 21.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB
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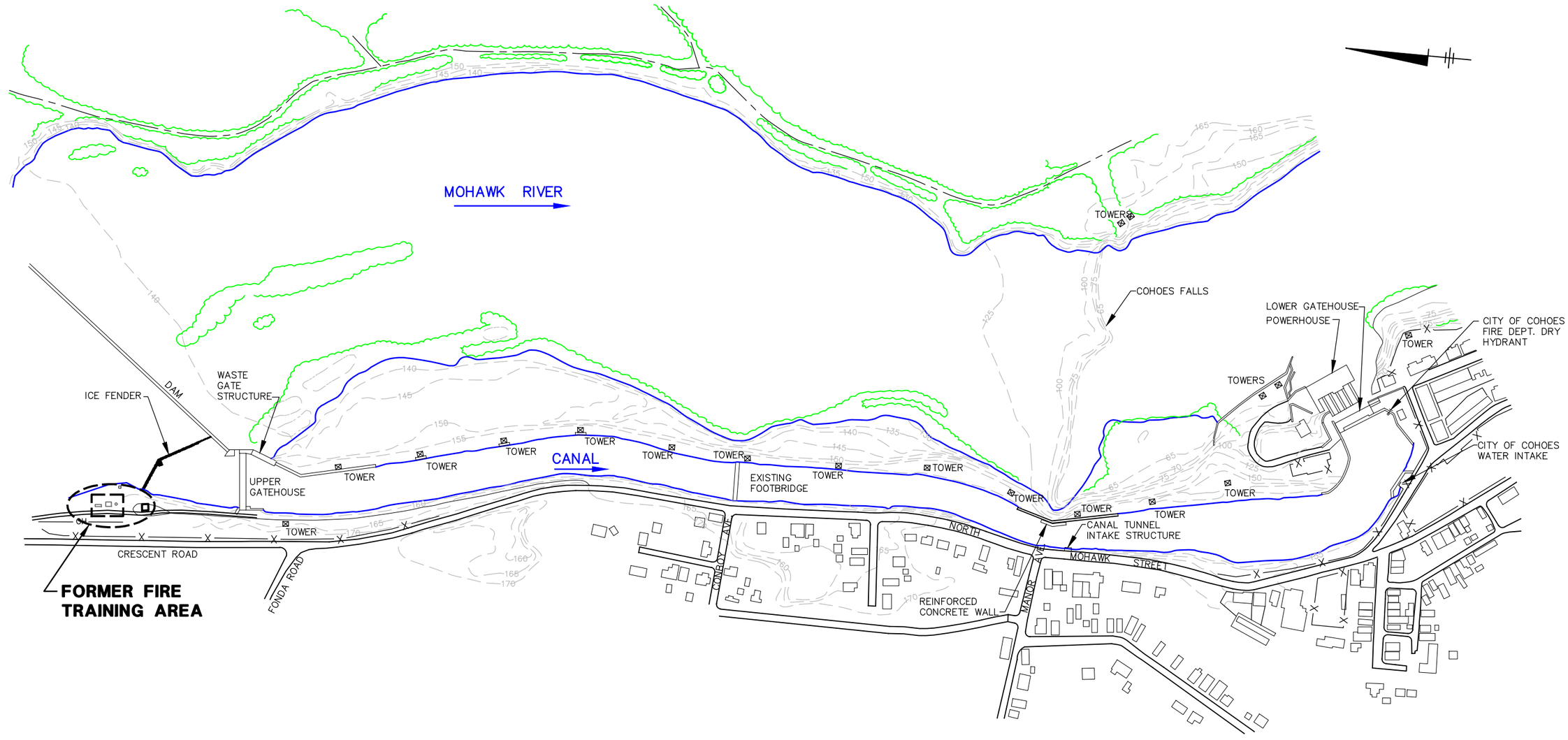

NOTES:

1. BASE MAP DEVELOPED FROM NIAGARA MOHAWK, A NATIONAL GRID COMPANY (NIAGARA MOHAWK) AS–BUILT DRAWING ENTITLED "SCHOOL STREET HYDRO DEVELOPMENT: CANAL WALL REPLACEMENT GENERAL PLAN, LOCATION MAP, GENERAL NOTES AND DWG. INDEX," FILE INDEX NO. 2.0–S12–H4, DRAWING NO. D–30664–E, ORIGINAL ISSUE DATE 6/30/94, AS–BUILT 9/95, AT A SCALE OF 1"=200'.

2. BASE MAP ALSO DEVELOPED FROM SITE SURVEY COMPLETED BY NIAGARA MOHAWK (AS PRESENTED ON THE NIAGARA MOHAWK DRAWING ENTITLED "SCHOOL STREET DEVELOPMENT SAMPLING LOCATIONS, INDEX NO. 2.0–S12–M5, DRAWING NO. B–33591–E, DATED APRIL 1999, LATEST REVISION MARCH 2001, AT A SCALE OF 1"=60'). LOCATION OF ICE FENDER IS FROM SURVEY ACTIVITIES COMPLETED BY BLASLAND, BOUCK & LEE, INC. (BBL) DURING NOVEMBER 1999.

ERIE BOULEVARD HYDROPOWER, L.P.
SCHOOL ST. HYDROELECTRIC STATION - COHOES, NY
2022 PERIODIC REVIEW REPORT

SITE PLAN

ARCADIS

FIGURE
2

LEGEND:

- LIMITS OF MINIMUM ONE FOOT THICK SOIL COVER SYSTEM
- APPROXIMATE LIMITS OF SURFACE SOIL REMOVAL (TO A DEPTH OF 1 FOOT)
- APPROXIMATE LIMITS OF SUBSURFACE SOIL REMOVAL (TO DEPTHS RANGING FROM 2 FEET TO 4 FEET)
- APPROXIMATE LIMITS OF SUBSURFACE SOIL REMOVAL (TO A DEPTH OF APPROXIMATELY 5 FEET)
- APPROXIMATE LIMITS OF SURFACE AND SUBSURFACE SOIL REMOVAL (TO THE TOP OF BEDROCK)
- DECOMMISSIONED MONITORING WELL
- LOST OR DESTROYED MONITORING WELL
- SHORELINE
- TOP OF BANK
- FENCE
- DH — OVERHEAD HIGH VOLTAGE ELECTRIC LINE
- APPROXIMATE LOCATION OF 8-INCH DIAMETER HDPE REPLACEMENT PIPE

NOTES:

1. BASE MAP DEVELOPED FROM SITE SURVEY COMPLETED BY D.A. COLLINS DURING FEBRUARY 2008 AND BANK/SHORELINE SURVEY DATA OBTAINED BY ARCADIS IN AUGUST 2007 AND JANUARY/FEBRUARY 2008. LOCATION OF ICE FENDER, TOP OF BANK, AND HIGH VOLTAGE LINE ARE FROM SURVEY ACTIVITIES COMPLETED BY BLASLAND, BOUCK & LEE, INC. (BBL) DURING NOVEMBER 1999.
2. MONITORING WELL LOCATIONS MW-1 THROUGH MW-3 WERE SURVEYED BY NIAGARA MOHAWK. MONITORING WELL LOCATION MW-4 WAS SURVEYED BY BBL.

0 60' 120'

GRAPHIC SCALE

ERIE BOULEVARD HYDROPOWER, L.P.
SCHOOL ST. HYDROELECTRIC STATION - COHOES, NY
2022 PERIODIC REVIEW REPORT

FINAL SOIL COVER SYSTEM LIMITS

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FIGURE 3

Appendix A

Site-Wide Inspection Packages

Erie Boulevard Hydropower, L.P.
Former Fire Training Area
School Street Hydroelectric Station
Town of Colonie, New York

Site Inspection Form

Date: November 21, 2019

Temperature: 30°F

Personnel: Jasmine Mullins

Weather Conditions: Partly Cloudy, Wind ENE at ~3 mph

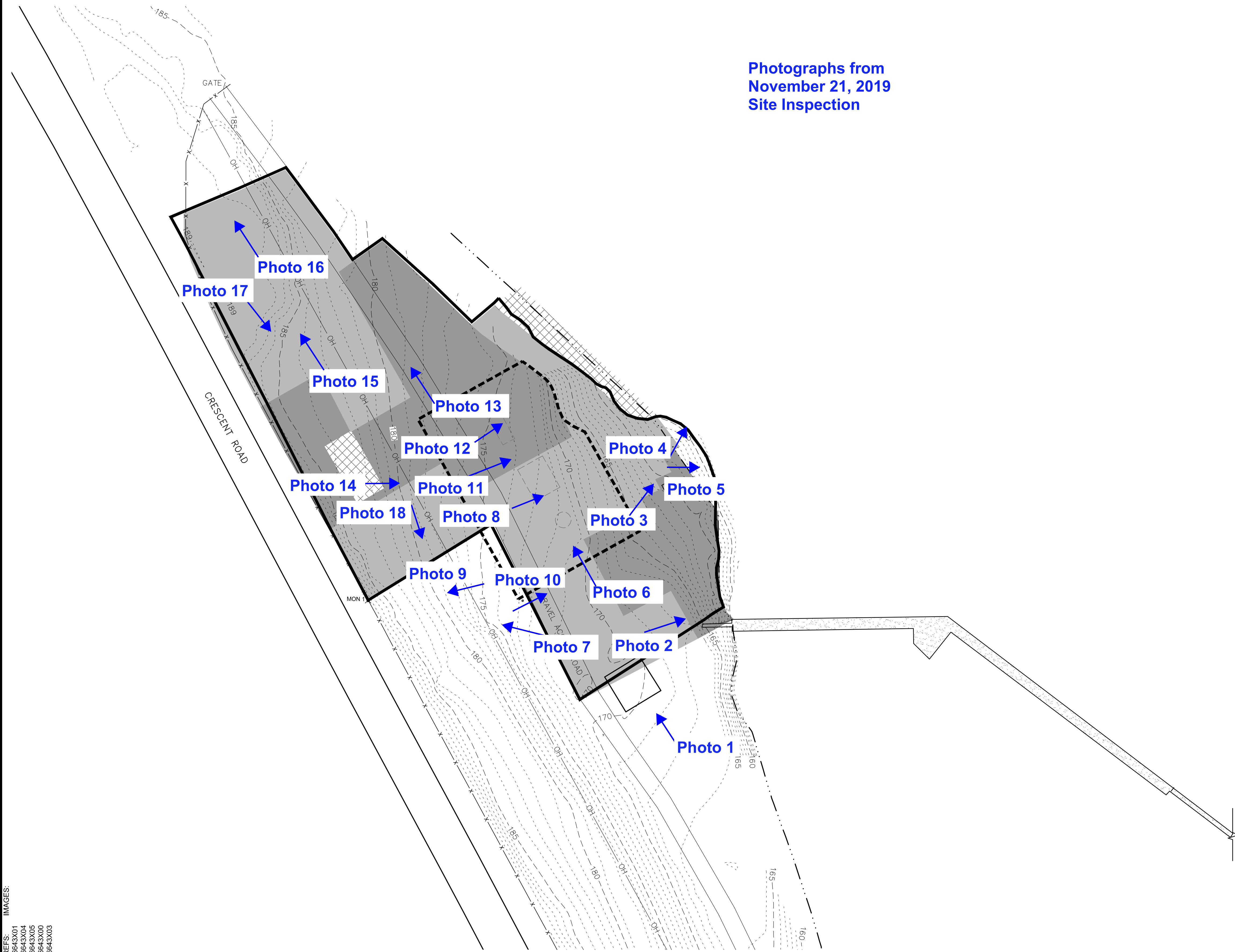
Arrival Time: 0800

Departure Time: 0840

Inspection Checklist	Yes	No	Comments
Site Security			
- Fencing in need of repair?		X	Fence in good condition.
- Gates in need of repair?		X	Gates closed and locked.
Soil Cover System			
General Soil Cover System Condition			
- Significant ruts (e.g., from erosion or vehicles)?			Vehicle ruts on main road in former fire training area.
- Significant holes (e.g., from burrowing animals)?		X	
- Demarcation layer exposed?		X	
- Woody vegetation (e.g., saplings, trees)?	X		Trees observed along the riverbank.
- Significant soil settlement?		X	
- Bare spots/distressed vegetation?		X	
- Ponded water?		X	Minor areas of ice on road due to recent snowmelt.
- Other?			N/A.
Signs of Soil Disturbance (Potential Excavation or Intrusive Activities)?			
- Excavation/trenching?		X	
- New underground utility or drainage feature?		X	
- New aboveground feature?	X		Rip-rap stockpile still onsite. Smaller stockpiles also identified along edge of gravel road.
- New grass or vegetation?		X	
- Other?			N/A.
Drainage Pipe			
- Flooding/Pooling of water around drainage pipe?		X	
- Flow clogged or slow in drainage pipe?		X	
- Evidence of washout around gravel road?		X	

Instructions:

1. For any inspection item where a box is checked "yes", identify the location of the observed condition on a site plan, take a photograph(s) to document the condition, and document the size of the affected area in the "comments" field above.
2. Take photographs from each of corner of the soil cover system (each photo facing diagonally across to the opposite corner) and take one photograph of the location of the drainage pipe.



LEGEND:

- APPROXIMATE LIMITS OF FORMER FIRE TRAINING AREA
- AREA REQUIRING SITE COVER AND INSTITUTIONAL CONTROL
- APPROXIMATE LIMITS OF SURFACE SOIL REMOVAL (TO A DEPTH OF 1 FOOT)
- APPROXIMATE LIMITS OF SUBSURFACE SOIL REMOVAL (TO DEPTHS RANGING FROM 2 FEET TO 4 FEET)
- APPROXIMATE LIMITS OF SUBSURFACE SOIL REMOVAL (TO A DEPTH OF APPROXIMATELY 5 FEET)
- SHORELINE
- FENCE
- OVERHEAD HIGH VOLTAGE ELECTRIC LINE
- CONTOUR LINE (ELEVATION IN FEET ABOVE MEAN SEA LEVEL)
- SURVEY CONTROL POINT

BENCHMARK LOCATION			
IDENTIFIER	NORTHING	EASTING	DESCRIPTION
MON 1	1444619.86	702531.78	NYSDEC ALUMINUM MONUMENT

NOTES:

1. BASE MAP DEVELOPED FROM SITE SURVEY COMPLETED BY D.A. COLLINS DURING FEBRUARY 2008 AND BANK/SHORELINE SURVEY DATA OBTAINED BY ARCADIS IN AUGUST 2007 AND JANUARY/FEBRUARY 2008. LOCATION OF ICE FENDER, TOP OF BANK, AND HIGH VOLTAGE LINE ARE FROM SURVEY ACTIVITIES COMPLETED BY ARCADIS OF NEW YORK, INC. (ARCADIS), FORMERLY KNOWN AS BLASLAND, BOUCK & LEE, INC. DURING NOVEMBER 1999.

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30' 0 30' 60'
1"=30'

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

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Professional Engineer's Name		
JOHN C. BRUSSEL		
Professional Engineer's No. 075208		
State: NY	Date Signed: .	Project Mgr.: JCB
Designed by: LCH	Drawn by: EAK	Checked by: JCB

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ERIE BOULEVARD HYDROPOWER, L.P. • TOWN OF COLONIE, NEW YORK
SCHOOL STREET HYDROELECTRIC STATION - OCTOBER 2017

POST-REMEDIATION TOPOGRAPHY AND INSTITUTIONAL CONTROL AREA

AS-BUILT DRAWINGS

ARCADIS Project No. B0036643.0001.00001

Date OCTOBER 2017

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TEL. 315.446.9120

4

Photograph Log

2019 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 1

Description:
Concrete Pad/Staging Area Immediately South of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph: 2

Description:
View of Ice Fender and Nearshore Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph Log

2019 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 3

Description:
View of Nearshore Area, North of Ice Fender

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph: 4

Description:
Close-up View of Nearshore Area North of Ice Fender

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph Log

2019 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 5

Description:
Close-up View of Nearshore Area North of Ice Fender

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph: 6

Description:
Rock Stockpile

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph Log

2019 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 7

Description:
Access Road through Former Fire Training Area, Facing North

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph: 8

Description:
Close-up View of Rock Stockpile

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph Log

2019 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 9

Description:
Transmission Tower Immediately South of Former Fire Training Area, Facing West

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph: 10

Description:
Close-up View of Drainage Pipe in Former Fire Training Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph Log

2019 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 11

Description:
View from Former Fire Training Area Toward Mohawk River

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph: 12

Description:
View of Second Rock Pile, Facing Northeast

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph Log

2019 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 13

Description:
View of Gravel Road through Former Fire Training Area, Facing North

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph: 14

Description:
Looking West to East Across Former Fire Training Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph Log

2019 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 15

Description:
View of Northern Portion of Institutional Control Area, Facing North

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph: 16

Description:
View of Northern Portion of Institutional Control Area, Facing North

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph Log

2019 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 17

Description:
View of Institutional Control Area, Facing South

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Photograph: 18

Description:
View of Institutional Control Area, Facing South

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 11/21/2019

Erie Boulevard Hydropower, L.P.
Former Fire Training Area
School Street Hydroelectric Station
Town of Colonie, New York

Site Inspection Form

Date: October 29, 2020

Temperature: 45°F

Personnel: Jasmine Mullins

Weather Conditions: Fog and Cloudy

Arrival Time: 0825

Departure Time: 0900

Inspection Checklist	Yes	No	Comments
Site Security			
- Fencing in need of repair?		X	Fence in good condition.
- Gates in need of repair?		X	Gates closed and locked upon arrival.
Soil Cover System			
General Soil Cover System Condition			
- Significant ruts (e.g., from erosion or vehicles)?			Vehicle ruts on main road in former fire training area.
- Significant holes (e.g., from burrowing animals)?		X	Evidence of backfilling burrowed holes on slope along fence line.
- Demarcation layer exposed?		X	
- Woody vegetation (e.g., saplings, trees)?	X		Trees observed along the riverbank.
- Significant soil settlement?		X	
- Bare spots/distressed vegetation?	X		Some bare spots observed on slope along fence line.
- Ponded water?		X	
- Other?			Not applicable.
Signs of Soil Disturbance (Potential Excavation or Intrusive Activities)?			
- Excavation/trenching?		X	
- New underground utility or drainage feature?		X	
- New aboveground feature?	X		Rip-rap stockpile still onsite along with smaller stockpiles along edge of gravel road.
- New grass or vegetation?		X	
- Other?			
Drainage Pipe			
- Flooding/Pooling of water around drainage pipe?		X	
- Flow clogged or slow in drainage pipe?		X	
- Evidence of washout around gravel road?		X	

Instructions:

1. For any inspection item where a box is checked "yes", identify the location of the observed condition on a site plan, take a photograph(s) to document the condition, and document the size of the affected area in the "comments" field above.
2. Take photographs from each of corner of the soil cover system (each photo facing diagonally across to the opposite corner) and take one photograph of the location of the drainage pipe.

Photographs from October 29, 2020 Site Inspection

LEGEND:

- APPROXIMATE LIMITS OF FORMER FIRE TRAINING AREA
- AREA REQUIRING SITE COVER AND INSTITUTIONAL CONTROL
- APPROXIMATE LIMITS OF SURFACE SOIL REMOVAL (TO A DEPTH OF 1 FOOT)
- APPROXIMATE LIMITS OF SUBSURFACE SOIL REMOVAL (TO DEPTHS RANGING FROM 2 FEET TO 4 FEET)
- APPROXIMATE LIMITS OF SUBSURFACE SOIL REMOVAL (TO A DEPTH OF APPROXIMATELY 5 FEET)
- SHORELINE
- FENCE
- OVERHEAD HIGH VOLTAGE ELECTRIC LINE
- CONTOUR LINE (ELEVATION IN FEET ABOVE MEAN SEA LEVEL)
- SURVEY CONTROL POINT

BENCHMARK LOCATION			
IDENTIFIER	NORTHING	EASTING	DESCRIPTION
MON 1	1444619.86	702531.78	NYSDEC ALUMINUM MONUMENT

NOTES:

1. BASE MAP DEVELOPED FROM SITE SURVEY COMPLETED BY D.A. COLLINS DURING FEBRUARY 2008 AND BANK/SHORELINE SURVEY DATA OBTAINED BY ARCADIS IN AUGUST 2007 AND JANUARY/FEBRUARY 2008. LOCATION OF ICE FENDER, TOP OF BANK, AND HIGH VOLTAGE LINE ARE FROM SURVEY ACTIVITIES COMPLETED BY ARCADIS OF NEW YORK, INC. (ARCADIS), FORMERLY KNOWN AS BLASLAND, BOUCK & LEE, INC. DURING NOVEMBER 1999.

1"=30' (30' 0 30' 60')

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

Professional Engineer's Name: JOHN C. BRUSSEL		
Professional Engineer's No.: 075208		
State: NY	Date Signed: .	Project Mgr.: JCB
Designed by: LCH	Drawn by: EAK	Checked by: JCB

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SCHOOL STREET HYDROELECTRIC STATION - OCTOBER 2017

POST-REMEDIATION TOPOGRAPHY AND INSTITUTIONAL CONTROL AREA

AS-BUILT DRAWINGS

ARCADIS Project No.
B0036643.0001.00001

Date
OCTOBER 2017

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110 W. FAYETTE ST., SUITE 300
SYRACUSE, NEW YORK 13202
TEL. 315.446.9120

Photograph Log

2020 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 1

Description:
Looking North at Former Fire Training Area from Between Upper Gatehouse and Ice Fender

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Photograph: 2

Description:
Rock Stockpile

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Photograph Log

2020 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 3

Description:
View of Ice Fender and Nearshore Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Photograph: 4

Description:
Close-up View of Rock Pile

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Photograph Log

2020 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 5

Description:
Close-up View of Nearshore Area North of Ice Fender

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Photograph: 6

Description:
Access Road through Former Fire Training Area, Facing North

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Photograph Log

2020 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 7

Description:
Sand Bags in Former Fire Training Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Photograph: 8

Description:
Looking at 34.5 kV Electrical Transmission Tower Near Northern Part of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Photograph Log

2020 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 9

Description:
Looking South from Northern Part of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Photograph: 10

Description:
Looking Southeast from Middle Part of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Photograph Log

2020 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 11

Description:
Looking at Southern Part of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Photograph: 12

Description:
Looking at Rock Stockpiles from Near Southern End of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Photograph Log

2020 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 13

Description:
Looking North from Southern Portion of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Photograph: 14

Description:
Regraded Soil at Former Animal Burrow Location

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/29/2020

Erie Boulevard Hydropower, L.P.
Former Fire Training Area
School Street Hydroelectric Station
Town of Colonie, New York

Site Inspection Form

Date: October 22, 2021

Temperature: 57°F

Personnel: Jasmine Mullins

Weather Conditions: Partly Cloudy

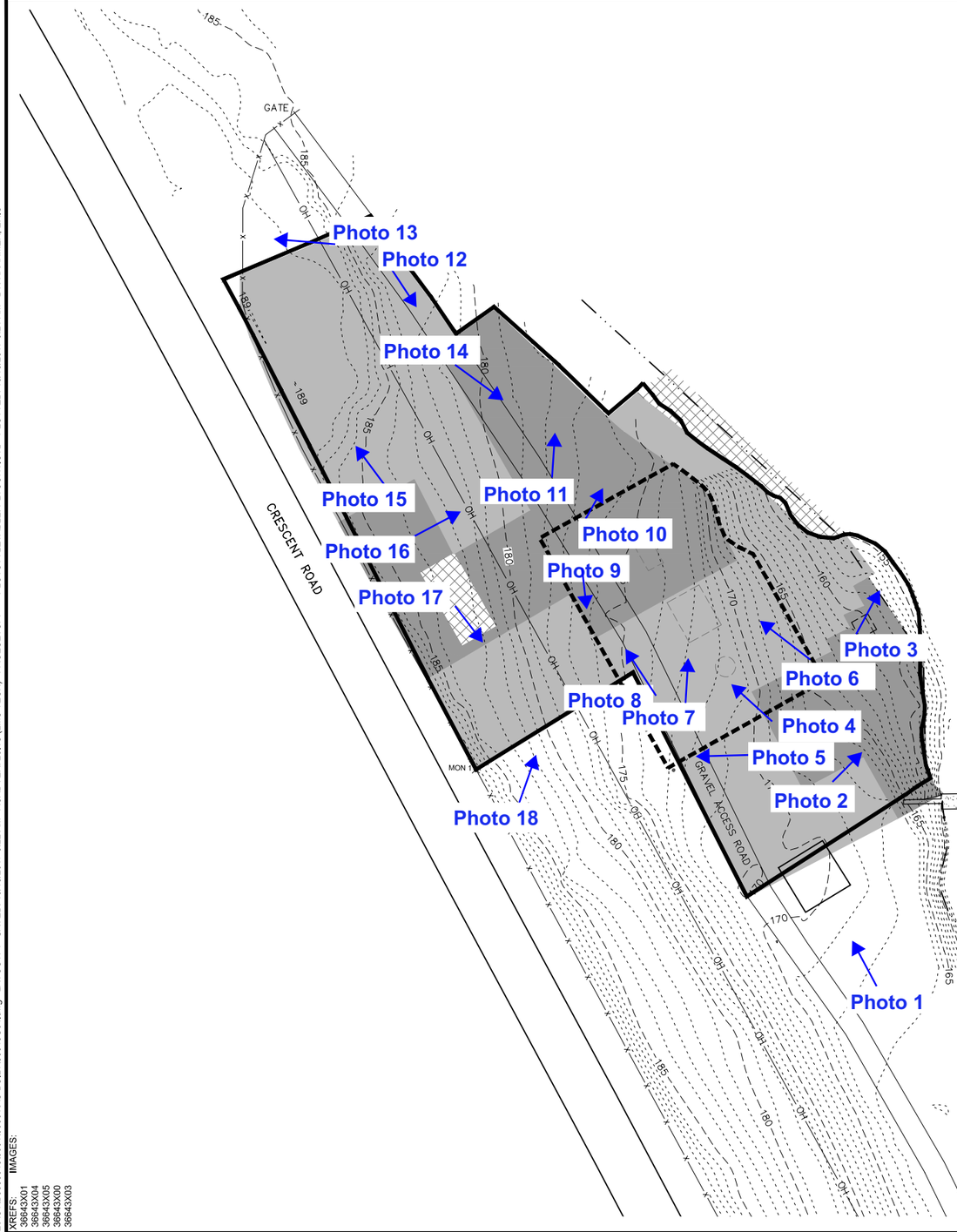
Arrival Time: 0813

Departure Time: 0850

Inspection Checklist	Yes	No	Comments
Site Security			
- Fencing in need of repair?		X	Fence in good condition.
- Gates in need of repair?		X	Gates closed and locked upon arrival.
Soil Cover System			
General Soil Cover System Condition			
- Significant ruts (e.g., from erosion or vehicles)?	X		Vehicle ruts on main road in former fire training area.
- Significant holes (e.g., from burrowing animals)?		X	
- Demarcation layer exposed?		X	
- Woody vegetation (e.g., saplings, trees)?	X		Trees observed along the riverbank.
- Significant soil settlement?		X	Grass wasn't mowed during time of inspection.
- Bare spots/distressed vegetation?	X		Minor bare spots/distressed vegetation observed on slope.
- Ponded water?		X	
- Other?		X	Not applicable.
Signs of Soil Disturbance (Potential Excavation or Intrusive Activities)?			
- Excavation/trenching?		X	
- New underground utility or drainage feature?		X	
- New aboveground feature?	X		Rip-rap stockpile still onsite along with smaller stockpiles along edge of gravel road.
- New grass or vegetation?		X	
- Other?		X	Not applicable.
Drainage Pipe			
- Flooding/Pooling of water around drainage pipe?		X	
- Flow clogged or slow in drainage pipe?		X	
- Evidence of washout around gravel road?		X	

Instructions:

1. For any inspection item where a box is checked "yes", identify the location of the observed condition on a site plan, take a photograph(s) to document the condition, and document the size of the affected area in the "comments" field above.
2. Take photographs from each of corner of the soil cover system (each photo facing diagonally across to the opposite corner) and take one photograph of the location of the drainage pipe.



Photographs from October 22, 2021 Site Inspection

LEGEND:

- APPROXIMATE LIMITS OF FORMER FIRE TRAINING AREA
- AREA REQUIRING SITE COVER AND INSTITUTIONAL CONTROL
- APPROXIMATE LIMITS OF SURFACE SOIL REMOVAL (TO A DEPTH OF 1 FOOT)
- APPROXIMATE LIMITS OF SUBSURFACE SOIL REMOVAL (TO DEPTHS RANGING FROM 2 FEET TO 4 FEET)
- APPROXIMATE LIMITS OF SUBSURFACE SOIL REMOVAL (TO A DEPTH OF APPROXIMATELY 5 FEET)
- SHORELINE
- FENCE
- OVERHEAD HIGH VOLTAGE ELECTRIC LINE
- CONTOUR LINE (ELEVATION IN FEET ABOVE MEAN SEA LEVEL)
- SURVEY CONTROL POINT

BENCHMARK LOCATION			
IDENTIFIER	NORTHING	EASTING	DESCRIPTION
MON 1	1444619.86	702531.78	NYSDEC ALUMINUM MONUMENT

NOTES:

1. BASE MAP DEVELOPED FROM SITE SURVEY COMPLETED BY D.A. COLLINS DURING FEBRUARY 2008 AND BANK/SHORELINE SURVEY DATA OBTAINED BY ARCADIS IN AUGUST 2007 AND JANUARY/FEBRUARY 2008. LOCATION OF ICE FENDER, TOP OF BANK, AND HIGH VOLTAGE LINE ARE FROM SURVEY ACTIVITIES COMPLETED BY ARCADIS OF NEW YORK, INC. (ARCADIS), FORMERLY KNOWN AS BLASLAND, BOUCK & LEE, INC. DURING NOVEMBER 1999.

XREFS:
IMAGES:
36643X01
36643X04
36643X05
36643X00
36643X03

30' 0 30' 60'
1"=30'

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING:

USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

Professional Engineer's Name: JOHN C. BRUSSEL
Professional Engineer's No.: 075208

State	Date Signed	Project Mgr.
NY	.	JCB
Designed by	Drawn by	Checked by
LCH	EAK	JCB

ARCADIS Design & Consultancy for natural and built assets

ARCADIS OF NEW YORK, INC.

ERIE BOULEVARD HYDROPOWER, L.P. • TOWN OF COLONIE, NEW YORK
SCHOOL STREET HYDROELECTRIC STATION - OCTOBER 2017

POST-REMEDIATION TOPOGRAPHY AND INSTITUTIONAL CONTROL AREA

AS-BUILT DRAWINGS

ARCADIS Project No.
B0036643.0001.00001

Date
OCTOBER 2017

ARCADIS
ONE LINCOLN CENTER
110 W. FAYETTE ST., SUITE 300
SYRACUSE, NEW YORK 13202
TEL. 315.446.9120

Photograph Log

2021 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 1

Description:
Looking at Gravel Driveway/Turnaround (foreground) and Former Fire Training Area (background)

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph: 2

Description:
View of Nearshore Area; Ice Fender is Just Past Yellow Hand Rail

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph Log

2021 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 3

Description:
Close-up View of Nearshore Area North of Ice Fender

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph: 4

Description:
View of Rock Stockpile

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph Log

2021 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 5

Description:
View of Transmission Tower, Located Just South of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph: 6

Description:
View of Rock Stockpiles in Former Fire Training Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph Log

2021 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 7

Description:
View of Rock Stockpiles in Former Fire Training Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph: 8

Description:
View of Access Road through Former Fire Training Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph Log

2021 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 9

Description:
Looking South/Southwest at Grassy Slope in Western Portion of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph: 10

Description:
View of Rock Piles and Nearshore Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph Log

2021 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 11

Description:
View of Disturbed Grass/Topsoil North of Rock Piles

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph: 12

Description:
View of Access Road and Grassy Slope from North End of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph Log

2021 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 13

Description:
Looking at 34.5 kV Electrical Transmission Tower Near Northern Part of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph: 14

Description:
Looking South/Southwest at Gravel Access Road and Rock Piles in Former Fire Training Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph Log

2021 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 15

Description:
Looking at Northern Portion of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph: 16

Description:
Looking at Eastern Portion of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph Log

2021 Annual Site Inspection
Erie Boulevard Hydropower, L.P.
School Street Hydroelectric Station, Cohoes, New York

Photograph: 17

Description:
Looking at Southern Portion of Institutional Control Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

Photograph: 18

Description:
Looking Northeast Across Former Fire Training Area

Location:
Former Fire Training Area

Photograph taken by:
Jasmine Mullins

Date: 10/22/2021

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