



Public Notice

Applicant: Cayuga County

Published: August 15, 2016
Expires: September 14, 2016

U.S. Army Corps
of Engineers
Buffalo District
CELRB-TD-R

Application No: 2013-00188
Section: NY

All written comments should reference the above Application No. and be addressed to:
US Army Corps of Engineers, Buffalo District
Attn: Margaret Crawford
7413 County House Road
Auburn, NY 13021

THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC REGARDING THE WORK DESCRIBED BELOW. NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED AT THIS TIME.

**Application for Permit under Authority of
Section 404 of the Clean Water Act (33 U.S.C. 1344).**

APPLICANT: Cayuga County Planning Department, 160 Genesee Street, Auburn, New York 13021

WATERWAY & LOCATION: Wetlands adjacent to the Owasco Inlet, on 118 acres of City of Auburn owned and easement land located east of State Route 38 in what is referred to as the Owasco Flats, in the Town of Moravia, Cayuga County, New York.

LATITUDE & LONGITUDE: Latitude North: 42.7367
Longitude West: -76.44684

EXISTING CONDITIONS: The Owasco Flats encompass approximately 1,500 acres of land within the Owasco Inlet floodplain. Land cover within the Flats includes swamps, forest, emergent marsh, active agricultural fields, successional old field communities and sparse residential development. The functionality of the floodplain wetlands have been compromised by human activity, including agricultural drainage and channelization activities. As a result, the wetlands ability to filter floodwaters from the Inlet have been reduced, increasing sediment and nutrient loading into the lake.

Description of delineation of waters of the US (See Sheets 3-10): The 118 acre parcel was delineated, and a Preliminary Jurisdictional Determination (PJD) was sent to the applicant on March 25, 2014. The PJD identified three wetlands, totaling 99.87 acres, and three streams totaling 5,400 linear feet. Wetland A is a 30.63 acre emergent (PEM), scrub/shrub (PSS), forested wetland (PFO), Wetland B is a 55.45 acre emergent open water wetland, and Wetland C is a 13.79 acre PEM/SS/FO wetland. Stream 1 is the Owasco Inlet, for which 3,650 linear feet are located on site. Stream 2 is a perennial tributary of the Owasco Inlet, totaling 1,600 linear feet on site, and Stream 3 is an intermittent tributary to Wetland A, totaling 150 linear feet on site.

PROPOSED WORK: The applicant has proposed to reconnect the Inlet with its floodplain through water control structures and the construction of excavated basins in areas bordering the Owasco Inlet. The project would entail the following:

1. Excavated Wetland Basins: Three excavated wetland basins are proposed. Two of the basins would be constructed in existing Wetlands A and B, and one would be constructed in upland. The basins would range in size from 1.4 to 3.2 acres, and would create up to 6.7 acres of open water and emergent wetland, with a net increase of 3.2 acres of waters. Basin 1 will be excavated in Wetland A, resulting in the conversion of 2 acres of emergent wetland habitat to open water / deeper emergent wetland habitat (Sheet 16). Basin 2 will be excavated in Wetland B, and will result in the conversion of 1.42 acres of emergent wetland habitat to open water / deeper emergent wetland habitat (Sheets 17 and 18). Basin 3 will be primarily excavated in upland, and will total 3.22 acres (Sheets 19 and 20). Basin 3 will result in the minor conversion of 0.06 acres of emergent wetland to open water / deeper emergent wetland habitat. At the north end of Basin 3, the applicant has proposed maintenance to an outlet swale, resulting in temporary impacts to 0.035 acres of wetland via excavation (Sheet 21).

When inundated the basins would have up to 24 inches of water. Each basin would include a fore bay for pre-treatment of flood waters. During construction, the basins will be stripped of topsoil to be replaced after proposed grades are achieved. The basins are designed to attenuate flood flow velocities and improve water quality by allowing sediment to settle out of the water column and facilitate nutrient up-take by wetland vegetation. These basins are designed to direct floodwater discharge out into existing wetlands within the Flats.

2. Stream Alterations: The applicant proposes to redirect Stream 2 that enters the site from the west to an existing outlet channel from the existing open water area to the northeast (Sheet 17). Stream 2 is an unnamed tributary to the Owasco Inlet, ranging in width from three to six feet, with a cobble and gravel substrate closest to Route 38, but then resembling a dug ditch with a silt bottom as it proceeds through the site. This will involve minor grading to create a new inlet to the pond, as well as cleaning out an existing outlet channel from the pond to the northeast, resulting in 0.11 acres of temporary disturbance from excavation.

The applicant proposes to add ditch plugs within the remaining portion of Stream 2 that runs parallel to the existing access road to slow the water and create a linear wetland. These plugs would be low berms of native material, approximately 18 inches high by 6

feet wide. It is anticipated that this will result in a permanent conversion from stream to wetland of an area measuring 0.084 acres and temporary impacts to 0.11 acres to Wetland B. The purpose of the stream alterations is to restore the site hydrology to historical conditions.

3. Water Control Structures (Sheets 16, 19, 26, 27): Two 24-inch diameter corrugated polyethylene pipes would be installed at each of three predetermined points along the Owasco Inlet. The pipes would be set at elevations just above winter and summer bank-full height and would be fitted with backflow prevention devices to inhibit flows back into the Owasco Inlet. The installation of these structures will result in 0.052 acres of permanent fill into Wetland A for Basin 1, 0.007 acres of permanent fill to Wetland A at Basin 2, and 0.01 acres of permanent fill to Wetland A for Basin 3.
4. Hummocks and Vernal Pools (Sheet 21): A vernal pool area would be created in the northern end of the project area to provide enhanced amphibian habitat. Five pools, ranging in size from 0.04 to 0.09 acres would be created, interspersed with small elevated hummocks. No impacts to wetland are proposed.
5. Access Roads: A permanent access road to the project would be constructed, impacting an area 1,025 feet long by 12 feet wide through wetlands, with culverts to provide cross drainage. With side slopes, this will result in the permanent loss of 0.62 acres of Wetland. A 10 foot long section of road crossing a portion of Stream 3 would be armored with heavy stone to protection the area from washing out, providing for an at-grade crossing (Sheet 15). The access road will then cross Stream 2, where 25 linear feet of permanent fill is proposed to redirect Stream 2 flows into Wetland B, as discussed above (Sheet 15). At the second Stream 2 crossing, an existing 24 inch culvert would be replaced (Sheet 16). In addition, a road measuring 874 feet long by 10 feet wide is proposed within Wetland A along the east side of proposed Basin No. 1, for 0.21 acres of permanent loss of wetland (Sheet 16). Lastly, the applicant has proposed 0.01 acres of permanent impact to Wetland A for proposed access between Basin No. 3 and the Owasco Inlet (Sheet 19). The purpose of the access roads is to provide access during construction and maintenance, as well as to provide access for education and research purposes.
6. Disposal: Excess spoil would be placed surrounding portions of an abandoned railroad, to create an elevated viewing area for the public, resulting in approximately 0.8 acres of permanent fill to Wetland B (Sheet 19).

PROJECT PURPOSE

Basic: improve water quality

Overall: to moderate the phosphorus and sediment loading entering Owasco Lake.

Water Dependency Determination (*describe only if project affecting Special Aquatic Site*): The activity does not require access or proximity to or sighting within a special aquatic site to fulfill its basic purpose. Therefore, the activity is not water dependent.

AVOIDANCE AND MINIMIZATION INFORMATION: The applicant has sited portions of the project in upland areas where possible, and has minimized impacts by using portions of an existing road. A feasibility study was conducted in 2009 prior to the development of the current project design. Various alternatives were explored, including:

- Reconstruction/restoration of channelized portions of Dry and Mill Creeks above their confluence with the Owasco Inlet;
- Stabilization and/or elimination of farm ditches that drain into the Owasco Inlet from active agricultural lands;
- Creation of channel breaches/diversions that would re-establish regular flood events within the floodplain;
- Planting of riparian buffers along the banks of the Owasco Inlet;
- Establishment of agricultural grasslands;
- Access road location alternatives.

The applicant concluded that these alternatives were likely to: be less effective in improving water quality; be more costly; result in greater impacts and/or would require approval of multiple private landowners, some of which were unwilling to participate.

Design alternatives were made to reduce wetland impacts from basin construction as well as access roads.

PROPOSED MITIGATION: The applicant has not proposed additional mitigation as the restoration initiative is intended to enhance water quality within the watershed. Upon completion of the project, there would be a net increase of over 1.34 acres of waters within the project site.

Location and details of the above described work are shown on the attached maps and drawings.

Comments or questions pertaining to the work described in this notice should reference the Application Number and be directed to the attention of Margaret Crawford, who can be contacted at the above address, by calling (315) 255-8090 x3, or by e-mail at: margaret.a.crawford@usace.army.mil. A lack of response will be interpreted as meaning that there is no objection to the work as proposed.

The following authorization is required for this project:

Water Quality Certification (or waiver thereof) from the New York State Department of Environmental Conservation.

Section 106 NHPA: The project permit area is located within an archaeologically sensitive area as identified by the New York State Office of Parks, Recreation and Historic Preservation (NYSOPRHP). The applicant provided Cultural Resource Surveys to the NYSOPRHP, who concluded in a letter dated February 23, 2015, that the project will have No Impact on cultural resources listed in, or eligible for listing in the National Register of Historic Places. This is consistent with the USACE determination. This notice constitutes the USACE initiation of consultation with the NYSOPRHP per Section 106 of the National Historic Preservation Act and the Corps hereby requests the NYSOPRHP to concur with this determination. All currently available historic resource information pertaining to this proposed project if any has been

provided to the NYSOPRHP. Additional information concerning historic properties should be submitted to the Corps before the end of the comment period of this notice. The Corps will forward that information to the NYSOPRHP for their review.

Section 7 ESA: Pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the Corps of Engineers is consulting, under separate cover, with the USFWS to evaluate any potential impacts to: the Indiana and Northern long-eared bats, and to ensure that the proposed activity is not likely to jeopardize their continued existence or result in the destruction or adverse modification of critical habitat.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. All written comments will be made a part of the administrative record which is available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof, may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any individual may request a public hearing by submitting their written request, stating the specific reasons for holding a hearing, in the same manner and time period as other comments.

Public hearings for the purposes of the Corps permit program will be held when the District Commander determines he can obtain additional information, not available in written comments, that will aid him in the decision making process for this application. A Corps hearing is not a source of information for the general public, nor a forum for the resolution of issues or conflicting points of view (witnesses are not sworn and cross examination is prohibited). Hearings will not be held to obtain information on issues unrelated to the work requiring a permit, such as property ownership, neighbor disputes, or the behavior or actions of the public or applicant on upland property not regulated by the Department of the Army. Information obtained from a public hearing is given no greater weight than that obtained from written comments. Therefore, you should not fail to make timely written comments because a hearing might be held.

The decision to approve or deny this permit request will be based on an evaluation of the probable impact, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among these are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people.

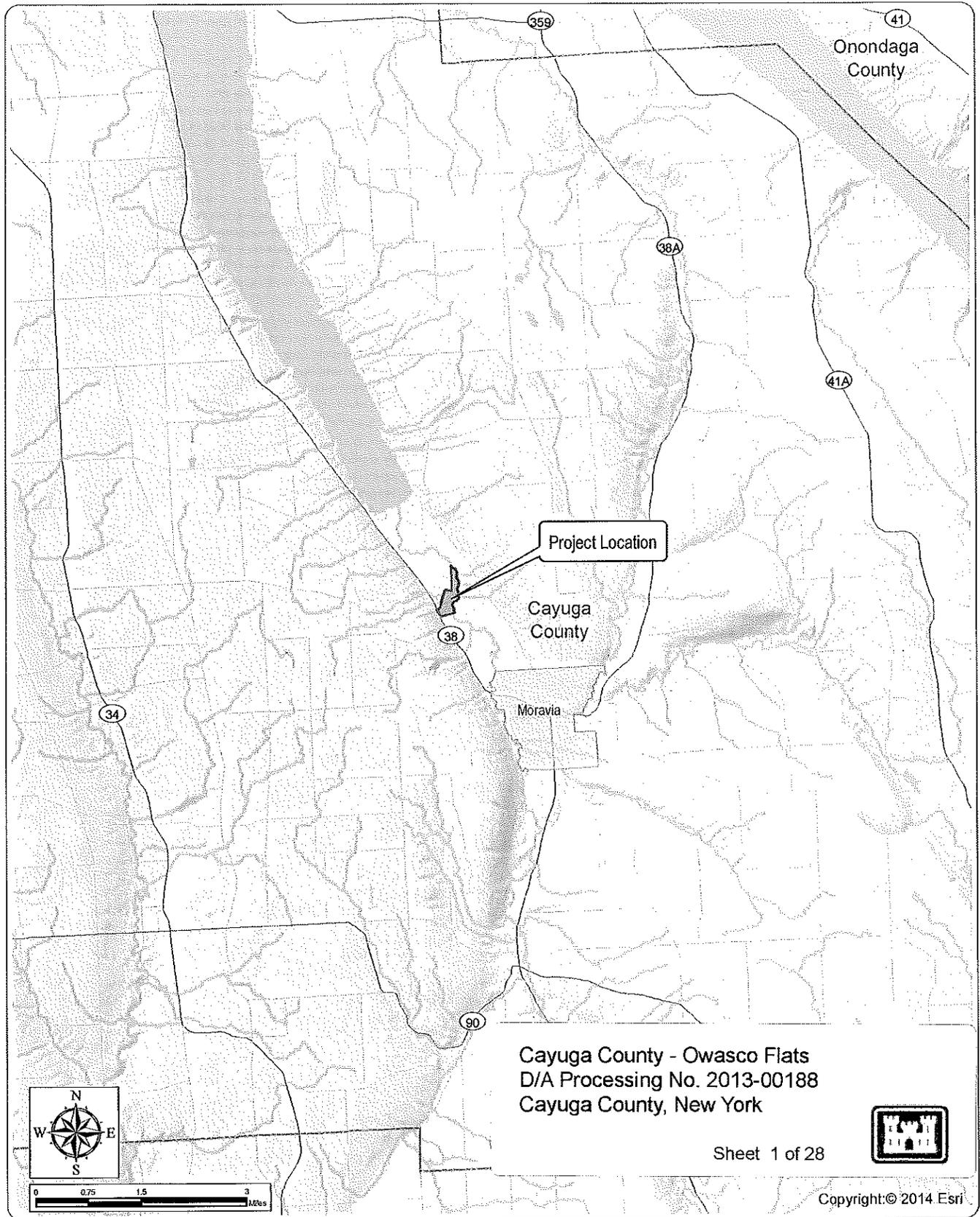
The Corps of Engineers is soliciting comments from the public; Federal, state and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the

impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

SIGNED

Diane C. Kozlowski
Chief, Regulatory Branch

NOTICE TO POSTMASTER: It is requested that this notice be posted continuously and conspicuously for 30 days from the date of issuance.



Owasco Flats Wetland Restoration Project

Town of Moravia - Cayuga County, New York

Figure 1 - Project Location

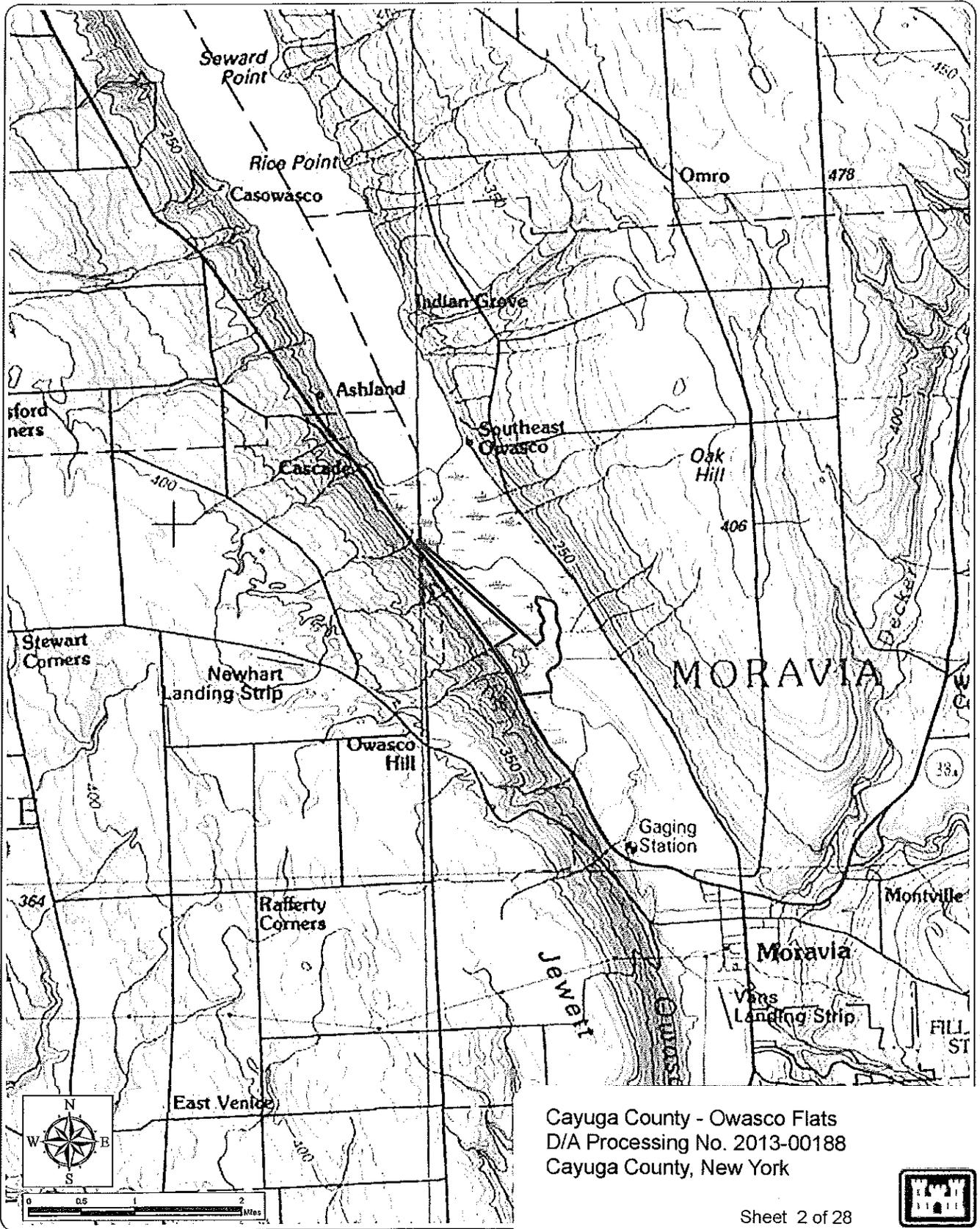
April 2016

 Project Site

- Notes: 1. Basemap: ESRI ArcGIS Online "Street Map North America" and "World Shaded Relief" Map Service
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.



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Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project

Town of Moravia, Cayuga County, New York

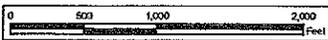
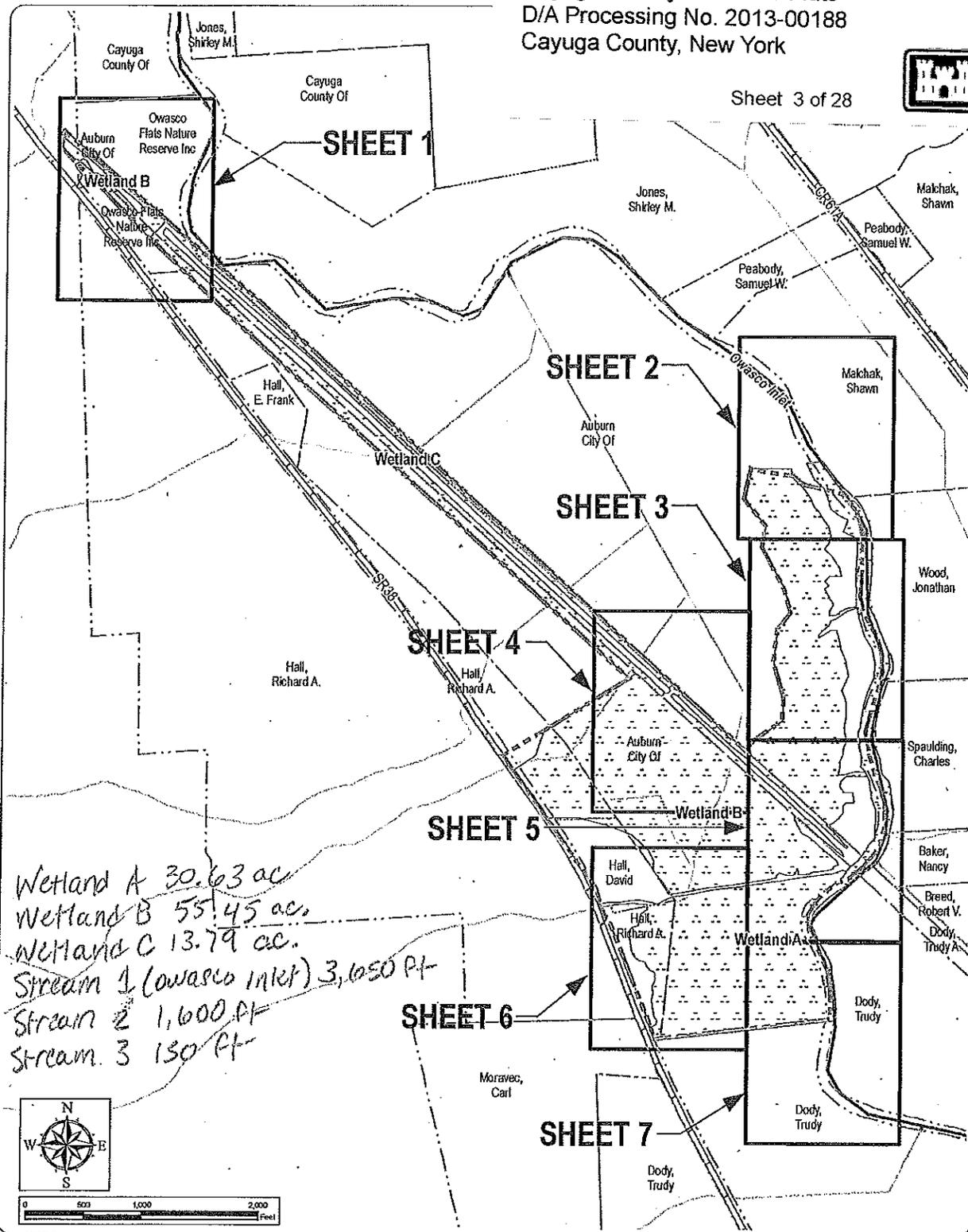
Figure 2: Topography

June 2013

Notes: Basemap: ESRI USA Topo Maps online mapping.

 Study Area





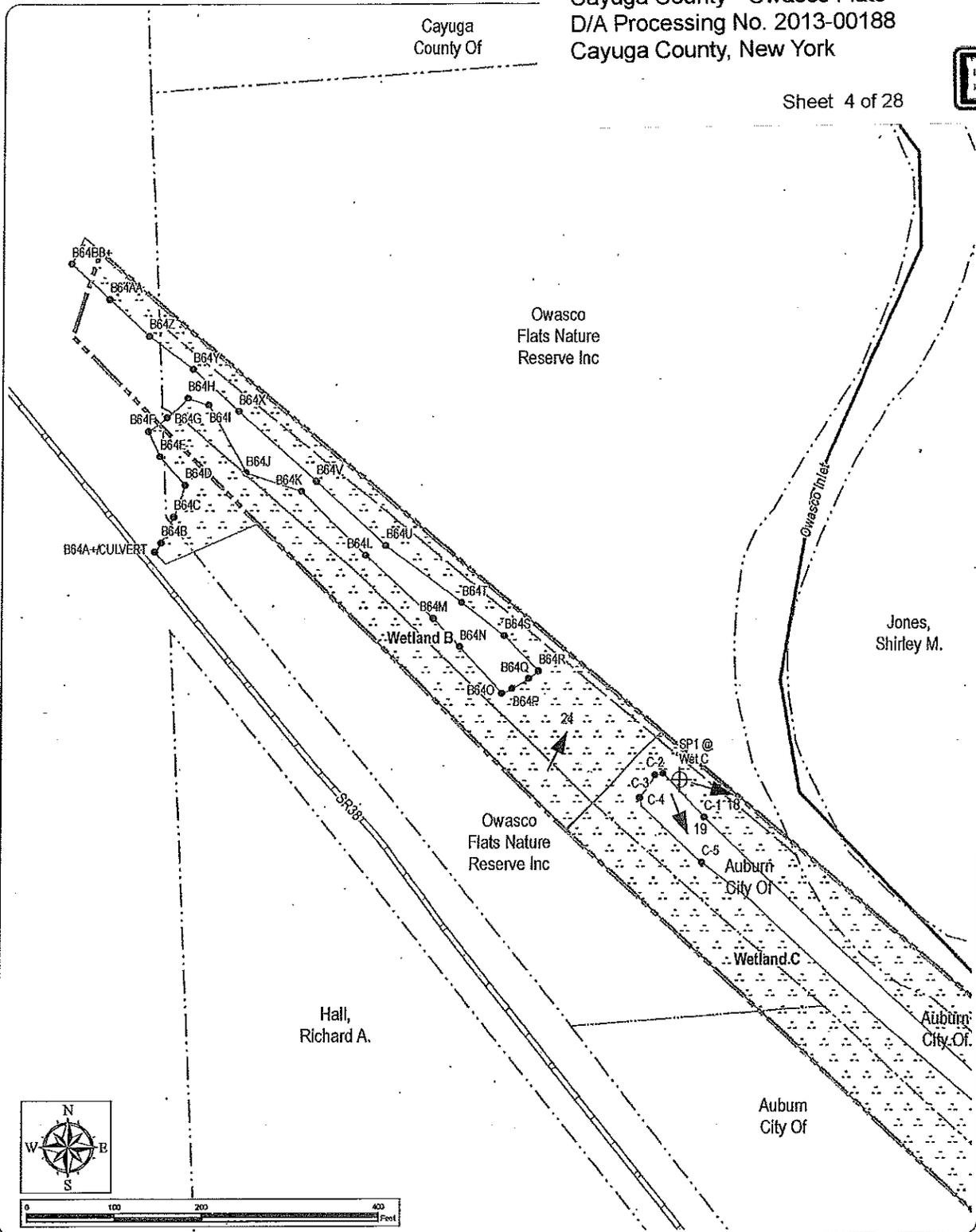
**Owasco Flats Wetland Restoration and
 Riparian Buffers Initiative Project**

Town of Moravia, Cayuga County, New York
 Figure 5: Delineated Wetlands Sheet Index
 June 2013

Notes: Basemap: ESRI StreetMap North America, 2008.

- Unprotected Stream
- Protected Stream
- Road
- Parcel
- Delineated Wetland
- Study Area
- Wetland Delineation Index





Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project

Town of Moravia, Cayuga County, New York

Figure 5: Delineated Wetlands

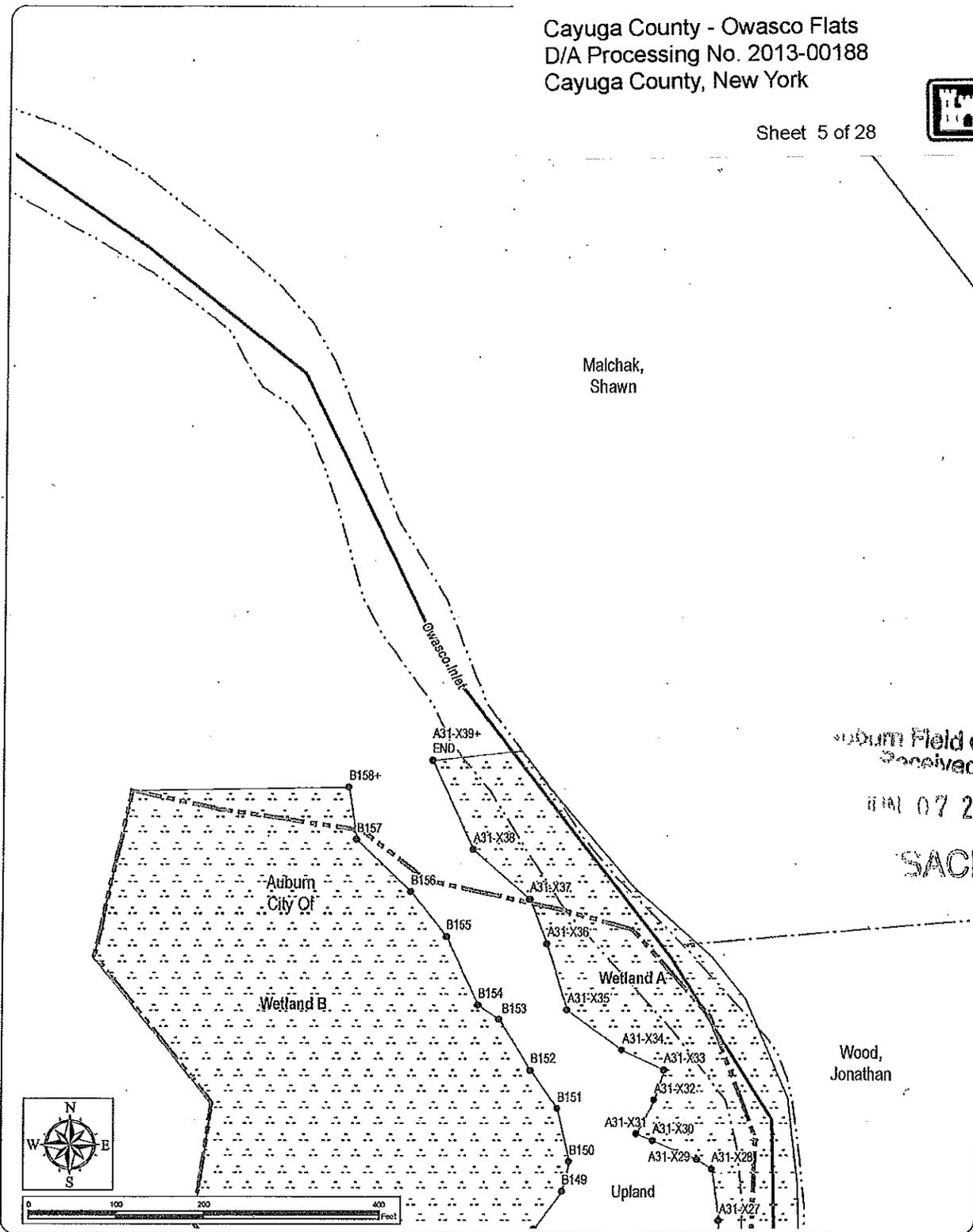
Sheet 1 of 7

June 2013

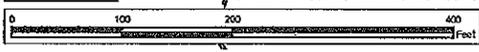
Notes: 1) Basemap: ESRI StreetMap North America, 2008. 2) Stream locations are approximate. Source - NYSDEC Water Quality Classifications shapefile.

- Wetland Flag
- ⊕ Wetland Data Point
- Unprotected Stream
- Protected Stream
- Photo Location
- Road
- ▭ Delineated Wetland
- ▭ Parcel
- ▭ Study Area





Auburn Field Office
 Received
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**Owasco Flats Wetland Restoration and
 Riparian Buffers Initiative Project**

Town of Moravia, Cayuga County, New York

Figure 5: Delineated Wetlands

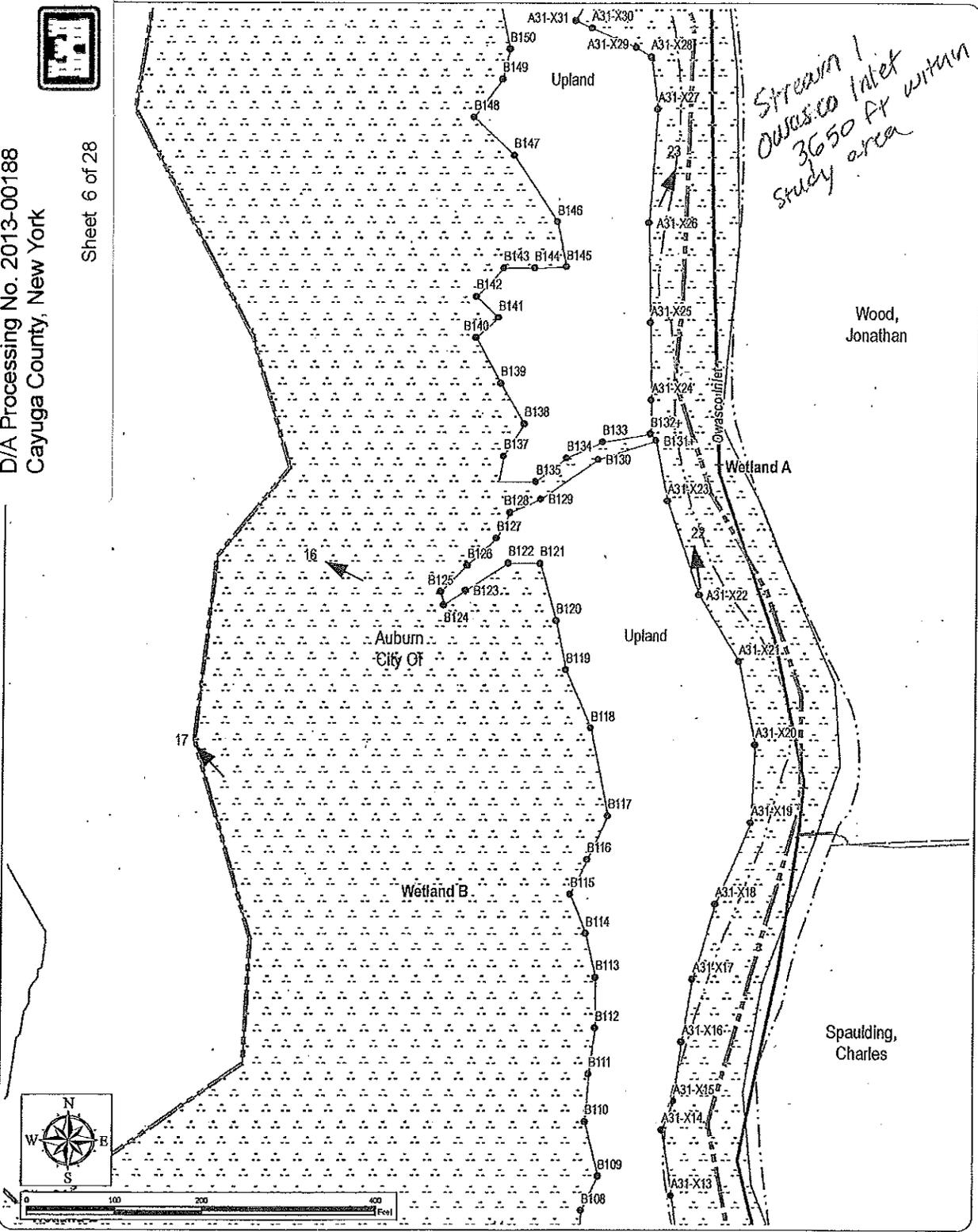
Sheet 2 of 7

June 2013

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- Wetland Flag
- ⊕ Wetland Data Point
- Unprotected Stream
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- ▶ Photo Location
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- ▭ Study Area





Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project

Town of Moravia, Cayuga County, New York

Figure 5: Delineated Wetlands

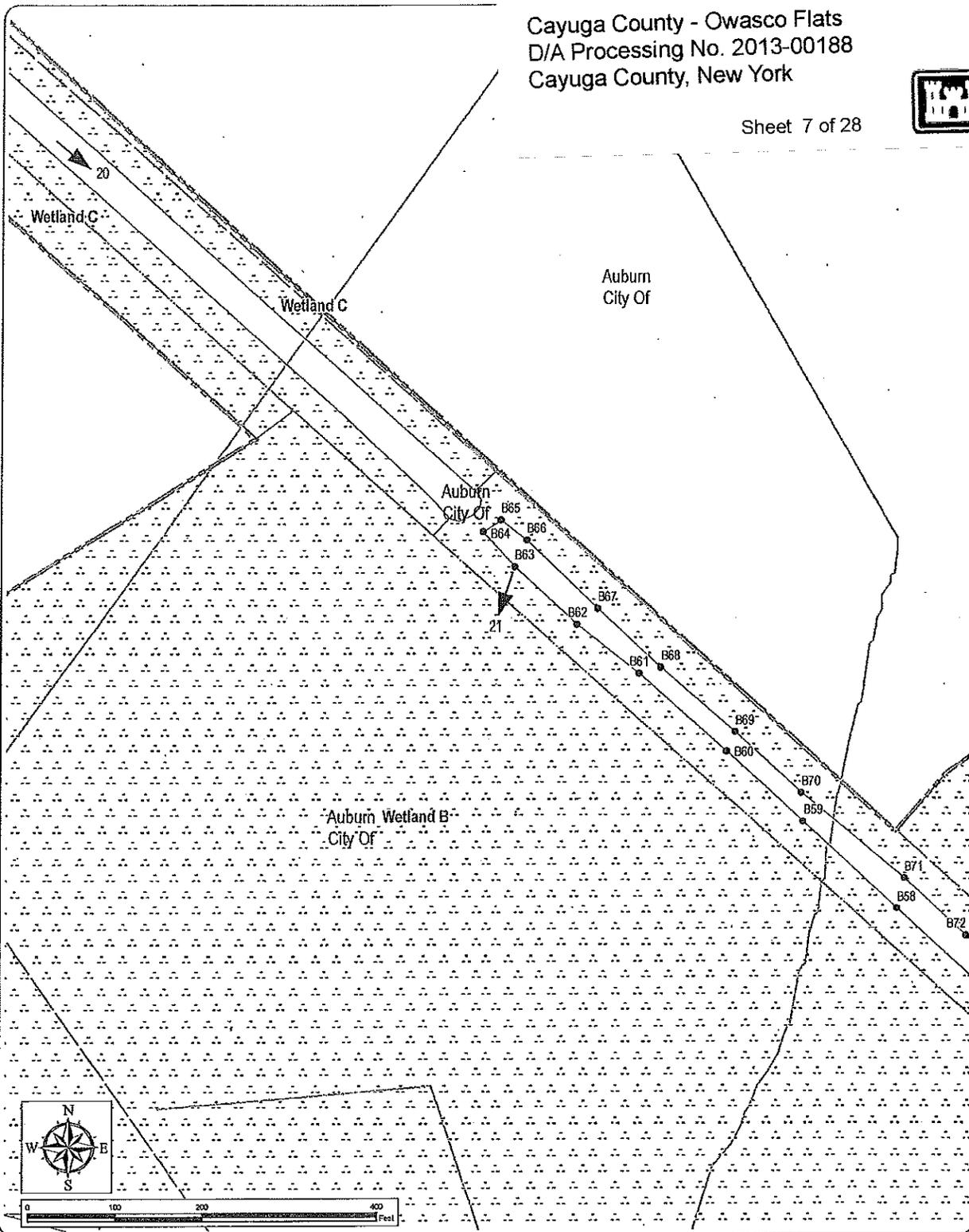
Sheet 3 of 7

June 2013

Notes: 1) Basemap: ESRI StreetMap North America, 2008. 2) Stream locations are approximate. Source - NYSDEC Water Quality Classifications shapefile.

- Wetland Flag
- ⊕ Wetland Data Point
- Unprotected Stream
- Protected Stream
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- ▭ Parcel
- ▭ Study Area





**Owasco Flats Wetland Restoration and
 Riparian Buffers Initiative Project**

Town of Moravia, Cayuga County, New York

Figure 5: Delineated Wetlands

Sheet 4 of 7

June 2013

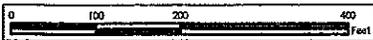
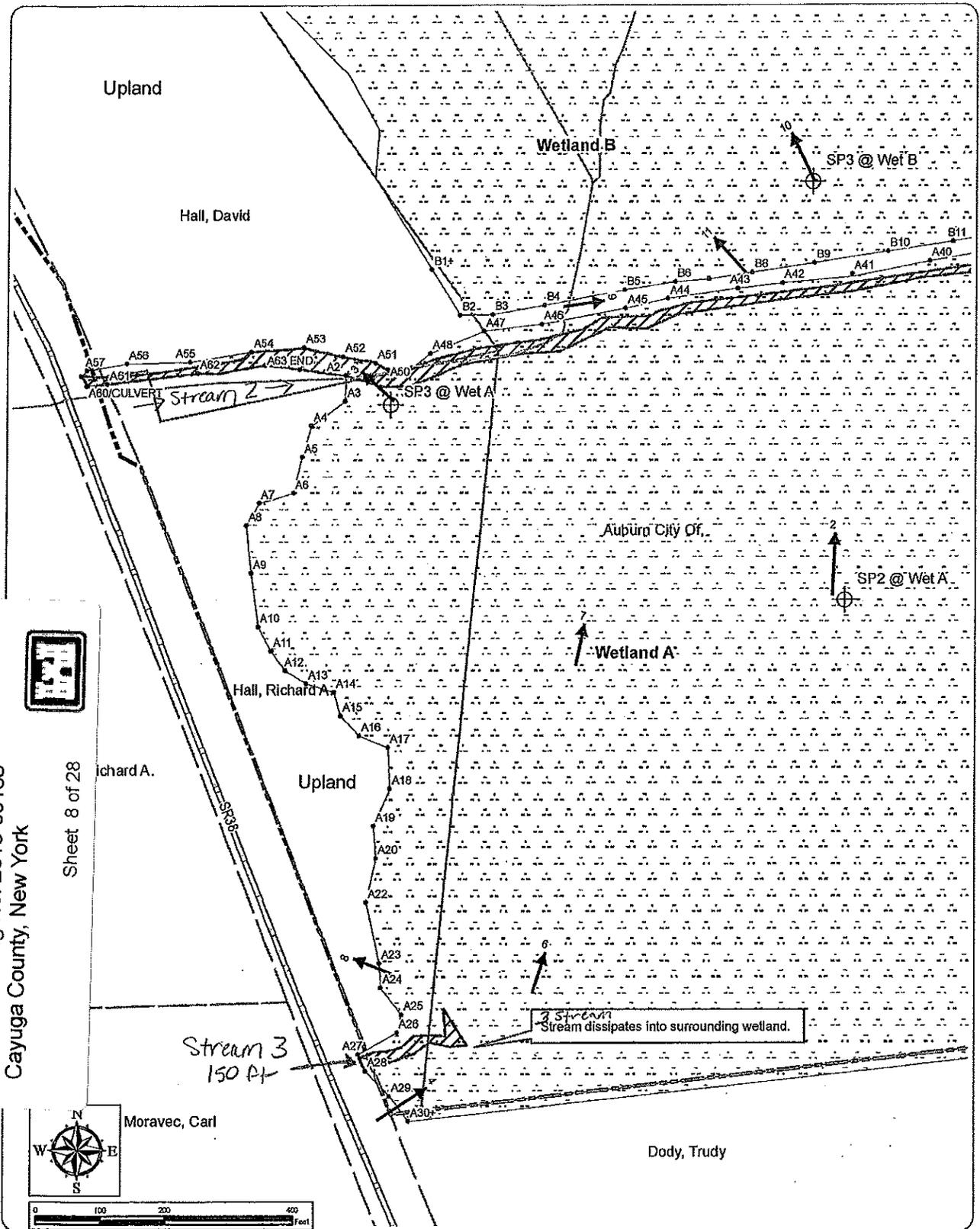
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- Wetland Flag
- ⊕ Wetland Data Point
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- Protected Stream
- Photo Location
- Road
- ▭ Delineated Wetland
- ▭ Parcel
- ▭ Study Area



Cayuga County - Owasco Flats
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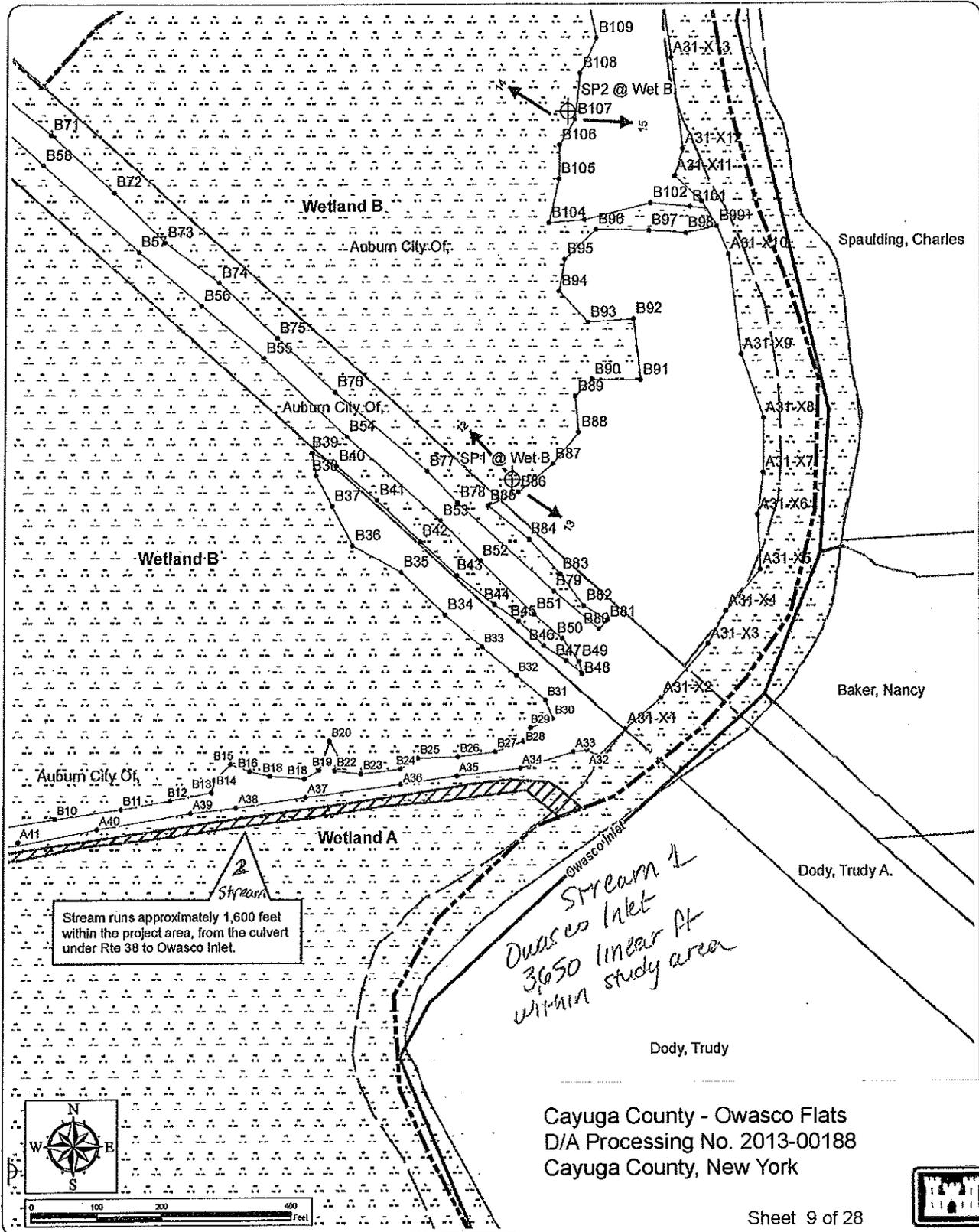
Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project

Town of Moravia, Cayuga County, New York
Figure 5: Delineated Wetlands June 2013
 Sheet 6 of 7

Notes: 1) Basemap: ESRI StreetMap North America, 2008. 2) Stream locations are approximate. Source - NYSDEC Water Quality Classifications shapefile. 3) Map updated on 1/15/2014 to include identified streams per request by USACE

- Wetland Flag
- ⊕ Wetland Data Point
- Unprotected Stream
- Protected Stream
- ▨ Identified Streams
- ➔ Photo Location
- ▭ Road
- ▨ Delineated Wetland
- ▭ Project Area
- ▭ Parcels





Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project
Town of Moravia, Cayuga County, New York

Figure 5: Delineated Wetlands

Sheet 5 of 7

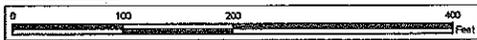
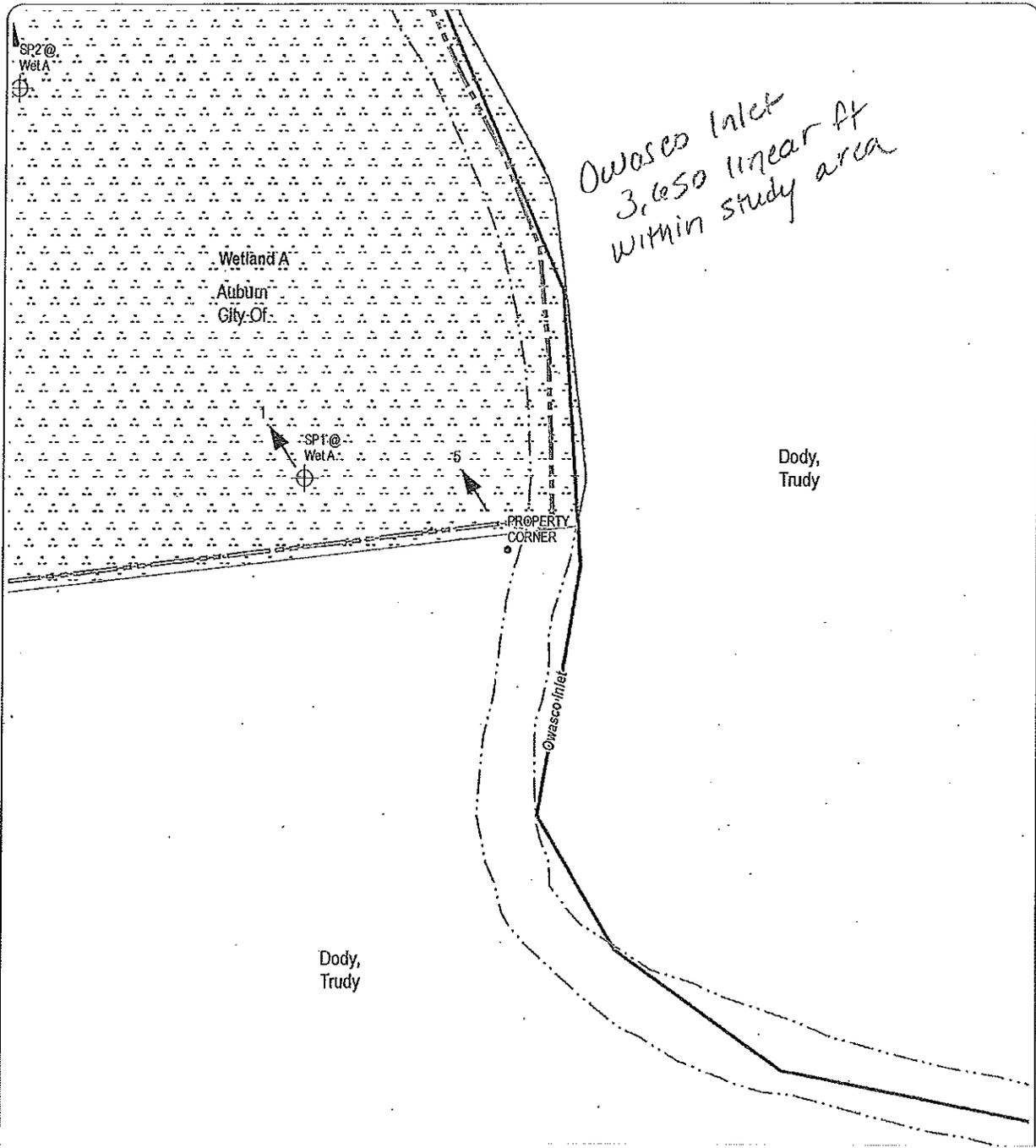
June 2013

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- Photo Location
- Road
- ▤ Delineated Wetland
- ▨ Project Area
- Parcels



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 D/A Processing No. 2013-00188
 Cayuga County, New York

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**Owasco Flats Wetland Restoration and
 Riparian Buffers Initiative Project**
 Town of Moravia, Cayuga County, New York

Figure 5: Delineated Wetlands

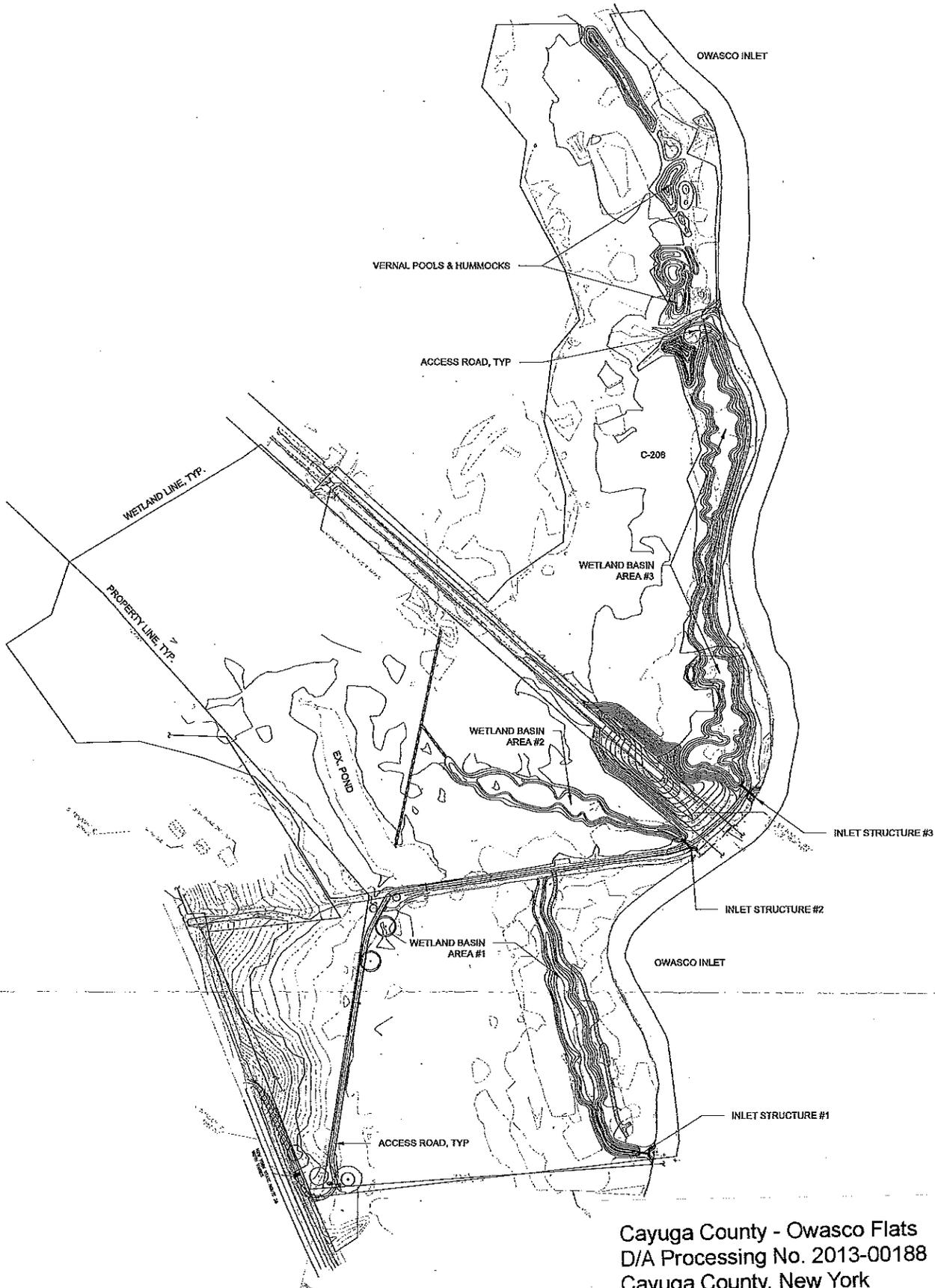
Sheet 7 of 7

June 2013

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- Wetland Flag
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Cayuga County - Owasco Flats
 D/A Processing No. 2013-00188
 Cayuga County, New York

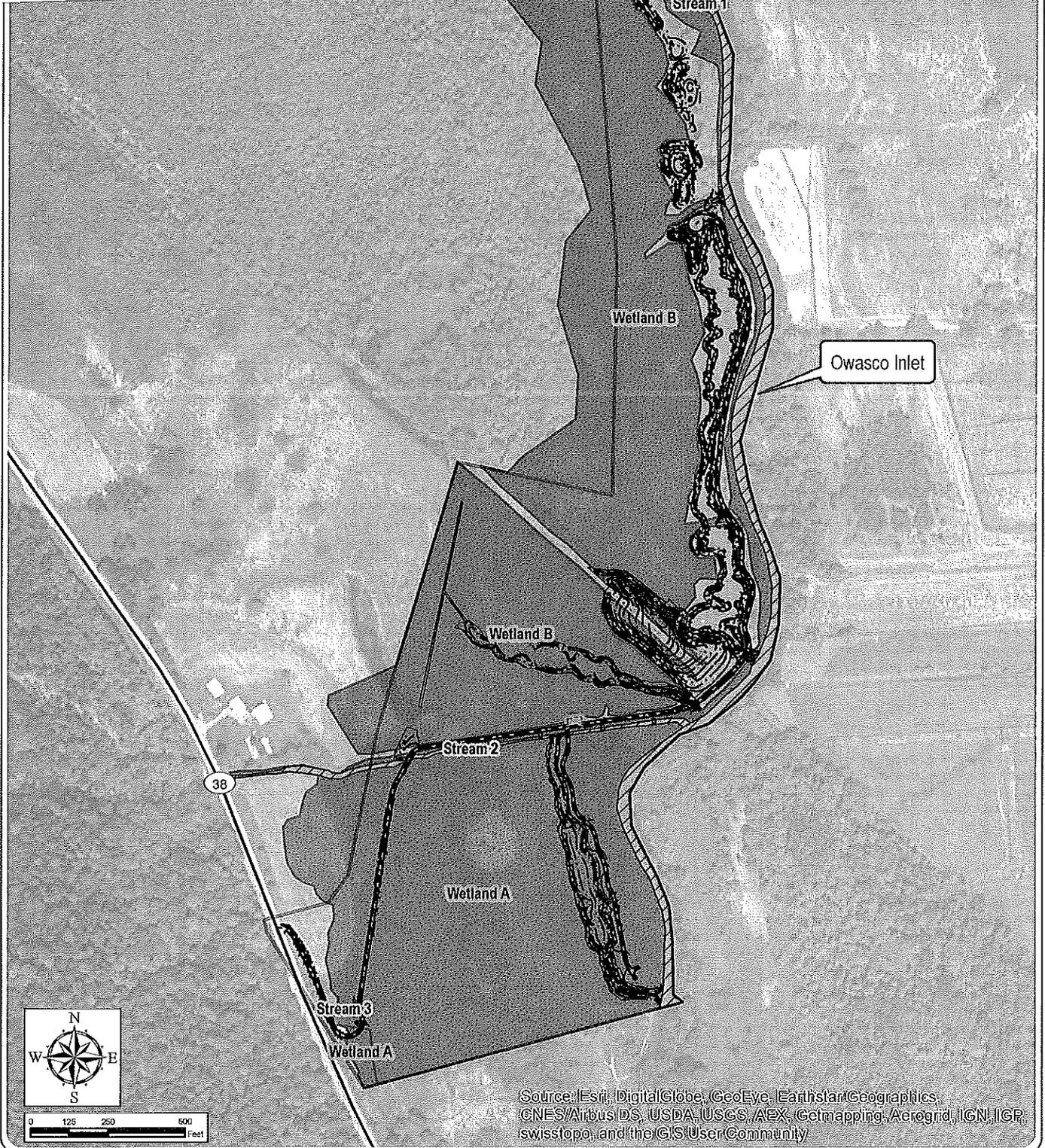


Owasco Flats Impact Summary

Action	Wetland Impacts		Stream Impacts	
	Temporary	Permanent	Temporary	Permanent
Access Roads/Parking Area (Parking is located in an upland area)	None	<ul style="list-style-type: none"> • 26,871 ft² (Main Road, Wetland A) • 9,005 ft² (Basin 1, Wetland A) • 412 ft² (Basin 3, Wetland B) 	None	<ul style="list-style-type: none"> • 120 ft² (Stream 3 crossing) • 300 ft² (Stream 2 fill)
Ditch/Stream Alterations	<ul style="list-style-type: none"> • 4,803 sf (Ditch, Wetland B) • 1,520 sf (Outlet Swale, Wetland B) 	<ul style="list-style-type: none"> • 3,659 ft² conversion (Pond Inlet, Wetland B) 	None	<ul style="list-style-type: none"> • 716 ft² conversion (Plugs, Stream 2)
Water Control Structures	None	<ul style="list-style-type: none"> • 2,268 ft² (Basin 1, Wetland A) • 303 ft² (Basin 2, Wetland B) • 432 ft² (Basin 3, Wetland A) 	None	None
Basins (Conversion)	None	<ul style="list-style-type: none"> • 87,115 ft² (Basin 1, Wetland A) • 61,763 ft² (Basin 2, Wetland A) • 2,603 ft² (Basin 3, Wetland B) 	None	None
Fill/Spoil Area	None	<ul style="list-style-type: none"> • 34,841 ft² (Wetland B) 	None	None
Hummocks and Vernal Pools	None	None	None	None

Cayuga County - Owasco Flats
D/A Processing No. 2013-00188
Cayuga County, New York





Source: Esri, DigitalGlobe, GeoEye, Earthstar/Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Owasco Flats Wetland Restoration Project

Town of Moravia - Cayuga County, New York

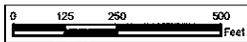
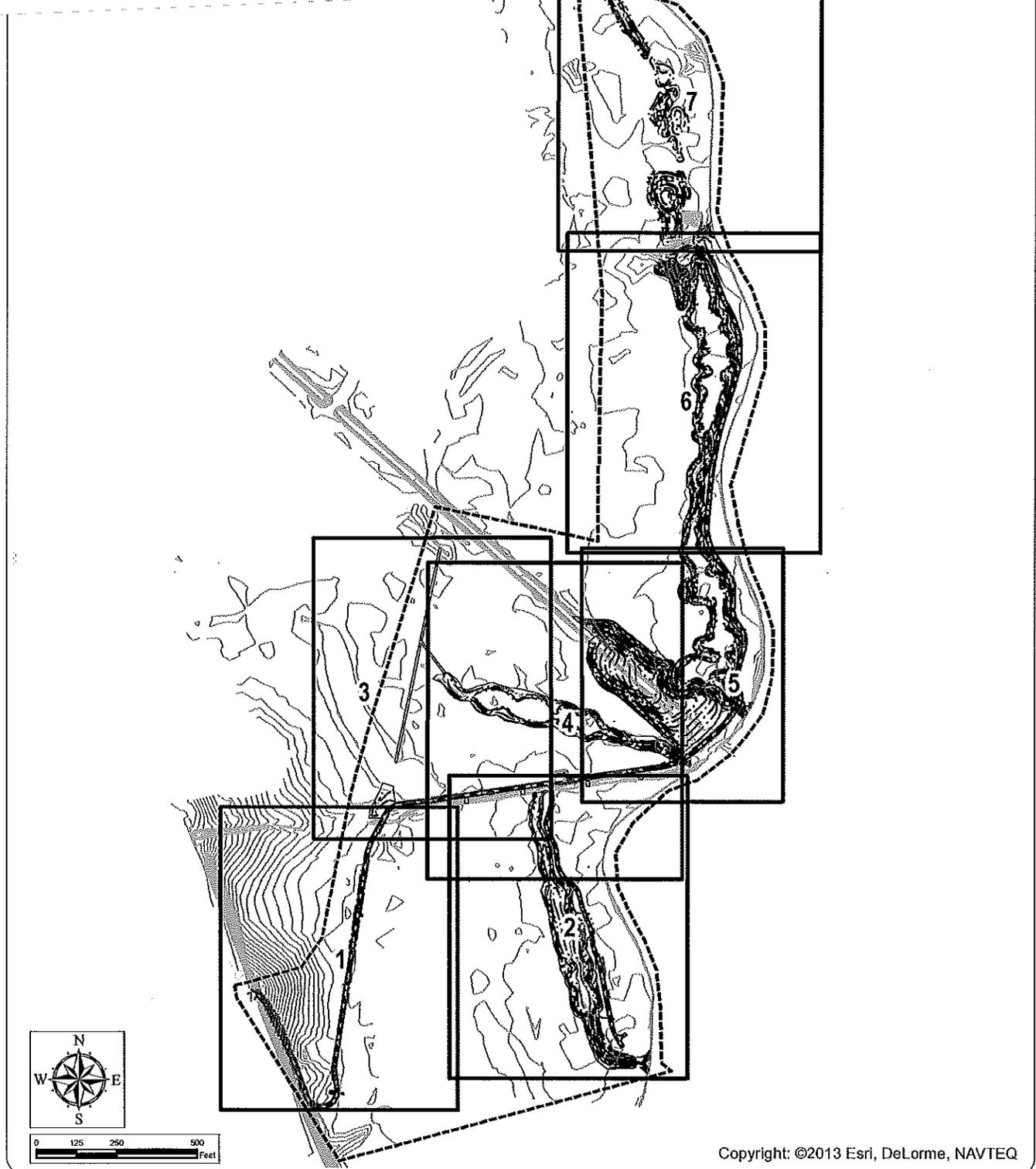
Figure 3 - Delineated Wetlands and Streams

July 2016

- Notes: 1. Basemap: ESRI ArcGIS Online "World Imagery" Map Service
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

-  Project Site
-  Delineated Wetland
-  Identified Streams





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Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project
Town of Moravia - Cayuga County, New York

Figure 5 - Wetland Impact Assessment Drawings Index Sheet

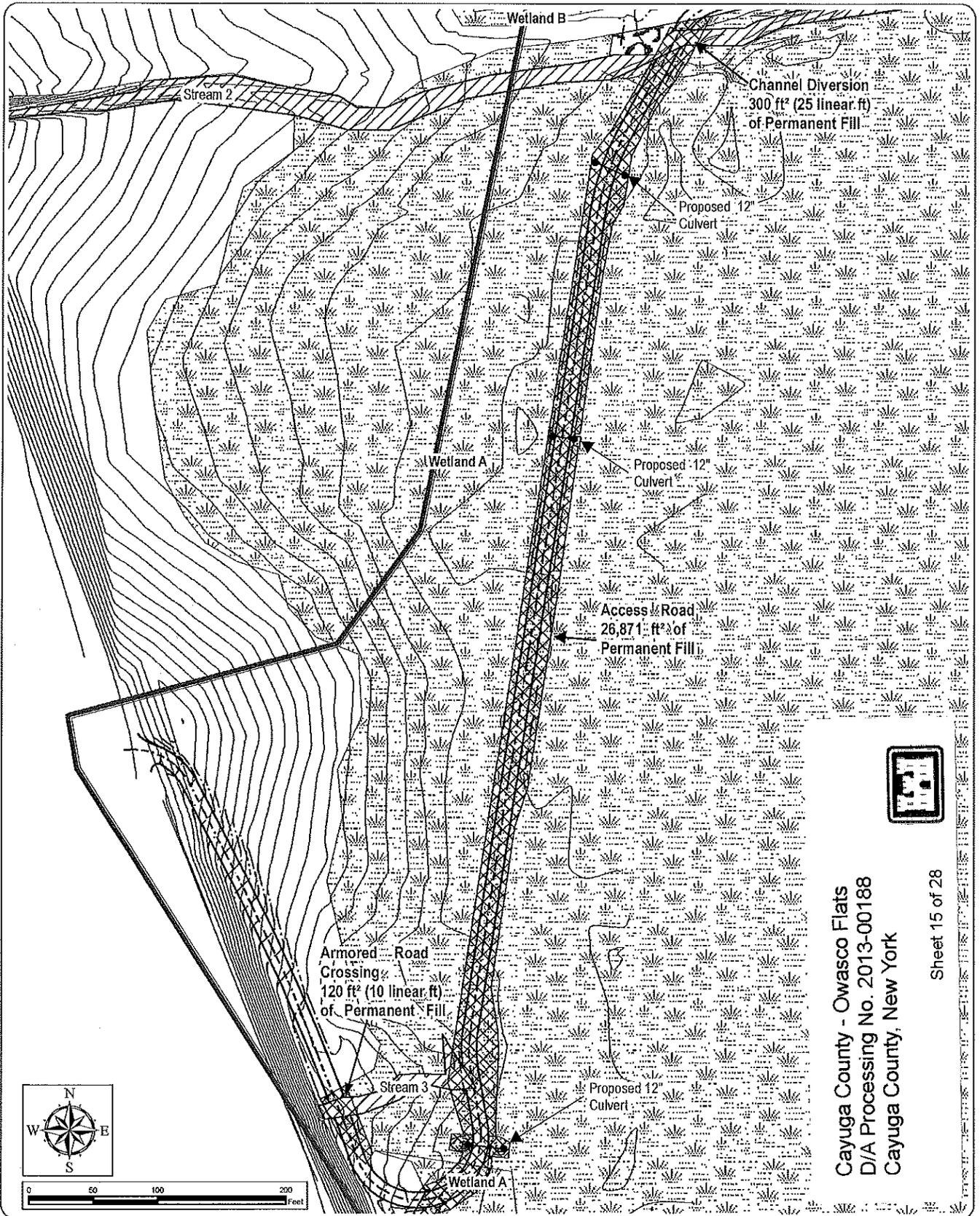
April 2016

Notes: 1. Basemap: ESRI ArcGIS Online "Canvas/World Light Gray Base" Map Service

-  Index Sheets
-  Project Site



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Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project

Town of Moravia - Cayuga County, New York

Figure 5 - Wetland Impact Assessment Drawings

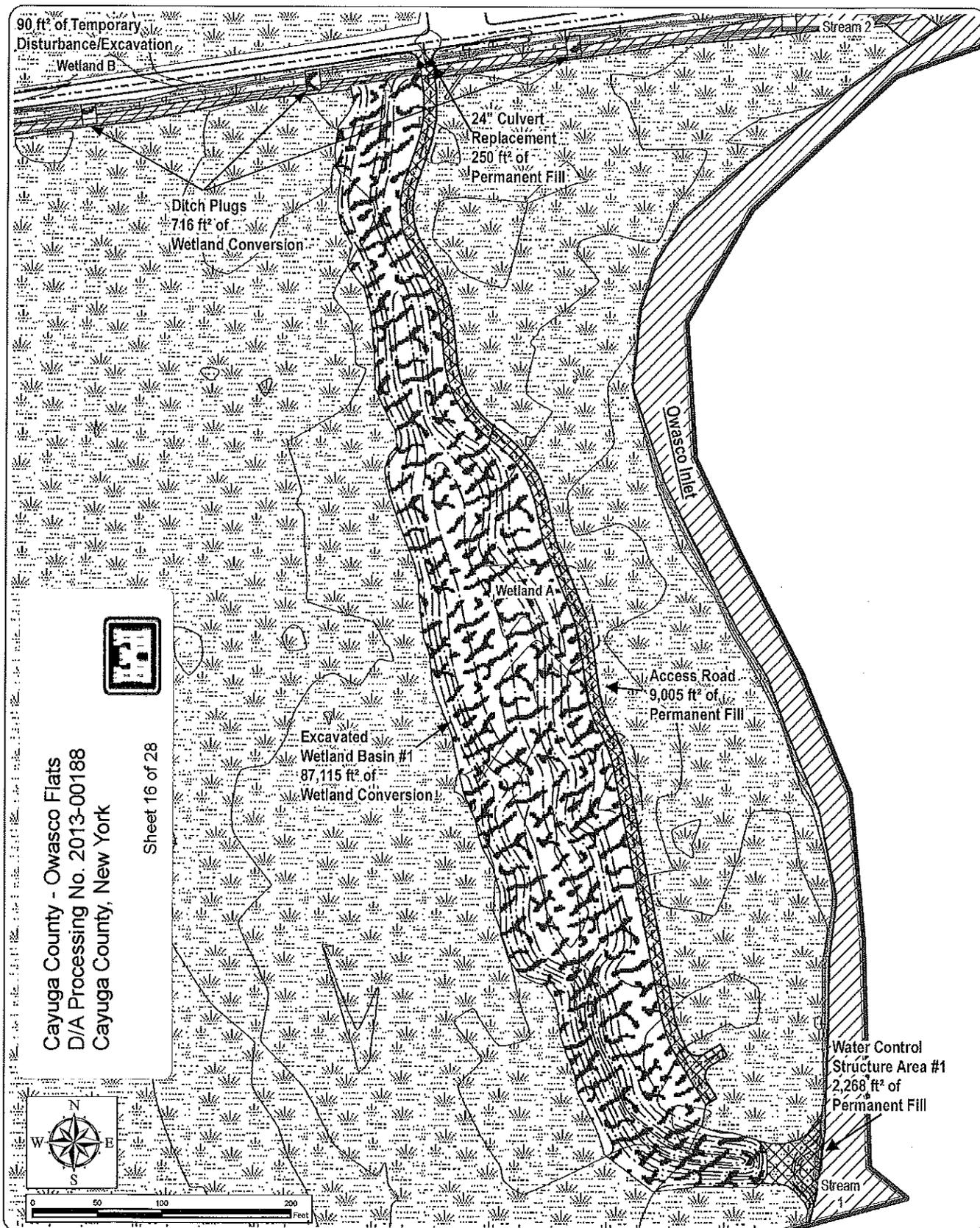
Sheet 1 of 7
 July 2016

Notes: 1. Basemap: ESRI ArcGIS Online "Canvas/World Light Gray Base" Map Service

Project Site	Grading Contour	Impact Type
Identified Stream	Culvert	Conversion
Delineated Wetland	Access Road - Centerline	Permanent
1' Contour	Access Road - Width	Temporary



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Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project

Town of Moravia - Cayuga County, New York

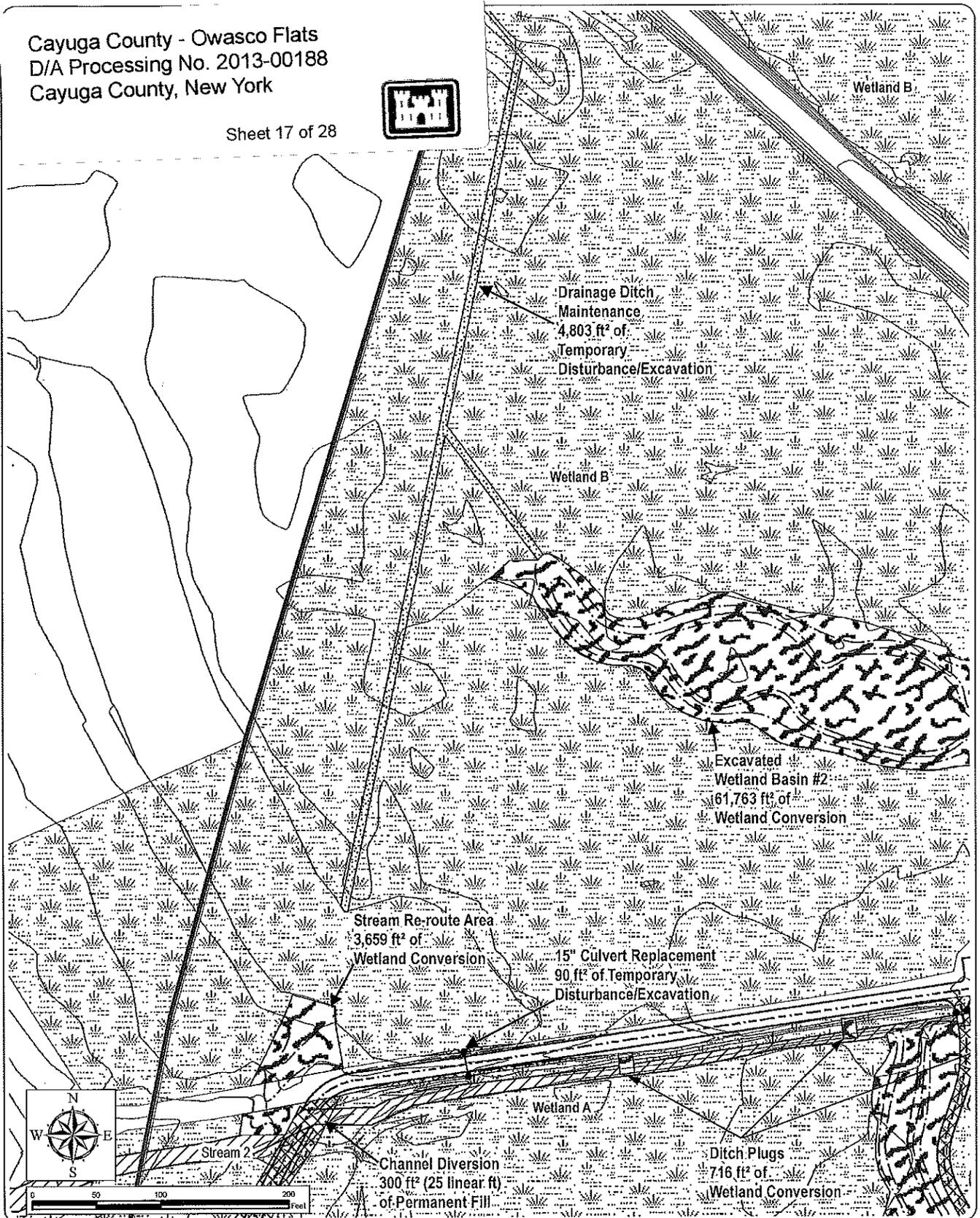
Figure 5 - Wetland Impact Assessment Drawings

Sheet 2 of 7
July 2016

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Project Site	Grading Contour	Impact Type
Identified Stream	Culvert	Conversion
Delineated Wetland	Access Road - Centerline	Permanent
1' Contour	Access Road - Width	Temporary





Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project

Town of Moravia - Cayuga County, New York

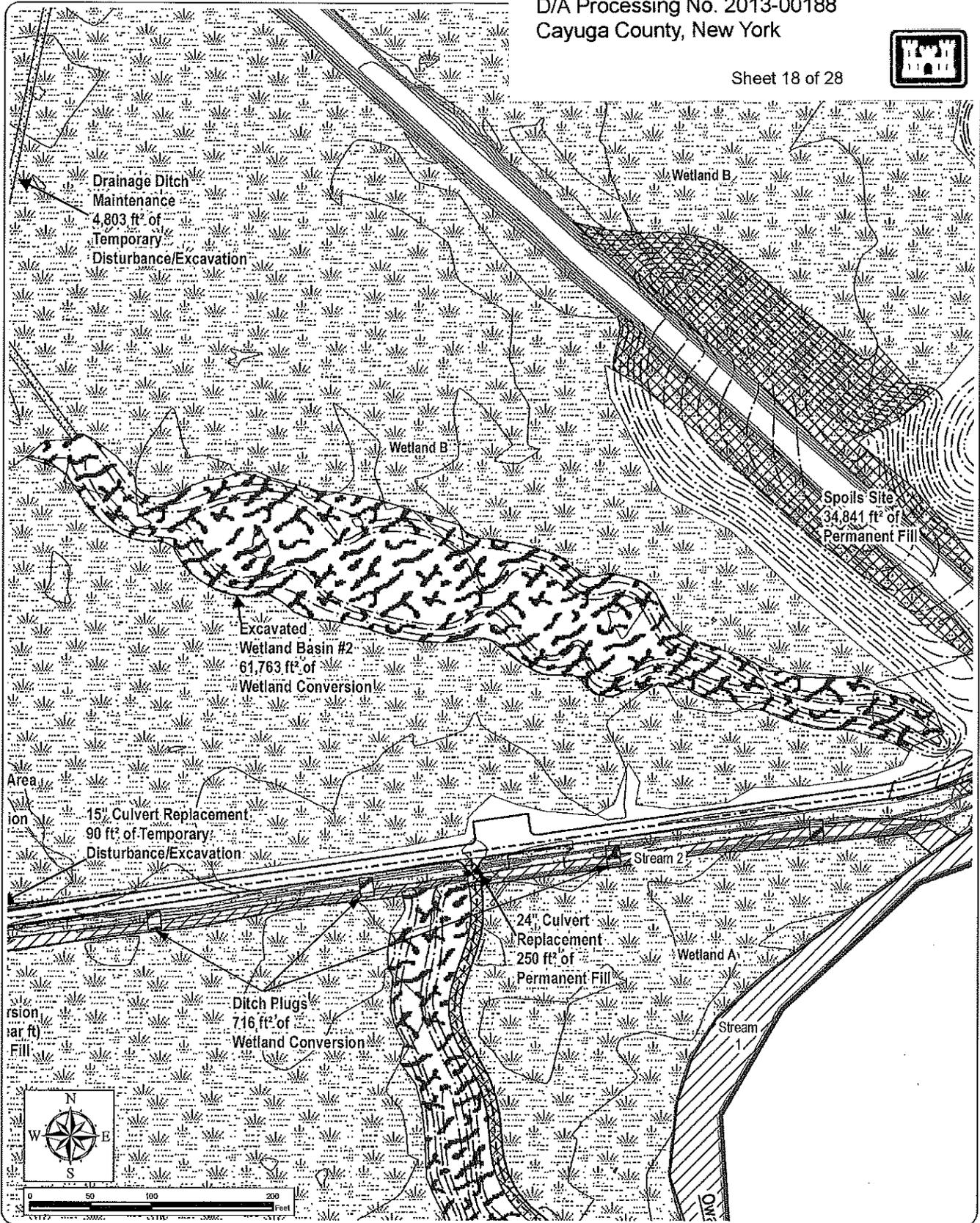
Figure 5 - Wetland Impact Assessment Drawings

Sheet 3 of 7
 July 2016

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Identified Stream	Culvert	Conversion
Delineated Wetland	Access Road - Centerline	Permanent
1' Contour	Access Road - Width	Temporary





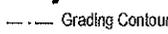
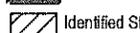
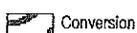
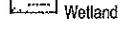
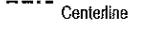
Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project

Town of Moravia - Cayuga County, New York

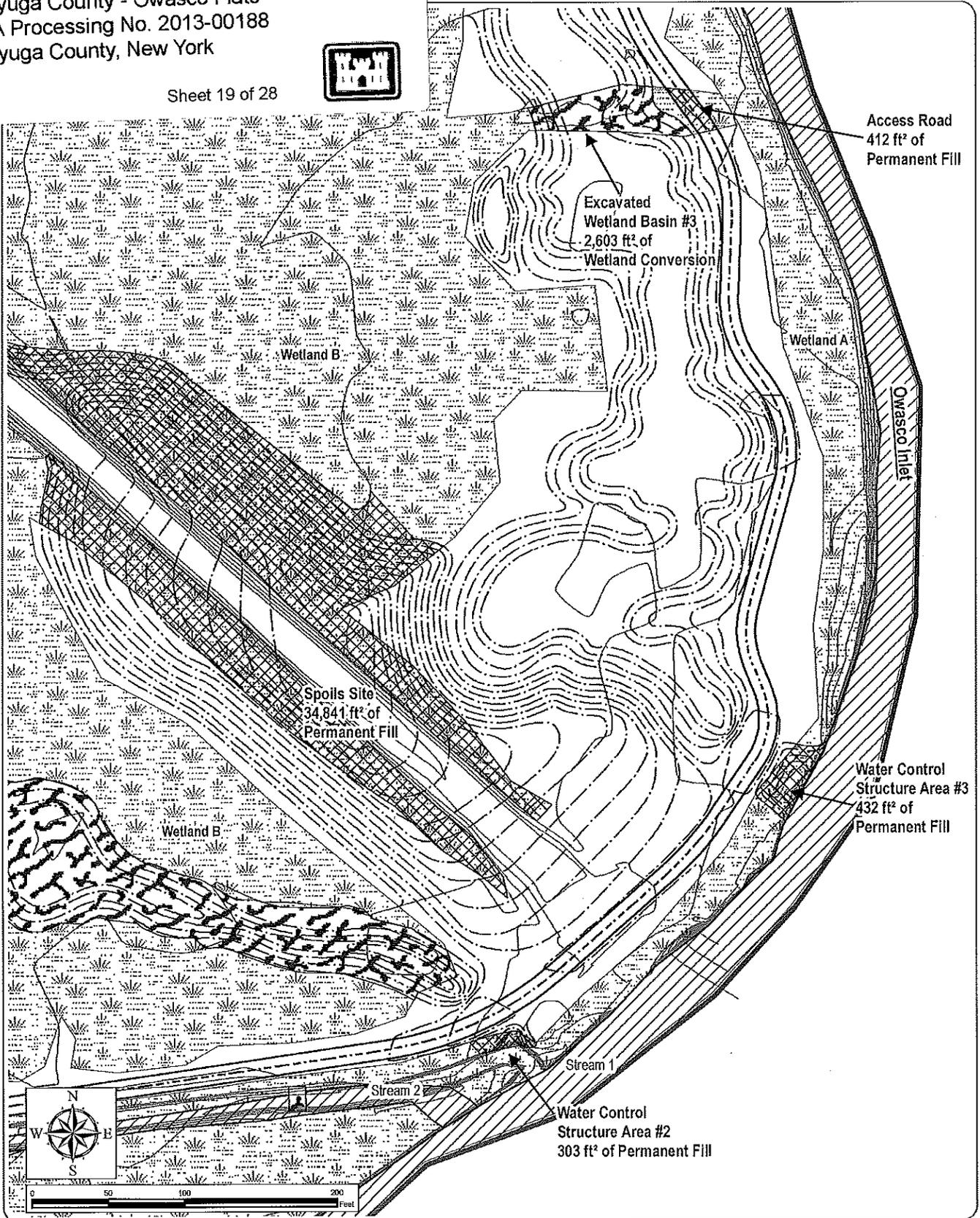
Figure 5 - Wetland Impact Assessment Drawings

Sheet 4 of 7
 July 2016

Notes: 1. Basemap: ESRI ArcGIS Online "Canvas/World Light Gray Base" Map Service

	Project Site		Grading Contour	Impact Type	
	Identified Stream		Culvert		Conversion
	Delineated Wetland		Access Road - Centerline		Permanent
	1' Contour		Access Road - Width		Temporary





Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project

Town of Moravia - Cayuga County, New York

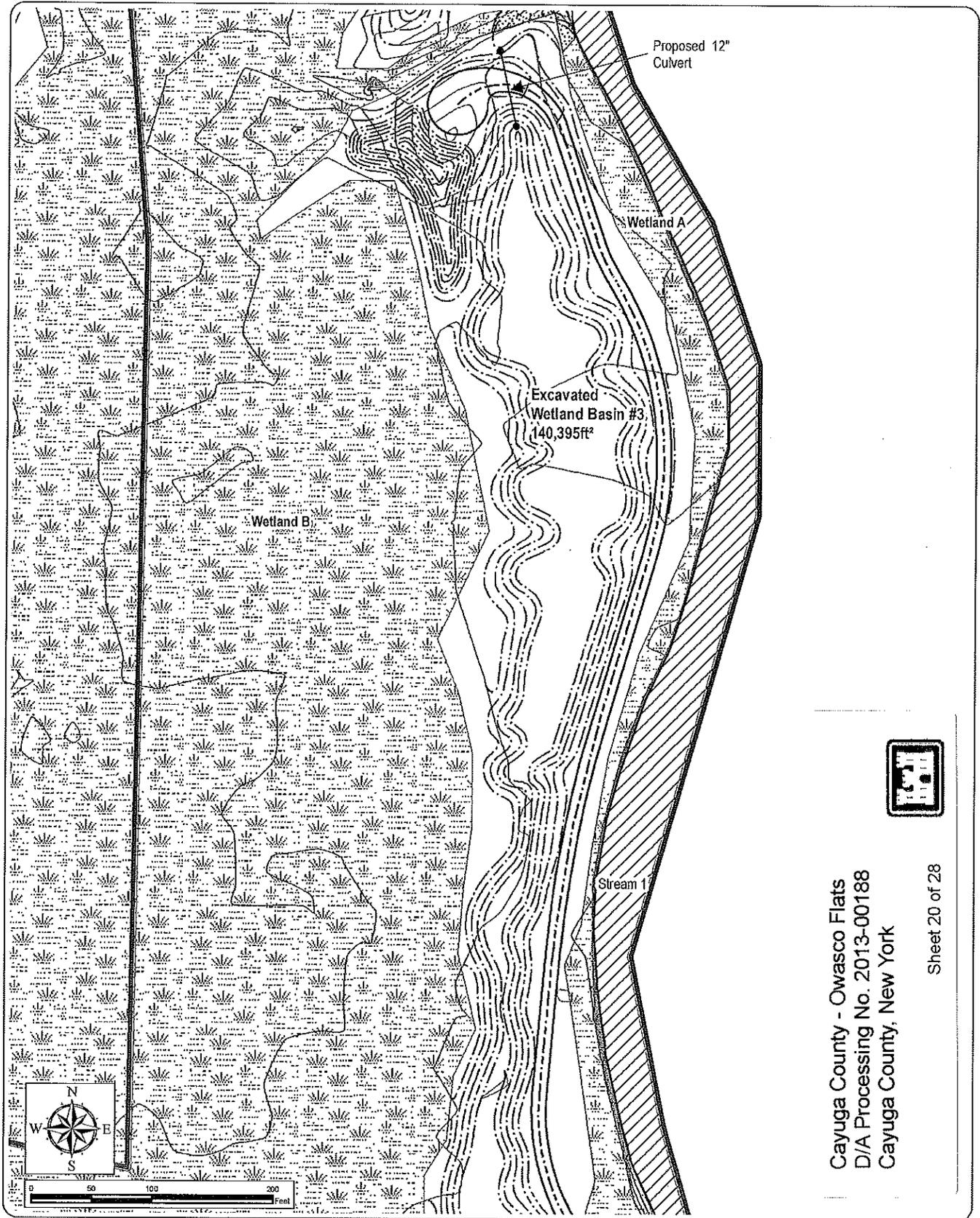
Figure 5 - Wetland Impact Assessment Drawings

Sheet 5 of 7
 July 2016

Notes: 1. Basemap: ESRI ArcGIS Online "Canvas/World Light Gray Base" Map Service

Project Site	Grading Contour	Conversion
Identified Stream	Culvert	Permanent
Delineated Wetland	Access Road - Centerline	Temporary
1' Contour	Access Road - Width	





Cayuga County - Owasco Flats
 D/A Processing No. 2013-00188
 Cayuga County, New York



Sheet 20 of 28

Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project

Town of Moravia - Cayuga County, New York

Figure 5 - Wetland Impact Assessment Drawings

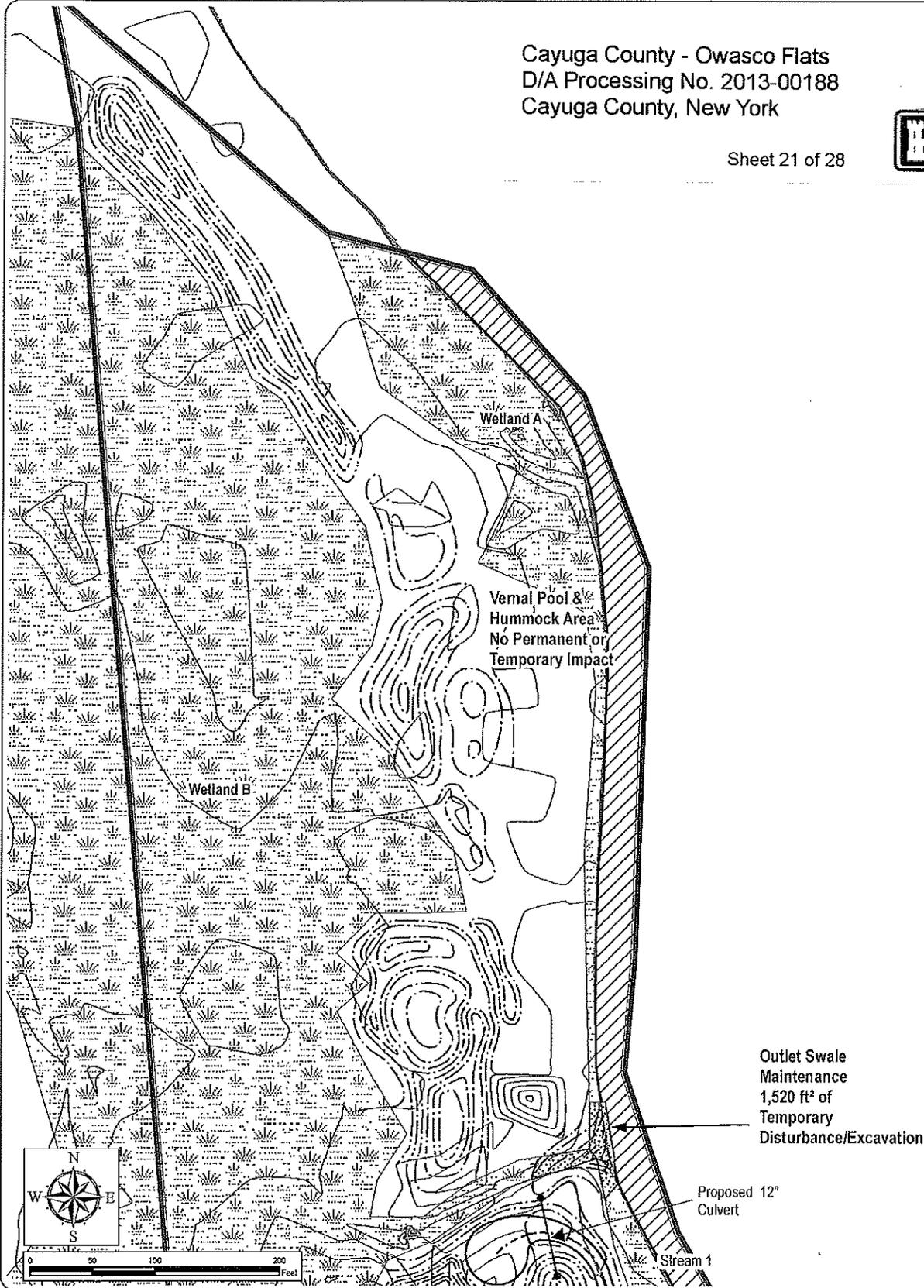
Sheet 6 of 7
 July 2016

Notes: 1. Basemap: ESRI ArcGIS Online "Canvas/World Light Gray Base" Map Service

- | | | |
|--------------------|--------------------------|--------------------|
| Project Site | Grading Contour | Impact Type |
| Identified Stream | Culvert | Conversion |
| Delineated Wetland | Access Road - Centerline | Permanent |
| 1' Contour | Access Road - Width | Temporary |



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Town of Moravia - Cayuga County, New York

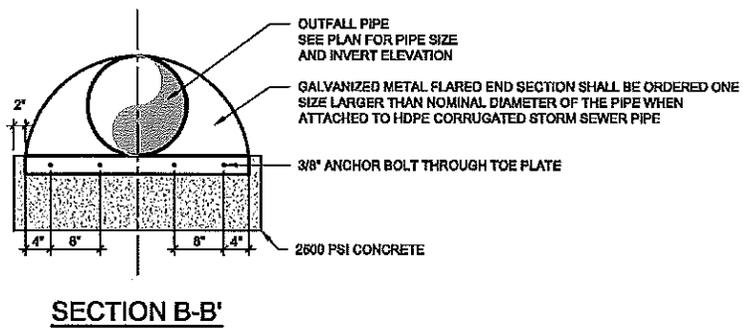
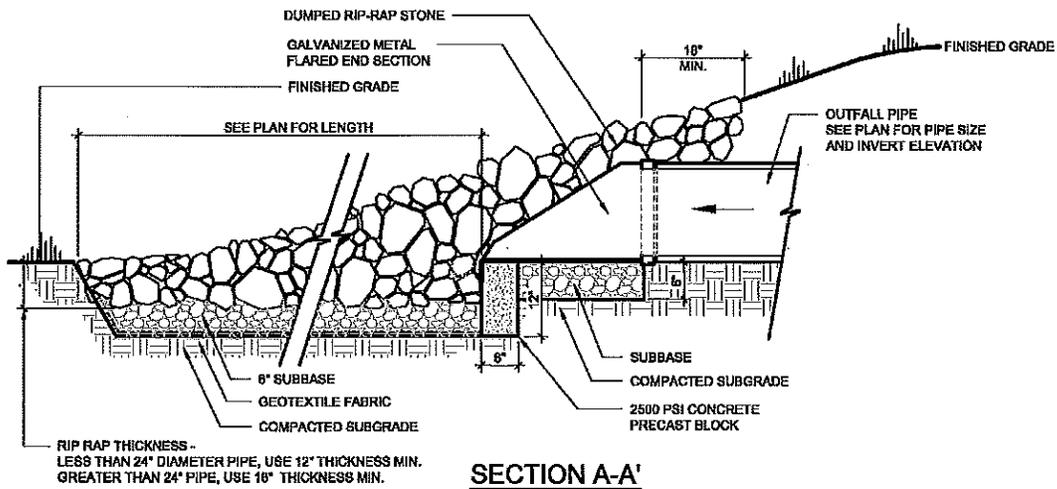
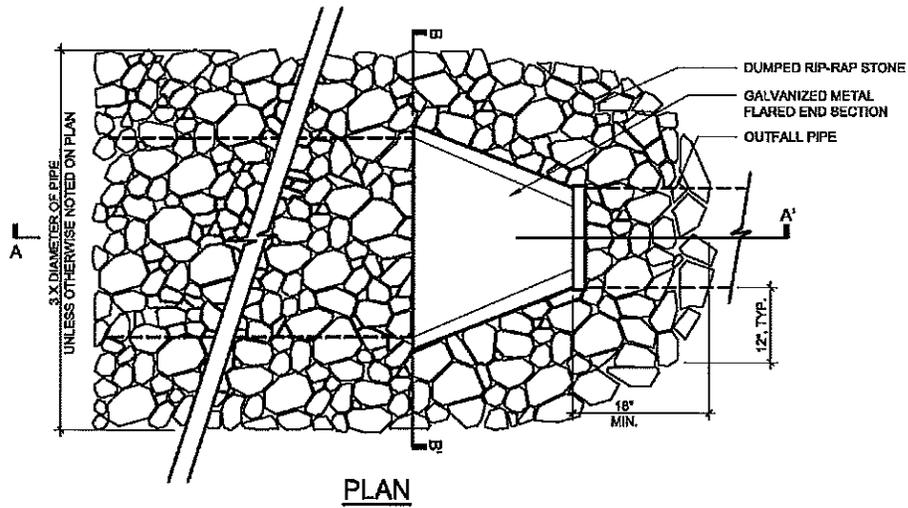
Figure 5 - Wetland Impact Assessment Drawings

Sheet 7 of 7
 July 2016

Notes: 1. Basemap: ESRI ArcGIS Online "Canvas/World Light Gray Base" Map Service

Project Site	Grading Contour	Impact Type
Identified Stream	Culvert	Conversion
Delineated Wetland	Access Road - Centerline	Permanent
1' Contour	Access Road - Width	Temporary



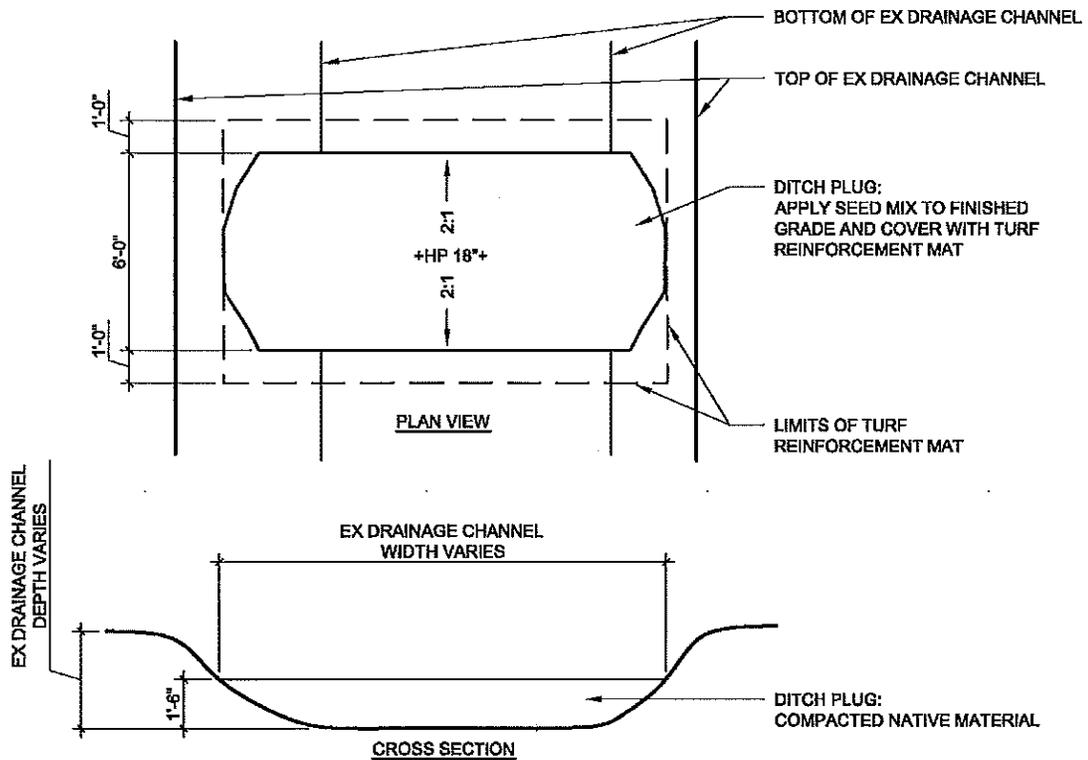


CULVERT PIPE WITH FLARED END SECTION & RIP-RAP STONE (DUMPED)
 NTS

Owasco Flats Wetland Restoration Project
 Town of Moravia - Cayuga County, New York
 Figure 6 - Construction Details
 April 2016

Cayuga County - Owasco Flats
 D/A Processing No. 2013-00188
 Cayuga County, New York

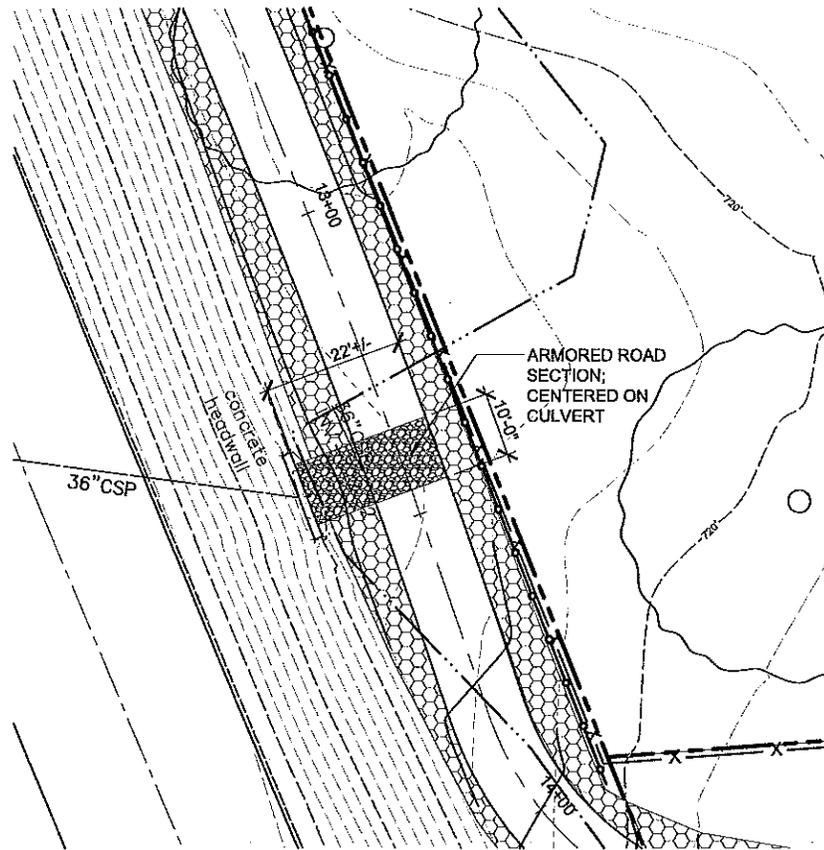




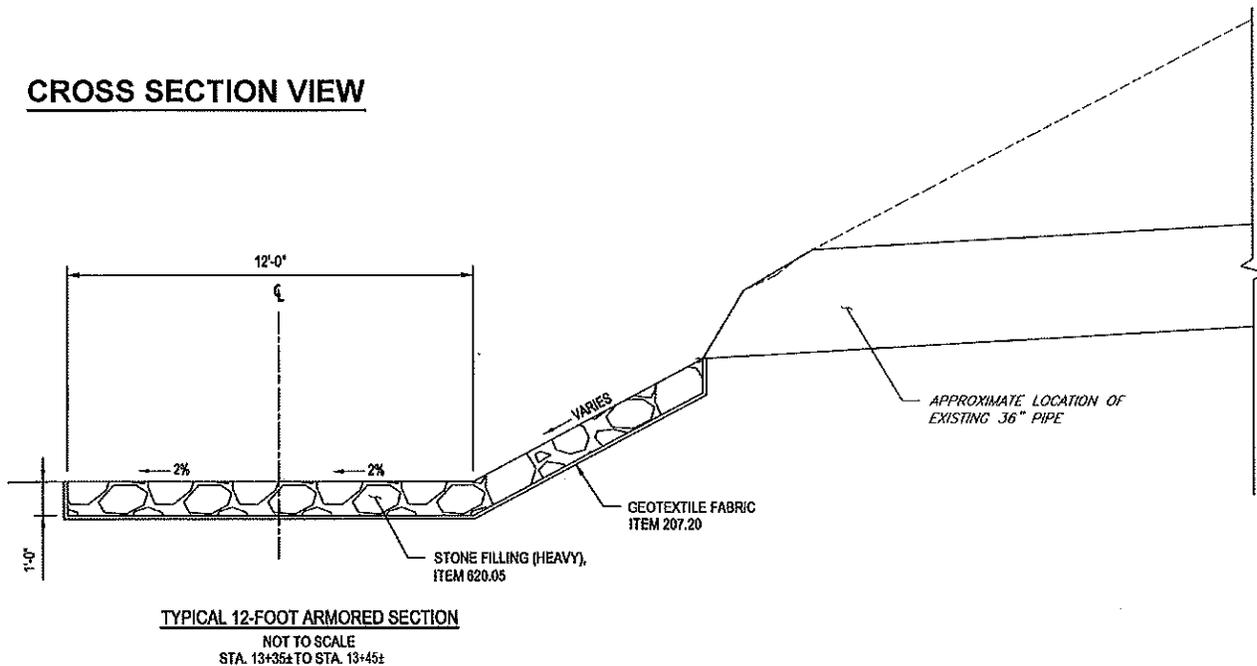
DITCH PLUG
 Scale: 1/4" = 1'-0"



PLAN VIEW



CROSS SECTION VIEW



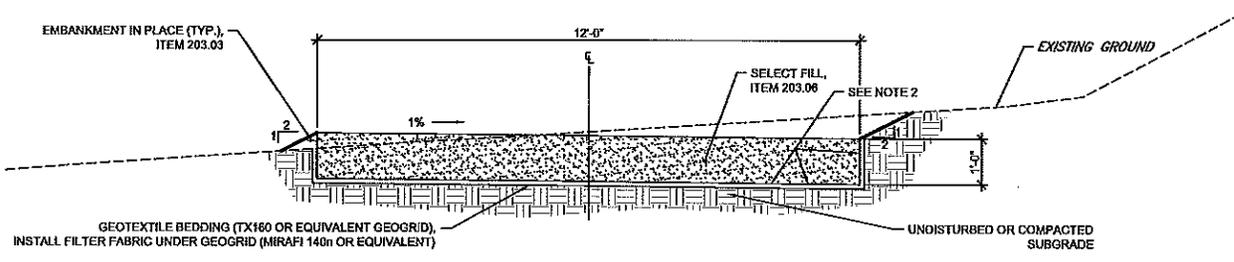
Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project
 Town of Moravia - Cayuga County, New York

Figure 6 - Construction Details

June 2016

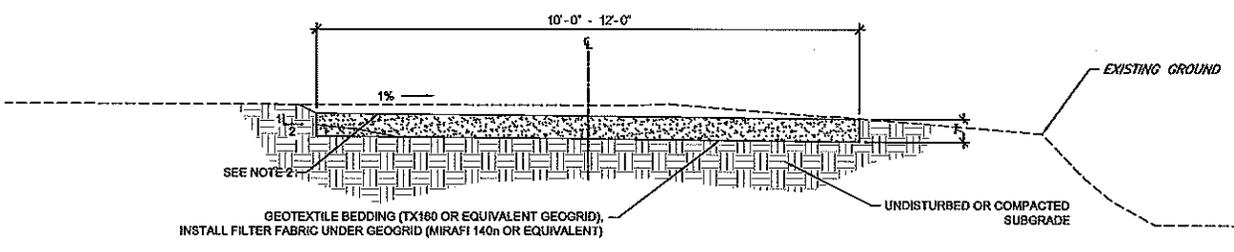
Cayuga County - Owasco Flats
 D/A Processing No. 2013-00188
 Cayuga County, New York





TYPICAL 12-FOOT MAIN ROAD SECTION (12" AGGREGATE PAVING)

NOT TO SCALE
STA. 10+00± TO 28+50±



TYPICAL ROAD SECTION (6" AGGREGATE PAVING)

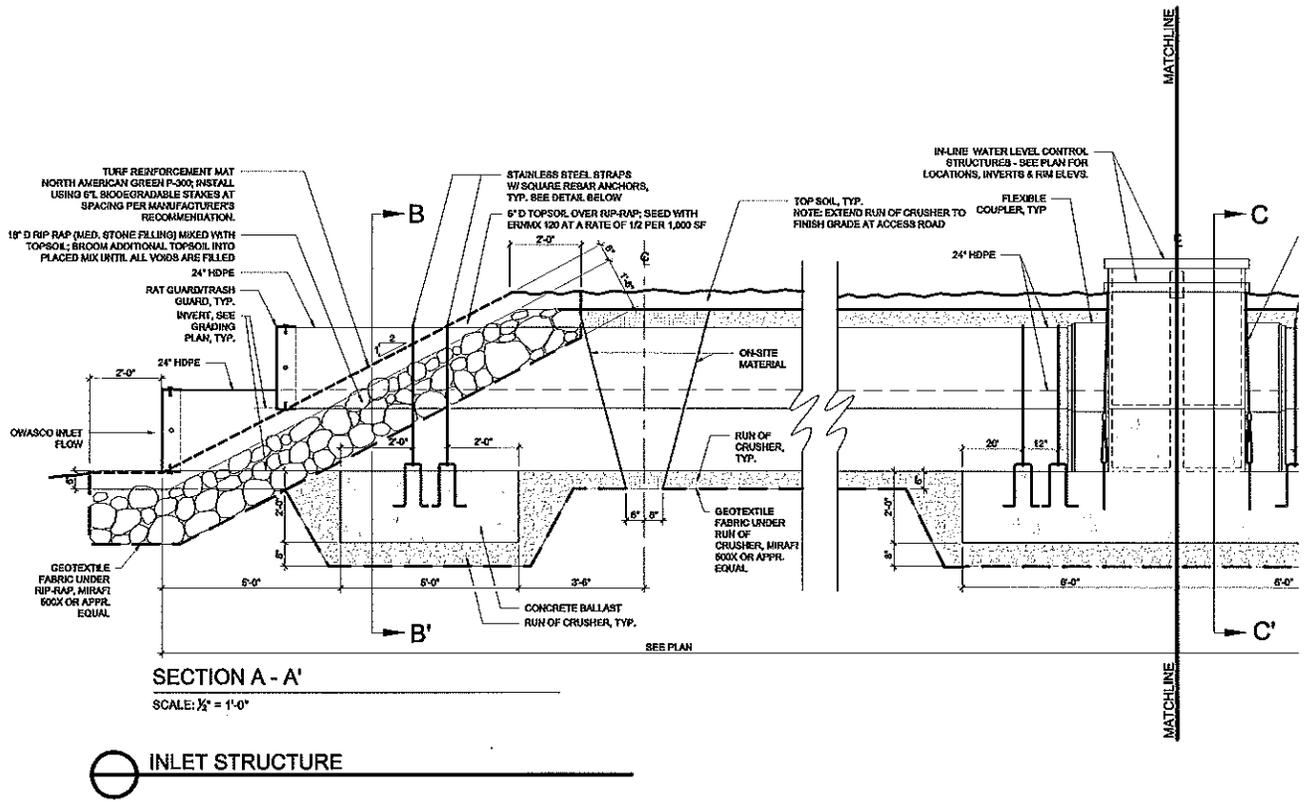
NOT TO SCALE

Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project
Town of Moravia - Cayuga County, New York

Figure 6 - Construction Details
July 2016

Cayuga County - Owasco Flats
D/A Processing No. 2013-00188
Cayuga County, New York





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Owasco Flats Wetland Restoration and Riparian Buffers Initiative Project

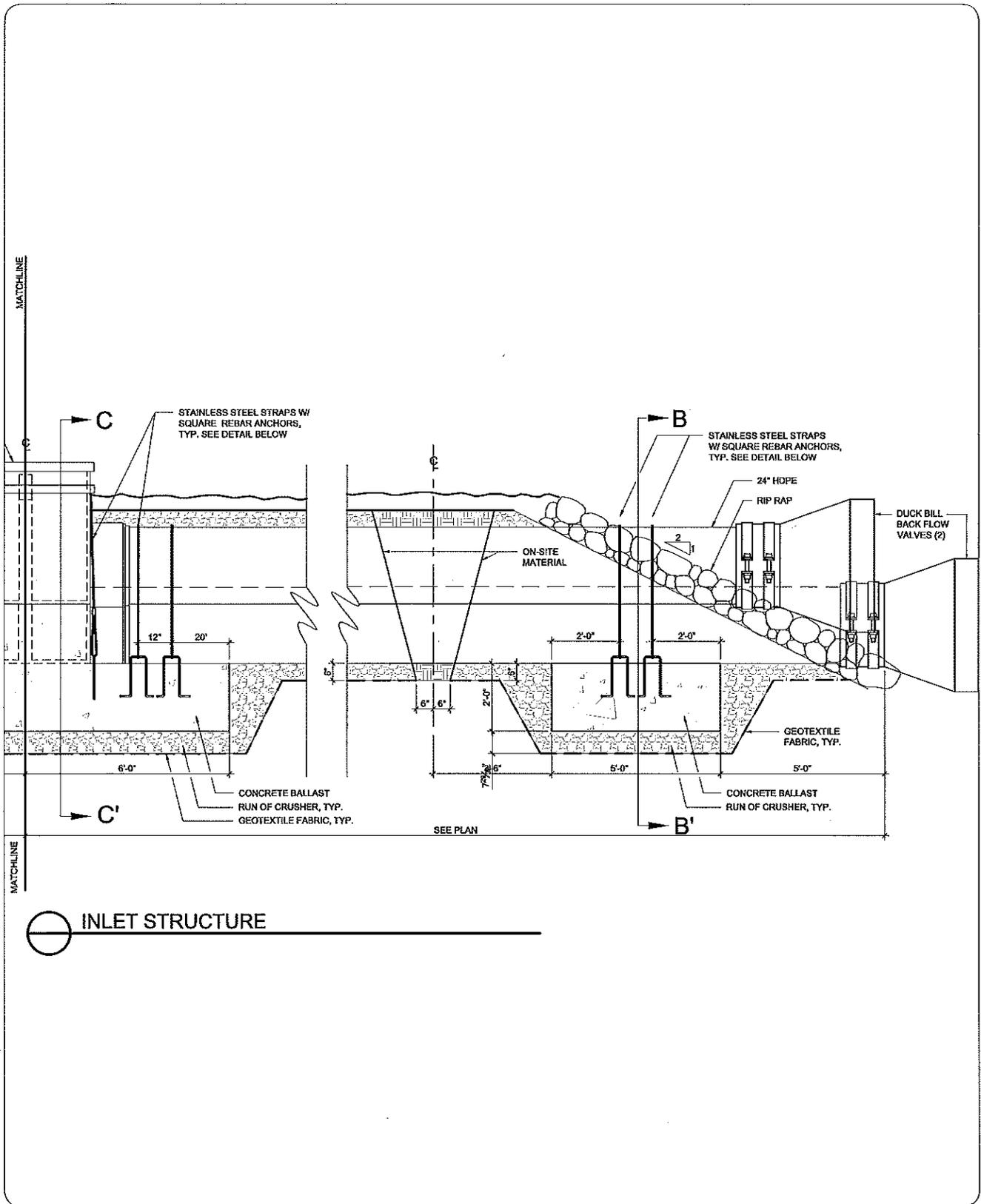
Town of Moravia - Cayuga County, New York

Figure 6 - Construction Details

July 2016

Cayuga County - Owasco Flats
D/A Processing No. 2013-00188
Cayuga County, New York

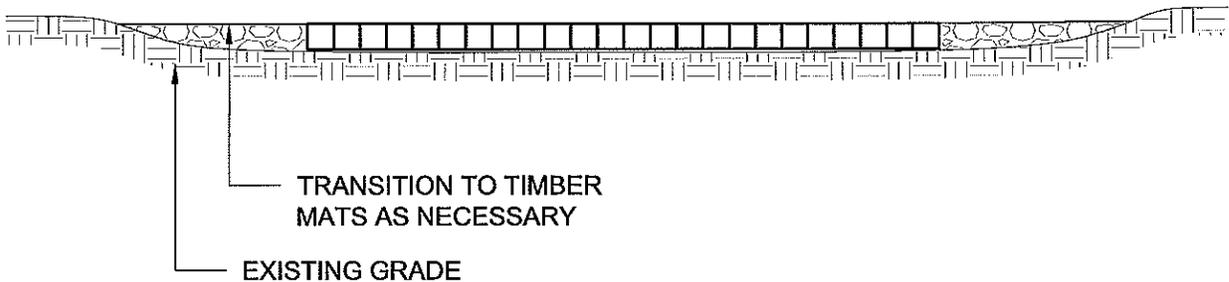
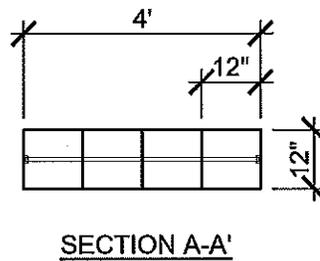
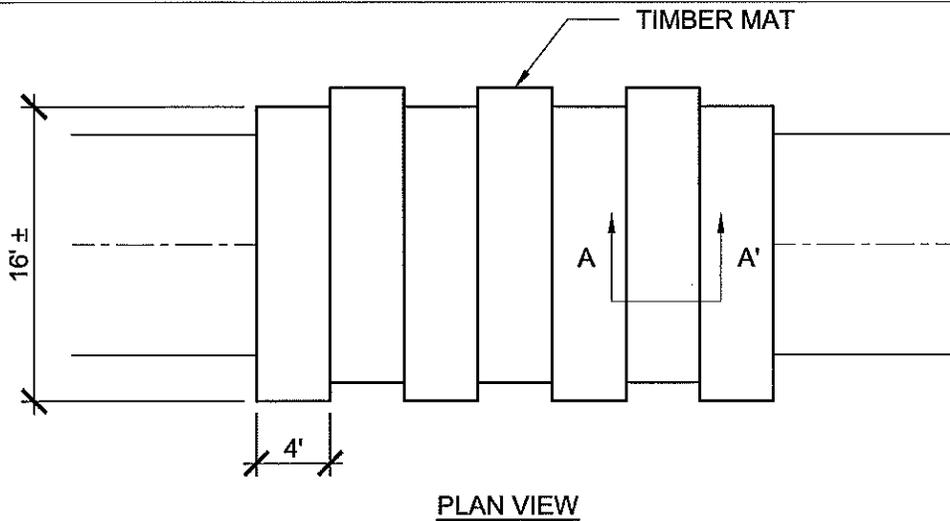




Owasco Flats Wetland Restoration Project
 Town of Moravia - Cayuga County, New York
 Figure 6 - Construction Details
 April 2016

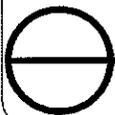
Cayuga County - Owasco Flats
 D/A Processing No. 2013-00188
 Cayuga County, New York





NOTES:

1. TIMBER MATS ARE TO BE INSTALLED IN WETLANDS AND OTHER AREAS IF NECESSARY TO PREVENT RUTTING.
2. BASED ON ACTUAL SITE CONDITIONS, MULTIPLE LAYERS OF TIMBER MATS MAY BE REQUIRED



TIMBER MATS

Scale: N.T.S.

