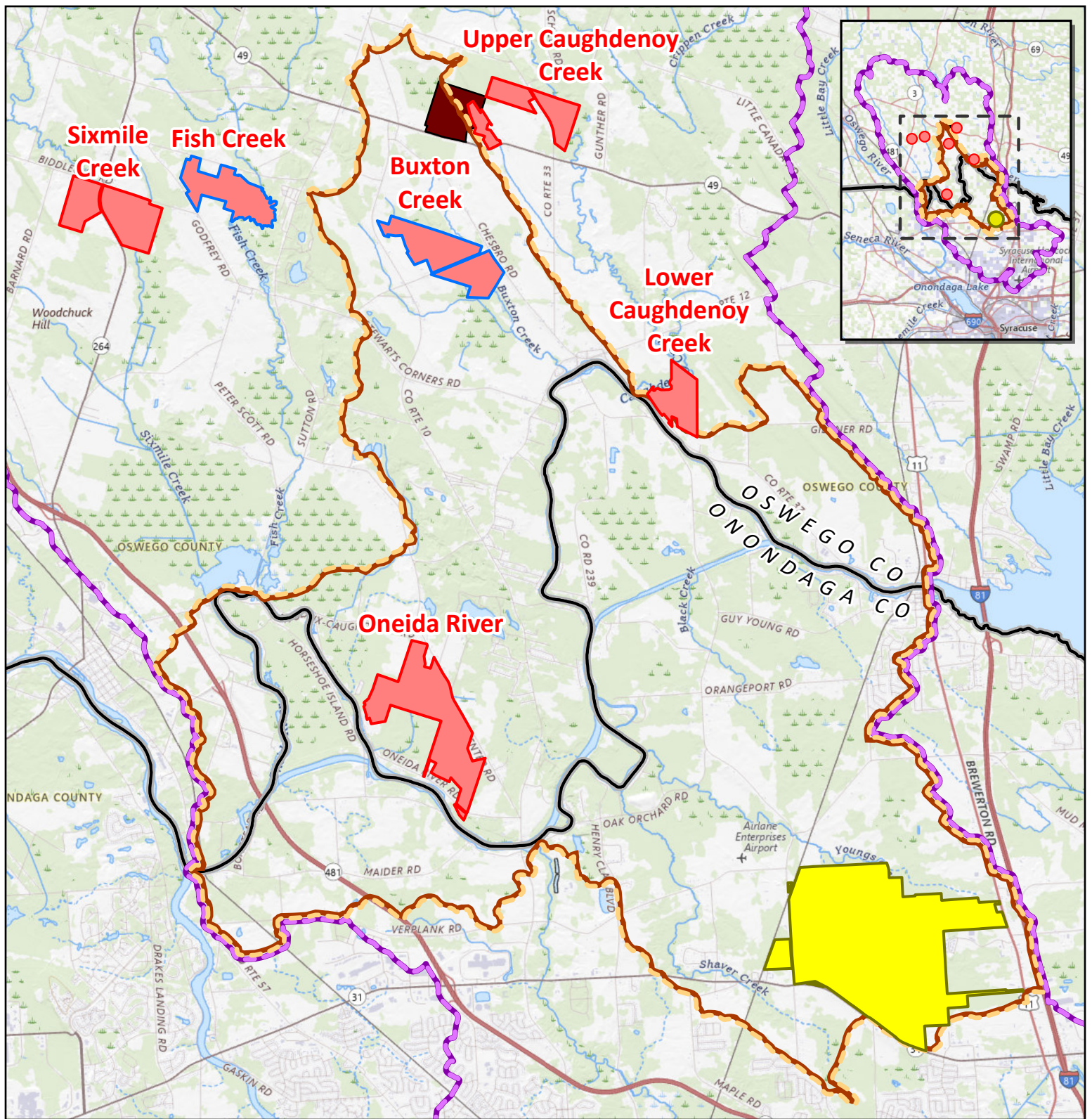


Wetland and Stream Mitigation Sites

Wetland

Wetland and Stream

Wetland Mitigation Site Search Areas

1: 12-Digit HUC (Oneida River 041402020905)

2: 10-Digit HUC (Oneida River 0414020209)

Micron Site

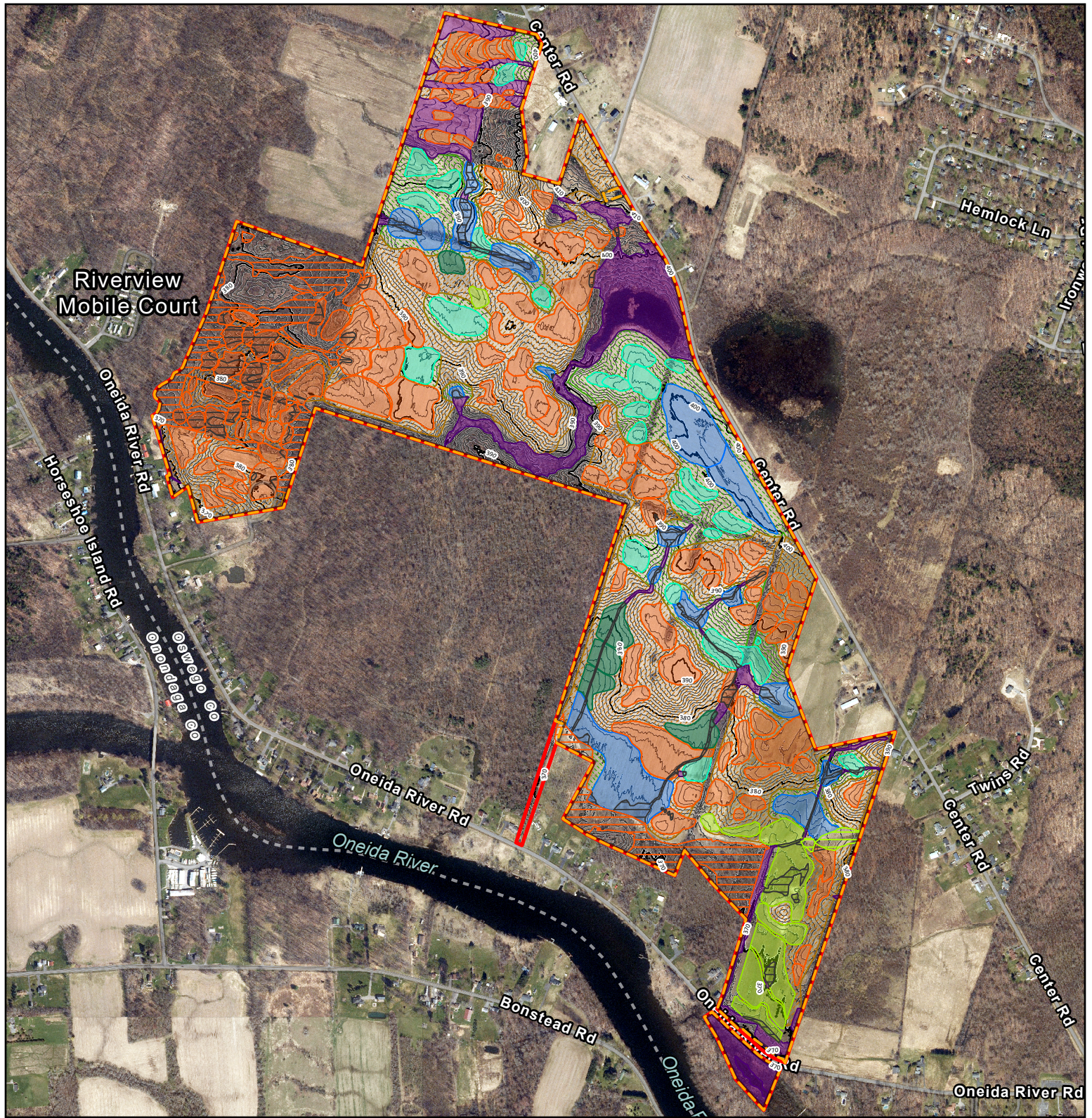
TWT Johnson Farm Preserve

Wetland and Stream Mitigation Site Locations

Towns of Hastings, Palermo and Schroepfel,
Oswego County, NY



The Wetland Trust, Inc.
4729 State Route 414
Burdett, NY 14818
(607) 765-4780



0 1,000 2,000 4,000 US Feet

Site Plan

Oneida River

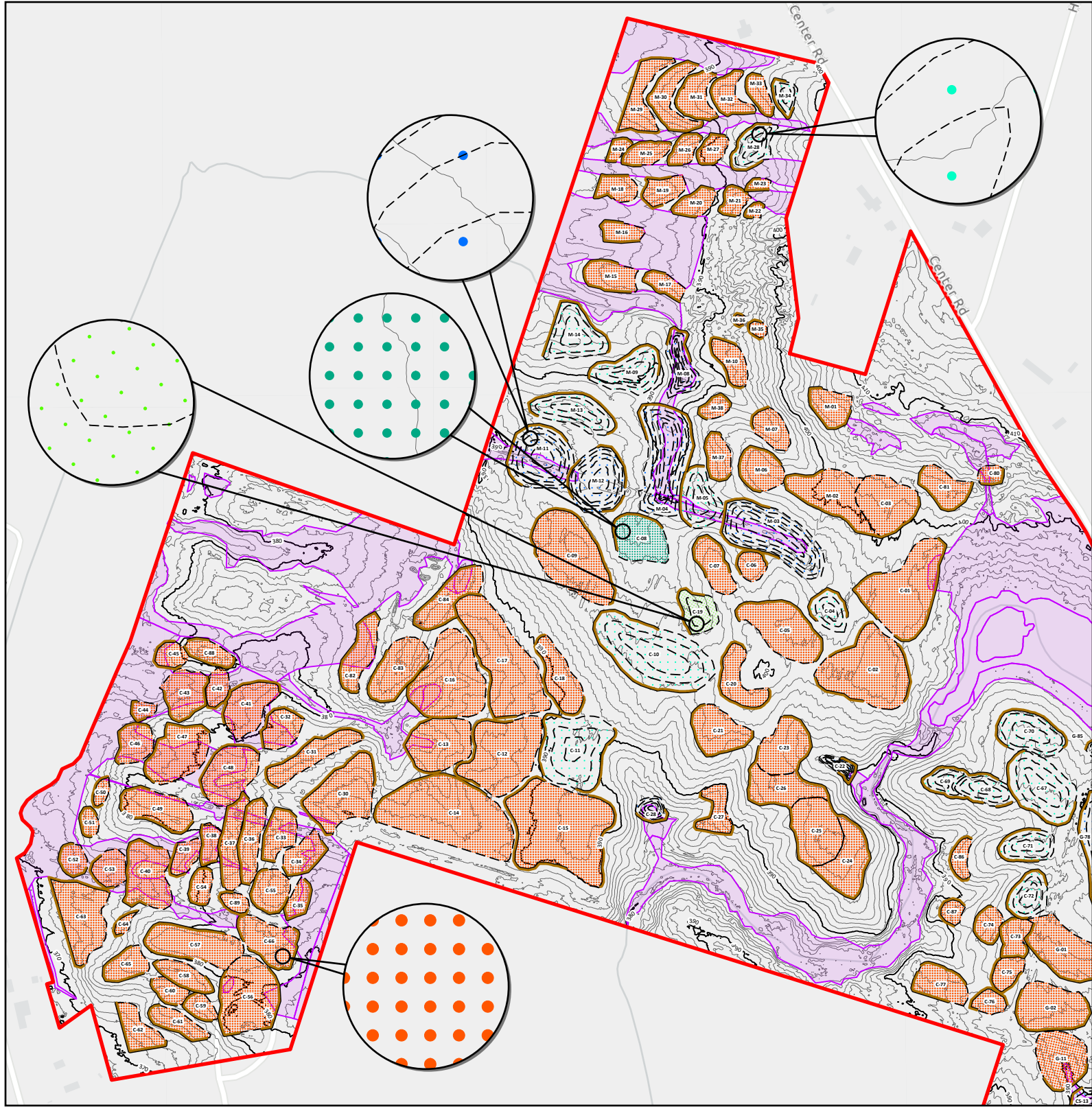
Town of Schroepfel,

Oswego County, NY

 The Wetland Trust, Inc.
4729 State Route 414
Burdett, NY 14818
(607) 765-4780

- Existing Wetland Preservation (34.8 ac)
- Existing Wetland Rehabilitation (41.3 ac Total)
 - Incidental (13.3 ac)
 - Additional: PSS - Scrub Shrub (1.2 ac)
 - Additional: PFO - Red Maple Hardwood Swamp (26.8 ac)
- Mitigation Wetlands (163.4 ac Total / 150.1 ac Reestablishment / 13.3 ac Incidental Rehabilitation)
 - PEM - Shallow Emergent Marsh (19.8 ac Total / 19.4 ac Reest. / 0.4 ac Incidental Rehab)
 - PEM - Deep Emergent Marsh (30.3 ac Total / 26.4 ac Reest. / 3.9 ac Incidental Rehab)
 - PSS - Scrub Shrub (14.2 ac Total / 12.8 ac Reest. / 1.4 ac Incidental Rehab)
 - PFO - Red Maple Hardwood Swamp (92.3 ac Total / 85.1 ac Reest. / 7.2 ac Incidental Rehab)
 - PFO - Hemlock Hardwood Swamp (6.8 ac Total / 6.4 ac Reest. / 0.4 ac Incidental Rehab)
- Upland Buffer (137.3 ac Total)
 - Herbaceous (40.5 ac)
 - Shrub / Forest (96.8 ac)
- Contour Line (1 ft)
- Conservation Easement Boundary DRAFT (409 ac)
- TWT Property Boundary (411.1 ac)

Cartographer: Michelle Herman | Date: 2 July 2025 | Projection: NAD 1983 (2011) State Plane New York Central | References: NYS GIS Clearinghouse

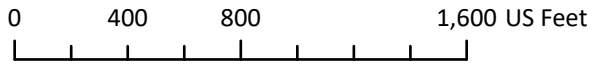


0 300 600 1,200 US Feet

Wetland Grading Plan - Northwest

Oneida River
Town of Schroepel,
Oswego County, NY

- Mitigation Wetland Core Trenches (Not to Scale; will not Exceed 3 ft H)
- Mitigation Wetland Pit and Mound Specifications (Average)
 - PEM Shallow Emergent Marsh: 24 in H x 36 in Dia, 30 ft Spacing
 - PEM Deep Emergent Marsh: 30 in H x 36 in Dia, 30 ft Spacing
 - PSS Scrub Shrub: 4 in H x 12 in Dia, 10 ft Spacing
 - PFO Red Maple Hardwood Swamp: 6 in H x 48 in Dia, 10 ft Spacing
 - PFO Hemlock Hardwood Swamp: 12 in H x 36 in Dia, 10 ft Spacing
- Existing Wetlands (76.9 ac)
- Mitigation Wetland Contours (0.5 ft)
- Existing Contours (1 ft)
- TWT Property Boundary (411.1 ac)



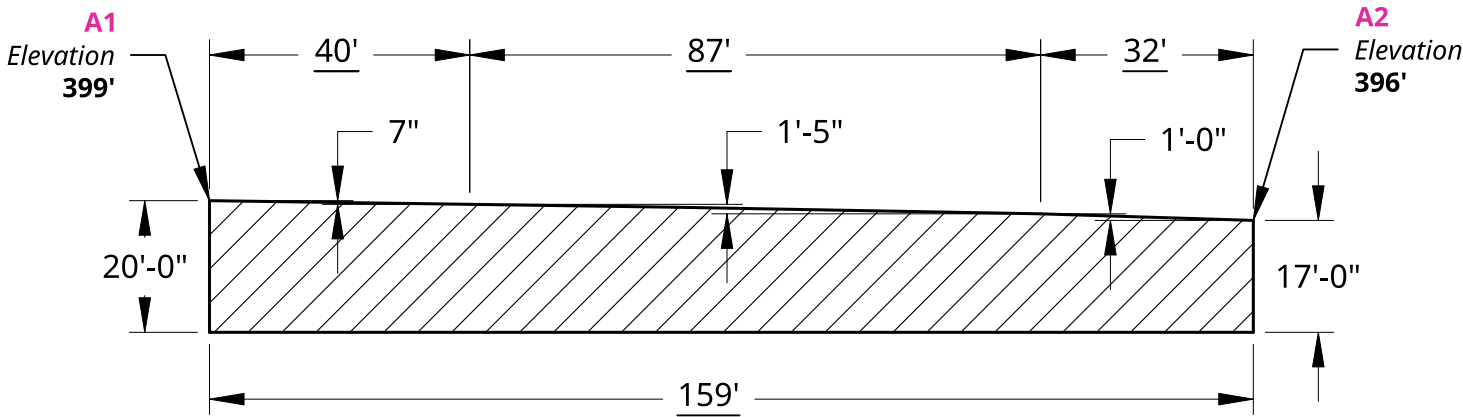
Wetland Grading Plan - Southeast

Oneida River
Town of Schroepel,
Oswego County, NY

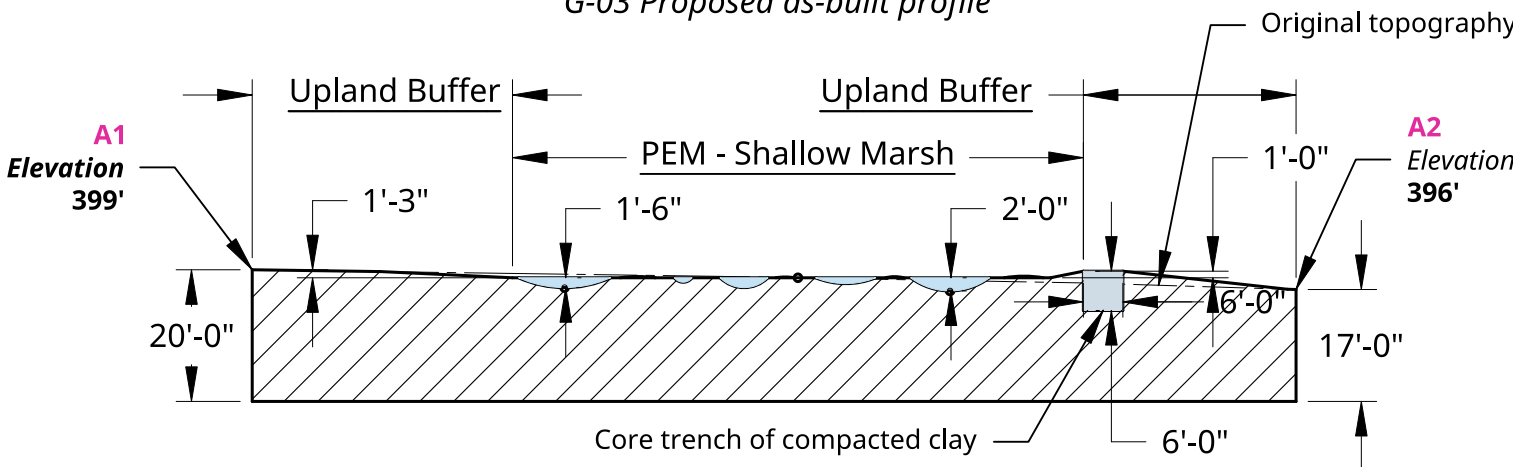
-  Mitigation Wetland Core Trenches (Not to Scale; will not Exceed 3 ft H)
- Mitigation Wetland Pit and Mound Specifications (Average)
 -  PEM Shallow Emergent Marsh: 24 in H x 36 in Dia, 30 ft Spacing
 -  PEM Deep Emergent Marsh: 30 in H x 36 in Dia, 30 ft Spacing
 -  PSS Scrub Shrub: 4 in H x 12 in Dia, 10 ft Spacing
 -  PFO Red Maple Hardwood Swamp: 6 in H x 48 in Dia, 10 ft Spacing
 -  PFO Hemlock Hardwood Swamp: 12 in H x 36 in Dia, 10 ft Spacing
-  Existing Wetlands (76.9 ac)
-  Mitigation Wetland Contours (0.5 ft)
-  Existing Contours (1 ft)
-  TWT Property Boundary (411.1 ac)

Oneida River Wetland Cross Sections: Shallow and Deep Marsh PEM

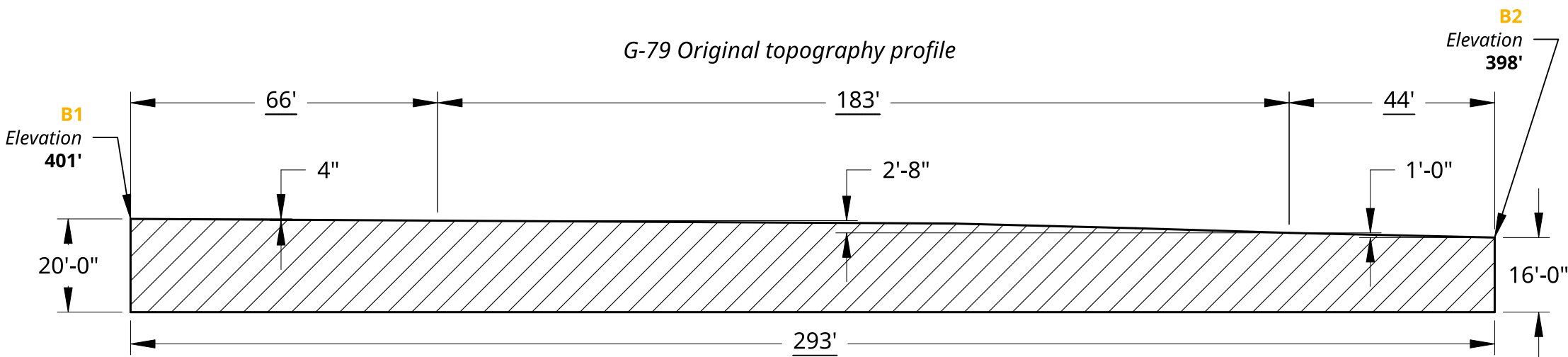
G-03 Original topography profile



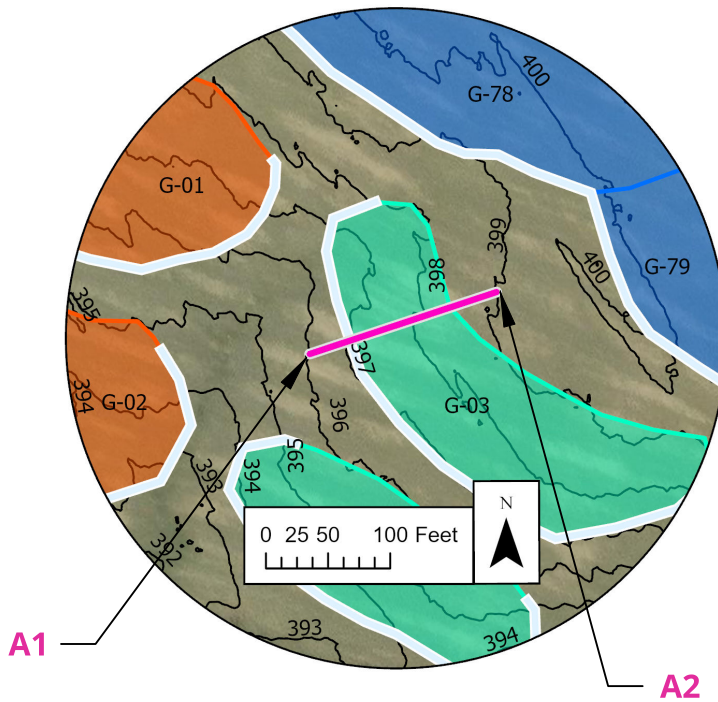
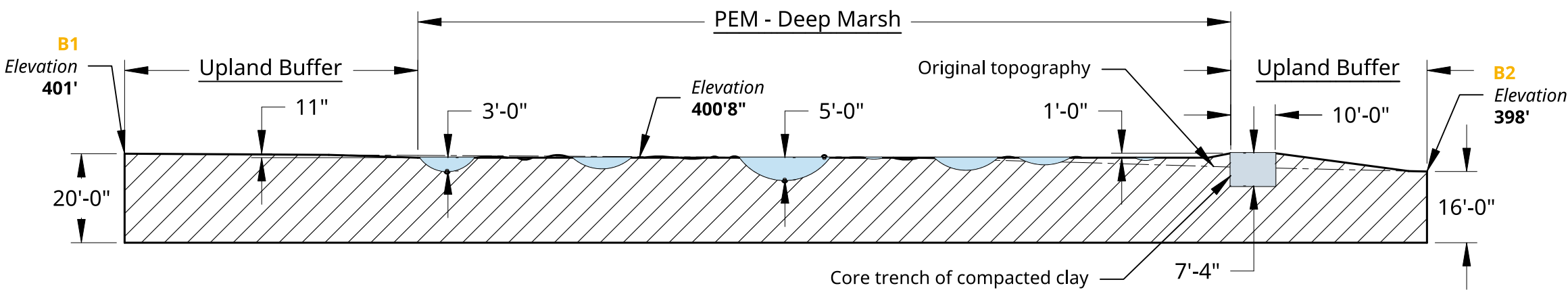
G-03 Proposed as-built profile



G-79 Original topography profile



G-79 Proposed as-built profile

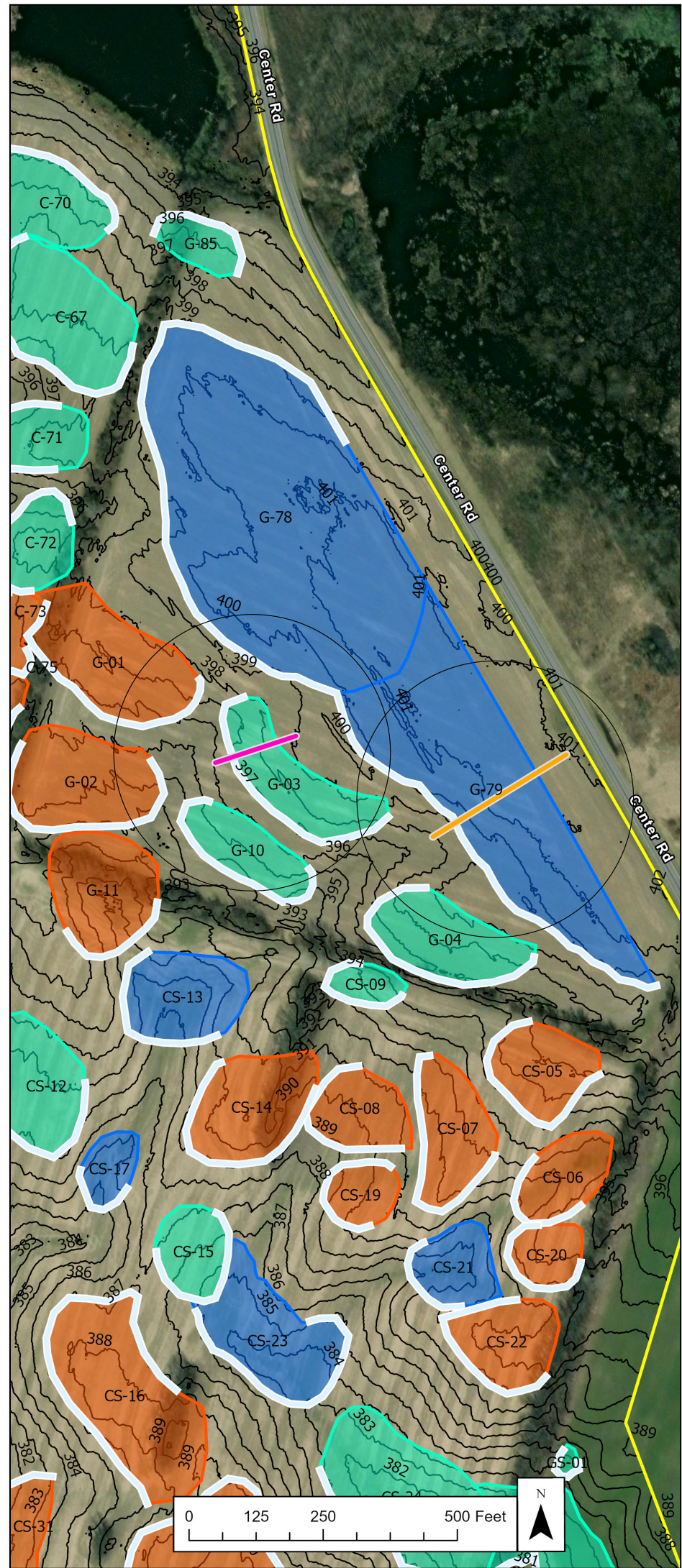
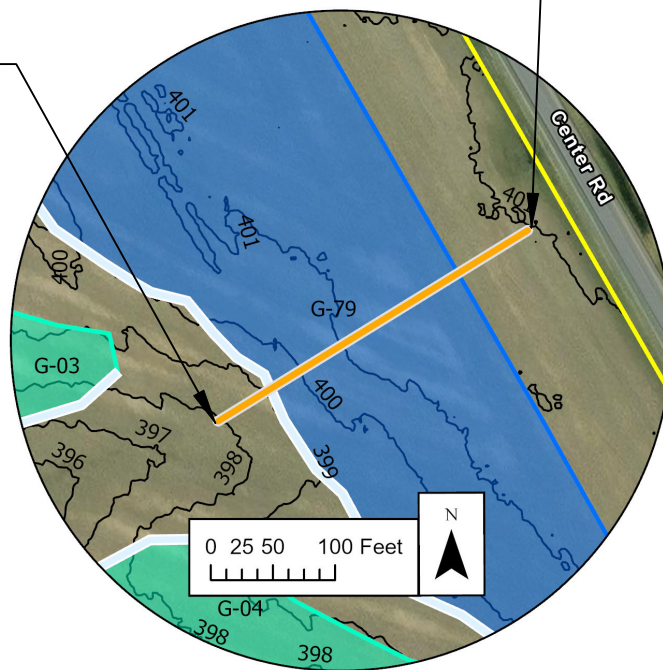


A1

A2

B2

B1

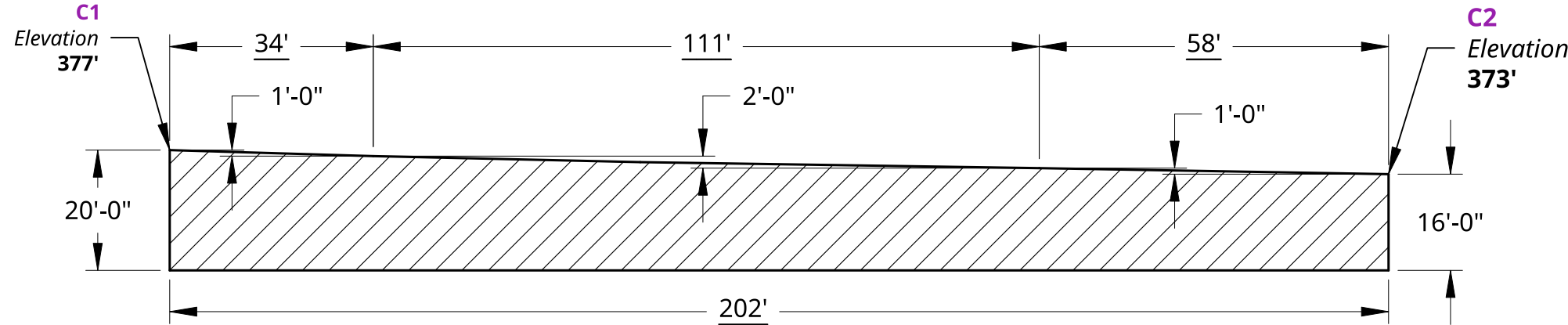


- TWT Property Boundaries
- Contour Line (1 ft)
- Oneida River Berms/Core Trenches
- PEM - Deep Emergent Marsh
- PEM - Shallow Emergent Marsh
- PEM - Deep Emergent Marsh
- PEM - Shallow Emergent Marsh
- PFO - Hemlock Hardwood Swamp
- PFO - Red Maple Hardwood Swamp
- PSS - Scrub Shrub
- Oneida River Designed Wetlands
- PEM - Deep Emergent Marsh
- PEM - Shallow Emergent Marsh
- PFO - Hemlock Hardwood Swamp
- PFO - Red Maple Hardwood Swamp
- PSS - Scrub Shrub

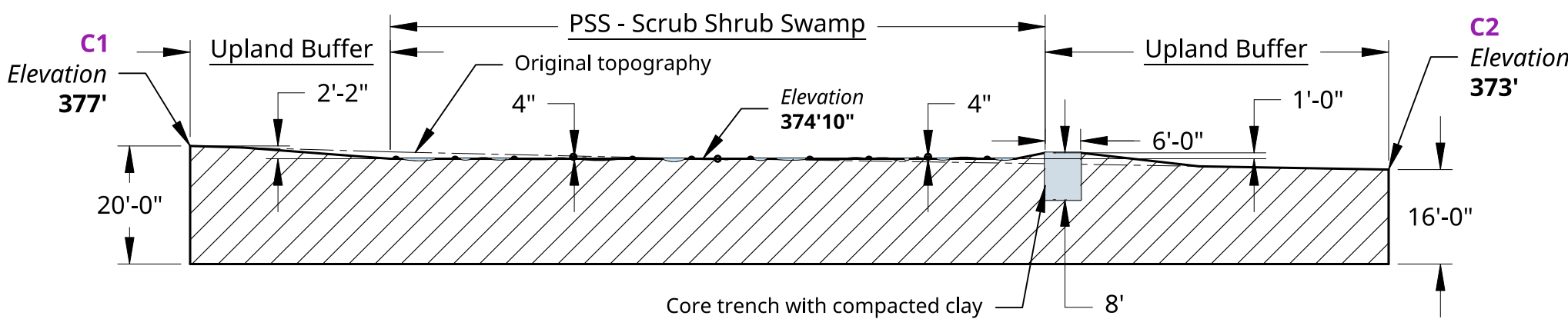
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN FEET.				TITLE			
DRAWN		NAME		DATE		ONEIDA RIVER WETLAND CROSS SECTIONS: SHALLOW AND DEEP PEM	
CHECKED		DYLAN JOHNSTON-JORDAN		06/06/2025			
APPROVED							
MATERIAL		FINISH		SIZE		DWG NO.	
				C			
SCALE		1:350		WEIGHT		SHEET	
						1 of 1	

Oneida River Wetland Cross Sections: PSS - Shrub Scrub Swamp and PFO Red-Maple Hardwood Swamp

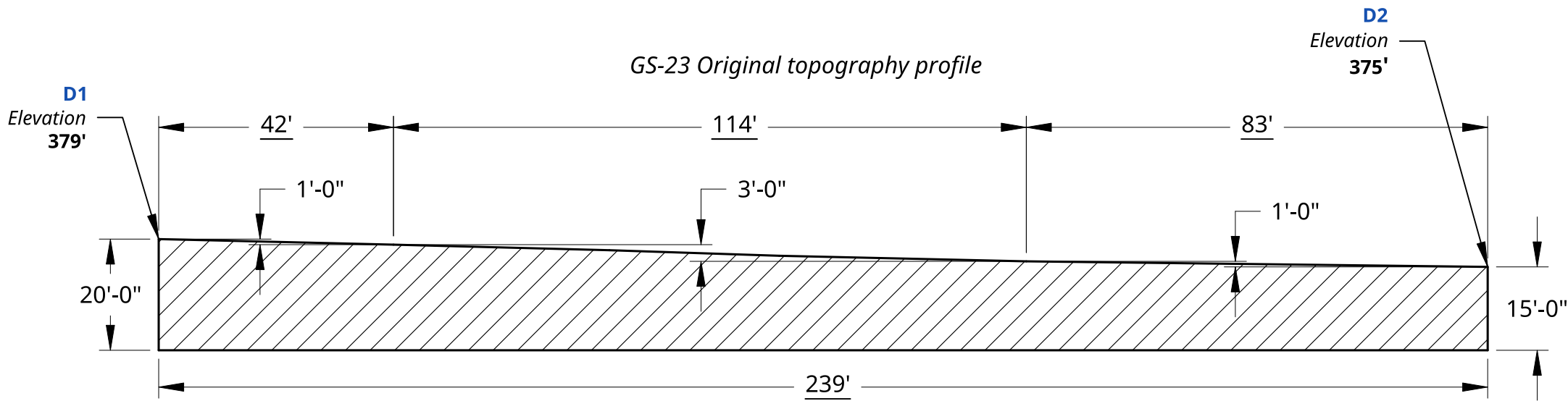
GS-11 Original topography profile



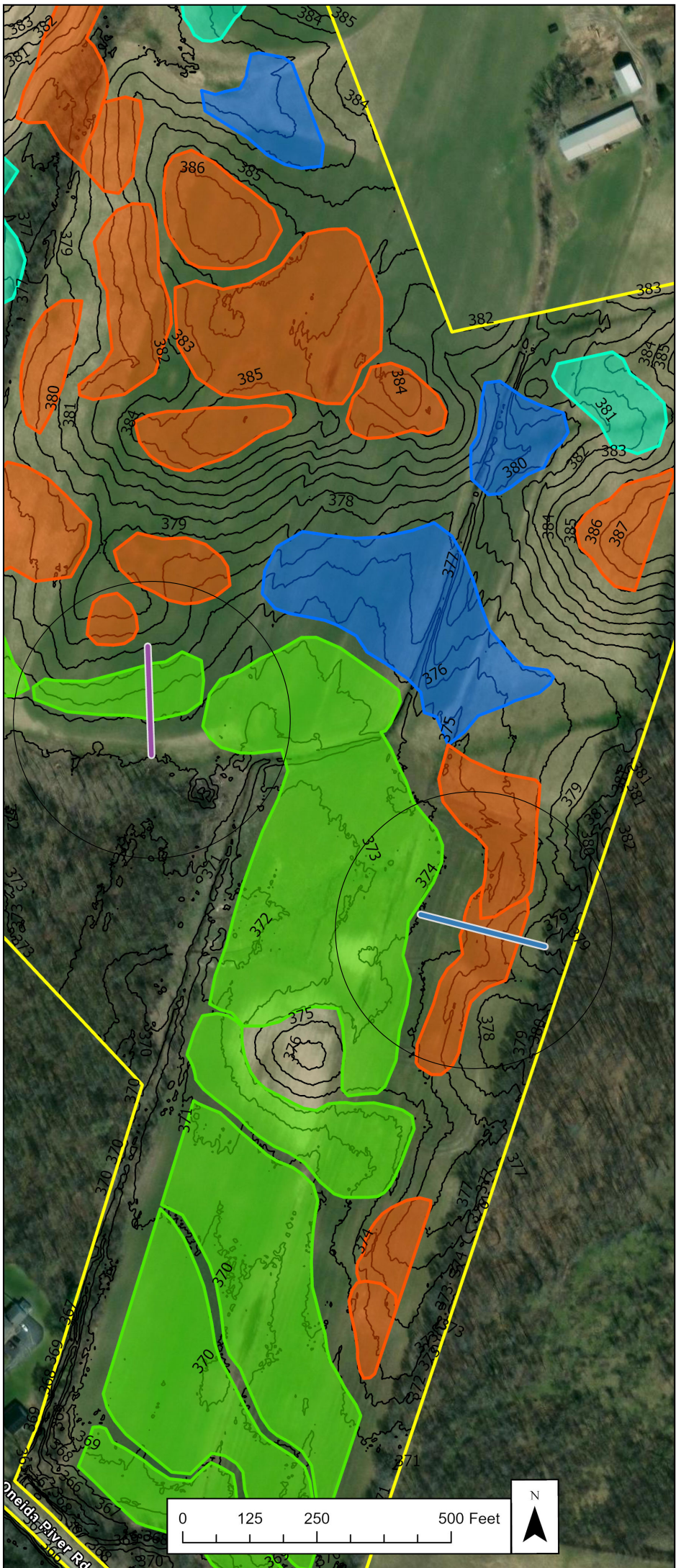
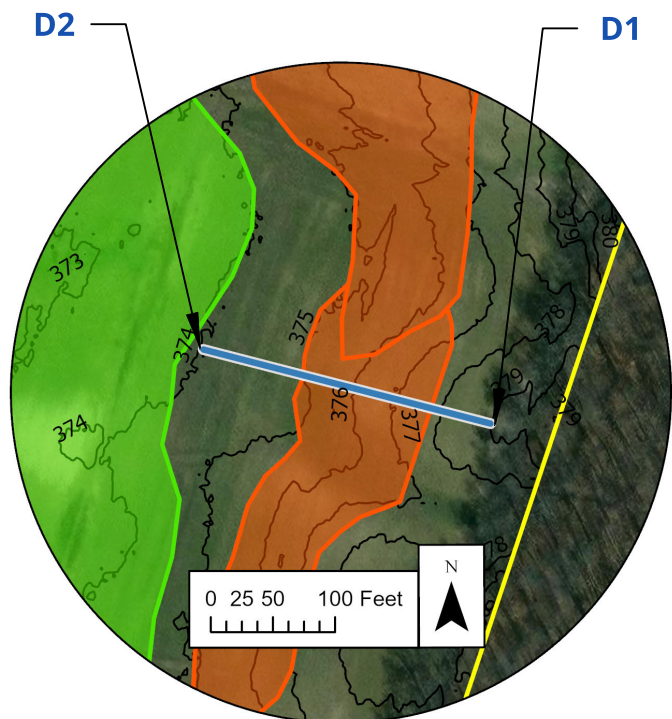
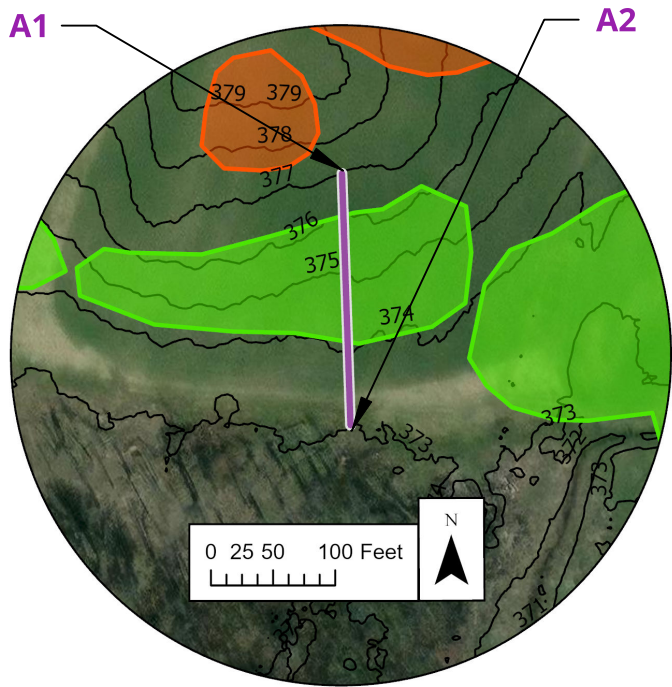
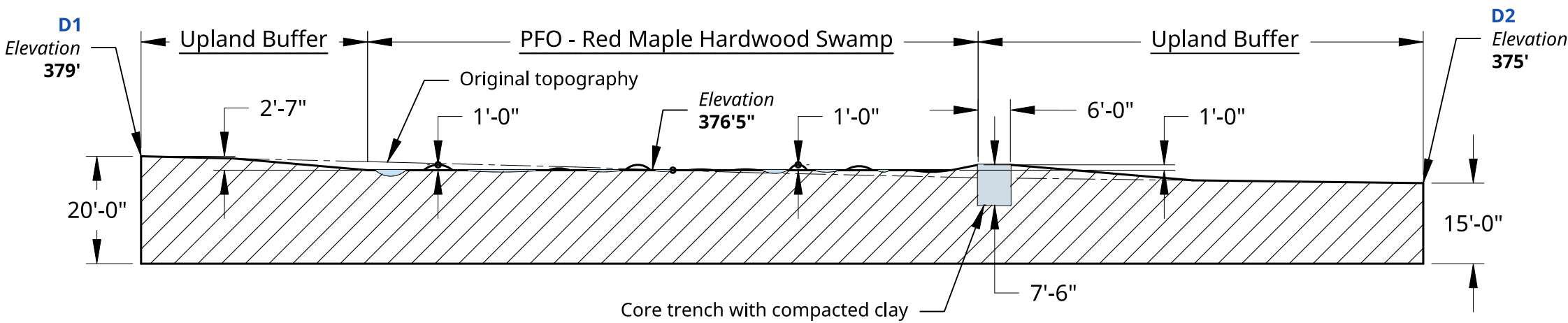
GS-11 Proposed as-built profile



GS-23 Original topography profile



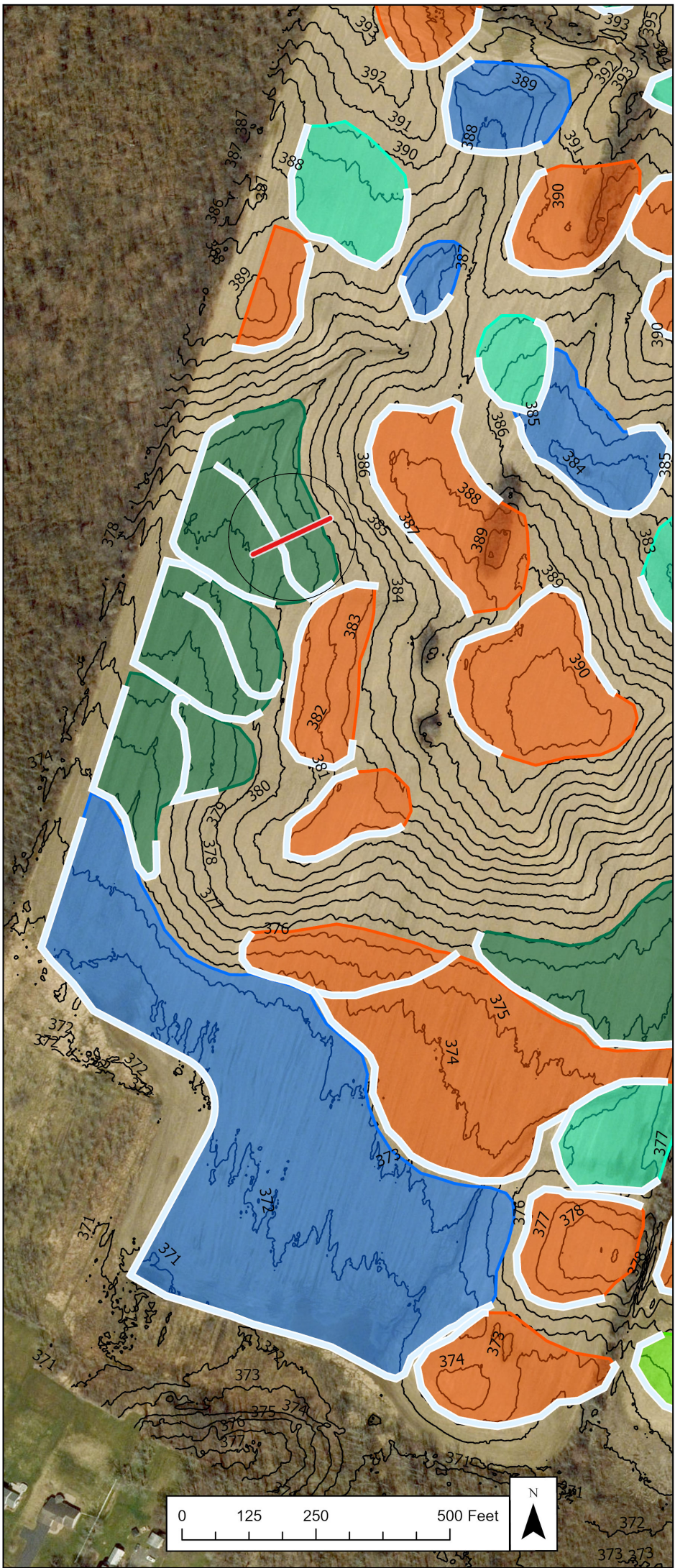
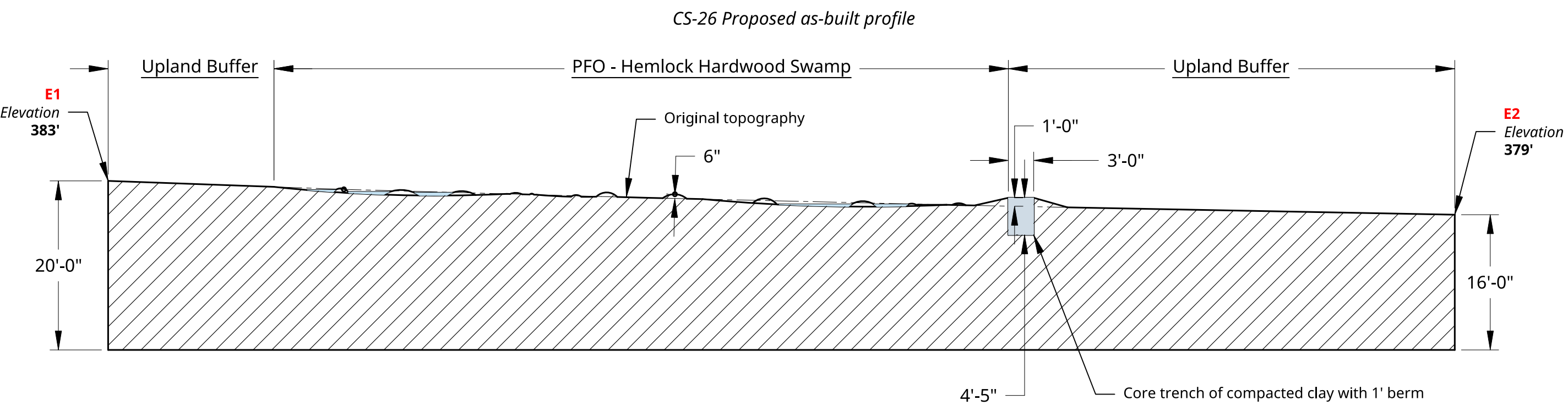
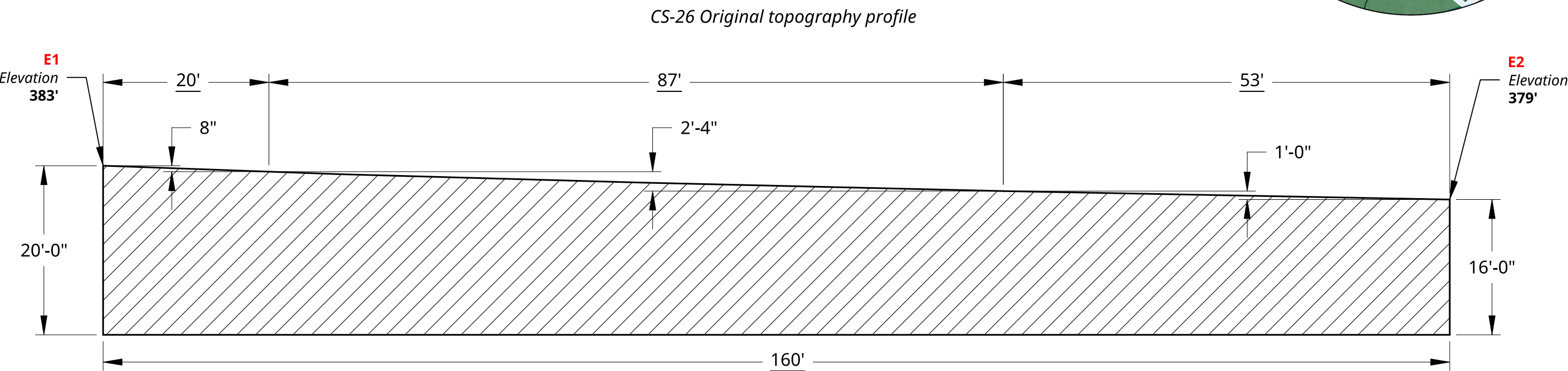
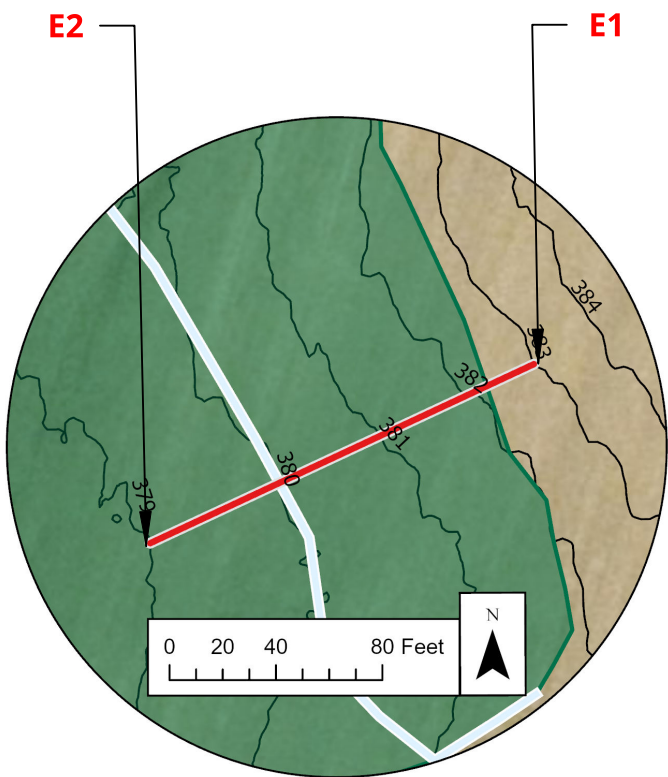
GS-23 Proposed as-built profile



- Legend:
- Yellow line: TWT Property Boundaries
 - Black line: Contour Line (1 ft)
 - Orange line: PEM - Deep Emergent Marsh
 - Pink line: PEM - Deep Emergent Marsh
 - Yellow line: PEM - Shallow Emergent Marsh
 - Red line: PFO - Hemlock Hardwood Swamp
 - Blue line: PFO - Red Maple Hardwood Swamp
 - Purple line: PSS - Scrub Shrub
 - Blue box: Oneida River Designed Wetlands
 - Yellow box: PEM - Deep Emergent Marsh
 - Green box: PEM - Shallow Emergent Marsh
 - Orange box: PFO - Hemlock Hardwood Swamp
 - Red box: PFO - Red Maple Hardwood Swamp
 - Green box: PSS - Scrub Shrub

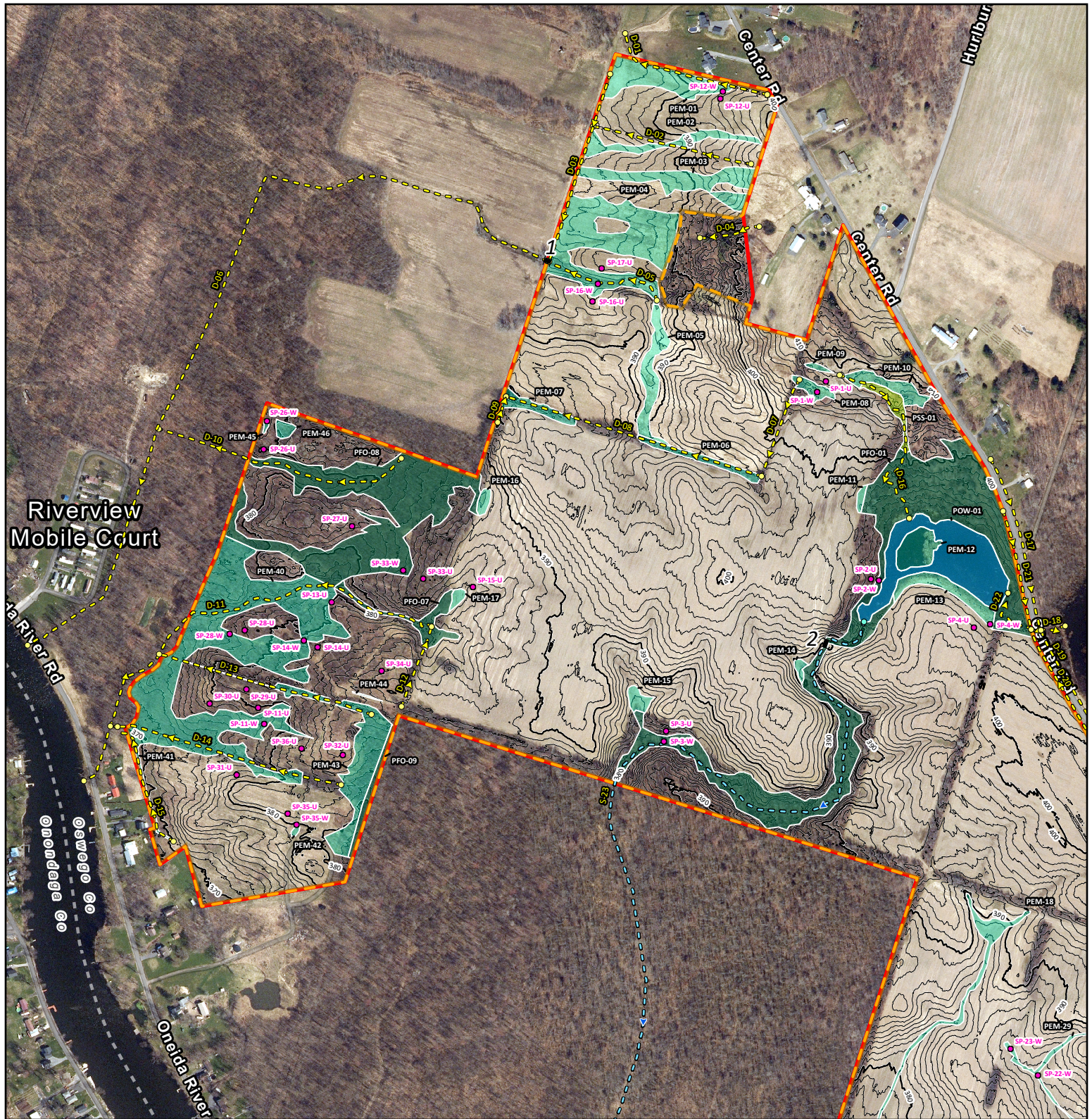
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN FEET.				TITLE			
DRAWN		NAME	DATE	Oneida River Wetland Cross Sections: PSS - Shrub Scrub Swamp and PFO Red-Maple Hardwood Swamp			
CHECKED							
APPROVED							
MATERIAL		FINISH		SIZE	DWG NO.	REV.	
				C			
SCALE		WEIGHT		SHEET		1 of 1	
1:300							

Oneida River Wetland Cross Sections: PFO - Hemlock Hardwood Swamp



- Contour Line (1 ft)
- Oneida River Berms/Core Trenches
- PEM - Deep Emergent Marsh
- PEM - Shallow Emergent Marsh
- PFO - Hemlock Hardwood Swamp
- PFO - Red Maple Hardwood Swamp
- PSS - Scrub Shrub
- <all other values>
- Type
- PEM - Deep Emergent Marsh
- PEM - Shallow Emergent Marsh
- PFO - Hemlock Hardwood Swamp
- PFO - Red Maple Hardwood Swamp
- PSS - Scrub Shrub
- <all other values>

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN FEET.				Oneida River Wetland Cross Sections: PFO - Hemlock Hardwood Forest			
DRAWN		NAME	DATE	TITLE			
CHECKED		DYLAN JOHNSTON-JORDAN	07/07/2025				
APPROVED							
MATERIAL		FINISH		SIZE	DWG NO.	REV.	
				C			
SCALE		1:150	WEIGHT	SHEET		1 of 1	

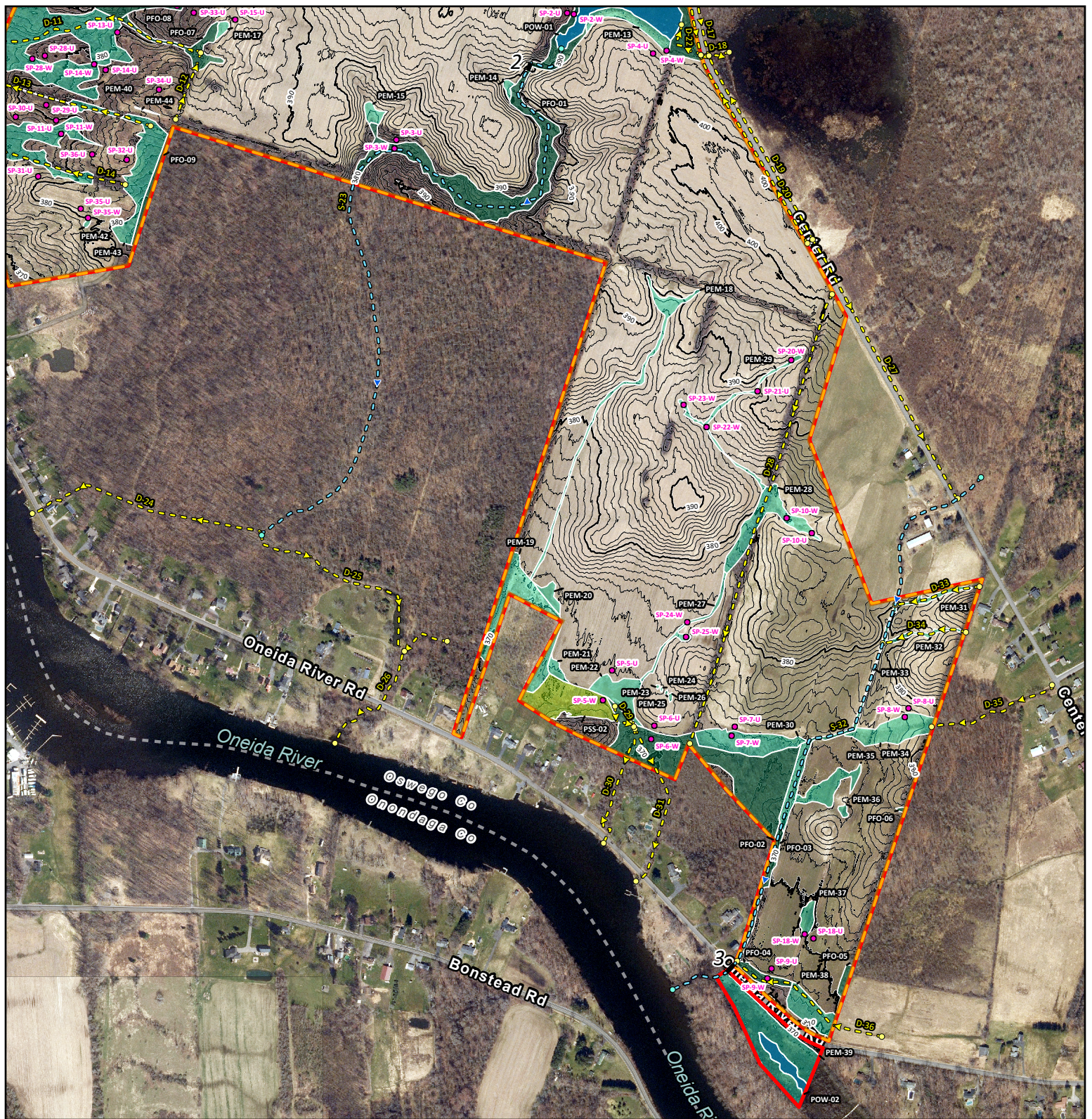


0 500 1,000 2,000 US Feet

Delineated Wetlands and Drainage Features

Oneida River - Northwest
Town of Schroepel,
Oswego County, NY

- Wetland Delineation Sample Points (n = 54)
- Culverts (n = 3)
- Drainage Features
 - ↗ Ditch
 - ↔ Stream
- Delineated Wetlands (76.9 ac Total)
 - Open Water - Pond (4 ac)
 - PEM (43.2 ac)
 - PSS (2.5 ac)
 - PFO (27.2 ac)
- Contour Line (1 ft)
- Delineation Concurrence Request Boundary (399.5 ac)
- TWT Property Boundary (407 ac)



0 500 1,000 2,000 US Feet

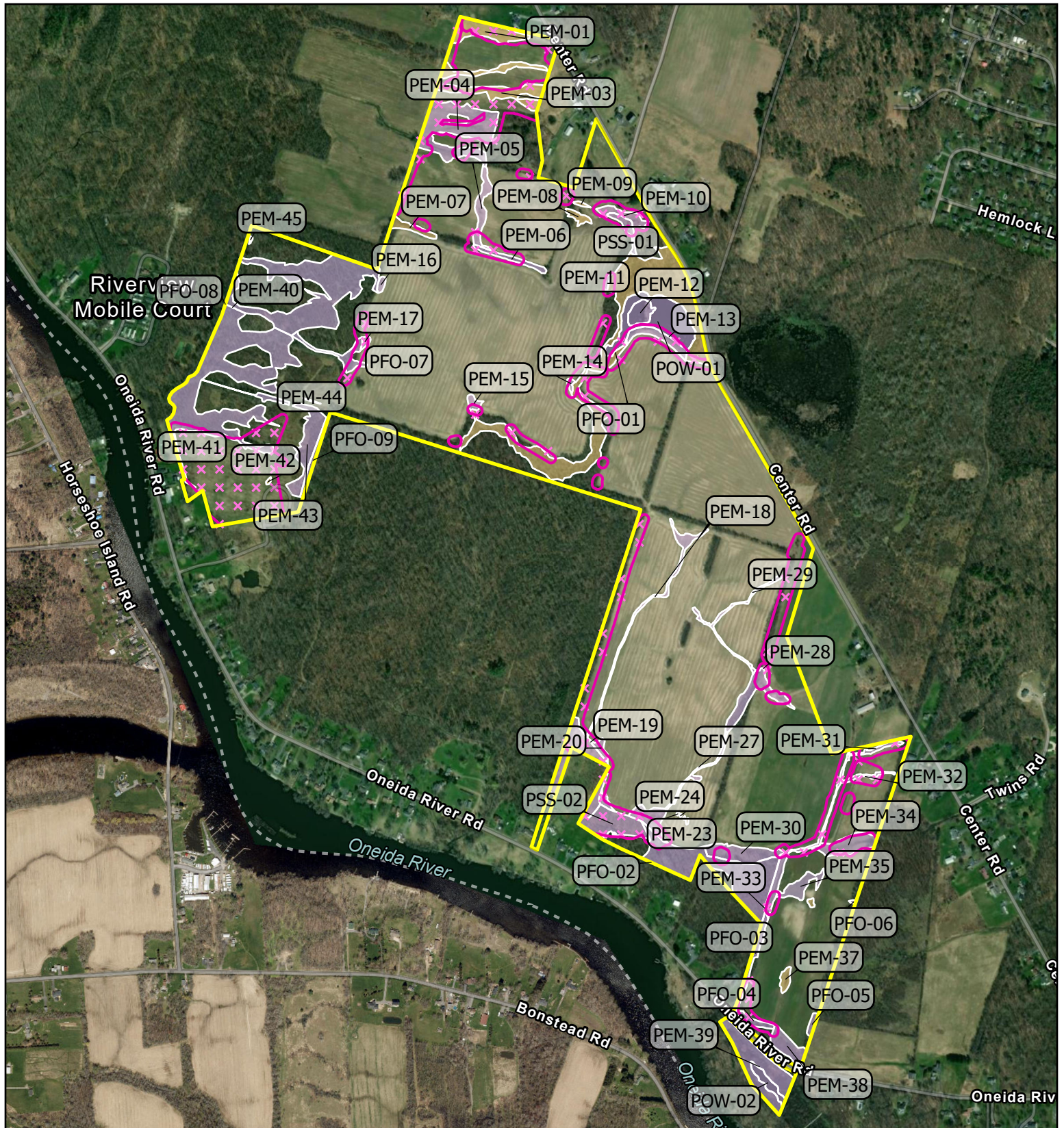
Delineated Wetlands and Drainage Features

Oneida River - Southeast
Town of Schroepel,
Oswego County, NY

- Wetland Delineation Sample Points (n = 54)
- Culverts (n = 3)
- Drainage Features
 - Ditch
 - Stream
- Delineated Wetlands (76.9 ac Total)
 - Open Water - Pond (4 ac)
 - PEM (43.2 ac)
 - PSS (2.5 ac)
 - PFO (27.2 ac)
- Contour Line (1 ft)
- Delineation Concurrence Request Boundary (399.5 ac)
- TWT Property Boundary (407 ac)



The Wetland Trust, Inc.
4729 State Route 414
Burdett, NY 14818
(607) 765-4780



0 462.5 925 1,850 Feet

Herbicide Application Treatment Area

Town of Schroepel
Oswego County, NY



The Wetland Trust, Inc.
4729 State Route 414
Burdett, NY 14818
(607) 765-4780

- TWT Property Boundaries
- Herbicide Application Treatment Area (56.14 ac)
- Jurisdictional (15.74 ac in application area)
- Non-Jurisdictional

N



Oneida River Site Photos



Figure 1. Oneida River northwest facing NNE



Figure 2. Oneida River central facing NNE



Figure 3. Oneida River southeast facing NE



Figure 4. Oneida River field detail

Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either “Yes” or “No”. If the answer to the initial question is “Yes”, complete the sub-questions that follow. If the answer to the initial question is “No”, proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Micron - Oneida River Wetland Mitigation		
Project Location (describe, and attach a general location map): 355 Center Road, Pennellville, NY 13132		
Brief Description of Proposed Action (include purpose or need): Oneida River is one of six mitigation sites proposed for the development of permittee responsible mitigation for impacts to streams and wetlands by the construction of Micron Four-Fab Central New York Semiconductor Manufacturing Complex. The Oneida River site will focus on wetland mitigation. The types of wetlands proposed at this site are shallow and deep emergent marsh, scrub-shrub, red maple hardwood swamp, and hemlock-hardwood forest.		
Name of Applicant/Sponsor: Micron New York Semiconductor Manufacturing LLC	Telephone: 208-368-4000	
	E-Mail: sngatzemeier@micron.com	
Address: 8000 S Federal Way		
City/PO: Boise	State: ID	Zip Code: 83716
Project Contact (if not same as sponsor; give name and title/role): Daniel Kwasnowski	Telephone: 315-459-1546	
	E-Mail: dan@thewetlandtrust.org	
Address: 4729 NY-414		
City/PO: Burdett	State: NY	Zip Code: 14818
Property Owner (if not same as sponsor): The Wetland Trust, Inc. (co-applicant)	Telephone: 315-459-1546	
	E-Mail: dan@thewetlandtrust.org	
Address: 4729 NY-414		
City/PO: Burdett	State: NY	Zip Code: 14818

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)		
Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, ☐ Yes ☒ No or Village Board of Trustees		
b. City, Town or Village ☐ Yes ☒ No Planning Board or Commission		
c. City, Town or ☐ Yes ☒ No Village Zoning Board of Appeals		
d. Other local agencies ☐ Yes ☒ No		
e. County agencies ☐ Yes ☒ No		
f. Regional agencies ☐ Yes ☒ No		
g. State agencies ☒ Yes ☐ No	NYSDEC, Article 24	
h. Federal agencies ☒ Yes ☐ No	USACE, Section 404	
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		☐ Yes ☒ No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		☐ Yes ☒ No
iii. Is the project site within a Coastal Erosion Hazard Area?		☐ Yes ☒ No

C. Planning and Zoning

C.1. Planning and zoning actions.	
Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐ Yes ☒ No	
• If Yes, complete sections C, F and G. • If No, proceed to question C.2 and complete all remaining sections and questions in Part 1	
C.2. Adopted land use plans.	
a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☒ Yes ☐ No	
If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐ Yes ☒ No	
b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☐ Yes ☒ No	
If Yes, identify the plan(s): _____ _____ _____	
c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐ Yes ☒ No	
If Yes, identify the plan(s): _____ _____ _____	

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☒ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?

b. Is the use permitted or allowed by a special or conditional use permit? ☐ Yes ☒ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☒ No

If Yes,

i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? Phoenix

b. What police or other public protection forces serve the project site?

Sheriff and State Trooper

c. Which fire protection and emergency medical services serve the project site?

Pennellville

d. What parks serve the project site?

none

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? wetland mitigation (private)

b. a. Total acreage of the site of the proposed action? _____ 405 acres

b. Total acreage to be physically disturbed? _____ 225 acres

c. Total acreage (project site and any contiguous properties) owned
or controlled by the applicant or project sponsor? _____ 407 acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☒ No

i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☒ No

If Yes,

i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

_____ ☐ Yes ☒ No

ii. Is a cluster/conservation layout proposed?

iii. Number of lots proposed? _____

iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☒ No

i. If No, anticipated period of construction: _____ 36 months

ii. If Yes:

- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____ year

• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☐ Yes ☒ No If Yes, show numbers of units proposed.				
	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
At completion	_____	_____	_____	_____
of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? ☐ Yes ☒ No If Yes,	
i. Total number of structures _____	
ii. Dimensions (in feet) of largest proposed structure: _____ height; _____ width; and _____ length	
iii. Approximate extent of building space to be heated or cooled: _____ square feet	

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐ Yes ☒ No If Yes,	
i. Purpose of the impoundment: _____	
ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify: _____ 	
iii. If other than water, identify the type of impounded/contained liquids and their source. _____	
iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres	
v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length	
vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): _____	

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☒ Yes ☐ No (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) If Yes:	
i. What is the purpose of the excavation or dredging? <u>create new basins for wetlands</u>	
ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?	
• Volume (specify tons or cubic yards): <u>0</u> • Over what duration of time? _____	
iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.	
<u>all materials excavated will be mineral soil from on site (high clay or clay loams) produced from excavating wetlands and stream channels. All material will remain on site to be used for core trenches and ditch plugs or stored in uplands on site where they will be vegetated and stabilized.</u>	
iv. Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☒ No	
If yes, describe. _____	
v. What is the total area to be dredged or excavated? _____ <u>150</u> acres	
vi. What is the maximum area to be worked at any one time? _____ <u>5</u> acres	
vii. What would be the maximum depth of excavation or dredging? _____ <u>6</u> feet	
viii. Will the excavation require blasting? ☐ Yes ☒ No	
ix. Summarize site reclamation goals and plan: _____	

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☒ Yes ☐ No If Yes:	
i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): <u>delineated DEC wetlands (see delineation map)</u>	

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:
Existing wetlands within the ag fields will be excavated as part of the planned wetland design to a desired depth depending on cover type and enhanced to better quality. They will remain wetlands post construction. Areas of fill include core trenches for the wetlands and select ditch plugs.

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☒ No
 If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☒ No
 If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

c. Will the proposed action use, or create a new demand for water? ☐ Yes ☒ No
 If Yes:

i. Total anticipated water usage/demand per day: _____ gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☐ Yes ☒ No
 If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? ☐ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No
- Do existing lines serve the project site? ☐ Yes ☐ No

iii. Will line extension within an existing district be necessary to supply the project? ☐ Yes ☐ No
 If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☒ No
 If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☐ Yes ☒ No
 If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

iii. Will the proposed action use any existing public wastewater treatment facilities? ☐ Yes ☒ No
 If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? ☐ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No

• Do existing sewer lines serve the project site? _____ • Will a line extension within an existing district be necessary to serve the project? If Yes: • Describe extensions or capacity expansions proposed to serve this project: _____	☐ Yes ☒ No ☐ Yes ☒ No
iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? If Yes: • Applicant/sponsor for new district: _____ • Date application submitted or anticipated: _____ • What is the receiving water for the wastewater discharge? _____	☐ Yes ☒ No
v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans): _____ _____	
vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____ _____ _____	
e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? If Yes: i. How much impervious surface will the project create in relation to total size of project parcel? _____ 0 Square feet or _____ 0 acres (impervious surface) _____ 0 Square feet or _____ 0 acres (parcel size) ii. Describe types of new point sources. _____ iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)? <u>on-site surface water and ground water (the wetlands designed on site will retain stormwater runoff, resulting in a decreased amount of runoff from existing conditions)</u> • If to surface waters, identify receiving water bodies or wetlands: _____ • Will stormwater runoff flow to adjacent properties? _____	☐ Yes ☒ No ☐ Yes ☐ No
iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater?	☐ Yes ☐ No
f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? If Yes, identify: i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles) _____ ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers) _____ iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation) _____	☐ Yes ☒ No
g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? If Yes: i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ii. In addition to emissions as calculated in the application, the project will generate: • _____ Tons/year (short tons) of Carbon Dioxide (CO₂) • _____ Tons/year (short tons) of Nitrous Oxide (N₂O) • _____ Tons/year (short tons) of Perfluorocarbons (PFCs) • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆) • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs) • _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)	☐ Yes ☒ No ☐ Yes ☐ No

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐ Yes ☒ No If Yes: i. Estimate methane generation in tons/year (metric): _____ ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____			
i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐ Yes ☒ No If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____			
j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐ Yes ☒ No If Yes: i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐ Weekend ☐ Randomly between hours of _____ to _____. ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____ iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____ iv. Does the proposed action include any shared use parking? ☐ Yes ☐ No v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____ vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐ Yes ☐ No vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐ Yes ☐ No viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐ Yes ☐ No			
k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☐ Yes ☒ No If Yes: i. Estimate annual electricity demand during operation of the proposed action: _____ ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____ iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐ Yes ☐ No			
l. Hours of operation. Answer all items which apply. <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> i. During Construction: • Monday - Friday: _____ 7 am -7 pm • Saturday: _____ 7 am -7 pm • Sunday: _____ 7 am -7 pm • Holidays: _____ 7 am -7 pm </td> <td style="width: 50%; vertical-align: top;"> ii. During Operations: • Monday - Friday: _____ • Saturday: _____ • Sunday: _____ • Holidays: _____ </td> </tr> </table>		i. During Construction: • Monday - Friday: _____ 7 am -7 pm • Saturday: _____ 7 am -7 pm • Sunday: _____ 7 am -7 pm • Holidays: _____ 7 am -7 pm	ii. During Operations: • Monday - Friday: _____ • Saturday: _____ • Sunday: _____ • Holidays: _____
i. During Construction: • Monday - Friday: _____ 7 am -7 pm • Saturday: _____ 7 am -7 pm • Sunday: _____ 7 am -7 pm • Holidays: _____ 7 am -7 pm	ii. During Operations: • Monday - Friday: _____ • Saturday: _____ • Sunday: _____ • Holidays: _____		

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☐ Yes ☒ No If yes: i. Provide details including sources, time of day and duration: <i>*no more ambient noise than existing farming operations*</i>	
ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☒ No Describe: _____	
n. Will the proposed action have outdoor lighting? ☐ Yes ☒ No If yes: i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures: _____	
ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☒ No Describe: _____	
o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☒ No If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____ _____	
p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☒ No If Yes: i. Product(s) to be stored _____ ii. Volume(s) _____ per unit time _____ (e.g., month, year) iii. Generally, describe the proposed storage facilities: _____	
q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☒ Yes ☐ No If Yes: i. Describe proposed treatment(s): <u>herbicide application to control existing invasive populations prior to construction</u> _____ _____	
ii. Will the proposed action use Integrated Pest Management Practices? ☒ Yes ☐ No	
r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☒ No If Yes: i. Describe any solid waste(s) to be generated during construction or operation of the facility: • Construction: _____ tons per _____ (unit of time) • Operation : _____ tons per _____ (unit of time) ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste: • Construction: _____ • Operation: _____ iii. Proposed disposal methods/facilities for solid waste generated on-site: • Construction: _____ • Operation: _____	

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☒ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☒ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: _____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☐ Commercial ☐ Residential (suburban) ☐ Rural (non-farm)

☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe: _____

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces			
• Forested	45.5	146.8	+101.3
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0	45	+45
• Agricultural (includes active orchards, field, greenhouse etc.)	283.5	0	-283.5
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)	76	213.2	+137.2
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: _____			

c. Is the project site presently used by members of the community for public recreation? i. If Yes: explain: _____	☐ Yes ☒ No
d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? If Yes, i. Identify Facilities: _____ _____	☐ Yes ☒ No
e. Does the project site contain an existing dam? If Yes: i. Dimensions of the dam and impoundment: • Dam height: _____ feet • Dam length: _____ feet • Surface area: _____ acres • Volume impounded: _____ gallons OR acre-feet ii. Dam's existing hazard classification: _____ iii. Provide date and summarize results of last inspection: _____ _____	☐ Yes ☒ No
f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? If Yes: i. Has the facility been formally closed? _____ • If yes, cite sources/documentation: _____ ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____ _____ iii. Describe any development constraints due to the prior solid waste activities: _____ _____	☐ Yes ☒ No ☐ Yes ☐ No
g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? If Yes: i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____ _____	☐ Yes ☒ No
h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? If Yes: i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐ Yes – Spills Incidents database ☐ Yes – Environmental Site Remediation database ☐ Neither database Provide DEC ID number(s): _____ Provide DEC ID number(s): _____ ii. If site has been subject of RCRA corrective activities, describe control measures: _____ _____ _____	☐ Yes ☒ No ☐ Yes ☐ No
iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? If yes, provide DEC ID number(s): _____ iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____ _____ _____	☐ Yes ☒ No

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☒ No													
- If yes, DEC site ID number: _____ - Describe the type of institutional control (e.g., deed restriction or easement): _____ - Describe any use limitations: _____ - Describe any engineering controls: _____ - Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No - Explain: _____ _____													
E.2. Natural Resources On or Near Project Site													
a. What is the average depth to bedrock on the project site? _____ feet													
b. Are there bedrock outcroppings on the project site? ☐ Yes ☒ No If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %													
c. Predominant soil type(s) present on project site: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Rhinebeck silt loam, 2-6% slopes</td> <td style="width: 30%; text-align: right;">44.07 %</td> </tr> <tr> <td>Rhinebeck silt loam, 0-2% slopes</td> <td style="text-align: right;">17.03 %</td> </tr> <tr> <td>Canandaigua silt loam</td> <td style="text-align: right;">14.6 %</td> </tr> </table>		Rhinebeck silt loam, 2-6% slopes	44.07 %	Rhinebeck silt loam, 0-2% slopes	17.03 %	Canandaigua silt loam	14.6 %						
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Rhinebeck silt loam, 0-2% slopes	17.03 %												
Canandaigua silt loam	14.6 %												
d. What is the average depth to the water table on the project site? Average: _____ >4 feet													
e. Drainage status of project site soils: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">☒ Well Drained:</td> <td style="width: 40%; text-align: right;"><1 % of site</td> </tr> <tr> <td>☒ Moderately Well Drained:</td> <td style="text-align: right;">5.7 % of site</td> </tr> <tr> <td>☒ Poorly Drained</td> <td style="text-align: right;">93.42 % of site</td> </tr> </table>		☒ Well Drained:	<1 % of site	☒ Moderately Well Drained:	5.7 % of site	☒ Poorly Drained	93.42 % of site						
☒ Well Drained:	<1 % of site												
☒ Moderately Well Drained:	5.7 % of site												
☒ Poorly Drained	93.42 % of site												
f. Approximate proportion of proposed action site with slopes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">☒ 0-10%:</td> <td style="width: 60%; text-align: right;">90 % of site</td> </tr> <tr> <td>☐ 10-15%:</td> <td style="text-align: right;">_____ % of site</td> </tr> <tr> <td>☐ 15% or greater:</td> <td style="text-align: right;">_____ % of site</td> </tr> </table>		☒ 0-10%:	90 % of site	☐ 10-15%:	_____ % of site	☐ 15% or greater:	_____ % of site						
☒ 0-10%:	90 % of site												
☐ 10-15%:	_____ % of site												
☐ 15% or greater:	_____ % of site												
g. Are there any unique geologic features on the project site? ☐ Yes ☒ No If Yes, describe: _____ _____													
h. Surface water features.													
i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☒ Yes ☐ No													
ii. Do any wetlands or other waterbodies adjoin the project site? ☒ Yes ☐ No													
If Yes to either <i>i</i> or <i>ii</i> , continue. If No, skip to E.2.i.													
iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☒ Yes ☐ No													
iv. For each identified regulated wetland and waterbody on the project site, provide the following information: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">• Streams:</td> <td style="width: 40%;">Name <u>899-10</u></td> <td style="width: 50%;">Classification <u>C</u></td> </tr> <tr> <td>• Lakes or Ponds:</td> <td>Name <u>899-10.1</u></td> <td>Classification <u>C</u></td> </tr> <tr> <td>• Wetlands:</td> <td>Name <u>Federal Waters, Federal Waters, Federal Waters,...</u></td> <td>Approximate Size _____</td> </tr> <tr> <td>• Wetland No. (if regulated by DEC)</td> <td colspan="2">_____</td> </tr> </table>		• Streams:	Name <u>899-10</u>	Classification <u>C</u>	• Lakes or Ponds:	Name <u>899-10.1</u>	Classification <u>C</u>	• Wetlands:	Name <u>Federal Waters, Federal Waters, Federal Waters,...</u>	Approximate Size _____	• Wetland No. (if regulated by DEC)	_____	
• Streams:	Name <u>899-10</u>	Classification <u>C</u>											
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• Wetlands:	Name <u>Federal Waters, Federal Waters, Federal Waters,...</u>	Approximate Size _____											
• Wetland No. (if regulated by DEC)	_____												
v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☒ No If yes, name of impaired water body/bodies and basis for listing as impaired: _____ _____													
i. Is the project site in a designated Floodway? ☐ Yes ☒ No													
j. Is the project site in the 100-year Floodplain? ☒ Yes ☐ No													
k. Is the project site in the 500-year Floodplain? ☒ Yes ☐ No													
l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☒ Yes ☐ No If Yes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">i. Name of aquifer:</td> <td><u>Principal Aquifer</u></td> </tr> </table>		i. Name of aquifer:	<u>Principal Aquifer</u>										
i. Name of aquifer:	<u>Principal Aquifer</u>												

m. Identify the predominant wildlife species that occupy or use the project site: _____ _____ _____	
n. Does the project site contain a designated significant natural community? ☐ Yes ☒ No If Yes: i. Describe the habitat/community (composition, function, and basis for designation): _____ ii. Source(s) of description or evaluation: _____ iii. Extent of community/habitat: • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres	
o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☒ Yes ☐ No If Yes: i. Species and listing (endangered or threatened): _____ Lake Sturgeon _____ _____	
p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☒ No If Yes: i. Species and listing: _____ _____ _____	
q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☒ No If yes, give a brief description of how the proposed action may affect that use: _____ _____ _____	
E.3. Designated Public Resources On or Near Project Site	
a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☒ Yes ☐ No If Yes, provide county plus district name/number: OSWE011	
b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☒ No i. If Yes: acreage(s) on project site? _____ ii. Source(s) of soil rating(s): _____	
c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☒ No If Yes: i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____ _____ _____	
d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☒ No If Yes: i. CEA name: _____ ii. Basis for designation: _____ iii. Designating agency and date: _____	



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources to confirm data provided by the Mapper or to obtain data not provided by the Mapper.



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes - Digital mapping information on local, New York State, and federal wetlands and waterbodies is known to be incomplete. Refer to the EAF Workbook.
E.2.h.ii [Surface Water Features]	Yes - Digital mapping information on local, New York State, and federal wetlands and waterbodies is known to be incomplete. Refer to the EAF Workbook.
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local, New York State, and federal wetlands and waterbodies is known to be incomplete. Refer to the EAF Workbook.
E.2.h.iv [Surface Water Features - Stream Name]	899-10
E.2.h.iv [Surface Water Features - Stream Classification]	C
E.2.h.iv [Surface Water Features - Lake/Pond Name]	899-10.1

E.2.h.iv [Surface Water Features - Lake/Pond Classification]	C
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	Yes
E.2.k. [500 Year Floodplain]	Yes
E.2.l. [Aquifers]	Yes
E.2.l. [Aquifer Names]	Principal Aquifer
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	Yes
E.2.o. [Endangered or Threatened Species - Name]	Lake Sturgeon
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	Yes
E.3.a. [Agricultural District]	OSWE011
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Yes - Digital mapping data for archaeological site boundaries are not available. Refer to EAF Workbook.
E.3.e.ii [National or State Register of Historic Places or State Eligible Sites - Name]	New York State Barge Canal Historic District
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No