UNITED STATES OF AMERICA

BEFORE THE FEDERAL ENERGY REGULATORY COMMISSION

FINAL APPLICATION FOR NEW LICENSE FOR MAJOR PROJECT - EXISTING DAM

EXHIBIT G – PROJECT BOUNDARY MAPS

Prepared by: Kleinschmidt

May 2022

VISCHER FERRY HYDROELECTRIC PROJECT RELICENSING

FERC NO. 4679




NEW YORK STATE OF OPPORTUNITY. | NY Power Authority

Table of Contents

Attachments

Vischer Ferry Hydroelectric Project (FERC No. 4679) Exhibit G Project Boundary Maps 1-3

1 Detailed Maps

Exhibit G provides maps showing the Project boundary enclosing the Vischer Ferry Hydroelectric Project (Project), as described in Exhibit A. The maps conform to the requirements of Section 4.41(h) of the Federal Energy Regulatory Commission's (FERC or the Commission) regulations. Maps of the Project Area showing principal Project features and the Project boundary are included.

2 Project Boundary

The Project boundary is shown on the attached Exhibit G maps. The Project boundary includes all lands necessary for operation and maintenance of the Project. The Applicant possesses property or easement rights to all areas associated with the defined Project boundary.

The Power Authority is proposing no modifications to the Vischer Ferry Project boundary.

3 Federal Lands

There are no public lands or reservations of the United States within the Project boundary.

4 Non-Federal Lands

The Power Authority has acquired, either through fee, easement, or lease, all land rights necessary to operate the Project. Land to which the Power Authority holds title or right is identified on the attached Exhibit G maps.

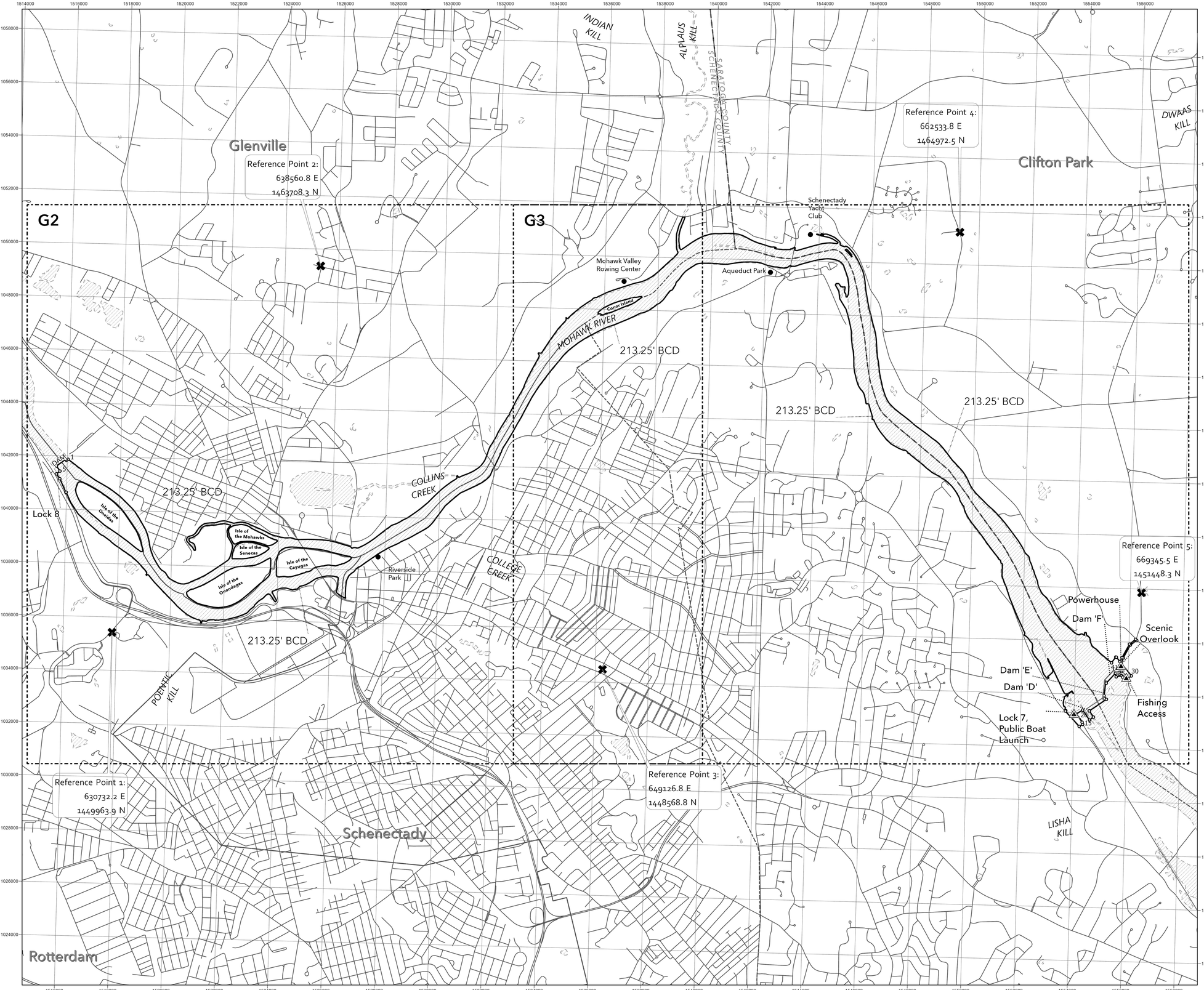
5 Project Boundary Data

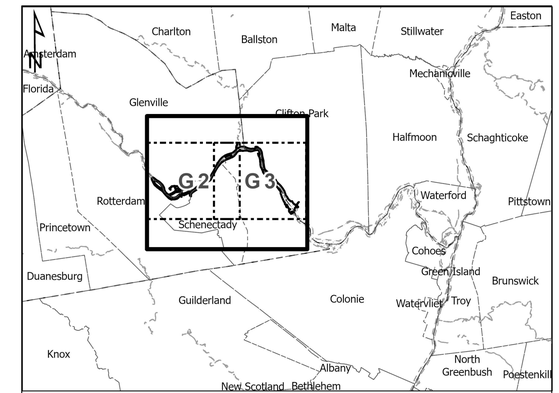
Metes and Bounds Point 1 (1456455.88 N, 629086.11 E feet)				
Course	**Bearing**	**Distance**	**Start Point in NAD83 New York State Plane East**	
			North (feet)	**East (feet)**
1-2	S54-45-54W	69.9	1456452.97	629084.85
2-3	N35-19-42W	50.0	1456412.64	629027.75
3-4	S54-40-16W	430.5	1456453.43	628998.84
4-5	S34-40-46E	237.6	1456204.50	628647.65
5-6	S54-12-53W	170.8	1456009.08	628782.86
6-7	S35-27-7E	224.5	1455909.23	628644.33
7-8	S23-54-10E	562.8	1455726.34	628774.56
8-9	N66-48-4E	13.2	1455211.81	629002.59
9-10	S'LY along Mohawk River Full Pool Elevation 185' BCD, excepting out any and all Islands above the elevation of 185' BCD	63,197.0	1455217.02	629014.75
10-11	S43-6-55E	1.2	1447028.75	666504.32
11-12	S47-50-1W	26.3	1447027.89	666505.12
12-13	S42-9-57E	774.2	1447010.25	666485.65
13-14	N59-21-18E	148.3	1446436.44	667005.32
14-15	N10-0-20W	82.8	1446512.03	667132.90
15-16	N36-16-17W R = 1,273.0'	381.5	1446593.57	667118.52

Metes and Bounds **Point 1 (1456455.88 N, 629086.11 E feet)**				
Course	**Bearing**	**Distance**	**Start Point in NAD83 New York State Plane East**	
			North (feet)	**East (feet)**
16-17	N58-40-30E	284.8	1446900.02	666893.64
17-18	S34-9-29E Course is 50' Offset from Downstream Face of Impoundment Structures at a bearing of N56-51-31E	450.1	1447048.07	667136.89
18-19	N55-15-56E Course is 50' Offset from Downstream Face of Impoundment Structures at a bearing of N35-45-04W	189.0	1446675.58	667389.63
19-20	N33-55-48W Course is 50' Offset from Downstream Face of Impoundment Structures at a bearing of S37-05-12W	281.4	1446783.29	667544.98
20-21	N55-51-41E Course is 130' from Upstream Face of Impoundment Structure at a bearing of N35-09-19W	772.8	1447016.79	667387.89
21-22	N33-28-38W	156.9	1447450.49	668027.54

Metes and Bounds Point 1 (1456455.88 N, 629086.11 E feet)				
Course	**Bearing**	**Distance**	**Start Point in NAD83 New York State Plane East**	
			North (feet)	**East (feet)**
22-23	N6-42-18E Course is 55' from Upstream Face of Impoundment Structures at a bearing of N84-18-42W	500.3	1447581.35	667941.00
23-24	S47-13-4E N42-42-52E	31.4	1448078.23	667999.42
24-25	Course is 130' from Upstream Face of Impoundment Structure at a bearing of N48-18-08W	506.2	1448056.89	668022.48
25-26	S12-17-9E	136.3	1448428.85	668365.89
26-27	N77-29-19E	197.8	1448295.71	668394.88
27-28	S37-44-48E	71.1	1448338.56	668587.98
28-29	S73-17-41E Course is 50' Offset from Downstream Face of Impoundment at a bearing of N17-43-19E	211.8	1448282.31	668631.53
29-30	N50-10-59E	171.9	1448221.44	668834.35
30-31	N38-55-59W	600.0	1448331.51	668966.38
31-32	N18-54-10E	220.8	1448798.21	668589.35
32-33	N28-47-10E	545.7	1449007.10	668660.88

Metes and Bounds **Point 1 (1456455.88 N, 629086.11 E feet)**				
Course	**Bearing**	**Distance**	**Start Point in NAD83 New York State Plane East**	
			North (feet)	**East (feet)**
33-34	N53-37-29E	297.8	1449485.34	668923.64
34-35	N42-47-36W	56.0	1449661.93	669163.39
35-36	S51-36-14W	296.5	1449703.06	669125.31
36-37	S29-4-37W	581.1	1449518.92	668892.96
37-38	S28-11-6W	162.7	1449011.07	668610.56
38-39	N38-55-59W	210.0	1448867.64	668533.70
39-40	N86-20-20W	25.5	1449030.98	668401.74
40-41	S36-43-58W	263.0	1449032.61	668376.31
41-1	N'LY along Mohawk River Full Pool Elevation 185' BCD, excepting out any and all Islands above the elevation of 185' BCD	68,253.8	1448821.80	668218.99





MAGNETIC NORTH AT 14° 20' WEST
CONDITIONS

- FERC Project Boundary
- Project Facilities
- Project Recreation Site
- Reference Points
- Map Extents
- Body of Water
- Counties
- City / Town
- Road
- Metes and Bounds

Map notes:

1. The Vischer Ferry Project is located in the State of New York in Saratoga and Schenectady Counties.
2. Reference Point coordinates are shown in NAD 1983 State Plane New York East FIPS 3101 (US Feet).
3. The vertical datum for this Exhibit G is the Barge Canal Datum (BCD).
4. The Project Boundary perimeter description will be contained in the Exhibit G Project Boundary Description Table with the Final License Application.
5. The Project Boundary is defined by elevation contour 213.25' BCD was developed through photo interpretation using digital orthophotography that meets or exceeds the accuracy requirements in 18CFR4.41. No field surveys have been performed to confirm the boundary locations shown herein.
6. All lands and waters within the project boundary depicted herein are controlled through a hydroelectric easement conveyed to the Power Authority of the State of New York by the People of the State of New York by indenture dated March 7, 1984.
7. Magnetic North Declination was cited from NOAA, March 2022

SURVEYORS STATEMENT

I HEREBY CERTIFY TO THE FEDERAL ENERGY REGULATORY COMMISSION (FERC) THAT THIS PLAN MEETS THE CONDITIONS SET FORTH BY FERC FOR ITS EXPRESSED PURPOSE. THE PURPOSE OF THIS MAP IS TO PROVIDE A GEOREFERENCED VISUAL DEPICTION OF THE LOCATION OF PROJECT FEATURES AND BOUNDARIES BASED ON THE BEST AVAILABLE HISTORICAL DRAWINGS AND DIGITAL REFERENCE SOURCES INCORPORATED INTO THE GEOGRAPHIC INFORMATION SYSTEM (GIS). LOCATIONS HAVE NOT BEEN VERIFIED BY PHYSICAL FIELD SURVEYS AND THIS DRAWING SHOULD NOT BE USED FOR PURPOSES OF DEVELOPING PROPERTY BOUNDARY DESCRIPTIONS.

STATE OF MAINE
STEPHEN W. EVERETT
2161
PROFESSIONAL LAND SURVEYOR

New York Power Association

VISCHER FERRY HYDROELECTRIC PROJECT
FERC NO. 4679

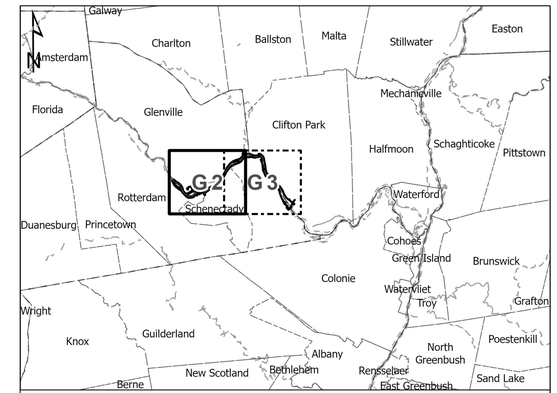
PROJECT BOUNDARY MAP

EXHIBIT G-1

SCALE: 1" = 1,750'

SHEET NO. 1 OF 3

0 1,250 2,500 5,000 7,500 10,000 Feet



- FERC Project Boundary
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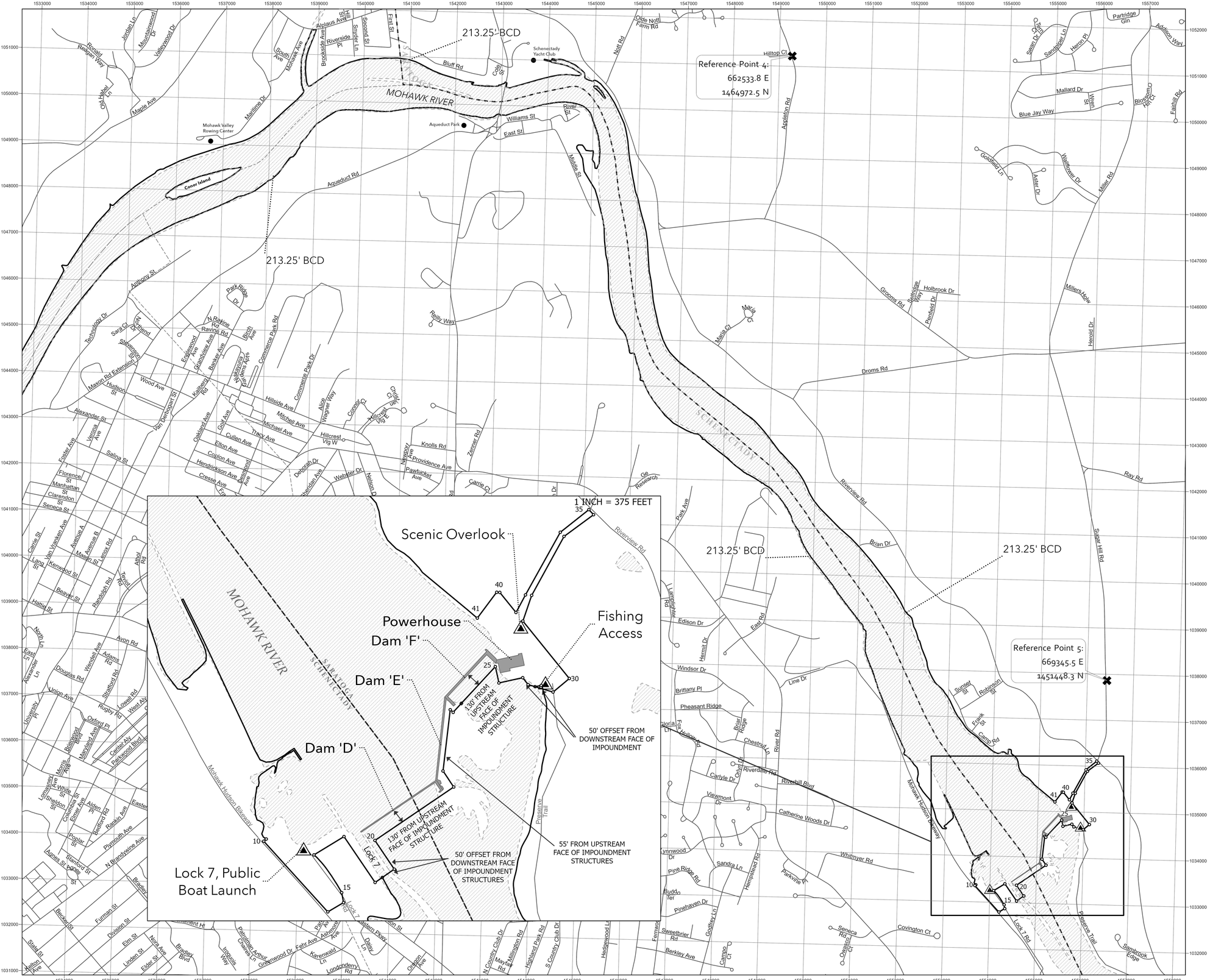
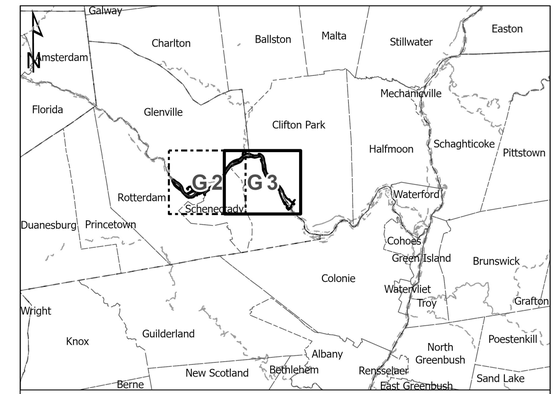
PROJECT BOUNDARY MAP

EXHIBIT G-2 | SCALE: 1" = 1,000' | SHEET NO. 2 OF 3

0 500 1,000 2,000 3,000 4,000 Feet





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PROJECT BOUNDARY MAP

EXHIBIT G-3 | SCALE: 1" = 1,000' | SHEET NO. 3 OF 3

0 500 1,000 2,000 3,000 4,000 Feet