WETLAND DELINEATION REPORT FOR THE ONONDAGA COUNTY INDUSTRIAL DEVELOPMENT AGENCY SEWER LINE PROJECT

TOWN OF CLAY ONONDAGA COUNTY, NEW YORK

Prepared for:

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1.0 INTRODUCTION

Terrestrial Environmental Specialists, Inc. (TES) performed a wetland investigation for the Onondaga County Industrial Development Agency (OCIDA) proposed sanitary sewer line route in the Town of Clay, Onondaga County, New York. The proposed sewer line begins south of the Oak Orchard Waste Water Treatment Plant, east along the Metropolitan Water Board right-of-way or ROW (located south of NYS Route 31), north along Caughdenoy Road and ends just south of Ver Plank Road at the Conrail railroad tracks (Figure 1).

The TES wetland investigation consisted of a review of available background information and a field delineation of wetlands and other regulated waters on the proposed sewer line route ROW. This report addresses the results of the background information review and the wetland delineation. A variety of figures are included with this report, along with photographs and field data sheets.

2.0 BACKGROUND INFORMATION REVIEW

Prior to the field investigation for wetlands, TES assembled and reviewed available background information. This information included:

- the New York State Department of Transportation (NYS DOT) Topographic Map (Brewerton Quadrangle) (Figure 1);
- the New York State Department of Environmental Conservation (NYSDEC) New York State (NYS) Freshwater Wetlands Map (Figure 2);
- the U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) Map (Figure 3);
- the Onondaga County Soil Survey Map prepared by the United States Department of Agriculture Natural Resources Conservation Service (USDA NRCS) (Figure 4);
- the New York State Surface Water Classification Map (Figure 5);
- the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (Figure 6); and
- a 2009 aerial photograph obtained from the New York State Geographic Information Systems (GIS) Clearinghouse (Figure 7).

All figures are provided after the text.

3.0 METHODS

The agency resource information maps, soils descriptions, and the aerial photograph discussed above were used during the field review. These maps and this information assisted in the initial identification of potential wetland areas and other regulated waters within the ROW.

A preliminary field review for wetlands was conducted by TES on May 17, 2012. Flagging of the wetlands and data collection was performed by TES on September 27, 28, and October 1, 2012. The wetland boundaries were identified and delineated using the state and

federal criteria for vegetation, soils, and hydrology (NYSDEC and APA 1995, Environmental Laboratory. 1987, U.S. Army Corps of Engineers 2012, Lichvar 2012, and USDA NRCS 2010).

Surveyor's ribbons were placed along the wetland boundaries based on observations of vegetation, soils, and hydrology conditions. These observations were made along transects located perpendicular to the wetland boundaries. Additional observations of vegetation, soils, and hydrology were made at intermediate locations between the transects for the placement of additional flagging. Each wetland flag was labeled with a letter identifier of the wetland and was numbered consecutively (e.g., A-1, A-2, A-3, etc.). The flagged wetland boundaries were surveyed by CHA.

To further support the wetland boundaries, data on vegetation, soils, and hydrology were collected from sample plots along transects located perpendicular to the wetland boundaries. TES sampled thirty-seven (37) plots in and around the wetlands and in other representative areas. Plots were generally located on the wetland and upland sides of the flagged wetland boundaries. The plot data were recorded on data sheets similar to those used in the regional supplement (U.S. Army Corps of Engineers 2012).

Vegetation data were collected in all the sample plots. Ocular estimates of the percent areal cover by plant species for each vegetation layer (tree, shrub, and herbaceous layers) were recorded. The sample plots varied in size by vegetation layer being sampled. The sizes were: 30-foot radius for the tree, 15-foot radius for the shrub, and 5-foot radius for the herbaceous layer.

The presence of wetland vegetation was determined when more than 50 percent of the dominant species in a sample plot had an indicator status of obligate (OBL), facultative-wet (FACW), or facultative (FAC). The dominant species for each layer in a plot were determined by ranking the species in decreasing order of percent cover and recording those species which, when cumulatively totaled, immediately exceeded 50 percent of the total cover of that layer. Additionally, any plant species that comprised 20 percent or more of the total cover for each layer was considered to be a dominant species.

Plant species were primarily identified using the Manual of Vascular Plants of Northeastern United States and Adjacent Canada (Gleason and Cronquist 1991), New Britton and Brown Illustrated Flora (Gleason 1952), and Gray's Manual of Botany (Fernald 1950). Scientific nomenclature follows the National Wetland Plant List (Lichvar 2012) and A Checklist of New York State Plants (Mitchell and Tucker 1997). The indicator status for each plant species was determined using National Wetland Plant List (Lichvar 2012).

Soil and hydrology data were collected in soil pits or soil borer holes to a minimum depth of 12 inches within each sample plot. Soil characteristics were noted along the soil profile at the depth specified by the Corps criteria (U.S. Army Corps of Engineers 2012). Procedures for identifying hydric soils as outlined in the *Field Indicators of Hydric Soils in the United States* (USDA NRCS 2010) were followed. Soil colors were determined using the Munsell color chart. Primary and secondary indicators of hydrology were also noted at each sample plot. The wetland boundaries were refined on the basis of intermediate soil borer holes along each transect.

4.0 RESULTS

The following section of the report provides an overall description of the ROW and a description of the wetlands identified and delineated by TES.

4.1 Sewer Line Right-of-Way Description

The NYSDOT Topographic Map shows that the ROW is located in the Town of Clay, Onondaga County, New York (Figure 1). The ROW begins south of the Oak Orchard Waste Water Treatment Plant, east along the Metropolitan Water Board right-of-way or ROW (located south of NYS Route 31), north along Caughdenoy Road and ends just south of Ver Plank Road at the Conrail railroad tracks.

The NYSDEC New York State Freshwater Wetlands Map shows one state-regulated wetland within the ROW (Figure 2). This wetland (BRE-17) is a Class I wetland according to the NYSDEC wetland ranking system. This is the highest value in the state's wetland rating system (Class I is the highest ranked and Class IV is the lowest ranked). Wetland BRE-17 is associated with Mud Creek.

According to the National Wetlands Inventory Map (Figure 3), four wetland types occur on or near the ROW. These types are designated by the USFWS as palustrine, forested, broadleaved deciduous/scrub-shrub, broad-leaved deciduous, seasonally flooded/saturated (PFO1/SS1E); palustrine, forested, broad-leaved deciduous, temporarily flooded (PFO1A); palustrine, scrub-shrub, broad-leaved deciduous, seasonally flooded/saturated (PSS1E), and palustrine, unconsolidated bottom, permanently flooded, excavated (PUBHx).

The Soil Survey Map prepared by the Natural Resources Conservation Service shows a variety of mapped soil types within the ROW (Figure 4). Soil data for the ROW were also obtained from the USDA NRCS Web Soil Survey (WSS). Information from these sources indicated that seventeen different soils occur within the ROW.

Table 1.

Mapped Soils Occurring Within the OCIDA Sewer Line Route Right-of-Way

Soil Map Unit Symbol	Soil Map Unit Name	Drainage Class		
ArB	Arkport very fine sandy loam, 2 to 6 % slopes	well drained		
ChA	Collamer silt loam, 0 to 2 % slopes	moderately well drained		
ChB	Collamer silt loam, 2 to 6 % slopes	moderately well drained		
ClB	Colonie loamy fine sand, 0 to 6 % slopes	somewhat excessively drained		
DuC	Dunkirk silt loam, rolling	well drained		
FL	Fluvaquents, frequently flooded	poorly drained		
HlA	Hilton loam, 0 to 3 % slopes	moderately well drained		
HlB	Hilton loam, 3 to 8 % slopes	moderately well drained		

Table 1. (cont.)

Soil Map Unit Symbol	Soil Map Unit Name	Drainage Class
MdB	Madrid fine sandy loam, 2 to 8 % slopes	well drained
MtA	Minoa fine sandy loam, 0 to 2 % slopes	somewhat poorly drained
NgA	Niagara silt loam, 0 to 4 % slopes	somewhat poorly drained
OgB	Ontario loam, 2 to 8 % slopes	well drained
OnC	Ontario gravelly loam, 8 to 15 % slopes	well drained
Wn	Wayland silt loam	poorly drained
WwA	Williamson silt loam, 0 to 2 % slopes	moderately well drained
WwB	Williamson silt loam, 2 to 6 % slopes	moderately well drained
WwC	Williamson silt loam, rolling	moderately well drained

Fluvaquents, Minoa fine sandy loam, Niagara silt loam, and Wayland silt loam have a major component of hydric soils (drainage classes range from somewhat poorly drained to poorly drained). The remaining soil units have no hydric components and are somewhat excessively drained to moderately well drained soils (Figure 4).

The Surface Water Classification Map shows several mapped streams within the ROW (Figure 5). They include two tributaries of Mud Creek, Shaver Creek, and a tributary of Shaver Creek. All of these streams have a water quality Class and Standard of C. To be state-protected, a waterbody has to have a Class of C or higher and a Standard of CT (trout) or higher.

There are areas of the 100-year floodplain shown on the FEMA Flood Insurance Rate Map (Figure 6). These floodplains are associated with Mud Creek.

The 2009 aerial photograph (Figures 7-1 to 7-7) shows that within the ROW there is a mixture of undeveloped land, agricultural land, and residential land.

The drainage basin for the ROW is approximately 1,228 acres (Figure 8). Several Relatively Permanent Waterbodies (RPW's) occur within the ROW. They include two tributaries of Mud Creek, Shaver Creek, and a tributary of Shaver Creek. These RPW's all flow into the Oneida River, a Traditional Navigable Waterbody (TNW), which is located approximately 3,000 feet northwest of the ROW (Figure 9).

4.2 Sewer Line Right-of-Way Ecology

The ROW consisted of open fields, scrub-shrub uplands, deciduous forest uplands, and wetlands. All cover types were found throughout the ROW. Open fields were dominated by herbaceous plant species. Herbaceous species that dominated this cover type included broad leaf plantain (*Plantago major*), red clover (*Trifolium pratense*), alfalfa (*Medicago sativa*), sedge (*Carex* sp.), Canada goldenrod (*Solidago canadensis*), hawkweed oxtongue (*Picris hieracioides*), wild carrot (*Daucus carota*), white bedstraw (*Galium mollugo*), blackberry (*Rubus allegheniensis*), bluegrass (*Poa* sp.), and bentgrass (*Agrostis* sp.).

Scrub-shrub uplands were dominated by common buckthorn (*Rhamnus cathartica*) and green ash (*Fraxinus pennsylvanica*) in the shrub layer. There was no tree layer. The herbaceous layer contained bluegrass, Canada goldenrod, and aster (*Aster* sp.).

Deciduous forest uplands were dominated by yellow birch (*Betula allegheniensis*), bitternut hickory (*Carya cordiformis*), eastern hemlock (*Tsuga canadensis*), green ash, red maple (*Acer rubrum*), black cherry (*Prunus serotina*), and apple (*Malus* sp.) in the tree layer. The shrub layer was sparse but contained red oak (*Quercus rubra*), bitternut hickory, and common buckthorn. Bitternut hickory, red maple, and green ash seedlings were found in the herbaceous layer along with poison ivy (*Toxicodendron radicans*), Canada goldenrod, and Honeysuckle (*Lonicera* sp.).

4.3 Wetlands/Water Resources Descriptions

Sixteen wetlands/water resources were found on or adjacent to the ROW and are described in the table below. The boundaries were flagged with coded surveyor's ribbon using the methods described in the Corps 2012 Regional Supplement to the 1987 Corps of Engineers Wetland Delineation Manual and the Freshwater Wetlands Delineation Manual. The delineated wetland boundaries with sample plot and photograph locations are shown on Figures 10-1 through 10-19 and were surveyed by CHA. Wetlands/water resources within the ROW total approximately 3.36 acres in size.

Photographs and field data sheets are provided in Appendix A and Appendix B, respectively. Jurisdictional Determination (JD) information for the following wetlands/water resources can be found in Appendix C.

Table 2.
Details of Wetlands Along the OCIDA Sewer Line Route Right-of-Way

Wetland/ Waters ID	Figure Number	Wetland/ Waters Size (acres within ROW)	Stream Length (feet)	Wetland/Waters Mapped Soil Type	Wetland/Waters Cover Type	Dominant Plants
A	10-2	0.06	84	Dunkirk silt loam, rolling	Emergent Wetland	Acorus americanus
В	10-2	-	66	Collamer silt loam, 2 to 6 % slopes	Wet Meadow	Carex sp.
С	10-3	0.11	-	Collamer silt loam, 2 to 6 % slopes	Emergent Wetland	Populus deltoides, Fraxinus pennsylvanica, Phragmites australis
D	10-4	0.23	258	Dunkirk silt loam, rolling/Wayland silt loam	Wet Meadow/Deciduous Forest Wetland	Phalaris arundinacea/Acer saccharinum, Rhamnus cathartica, Cornus amomum, Onoclea sensibilis, Lysimachia nummularia

Table 2. (cont.)

Wetland/ Waters ID	Figure Number	Wetland/ Waters Size (acres within ROW)	Stream Length (feet)	Wetland/Waters Mapped Soil Type	Wetland/Waters Cover Type	Dominant Plants
E	10-5	0.05	-	Collamer silt loam, 2 to 6 % slopes	Deciduous Forest Wetland	Fraxinus pennsylvanica, Cornus amomum, Erigeron annuus, Epilobium hirsutum
F	10-5	0.09	-	Collamer silt loam, 2 to 6 % slopes	Emergent Wetland	Cornus amomum, Typha angustifolia, Symphyotrichum novi- belgii
G	10-6	0.55	-	Collamer silt loam, 2 to 6 % slopes	Scrub-Shrub Wetland	Fraxinus pennsylvanica, Salix sp., Lysimachia nummularia, Aster sp.
Н	10-6	0.14	-	Collamer silt loam, 2 to 6 % slopes	Scrub-Shrub Wetland	Fraxinus pennsylvanica, Cornus amomum, Epilobium hirsutum, Aster sp.
I	10-9	0.16	116	Fluvaquents, frequently flooded	Scrub-shrub Wetland	Populus deltoides, Cornus amomum, Salix sp., Onoclea sensibilis, Toxicodendron radicans
J	10-9	-	99	Collamer silt loam, 2 to 6 % slopes	Scrub-Shrub Wetland	Salix sp., Cornus amomum, Poa sp.
K	10-9	0.07	-	Collamer silt loam, 2 to 6 % slopes	Scrub-Shrub Wetland	Fraxinus pennsylvanica, Cornus amomum, Impatiens capensis, Poa sp., Epilobium hirsutum
L	10-13, 10-14	1.22	119	Williamson silt loam, 0 to 2 % slopes/Williamson silt loam, rolling	Wet Meadow/ Deciduous Forest Wetland	Phragmites australis, Eutrochium maculatum, Eupatorium perfoliatum, Lythrum salicaria/Acer rubrum, Onoclea sensibilis, Osmunda regalis
M	10-16	0.01	-	Collamer silt loam, 0 to 2 % slopes	Wet Meadow	Cornus alba, Phragmites australis
N	10-12	0.67	120	Collamer silt loam, 2 to 6 % slopes/Dunkirk silt loam, rolling	Wet Meadow/Scrub- Shrub Wetland	Phragmites australis/Cornus amomum, Aster sp., Carex sp.
О	10-16	-	-	Niagara silt loam, 0 to 4 % slopes	Wet Meadow	Acer saccharinum, Phragmites australis, Aster sp.
P	10-16	-	-	Niagara silt loam, 0 to 4 % slopes	Deciduous Forest Wetland	Acer saccharinum, Cornus amomum, Phragmites australis

A JD Form for the wetlands within the ROW is provided in Appendix C. Since all the wetlands have an apparent surface water connection to a tributary system of navigable waters, they are not isolated wetlands. Therefore, TES considers these wetlands to be Corpsjurisdictional areas.

5.0 SUMMARY

Terrestrial Environmental Specialists, Inc. (TES) performed a wetland investigation for the Onondaga County Industrial Development Agency (OCIDA) proposed sanitary sewer line route in the Town of Clay, Onondaga County, New York. The proposed sewer line begins south of the Oak Orchard Waste Water Treatment Plant, east along the Metropolitan Water Board right-of-way or ROW (located south of NYS Route 31), north along Caughdenoy Road and ends just south of Ver Plank Road at the Conrail railroad tracks.

TES collected and reviewed available background information and maps, including agency resource information maps, soils descriptions, and an aerial photograph to locate potential wetlands within the ROW.

The NYSDEC New York State Freshwater Wetlands map shows one state-regulated wetland within the ROW. This wetland (BRE-17) is a Class I wetland according to the NYSDEC wetland ranking system. Wetland BRE-17 is associated with Mud Creek.

The Surface Water Classification Map shows several mapped streams within the ROW. They include two tributaries of Mud Creek, Shaver Creek, and a tributary of Shaver Creek. All of these streams have a water quality Class and Standard of C. To be state-protected, a waterbody has to have a Class of C or higher and a Standard of CT (trout) or higher.

A preliminary field review of the ROW was conducted by TES on May 17, 2012. Flagging of the wetlands and data collection was performed by TES on September 27, 28, and October 1, 2012. The wetland boundaries were identified and delineated using the state and federal criteria for vegetation, soils, and hydrology.

The drainage basin for the ROW is approximately 1,228 acres. Several Relatively Permanent Waterbodies (RPW's) occur within the ROW. They include two tributaries of Mud Creek, Shaver Creek, and a tributary of Shaver Creek. These RPW's all flow into the Oneida River, a Traditional Navigable Waterbody (TNW), which is approximately 3,000 feet northwest of the ROW.

Sixteen wetlands/water resources were found on or adjacent to the ROW and are referred to as Wetland A (0.06 acre), Wetland B (66 linear feet), Wetland C (0.11 acre), Wetland D (0.23 acre), Wetland E (0.05 acre), Wetland F (0.09 acre), Wetland G (0.55 acre), Wetland H (0.14 acre), Wetland I (0.16 acre), Wetland J (99 linear feet), Wetland K (0.07 acre), Wetland L (1.22 acres), Wetland M (0.01 acre), Wetland N (0.67 acre), Wetland O (0.0 acre), and Wetland P (0.0 acre) . CHA surveyed the delineated wetland boundaries. Wetlands within the ROW totaled approximately 3.36 acres in size.

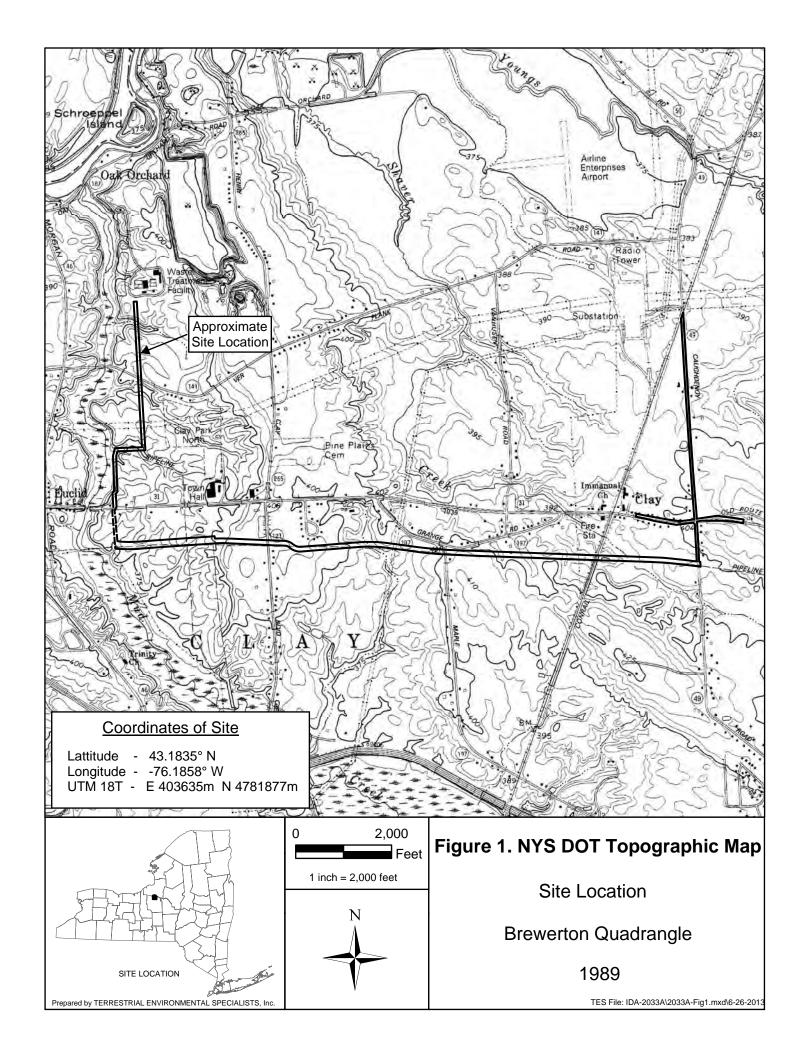
A JD Form for the wetlands within the ROW is provided in Appendix C. Since all the wetlands have an apparent surface water connection to a tributary system of navigable waters (i.e. the Oneida River), they are not isolated wetlands. Therefore, TES considers these wetlands to be Corps-jurisdictional areas.

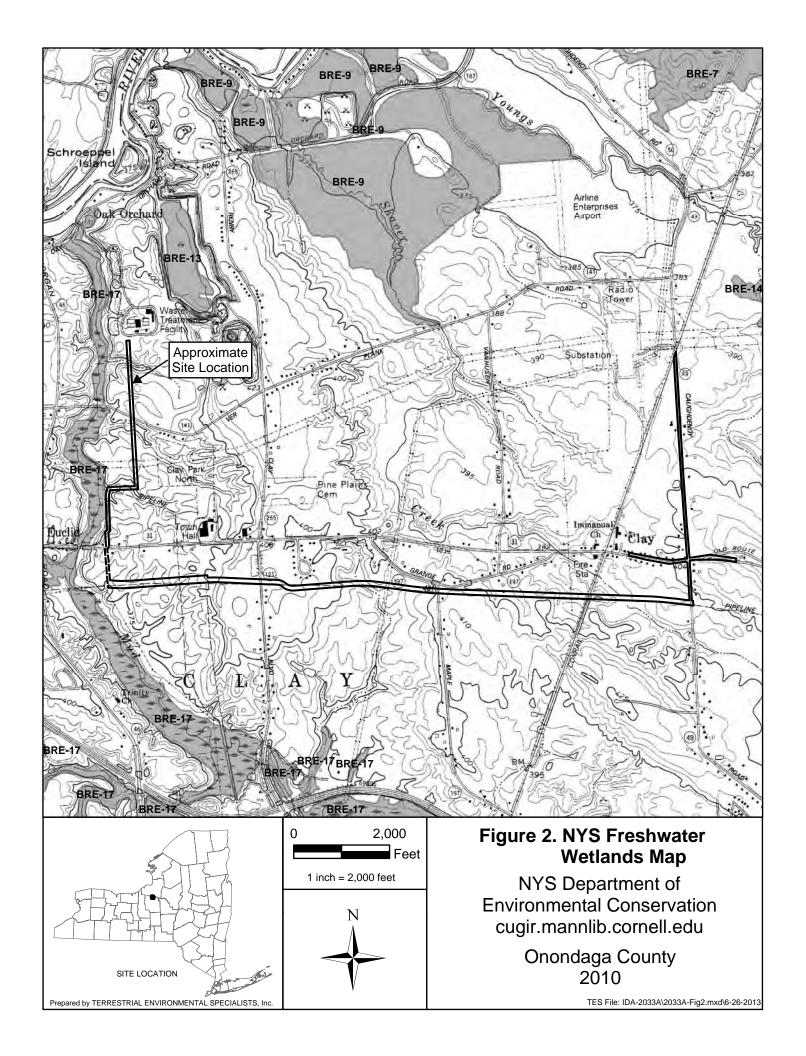
6.0 REFERENCES

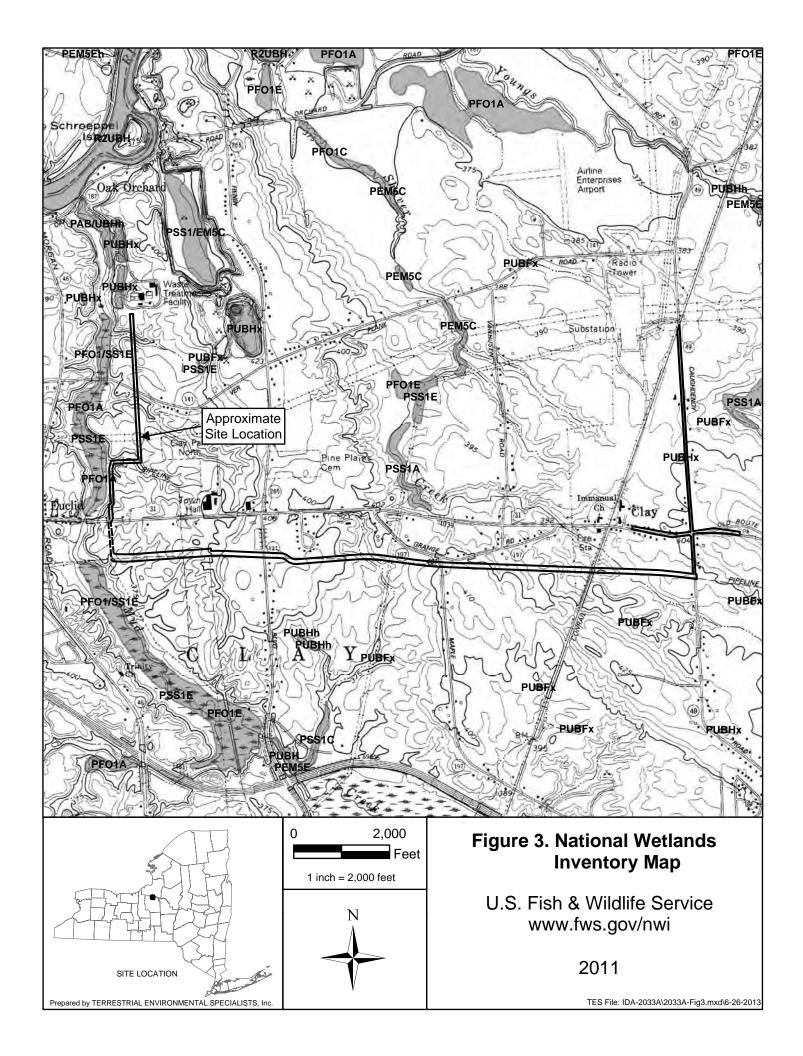
- Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Fernald, M. L. 1950. Gray's Manual of Botany, 8th Edition. American Book Company, New York, NY.
- Gleason, H. A. 1952. The New Britton and Brown Illustrated Flora of the United States and Adjacent Canada. Hafner Press, New York, NY (3 vols).
- Gleason, H. A. and A. Cronquist. 1991. Manual of Vascular Plants of Northeastern United States and Adjacent Canada. The New York Botanical Garden, Bronx NY.
- Lichvar, R.W. 2012. The National Wetland Plant List. ERDC/CRREL TR-12-11.

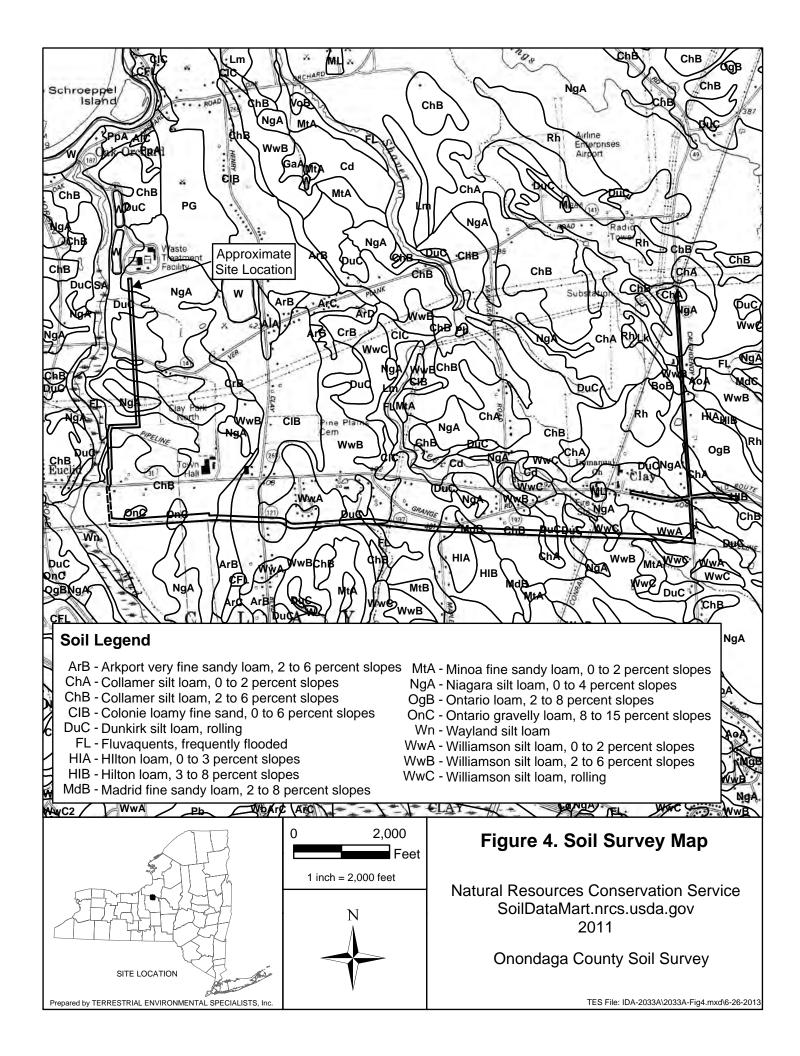
 Hanover, NH: U.S. Army Corps of Engineers, Cold Regions Research and Engineering Laboratory. http://acwc.sdp.sirsi.net/client/search/asset:asset?t:ac=\$N/1012381
- Mitchell, R. S. and G. C. Tucker. 1997. A Revised Checklist of New York State Plants. The State Education Department, NYS Museum Bulletin No. 490, Albany, NY.
- New York State Department of Environmental Conservation (NYSDEC) and Adirondack Park Agency (APA). 1995. New York State Freshwater Wetlands Delineation Manual. New York State Department of Environmental Conservation, Albany, NY.
- Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture (NRCS USDA). Web Soil Survey. Available online at http://websoilsurvey.nrcs.usda.gov/.
- United States Army Corps of Engineers. 2012. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0), ed. J. S. Wakeley, R. W. Lichvar, C. V. Noble, and J. F. Berkowitz. ERDC/EL TR-12-1. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
- United States Department of Agriculture Natural Resource Conservation Service (USDA NRCS). 2010. *Field Indicators of Hydric Soils in the United States*, Version 7.0. L.M. Vasilas, G.W. Hurt, and C.V. Noble (eds.). USDA, NRCS, in cooperation with the National Technical Committee for Hydric Soils.
- United States Department of Agriculture Natural Resource Conservation Service (USDA NRCS). 2012. List of Hydric Soils: National List; All States. Available online at: soils.usda.gov/use/hydric.
- United States Department of Agriculture Natural Resources Conservation Service (USDA NRCS). Soil Survey Geographic (SSURGO) Database for Onondaga County, New York. Available online at: http://soildatamart.nrcs.usda.gov/ Download.aspx?

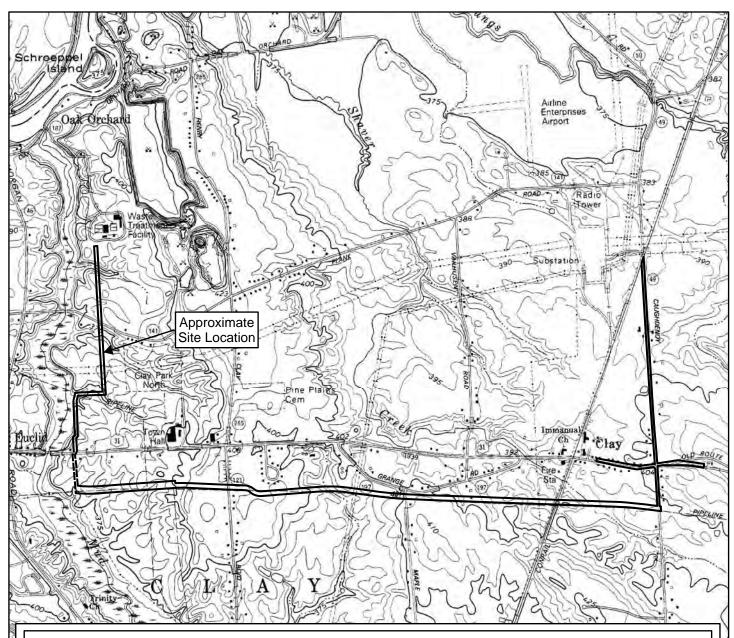
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Item No.	Waters Index Number	Name	Description	Map Ref. No.	Class	Standards
10	Ont. 66-11-3a and tribs., 3b, 4, 5, 7, 10 and tribs., 11 and tribs., 12 and tribs., 13 and tribs., 14 and tribs.	Tribs. of Oneida River	Enter Oneida River from a point 1.0 mile north of Bonsted Road and 1.5 miles southwest of Pleasant Lake at a point 0.5 mile south of Orangeport Road and 1.9 miles west of Clay-Cicero Town line.	H-14ne H-15nw H-15ne H-15-se	С	С

Title 6 NYCRR, Chapter X Article 14, Part 899.4 (1996)

Map H-15nw

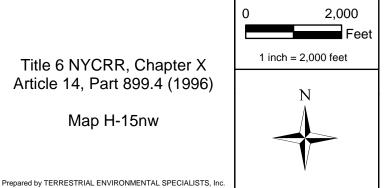
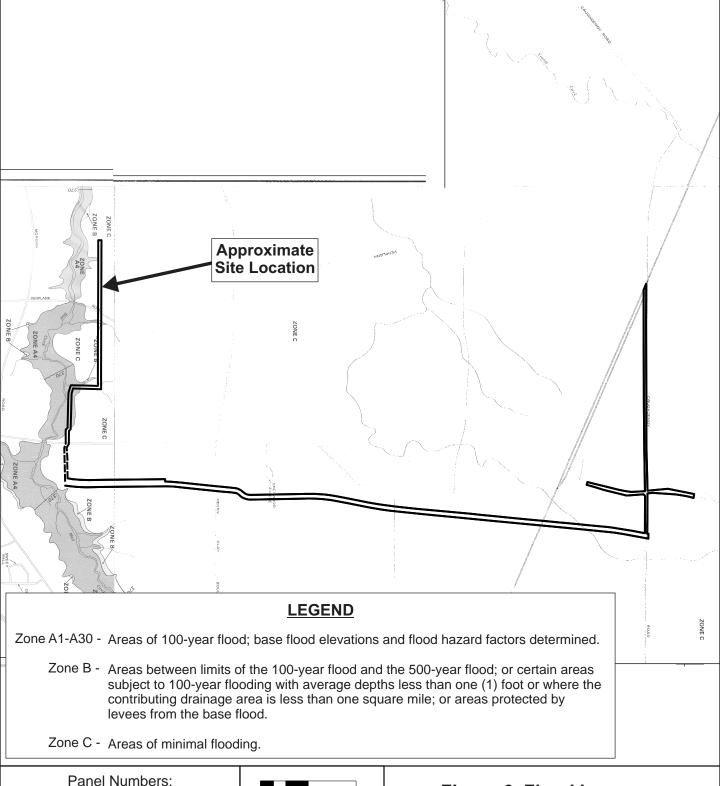


Figure 5. Surface Water **Classification Map**

NYSDEC

Brewerton Quadrangle

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360573 0010 D (Effective Date 3/16/1992)

360573 0025 C (Effective Date 4/17/1989)

(Effective Date 4/1/1980)

360573 0005 C Prepared by TERRESTRIAL ENVIRONMENTAL SPECIALISTS, Inc.

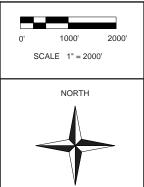
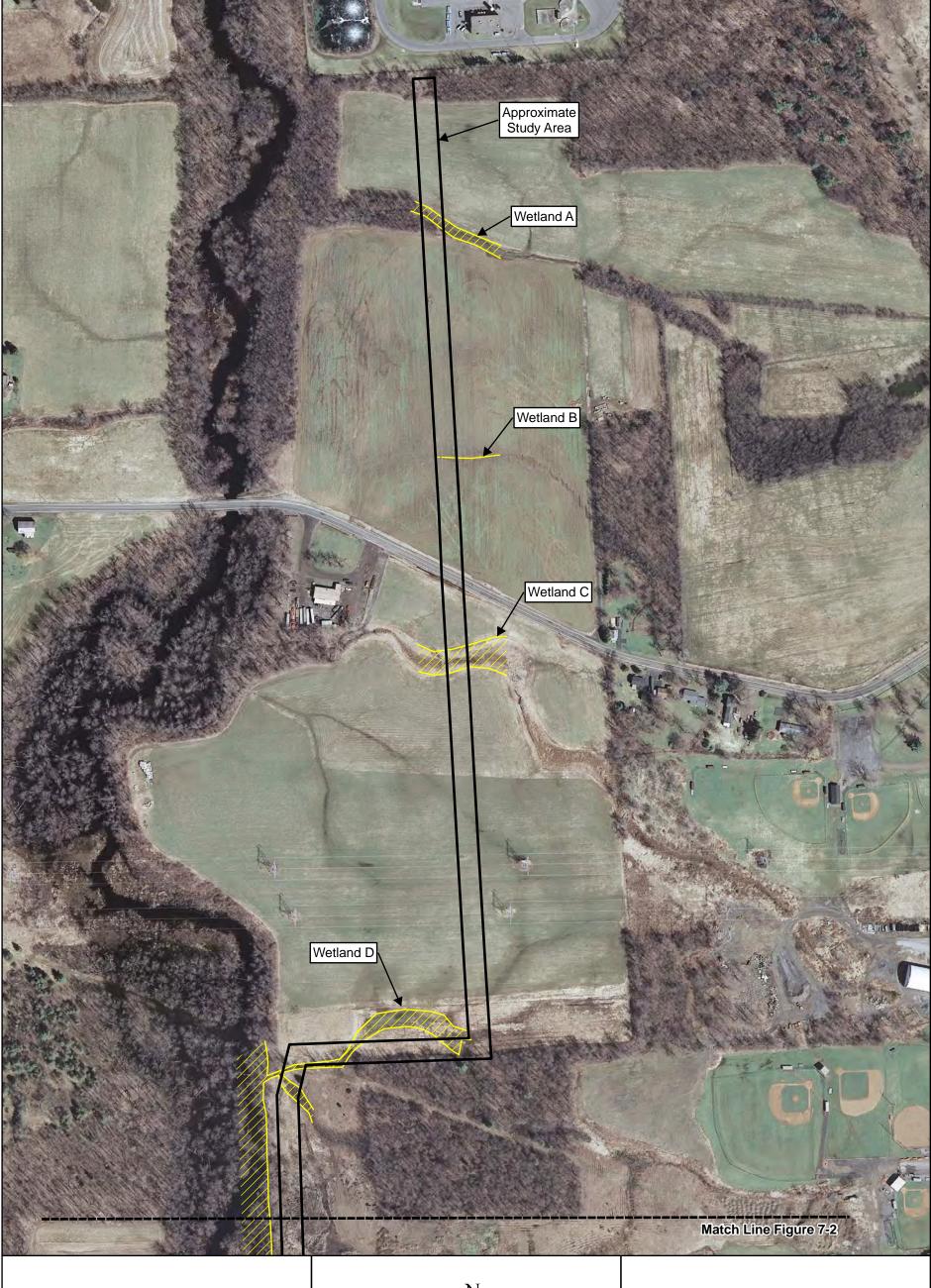


Figure 6. Flood Insurance **Rate Map**

Federal Emergency Management Agency

Town of Clay, NY

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Aerial Photograph Obtained from NYS GIS Clearinghouse 2009

Figure Prepared by Terrestrial Environmental Specialists, Inc.

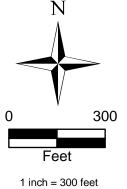
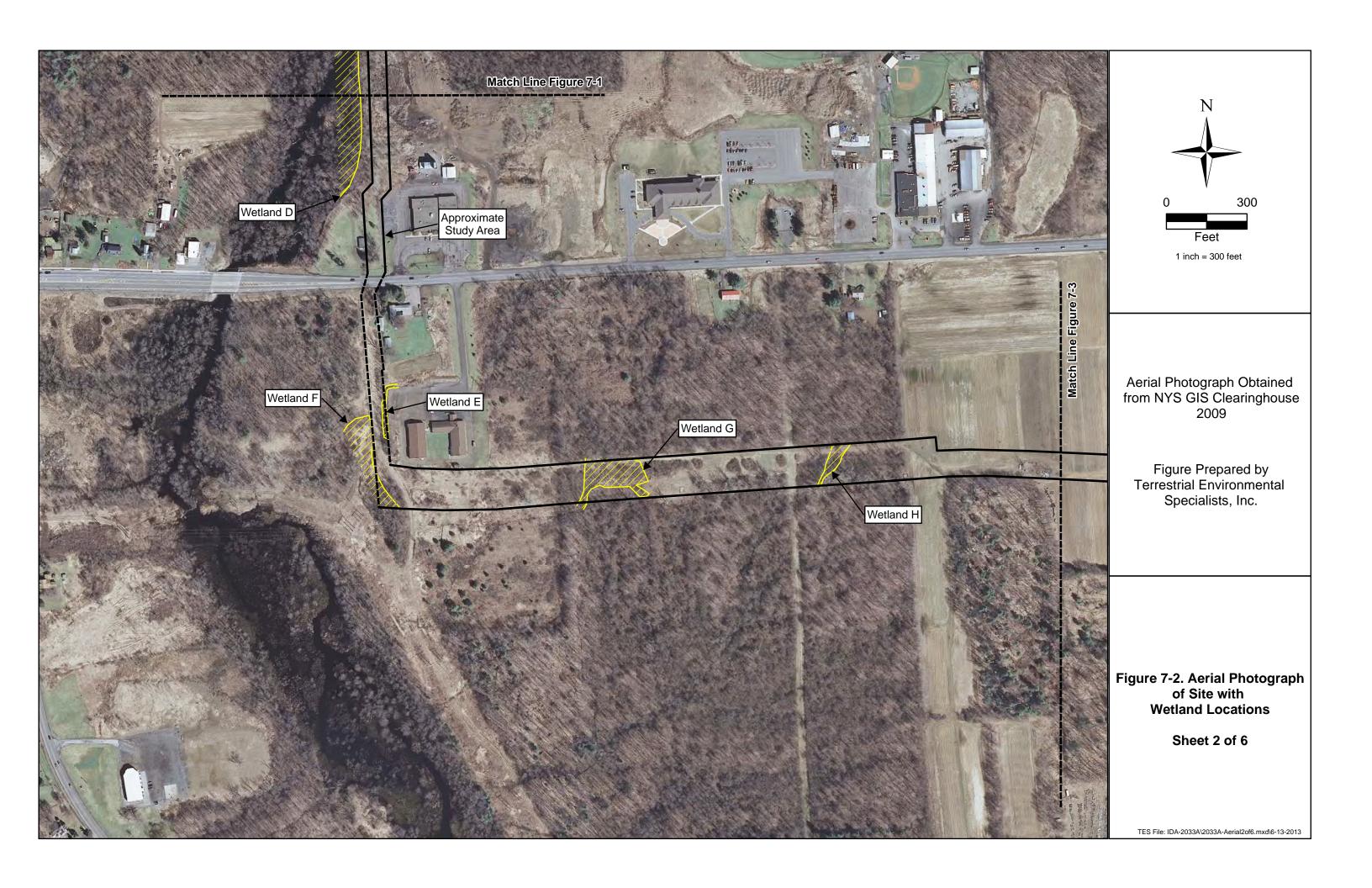


Figure 7-1. Aerial Photograph of Site with Wetland Locations

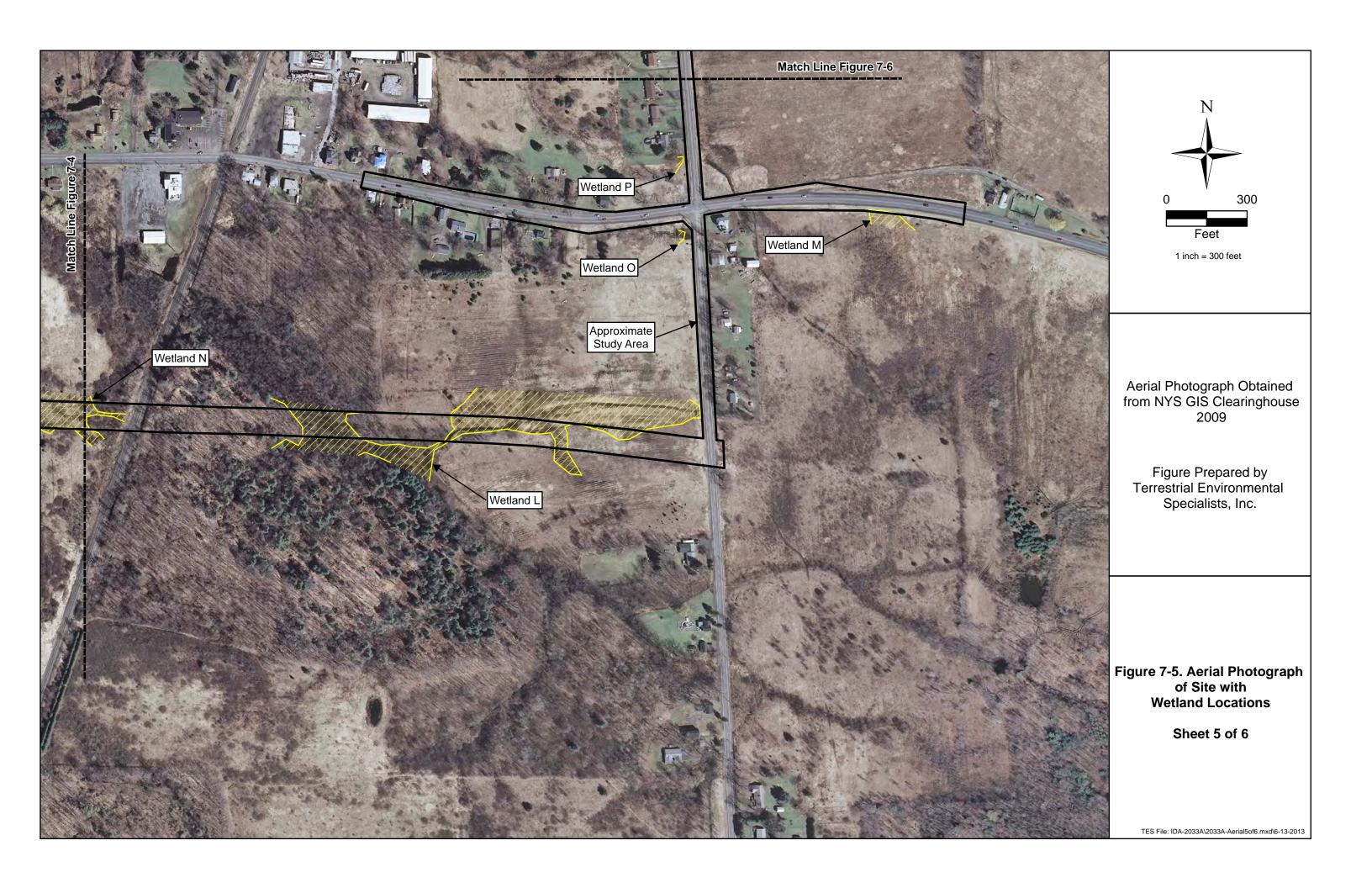
Sheet 1 of 6

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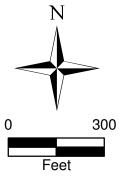






Aerial Photograph Obtained from NYS GIS Clearinghouse 2009

Figure Prepared by Terrestrial Environmental Specialists, Inc.

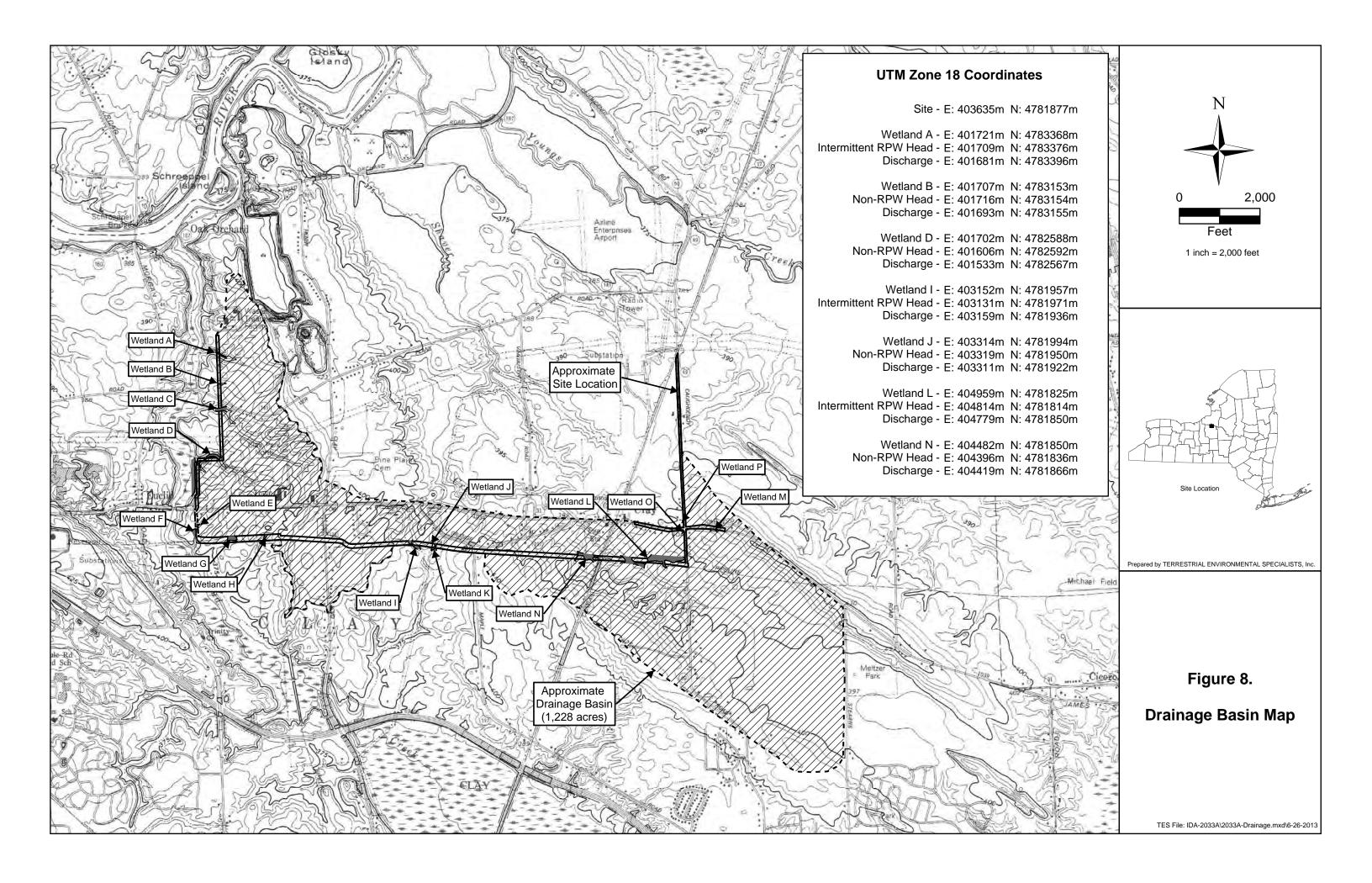


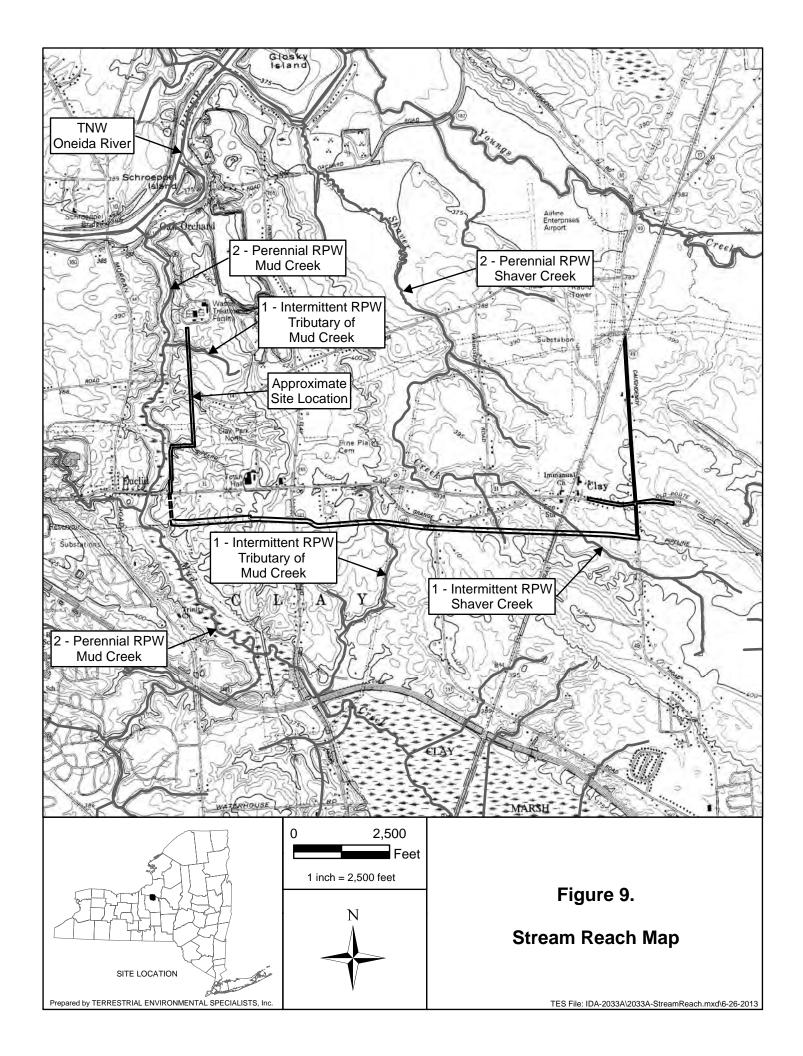
1 inch = 300 feet

Figure 7-6. Aerial Photograph of Site with Wetland Locations

Sheet 6 of 6

TES File: IDA-2033A\2033A-Aerial6of6.mxd\6-13-2013





LANDS N/F ONONDAGA CO. DEPT. OF WEP Approximate Site Location LANDS N/F DONALD GABOR L. 2929 P. 313 T.M.#30-1-5.1

MATCH TO SHEET 2 OF 19

LEGEND:

SIGN (2 POST)

DECIDUOUS TREE

CONIFEROUS TREE

SHRUB
LIGHT POLE

BOLLARD

HYDRANT

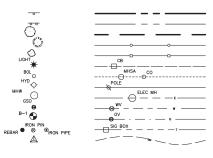
WATER MANHOLE

GAS SHUT OFF VALVE

BORING W/ DESIGNATOR

PROPERTY MONUMENTATION FOUND

SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/LECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE

TELEPHONE LINE W/SIGNAL BOX

CONTOUR LINE

RECORD DRAWINGS UTILIZED:

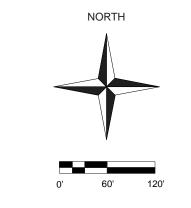
- OAK ORCHARD FORCE MAIN & EFFLUENT SEWER, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.216, DATED FEBRUARY 7, 1975.
- PLAN AND PROFILE RECORD DRAWINGS FOR METRO WATER BOARD'S 54" WATER TRANSMISSION MAIN ALONG 99-FOOT WIDE EASEMENT, PREPARED BY, O'BRIEN & GERE ENGINEERS, INC., FILE No. 446.23, LAST DATED JULY 7, 1965.
- PLAN AND PROFILE DESIGN DRAWINGS FOR ONONDAGA COUNTY'S CLAY-CICERO 24" EFFLUENT FORCE MAIN, PREPARED O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.138, DATED SEPTEMBER 27, 1965.
- PLAN AND PROFILE DESIGN DRAWING S FOR ONONDAGA COUNTY'S DAVIS ROAD 36" FORCE MAIN, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.243, DATED JUNE 27, 1975.

NOTES:

- 1. BASE MAPPING PREPARED BY CHA FROM A DECEMBER 2012 THROUGH JANUARY 2013 FIELD SURVEY (ROCH. FB.150, P.32).
- NORTH ORIENTATION AND CONTOURS ARE BASED ON GPS
 ESTABLISHED AT THE TIME OF THE SURVEY. REFERENCED TO NAD
 83(CORSPB), NYS-CENTRAL (US FEET) AND NAVD 88 (US FEET)
 USING NYSDOT RTN SYSTEM.
- UNDERGROUND UTILITIES ARE SHOWN FROM FIELD LOCATION IF POSSIBLE, OTHERS ARE SHOWN FROM RECORD DATA. THEIR EXACT LOCATION MAY DIFFER FROM THAT AS SHOWN AND OTHERS MAY EXIST.
- 4. SUBJECT TO ANY RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.
- 5. NO BOUNDARY TASKS WERE PERFORMED DURING THIS SURVEY.
- 4"-36" OF SNOW COVER WITH UP TO 10' HIGH SNOW PILES EXISTED DURING PORTIONS OF FIELD SURVEY.

LEGEND

1 Photo Location and Direction



APPROXIMATE SCALE IN FEET

Figure Prepared by Terrestrial Environmental Specialists, Inc.

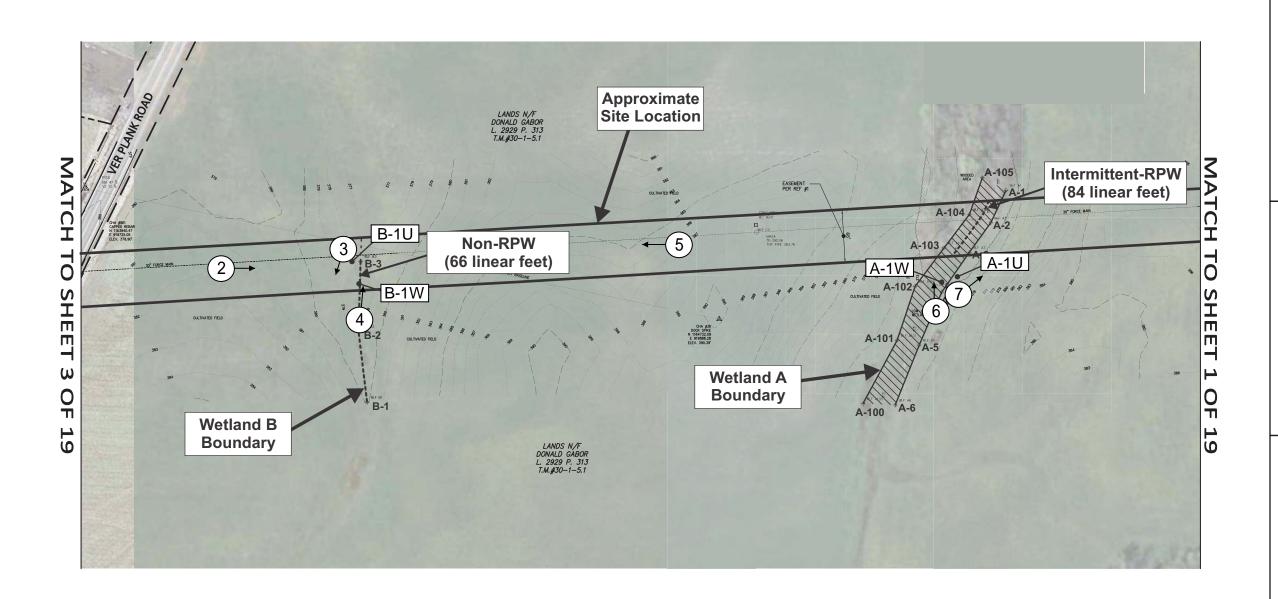
Base Map Provided by CHA Companies

Figure 10-1.

Wetland Survey Map with Plot and Photograph Locations

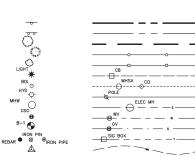
Sheet 1 of 19

TES File: IDA-2033A\2033A-PlotPhoto1.cdr\6-25-2013



LEGEND:

SIGN
SIGN (2 POST)
DECIDUOUS TREE
CONIFEROUS TREE
SHRUB
LIGHT POLE
BOLLARD
HYDRANT
WATER MANHOLE
GAS SHUT OFF VALVE
BORIUS W/ DESIGNATOR
PROPERTY MONUMENTATION FOUND
SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANTARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

- OAK ORCHARD FORCE MAIN & EFFLUENT SEWER, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.216, DATED FEBRUARY 7, 1975.
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NOTES:

- 1. BASE MAPPING PREPARED BY CHA FROM A DECEMBER 2012 THROUGH JANUARY 2013 FIELD SURVEY (ROCH. FB.150, P.32).
- NORTH ORIENTATION AND CONTOURS ARE BASED ON GPS ESTABLISHED AT THE TIME OF THE SURVEY. REFERENCED TO NAD B3/CORS96). NYS—CENTRAL (US FEET) AND NAVD 88 (US FEET) USING NYSDOT RTN SYSTEM.
- 3. UNDERGROUND UTILITIES ARE SHOWN FROM FIELD LOCATION IF POSSIBLE, OTHERS ARE SHOWN FROM RECORD DATA. THEIR EXACT LOCATION MAY DIFFER FROM THAT AS SHOWN AND OTHERS MAY FIRST.
- 4. SUBJECT TO ANY RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.
- 5. NO BOUNDARY TASKS WERE PERFORMED DURING THIS SURVEY.
- 6. 4"-36" OF SNOW COVER WITH UP TO 10' HIGH SNOW PILES EXISTED DURING PORTIONS OF FIELD SURVEY.

LEGEND

A-1W Sample Plot Location

Photo Location and Direction

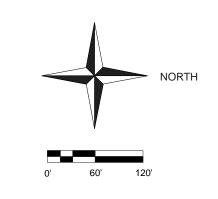


Figure Prepared by Terrestrial Environmental Specialists, Inc.

APPROXIMATE SCALE IN FEET

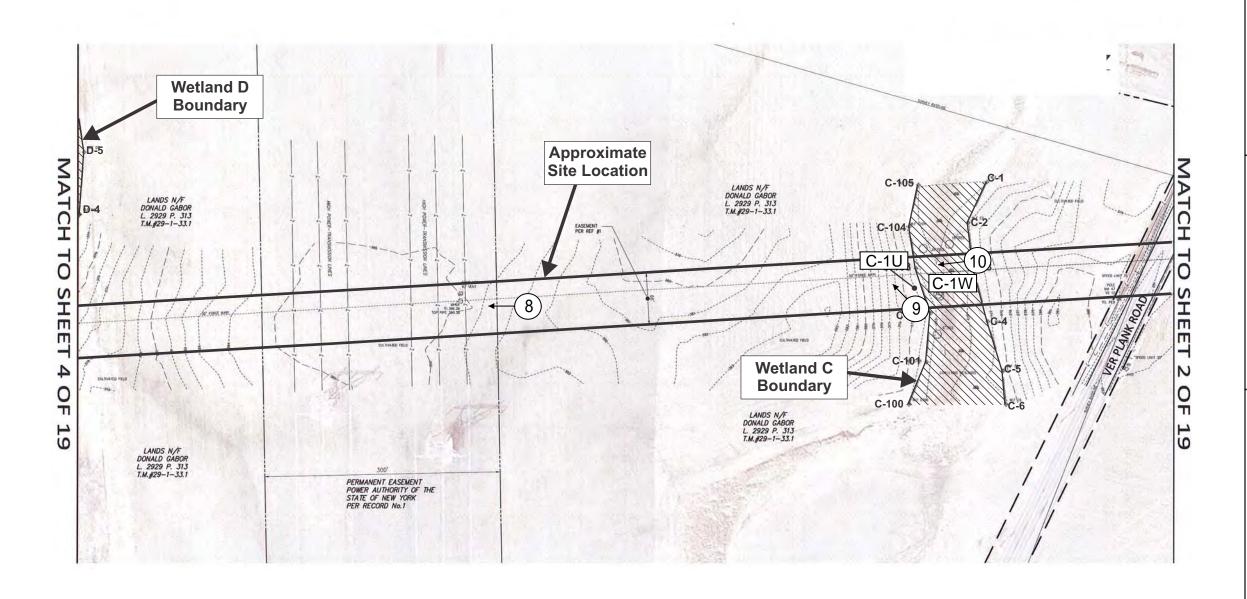
Base Map Provided by CHA Companies

Figure 10-2.

Wetland Survey Map with Plot and Photograph Locations

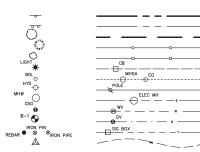
Sheet 2 of 19

TES File: IDA-2033A\2033A-PlotPhoto2.cdr\6-26-2013



LEGEND:

SIGN
SIGN (2 POST)
DECIDUOUS TREE
CONIFEROUS TREE
SHRUB
LIGHT POLE
BOLLARD
HYDRANT
WATER MANHOLE
GAS SHUT OFF VALVE
BORING W/ DESIGNATOR
PROPERTY MONUMENTATION FOUND
SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/YLECTIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX

RECORD DRAWINGS UTILIZED:

- OAK ORCHARD FORCE MAIN & EFFLUENT SEWER, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.216, DATED FEBRUARY 7, 1975.
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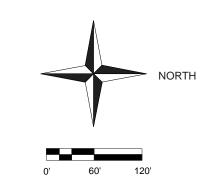
NOTES:

- 1. BASE MAPPING PREPARED BY CHA FROM A DECEMBER 2012 THROUGH JANUARY 2013 FIELD SURVEY (ROCH. FB.150, P.32).
- NORTH ORIENTATION AND CONTOURS ARE BASED ON GPS
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 83(CORS96), NYS—CENTRAL (US FEET) AND NAVD 88 (US FEET)
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- 3. UNDERGROUND UTILITIES ARE SHOWN FROM FIELD LOCATION IF POSSIBLE, OTHERS ARE SHOWN FROM RECORD DATA. THEIR EXACT LOCATION MAY DIFFER FROM THAT AS SHOWN AND OTHERS MAY FAIST.
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- 5. NO BOUNDARY TASKS WERE PERFORMED DURING THIS SURVEY.
- 6. 4"-36" OF SNOW COVER WITH UP TO 10' HIGH SNOW PILES EXISTED DURING PORTIONS OF FIELD SURVEY.

LEGEND

C-1W Sample Plot Location

Photo Location and Direction



APPROXIMATE SCALE IN FEET

Figure Prepared by Terrestrial Environmental Specialists, Inc.

Base Map Provided by CHA Companies

Figure 10-3.

Wetland Survey Map with Plot and Photograph Locations

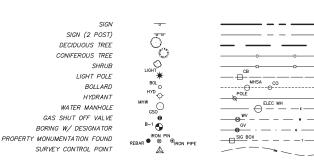
Sheet 3 of 19

TES File: IDA-2033A\2033A-PlotPhoto3.cdr\6-25-2013

MATCH TO SHEET 3 OF 19 **Wetland D Boundary** D-1U * D-18 Non-RPW (258 linear feet) D-119 D-200 D-2W D-2U LANDS N/F TRINITY EVANGELICAL PRESBYTERIAN CHURCH L. 5086 P. 150 T.M.#29-1-28.3 **Approximate** Site Location LANDS N/F TOWN OF CLAY L. 1737 P. 598 T.M.#29-1-6.1

MATCH TO SHEET 5 OF 19

LEGEND:



D-1W

D-101

PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

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- PLAN AND PROFILE DESIGN DRAWINGS FOR ONONDAGA COUNTY'S CLAY-CICERO 24" EFFLUENT FORCE MAIN, PREPARED O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.138, DATED SEPTEMBER 27, 1965.
- PLAN AND PROFILE DESIGN DRAWING S FOR ONONDAGA COUNTY'S DAVIS ROAD 36" FORCE MAIN, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.243, DATED JUNE 27, 1975.

NOTES:

- . BASE MAPPING PREPARED BY CHA FROM A DECEMBER 2012 THROUGH JANUARY 2013 FIELD SURVEY (ROCH. FB.150, P.32).
- NORTH ORIENTATION AND CONTOURS ARE BASED ON GPS
 ESTABLISHED AT THE TIME OF THE SURVEY. REFERENCED TO NAD
 83(CORSPB), NYS-CENTRAL (US FEET) AND NAVD 88 (US FEET)
 USING NYSDOT RTN SYSTEM.
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- 4. SUBJECT TO ANY RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.
- 5. NO BOUNDARY TASKS WERE PERFORMED DURING THIS SURVEY.
- 4"-36" OF SNOW COVER WITH UP TO 10' HIGH SNOW PILES EXISTED DURING PORTIONS OF FIELD SURVEY.

LEGEND

D-1W Sample Plot Location

11 Photo Location and Direction

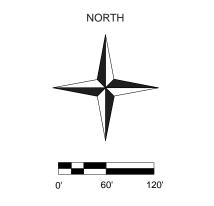


Figure Prepared by Terrestrial Environmental Specialists, Inc.

APPROXIMATE SCALE IN FEET

Base Map Provided by CHA Companies

Figure 10-4.

Wetland Survey Map with Plot and Photograph Locations

Sheet 4 of 19

TES File: IDA-2033A\2033A-PlotPhoto4.cdr\6-26-2013

LANDS N/F ONONDAGA CO. DEPT OF WEP Wetland F D-221 **Boundary Wetland D** ROUTE **Boundary** E E-1W Wetland E **Boundary** LANDS N/F NATALE & ROSETTA IMBESI L. 5200 P. 319 T.M.#59-1-15.1 LANDS N/F CLAY VOLUNTEER FIRE DEPT. INC. L. 3666 P. 148 T.M.#29-1-15.1 LANDS N/F ITY ASSEMBLY OF GOD LEGEND: **Approximate Site Location** PARCEL BOUNDARY LINE SIGN (2 POST) ADJOINING PARCEL LINE DECIDUOUS TREE STREET/HIGHWAY LINE CONIFEROUS TREE CHAIN LINK FENCE LINE SHRLIR STOCKADE FENCE LINE STORM SEWER LINE W/SQUARE CATCH BASIN LIGHT POLE BOLLARD SANITARY SEWER LINE W/MANHOLE AND CLEANOUT OVERHEAD UTILITY LINE W/POWER POLE HYDRANT ELECTRIC LINE W/ELECTRIC MANHOLE WATER MANHOLE GAS SHUT OFF VALVE WATER LINE W/VALVE GAS LINE W/VALVE BORING W/ DESIGNATOR PROPERTY MONUMENTATION FOUND TELEPHONE LINE W/SIGNAL BOX SURVEY CONTROL POINT CONTOUR LINE NOTES: MATCH TO SHEET 6 OF 19 RECORD DRAWINGS UTILIZED: BASE MAPPING PREPARED BY CHA FROM A DECEMBER 2012 OAK ORCHARD FORCE MAIN & EFFLUENT SEWER, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.216, DATED FEBRUARY 7, 1975.

PLAN AND PROFILE RECORD DRAWINGS FOR METRO WATER BOARD'S 54" WATER TRANSMISSION MAIN ALONG 99-FOOT WIDE EASEMENT, PREPARED BY, O'BRIEN & GERE ENGINEERS, INC., FILE No. 446.23, LAST DATED JULY 7, 1965.

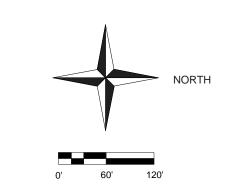
3. PLAN AND PROFILE DESIGN DRAWINGS FOR ONONDAGA COUNTY'S CLAY-CICERO 24" EFFLUENT FORCE MAIN, PREPARED O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.138, DATED SEPTEMBER 27, 1965.

PLAN AND PROFILE DESIGN DRAWING S FOR ONONDAGA COUNTY'S DAVIS ROAD 36"
FORCE MAIN, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.243,
DATED JUNE 27, 1975.

LEGEND

Sample Plot Location

15) Photo Location and Direction



APPROXIMATE SCALE IN FEET

Figure Prepared by Terrestrial Environmental Specialists, Inc.

Base Map Provided by **CHA Companies**

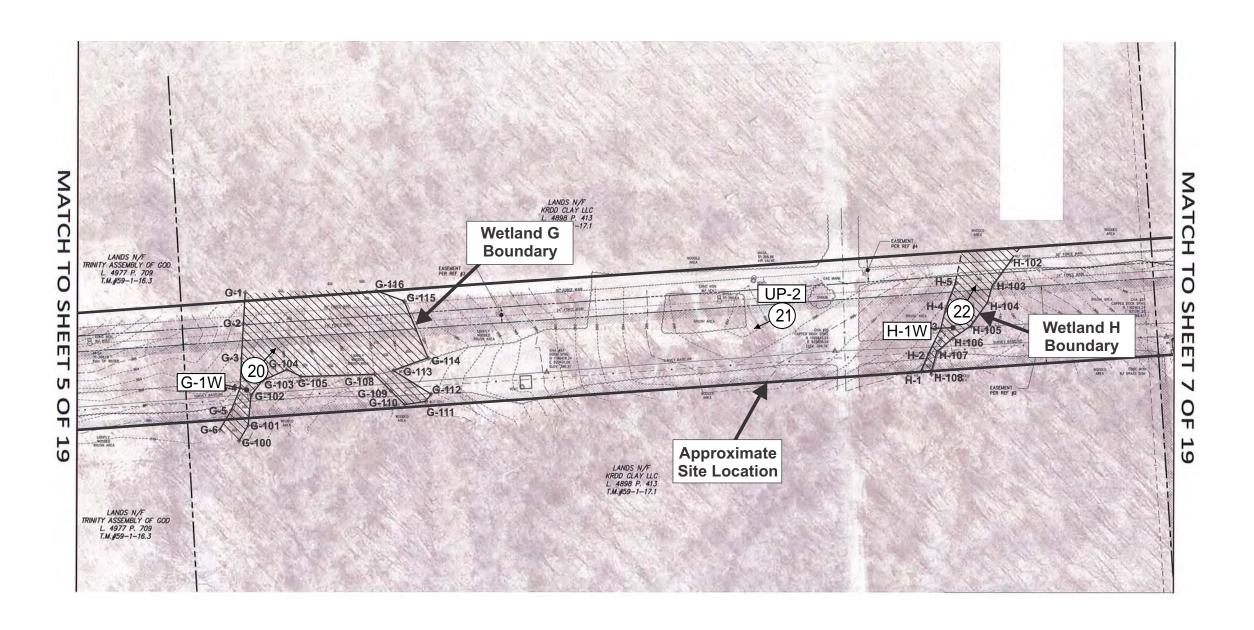
Figure 10-5.

Wetland Survey Map with Plot and **Photograph Locations**

Sheet 5 of 19

TES File: IDA-2033A\2033A-PlotPhoto5.cdr\6-25-2013

- NORTH ORIENTATION AND CONTOURS ARE BASED ON GPS
 ESTABLISHED AT THE TIME OF THE SURVEY. REFERENCED TO NAD
 83(CORS96), NYS-CENTRAL (US FEET) AND NAVD 88 (US FEET)
 USING NYSDOT RTN SYSTEM.
- UNDERGROUND UTILITIES ARE SHOWN FROM FIELD LOCATION IF POSSIBLE, OTHERS ARE SHOWN FROM RECORD DATA. THEIR EXACT LOCATION MAY DIFFER FROM THAT AS SHOWN AND OTHERS MAY EXIST.
- 4. SUBJECT TO ANY RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.
- 5. NO BOUNDARY TASKS WERE PERFORMED DURING THIS SURVEY.
- 6. 4"-36" OF SNOW COVER WITH UP TO 10' HIGH SNOW PILES EXISTED DURING PORTIONS OF FIELD SURVEY.



LEGEND:

SIGN (2 POST)

DECIDUOUS TREE

CONIFEROUS TREE

SHRUB
LIGHT POLE

BOLLARD

HYDRANT

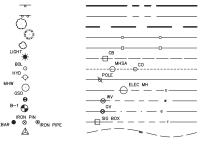
WATER MANHOLE

GAS SHUT OFF VALVE

BORING W/ DESIGNATOR

PROPERTY MONUMENTATION FOUND

SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

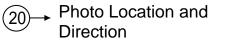
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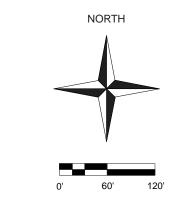
NOTES:

- 1. BASE MAPPING PREPARED BY CHA FROM A DECEMBER 2012
 THROUGH JANUARY 2013 FIFTD SURVEY (ROCH FR 150 P.32
- . NORTH ORIENTATION AND CONTOURS ARE BASED ON GPS ESTABLISHED AT THE TIME OF THE SURVEY. REFERENCED TO NAD 83(CORSOB), NYS-CENTRAL (US FEET) AND NAVD 88 (US FEET) USING NYSDOT RTN SYSTEM.
- . UNDERGROUND UTILITIES ARE SHOWN FROM FIELD LOCATION IF POSSIBLE, OTHERS ARE SHOWN FROM RECORD DATA. THEIR EXACT LOCATION MAY DIFFER FROM THAT AS SHOWN AND OTHERS MAY EXIST.
- 4. SUBJECT TO ANY RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.
- 5. NO BOUNDARY TASKS WERE PERFORMED DURING THIS SURVEY.
- 6. 4"-36" OF SNOW COVER WITH UP TO 10' HIGH SNOW PILES EXISTED DURING PORTIONS OF FIELD SURVEY.

LEGEND

G-1W Sample Plot Location





APPROXIMATE SCALE IN FEET

Figure Prepared by Terrestrial Environmental Specialists, Inc.

Base Map Provided by CHA Companies

Figure 10-6.

Wetland Survey Map with Plot and Photograph Locations

Sheet 6 of 19

TES File: IDA-2033A\2033A-PlotPhoto6.cdr\6-25-2013

LANDS N/F JAMES & BARBARA MILLS L. N/A P. N/A T.M.#59-1-20.1 MATCH MATCH O O SHEET S HE HENRY CLAY BOULEVARD 0 OF 0 T **Approximate** 19 LANDS N/F JAMES & BARBARA MILLS L. N/A P. N/A T.M.#59-1-20.1 19 **Site Location** WANTE MAN

LEGEND:

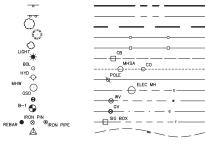
SIGN (2 POST)

DECIDUOUS TREE

CONIFEROUS TREE

SHRUB
LIGHT POLE

BOLLARD
HYDRANT
WATER MANHOLE
GAS SHUT OFF VALVE
BORING W/ DESIGNATOR
PROPERTY MONUMENTATION FOUND
SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

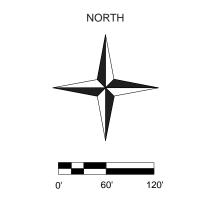
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- 6. 4"-36" OF SNOW COVER WITH UP TO 10' HIGH SNOW PILES EXISTED DURING PORTIONS OF FIELD SURVEY.

LEGEND

23 Photo Location and Direction



APPROXIMATE SCALE IN FEET

Figure Prepared by Terrestrial Environmental Specialists, Inc.

Base Map Provided by CHA Companies

Figure 10-7.

Wetland Survey Map with Plot and Photograph Locations

Sheet 7 of 19

TES File: IDA-2033A\2033A-PlotPhoto7.cdr\6-25-2013

MATCH MATCH LANDS N/F WALRUS ENTERPRISES LLC L. 5068 P. 759 T.M.#61-1-16.3 LANDS N/F MICHAEL & STACY CAPELLA L. 4833 P. 135 T.M.#61-1-22 LANDS N/F NELS & RUTHIE HOFFMAN L. 1971 P. 309 T.M.#61-1-25 LANDS N/F NATALE & ROSETTA IMBESI L. 2760 P. 160 T.M. #61-1-35.2 TO O LANDS N/F ROBERT & CAROL ANNE CARNIFAX L. 1954 P. 655 T.M.#61-1-24 LANDS N/F JAMES & MARILYN SPRAGUE L. 2105 P. 285 T.M.#61-1-23 S SHE HE (25) m 26) 9 OF 0 T 0 LANDS N/F GROUP ONE DEVELOPMENT LLC L. 4783 P. 895 T.M.#61-1-6.1 **Approximate Site Location**

LEGEND:

SIGN (2 POST)

DECIDUOUS TREE

CONIFEROUS TREE

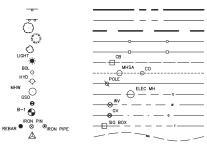
SHRUB
LIGHT POLE

BOLLARD
HYDRANT

WATER MANHOLE
GAS SHUT OFF VALVE
BORING W/ DESIGNATOR

PROPERTY MONUMENTATION FOUND

SURVEY CONTROL. POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

- OAK ORCHARD FORCE MAIN & EFFLUENT SEWER, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.216, DATED FEBRUARY 7, 1975.
- PLAN AND PROFILE RECORD DRAWINGS FOR METRO WATER BOARD'S 54" WATER TRANSMISSION MAIN ALONG 99-FOOT WIDE EASEMENT, PREPARED BY, O'BRIEN & GERE ENGINEERS, INC., FILE No. 446.23, LAST DATED JULY 7, 1965.
- PLAN AND PROFILE DESIGN DRAWINGS FOR ONONDAGA COUNTY'S CLAY-CICERO 24" EFFLUENT FORCE MAIN, PREPARED O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.138, DATED SEPTEMBER 27, 1965.
- PLAN AND PROFILE DESIGN DRAWING S FOR ONONDAGA COUNTY'S DAVIS ROAD 36" FORCE MAIN, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.243, DATED JUNE 27, 1975.

NOTES:

- BASE MAPPING PREPARED BY CHA FROM A DECEMBER 2012
 THROUGH JANUARY 2013 FIFT D SURVEY (ROCH FR 150 P. 32)

 THROUGH JANUARY 2013 FIFT D SURVEY (ROCH FR 150 P. 32)
- NORTH ORIENTATION AND CONTOURS ARE BASED ON GPS ESTABLISHED AT THE TIME OF THE SURVEY. REFERENCED TO NAD 83/CORS96), NYS-CENTRAL (US FEET) AND NAVD 88 (US FEET) USING NYSDOT RTN SYSTEM.
- UNDERGROUND UTILITIES ARE SHOWN FROM FIELD LOCATION IF POSSIBLE, OTHERS ARE SHOWN FROM RECORD DATA. THEIR EXACT LOCATION MAY DIFFER FROM THAT AS SHOWN AND OTHERS MAY EXIST.
- 4. SUBJECT TO ANY RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.
- 5. NO BOUNDARY TASKS WERE PERFORMED DURING THIS SURVEY.
- 6. 4"-36" OF SNOW COVER WITH UP TO 10' HIGH SNOW PILES EXISTED DURING PORTIONS OF FIELD SURVEY.

LEGEND

25 Photo Location and Direction

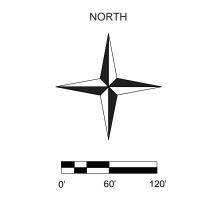


Figure Prepared by Terrestrial Environmental Specialists, Inc.

APPROXIMATE SCALE IN FEET

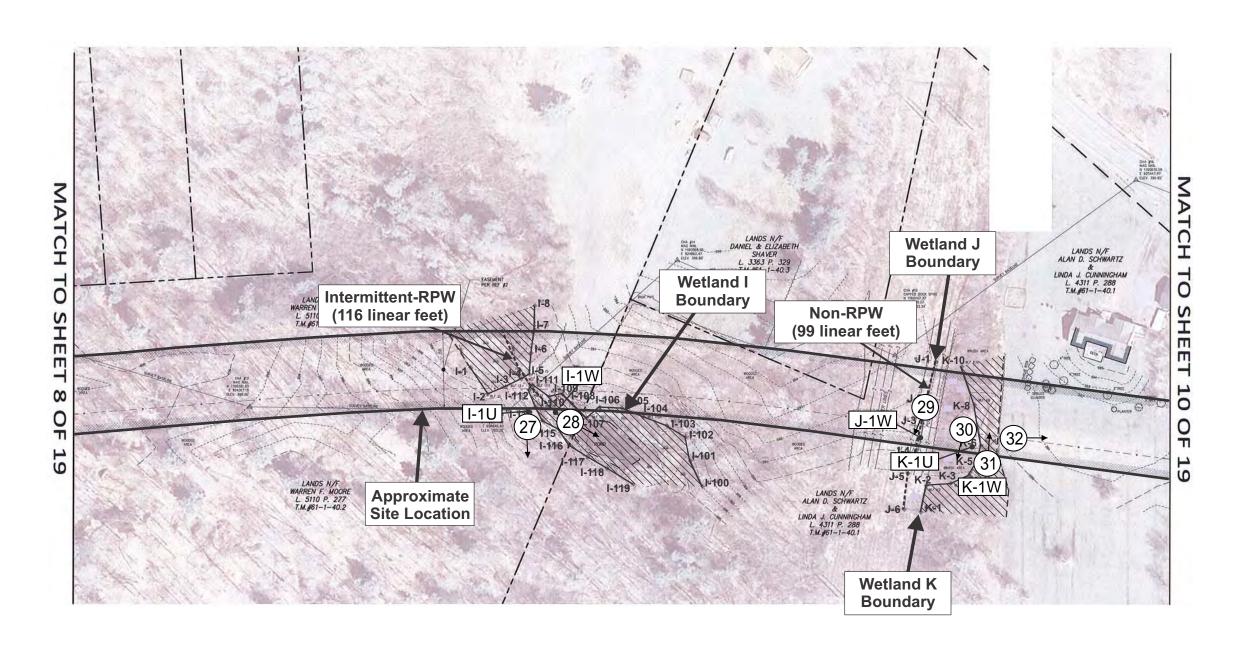
Base Map Provided by CHA Companies

Figure 10-8.

Wetland Survey Map with Plot and Photograph Locations

Sheet 8 of 19

TES File: IDA-2033A\2033A-PlotPhoto8.cdr\6-25-2013



SIGN (2 POST)

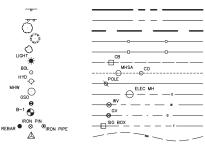
DECIDUOUS TREE

CONIFEROUS TREE

SHRUB
LIGHT POLE

BOLLARD
HYDRANT

WATER MANHOLE
GAS SHUT OFF VALVE
BORING W/ DESIGNATOR
PROPERTY MONUMENTATION FOUND
SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SOUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
FELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

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- PLAN AND PROFILE RECORD DRAWINGS FOR METRO WATER BOARD'S 54" WATER TRANSMISSION MAIN ALONG 99-FOOT WIDE EASEMENT, PREPARED BY, O'BRIEN & GERE ENGINEERS, INC., FILE No. 446.23, LAST DATED JULY 7, 1965.
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NOTES:

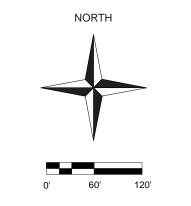
- BASE MAPPING PREPARED BY CHA FROM A DECEMBER 2012
 THROUGH JANUARY 2013 FIFTD SURVEY (ROCH FR 150 P. 32)

 THROUGH JANUARY 2013 FIFTD SURVEY (ROCH FR 150 P. 32)
- . NORTH ORIENTATION AND CONTOURS ARE BASED ON GPS ESTABLISHED AT THE TIME OF THE SURVEY. REFERENCED TO NAD B3ICORSOB), NYS-CENTRAL (US FEET) AND NAVD 88 (US FEET) USING NYSDOT RTN SYSTEM.
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- 4. SUBJECT TO ANY RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.
- 5. NO BOUNDARY TASKS WERE PERFORMED DURING THIS SURVEY.
- 6. 4"-36" OF SNOW COVER WITH UP TO 10' HIGH SNOW PILES EXISTED DURING PORTIONS OF FIELD SURVEY.

LEGEND

I-1W Sample Plot Location

Photo Location and Direction



APPROXIMATE SCALE IN FEET

Figure Prepared by Terrestrial Environmental Specialists, Inc.

Base Map Provided by CHA Companies

Figure 10-9.

Wetland Survey Map with Plot and Photograph Locations

Sheet 9 of 19

TES File: IDA-2033A\2033A-PlotPhoto9.cdr\6-26-2013

MATCH MATCH TO TO GRANGE ROAD S SHE LANDS N/F MICHAEL & DIANE MULCAHY L. 5027 P. 740 T.M.#61-1-41.1 GRANGE ROAD ET 9 OF 19 -(33)O LANDS N/F DAVID & ELEANOR BARKLEY L. 2628 P. 396 T.M.#63-1-4 **Approximate Site Location**

LEGEND:

SIGN (2 POST)

DECIDUOUS TREE

CONIFEROUS TREE

SHRUB
LIGHT POLE

BOLLARD

HYDRANT

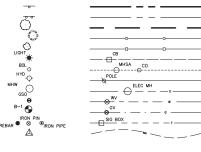
WATER MANHOLE

GAS SHUT OFF VALVE

BORING W/ DESIGNATOR

PROPERTY MONUMENTATION FOUND

SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

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NOTES:

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- 6. 4"-36" OF SNOW COVER WITH UP TO 10' HIGH SNOW PILES EXISTED DURING PORTIONS OF FIELD SURVEY.

LEGEND

Photo Location and Direction

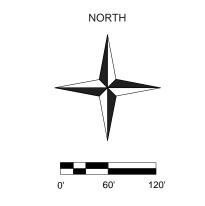


Figure Prepared by Terrestrial Environmental Specialists, Inc.

APPROXIMATE SCALE IN FEET

Base Map Provided by CHA Companies

Figure 10-10.

Wetland Survey Map with Plot and Photograph Locations

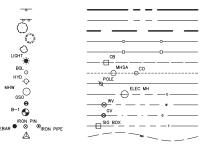
Sheet 10 of 19

TES File: IDA-2033A\2033A-PlotPhoto10.cdr\6-25-2013

GRANGE ROAD MATCH MATCH O 0 S HEE П 0 OF 0 9 **Approximate Site Location**

LEGEND:

SIGN
SIGN (2 POST)
DECIDUOUS TREE
CONIFEROUS TREE
SHRUB
LIGHT POLE
BOLLARD
HYDRANT
WATER MANHOLE
GAS SHUT OFF VALVE
BORING W/ DESIGNATOR
PROPERTY MONUMENTATION FOUND
SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

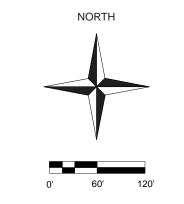
- OAK ORCHARD FORCE MAIN & EFFLUENT SEWER, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.216, DATED FEBRUARY 7, 1975.
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LEGEND

Photo Location and Direction



APPROXIMATE SCALE IN FEET

Figure Prepared by Terrestrial Environmental Specialists, Inc.

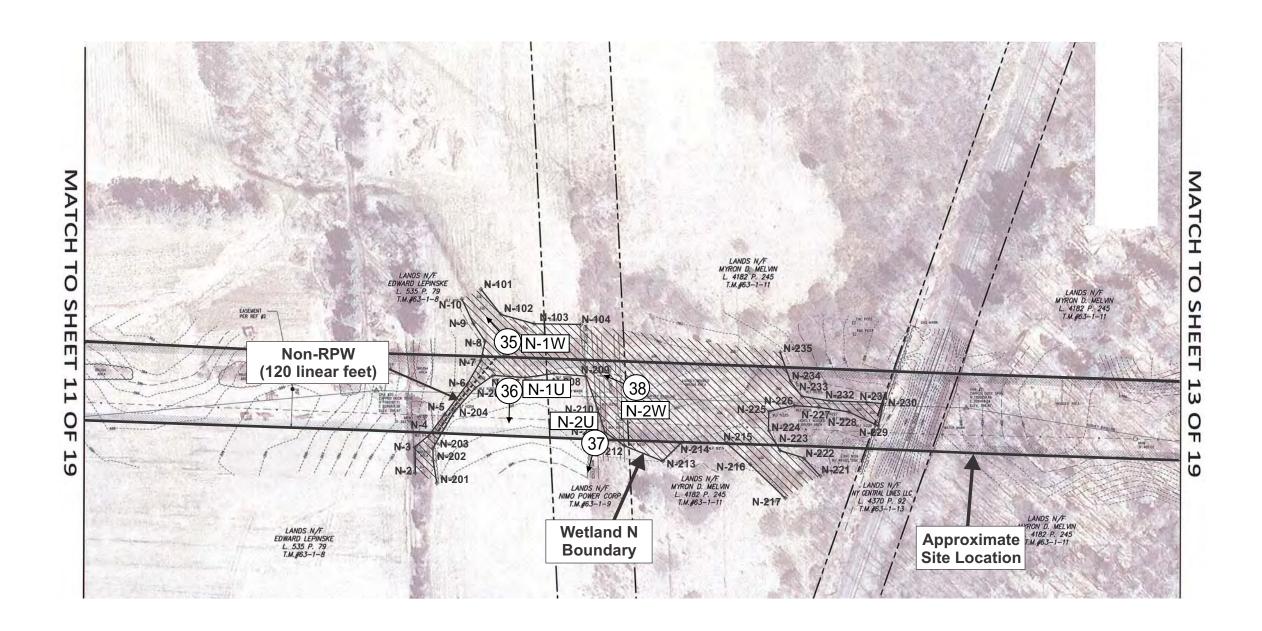
Base Map Provided by CHA Companies

Figure 10-11.

Wetland Survey Map with Plot and Photograph Locations

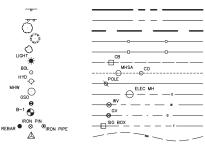
Sheet 11 of 19

TES File: IDA-2033A\2033A-PlotPhoto11.cdr\6-25-2013



SIGN (2 POST)

DECIDUOUS TREE
CONIFEROUS TREE
SHRUB
LIGHT POLE
BOLLARD
HYDRANT
WATER MANHOLE
GAS SHUT OFF VALVE
BORING W/ DESIGNATOR
PROPERTY MONUMENTATION FOUND
SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

- OAK ORCHARD FORCE MAIN & EFFLUENT SEWER, PREPARED BY O'BRIEN & GER FAICHEEPS INC. FILE No. 115 216. DATED FERRILARY 7, 1075.
- PLAN AND PROFILE RECORD DRAWINGS FOR METRO WATER BOARD'S 54" WATER TRANSMISSION MAIN ALONG 99-FOOT WIDE EASEMENT, PREPARED BY, O'BRIEN & GERE ENGINEERS, INC., FILE No. 446.23, LAST DATED JULY 7, 1965.
- PLAN AND PROFILE DESIGN DRAWINGS FOR ONONDAGA COUNTY'S CLAY-CICERO 24" EFFLUENT FORCE MAIN, PREPARED O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.138, DATED SEPTEMBER 27, 1965.
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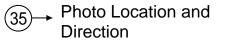
NOTES:

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 THROUGH JANUARY 2013 FIFT D SURVEY (ROCH FR 150 P 32)

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LEGEND

N-1W Sample Plot Location



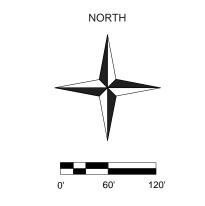


Figure Prepared by Terrestrial Environmental Specialists, Inc.

APPROXIMATE SCALE IN FEET

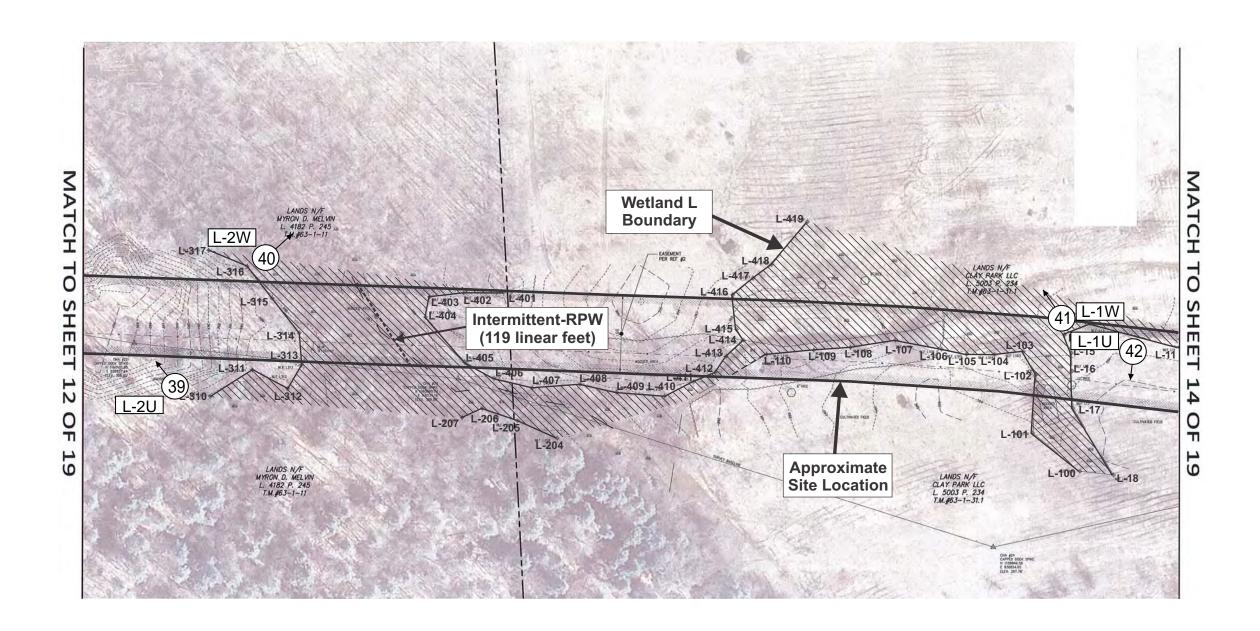
Base Map Provided by CHA Companies

Figure 10-12.

Wetland Survey Map with Plot and Photograph Locations

Sheet 12 of 19

TES File: IDA-2033A\2033A-PlotPhoto12.cdr\6-26-2013



SIGN (2 POST)

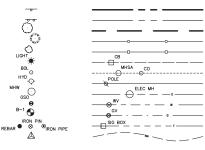
DECIDUOUS TREE

CONIFEROUS TREE

SHRUB
LIGHT POLE

BOLLARD
HYDRANT

WATER MANHOLE
GAS SHUT OFF VALVE
BORING W/ DESIGNATOR
PROPERTY MONUMENTATION FOUND
SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

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NOTES:

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LEGEND

L-1W Sample Plot Location

Photo Location and Direction

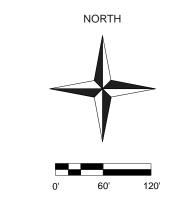


Figure Prepared by Terrestrial Environmental Specialists, Inc.

APPROXIMATE SCALE IN FEET

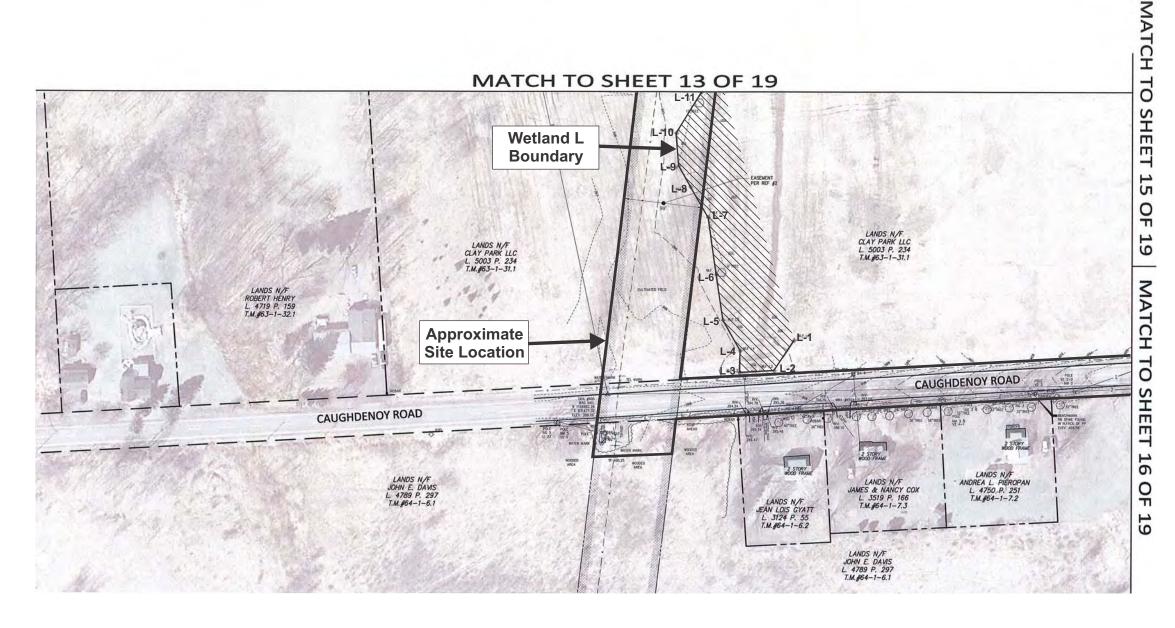
Base Map Provided by CHA Companies

Figure 10-13.

Wetland Survey Map with Plot and Photograph Locations

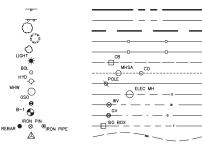
Sheet 13 of 19

TES File: IDA-2033A\2033A-PlotPhoto13.cdr\6-26-2013



SIGN (2 POST)

DECIDUOUS TREE
CONIFEROUS TREE
SHRUB
LIGHT POLE
BOLLARD
HYDRANT
WATER MANHOLE
GAS SHUT OFF VALVE
BORING W/ DESIGNATOR
PROPERTY MONUMENTATION FOUND
SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

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LEGEND

* No Plot or Photo Locations are Included on this Figure

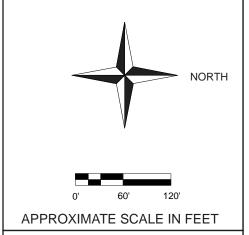


Figure Prepared by Terrestrial Environmental Specialists, Inc.

Base Map Provided by CHA Companies

Figure 10-14.

Wetland Survey Map with Plot and Photograph Locations

Sheet 14 of 19

TES File: IDA-2033A\2033A-PlotPhoto14.cdr\6-25-2013

MATCH TO SHEET 17 OF 19 LANDS N/F ROGER & BRENDA ANDERSON L. 4513 P. 209 T.M.#46-1-3.2 LANDS N/F RODNEY & NANCY MUENCH L. 5015 P. 885 T.M.#46-1-4 **Approximate** Site Location TC LANDS N/F RICHARD J. FRANCESCOTTI L. 4888 P. 156 T.M.#46-1-11.2 I LANDS N/F ROBERT & ELIZABETH HAAHR L. 4757 P. 55 TO THOMAS H. GROME L. 3872 P. 242 T.M.#46-1-5.1 SHE NYS ROUTE 31 m LANDS N/F KOCHER L.3459, P.189 T.M.#63-1-19.2 NYS ROUTE 31 0 OF LANDS N/F DOUGLASS D. KOCHER L. 3459 P. 189 T.M.#63-1-19.1 0

MATCH TO SHEET 14 OF 19

LEGEND:

SIGN (2 POST)

DECIDUOUS TREE

CONIFEROUS TREE

SHRUB
LIGHT POLE

BOLLARD

HYDRANT

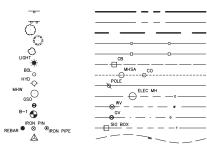
WATER MANHOLE

GAS SHUT OFF VALVE

BORING W/ DESIGNATOR

PROPERTY MONUMENTATION FOUND

SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SOUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

- OAK ORCHARD FORCE MAIN & EFFLUENT SEWER, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.216, DATED FEBRUARY 7, 1975.
- PLAN AND PROFILE RECORD DRAWINGS FOR METRO WATER BOARD'S 54" WATER TRANSMISSION MAIN ALONG 99-FOOT WIDE EASEMENT, PREPARED BY, O'BRIEN & GERE ENGINEERS, INC., FILE No. 446.23, LAST DATED JULY 7, 1965.
- PLAN AND PROFILE DESIGN DRAWINGS FOR ONONDAGA COUNTY'S CLAY-CICERO 24" EFFLUENT FORCE MAIN, PREPARED O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.138, DATED SEPTEMBER 27, 1965.
- PLAN AND PROFILE DESIGN DRAWING S FOR ONONDAGA COUNTY'S DAVIS ROAD 36" FORCE MAIN, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.243, DATED JUNE 27, 1975.

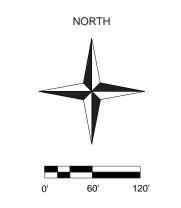
NOTES:

- BASE MAPPING PREPARED BY CHA FROM A DECEMBER 2012
 THROUGH JANUARY 2013 FIFTD SURVEY (ROCH FR 150 P. 32)

 THROUGH JANUARY 2013 FIFTD SURVEY (ROCH FR 150 P. 32)
- . NORTH ORIENTATION AND CONTOURS ARE BASED ON GPS ESTABLISHED AT THE TIME OF THE SURVEY. REFERENCED TO NAD 83(CORS96), NYS-CENTRAL (US FEET) AND NAVD 88 (US FEET) USING NYSDOT RTN SYSTEM.
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- 4. SUBJECT TO ANY RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.
- 5. NO BOUNDARY TASKS WERE PERFORMED DURING THIS SURVEY.
- 6. 4"-36" OF SNOW COVER WITH UP TO 10' HIGH SNOW PILES EXISTED DURING PORTIONS OF FIELD SURVEY.

LEGEND

* No Plot or Photo Locations are Included on this Figure



APPROXIMATE SCALE IN FEET

Figure Prepared by Terrestrial Environmental Specialists, Inc.

Base Map Provided by CHA Companies

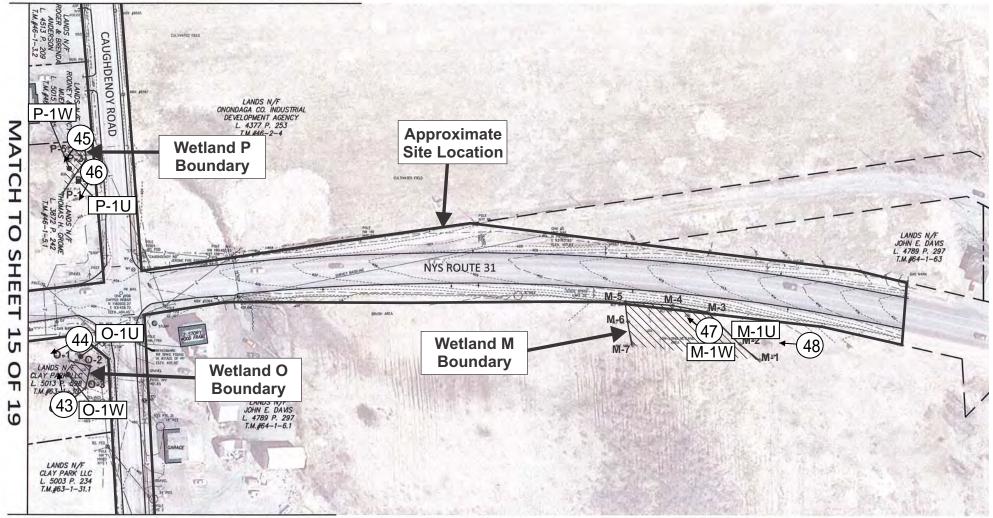
Figure 10-15.

Wetland Survey Map with Plot and Photograph Locations

Sheet 15 of 19

TES File: IDA-2033A\2033A-PlotPhoto15.cdr\6-25-2013

MATCH TO SHEET 17 OF 19



MATCH TO SHEET 14 OF 19

LEGEND:

SIGN (2 POST)

DECIDUOUS TREE

CONIFEROUS TREE

SHRUB
LIGHT POLE

BOLLARD

HYDRANT

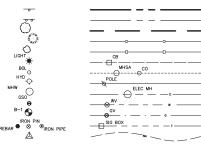
WATER MANHOLE

GAS SHUT OFF VALVE

BORING W/ DESIGNATOR

PROPERTY MONUMENTATION FOUND

SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SOUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

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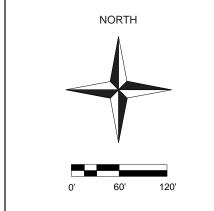
NOTES:

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LEGEND

P-1W Sample Plot Location

Photo Location and Direction



APPROXIMATE SCALE IN FEET

Figure Prepared by Terrestrial Environmental Specialists, Inc.

Base Map Provided by CHA Companies

Figure 10-16.

Wetland Survey Map with Plot and Photograph Locations

Sheet 16 of 19

TES File: IDA-2033A\2033A-PlotPhoto16.cdr\6-25-2013

MATCH LANDS N/F THEODORE & SUSAN WOOLLIS L. 2508 P. 852 T.M.#46-1-8 TO LOMBARDI FAMILY PROP. INC. L. 4864 P. 167 T.M.#46-2-3.2 SHEET MATCH LANDS N/F IRWN & JANET MCINTOSH L. 5128 P. 249 T.M.#46-1-3.3 LANDS N/F CASIMER & SHIRLEY SZOPINSKI L. 2092 P. 19X T.M.#46-1-1 LANDS N/F JOHN T. PLETL L. 4486 P. 191 T.M.#46-1-3.1 LANDS N/F ARION C. SANTIMA L. 3151 P. 169 T.M.#46-1-2 15 **Approximate Site Location** 유 19 (49) UP-3 MATCH CAUGHDENOY ROAD Ш 00 TO SHEET T 0 LANDS N/F ONONDAGA CO. INDUSTRIAL DEVELOPMENT AGENCY L. 4371 P. 35 T.M.#46-2-3.1 16 ONONDAGA CO. INDUSTRIAL DEVELOPMENT AGENCY L. 4377 P. 253 유 19

LEGEND:

SIGN (2 POST)

DECIDUOUS TREE

CONIFEROUS TREE

SHRUB
LIGHT POLE

BOLLARD

HYDRANT

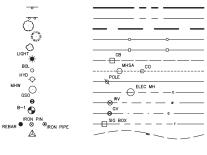
WATER MANHOLE

GAS SHUT OFF VALVE

BORING W/ DESIGNATOR

PROPERTY MONUMENTATION FOUND

SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET,HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SOUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

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NOTES:

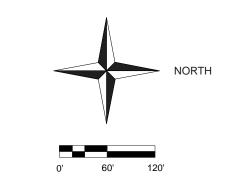
- BASE MAPPING PREPARED BY CHA FROM A DECEMBER 2012
 THROUGH JANUARY 2013 FIFTD SURVEY (ROCH FR 150 P. 32)

 THROUGH JANUARY 2013 FIFTD SURVEY (ROCH FR 150 P. 32)
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LEGEND

UP-3 Sample Plot Location

Photo Location and Direction



APPROXIMATE SCALE IN FEET

Figure Prepared by Terrestrial Environmental Specialists, Inc.

Base Map Provided by CHA Companies

Figure 10-17.

Wetland Survey Map with Plot and Photograph Locations

Sheet 17 of 19

TES File: IDA-2033A\2033A-PlotPhoto17.cdr\6-25-2013

Approximate Site Location CAUGIDENCY ROAD CAUGIDENCY R

LEGEND:

SIGN (2 POST)

DECIDUOUS TREE

CONIFEROUS TREE

SHRUB

LIGHT POLE

BOLLARD

HYDRANT

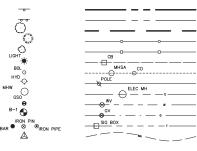
WATER MANHOLE

GAS SHUT OFF VALVE

BORING W/ DESIGNATOR

PROPERTY MONUMENTATION FOUND

SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

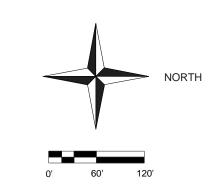
- OAK ORCHARD FORCE MAIN & EFFLUENT SEWER, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.216, DATED FEBRUARY 7, 1975.
- PLAN AND PROFILE RECORD DRAWINGS FOR METRO WATER BOARD'S 54" WATER TRANSMISSION MAIN ALONG 99-FOOT WIDE EASEMENT, PREPARED BY, O'BRIEN & GERE ENGINEERS, INC., FILE No. 446.23, LAST DATED JULY 7, 1965.
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- PLAN AND PROFILE DESIGN DRAWING S FOR ONONDAGA COUNTY'S DAVIS ROAD 36" FORCE MAIN, PREPARED BY O'BRIEN & GERE ENGINEERS, INC., FILE No. 115.243, DATED JUNE 27, 1975.

NOTES:

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LEGEND

* No Plot or Photo Locations are Included on this Figure



APPROXIMATE SCALE IN FEET

Figure Prepared by Terrestrial Environmental Specialists, Inc.

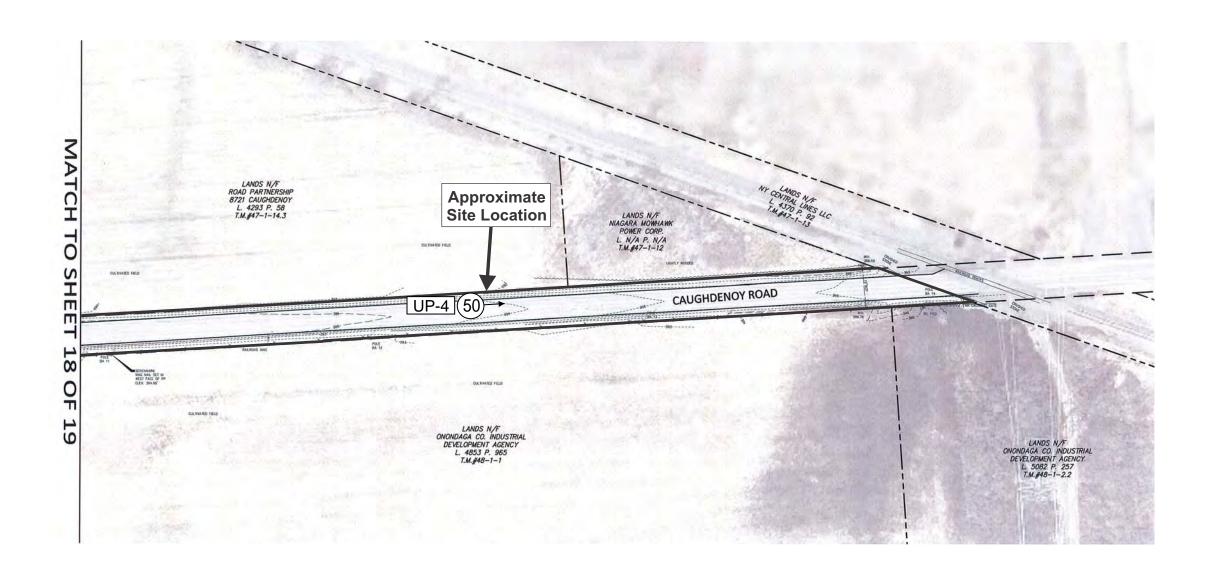
Base Map Provided by CHA Companies

Figure 10-18.

Wetland Survey Map with Plot and Photograph Locations

Sheet 18 of 19

TES File: IDA-2033A\2033A-PlotPhoto18.cdr\6-25-2013



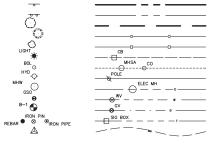
SIGN (2 POST)

DECIDUOUS TREE

CONIFEROUS TREE

SHRUB
LIGHT POLE

BOLLARD
HYDRANT
WATER MANHOLE
GAS SHUT OFF VALVE
BORING W/ DESIGNATOR
PROPERTY MONUMENTATION FOUND
SURVEY CONTROL POINT



PARCEL BOUNDARY LINE
ADJOINING PARCEL LINE
STREET/HIGHWAY LINE
CHAIN LINK FENCE LINE
STOCKADE FENCE LINE
STORM SEWER LINE W/SQUARE CATCH BASIN
SANITARY SEWER LINE W/MANHOLE AND CLEANOUT
OVERHEAD UTILITY LINE W/POWER POLE
ELECTRIC LINE W/ELECTRIC MANHOLE
WATER LINE W/VALVE
GAS LINE W/VALVE
GAS LINE W/VALVE
TELEPHONE LINE W/SIGNAL BOX
CONTOUR LINE

RECORD DRAWINGS UTILIZED:

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NOTES:

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 THROUGH JANUARY 2013 FIFTD SURVEY (ROCH FR 150 P.32)
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LEGEND

UP-4 Sample Plot Location

Photo Location and Direction

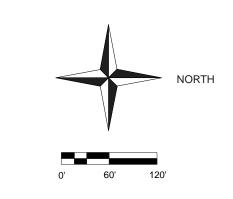


Figure Prepared by Terrestrial Environmental Specialists, Inc.

APPROXIMATE SCALE IN FEET

Base Map Provided by CHA Companies

Figure 10-19.

Wetland Survey Map with Plot and Photograph Locations

Sheet 19 of 19

TES File: IDA-2033A\2033A-PlotPhoto19.cdr\6-25-2013

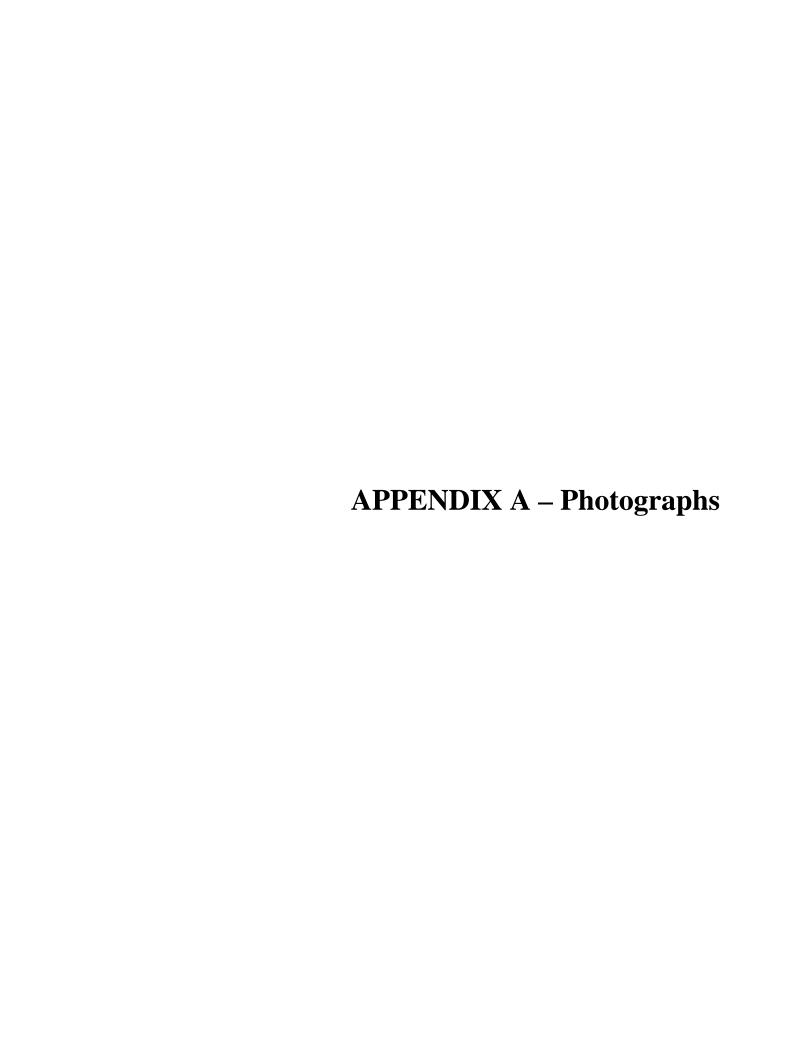






Photo 1. Photo 2





Photo 3. Photo 4.





Photo 5. Photo 6.





Photo 7. Photo 8.



Photo 10.

Photo 9.







Photo 11. Photo 12.





Photo 13. Photo 14





Photo 15. Photo 16.





Photo 17. Photo 18.





Photo 19. Photo 20.





Photo 21. Photo 22.





Photo 23. Photo 24.





Photo 25. Photo 26.





Photo 27. Photo 28.





Photo 29. Photo 30.





Photo 31. Photo 32.





Photo 33. Photo 34.





Photo 35. Photo 36.





Photo 37. Photo 38.





Photo 39. Photo 40.





Photo 41. Photo 42





Photo 43. Photo 44.







Photo 46.



Photo 47.

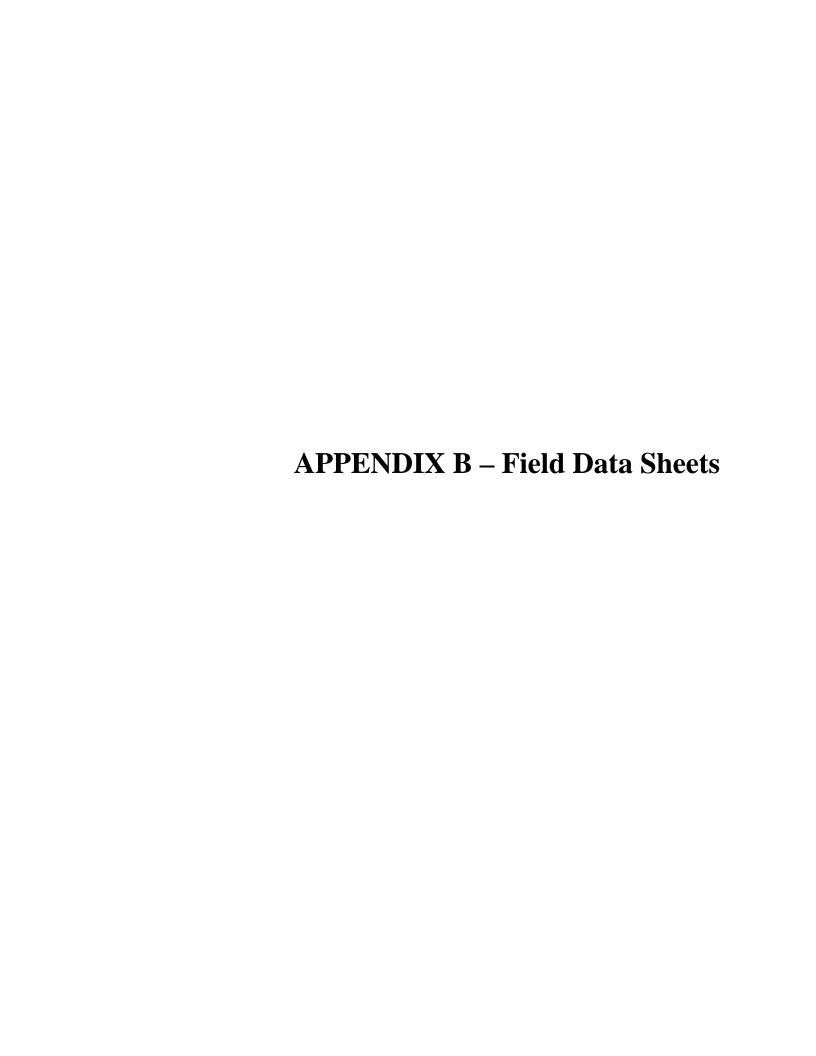


Photo 48.





Photo 49. Photo 50.



WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

vestigator(s): B. Workman, A. Robedee			(hillslope, t	State: NY Sampling Point: A-1U terrace, etc.): Hillside
Map Unit Name: _Dunkirk silt loam, rolling				Cover Type: OF
climatic/hydrologic conditions on the site typical for	this time of year?	Yes	s • No C	
e Vegetation 🔲 , Soil 🗌 , or Hydrology	significantly	disturbed?	Are "N	lormal Circumstances" present? Yes No
· Vegetation 🔲 , Soil 🗌 , or Hydrology	naturally pro	blematic?	(If nee	eded, explain any answers in Remarks.)
ımmary of Findings - Attach site mar	n showing sa	mnling n	oint loc	ations, transects, important features, et
			Sampled A	
ydrophytic Vegetation Present? Yes O No 🕞			n a Wetland	
Hydric Soil Present? Yes No •		If yes, option		al Wetland Site ID:
etland Hydrology Present? Yes O No 🖲) 			
Remarks:				
lag # A-4, Photo # 5NW				
EGETATION - Use scientific names of	plants.	Dominant		
T () () () () () () () () () () () () ()	Absolute	Species? Rel.Strat.	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' Radius)	% Cover	Cover	Status	Number of Dominant Species
1		0.0%		That are OBL, FACW, or FAC: (A)
2		0.0%		Total Number of Dominant
3. <u> </u>		0.0%		Species Across All Strata: (B)
5.		0.0%		Percent of dominant Species
		= Total Cove	er	That Are OBL, FACW, or FAC: 0.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15' Radius)				Prevalence Index worksheet:
1		0.0%		Total % Cover of: Multiply by:
2		0.0%		0BL speci es x 1 =
3 4.		0.0%		FACW species x 2 = 0
4 5.		0.0%		FAC species $0 \times 3 = 0$
	0	= Total Cove		FACU speci es $\frac{122}{}$ x 4 = $\frac{488}{}$
Herb Stratum (Plot size: 5' Radius)		_		UPL species $\frac{5}{}$ x 5 = $\frac{25}{}$
1. Plantago major	55	43.3%	FACU	Column Totals: <u>127</u> (A) <u>513</u> (B)
2. Trifolium pratense		35.4%	FACU	Prevalence Index = B/A = 4.039
3. Taraxacum officinale 4. Lolium perenne	<u>15</u> 2	11.8%	FACU	Hydrophytic Vegetation Indicators:
Phleum pratense		3.9%	FACU FACU	Rapid Test for Hydrophytic Vegetation
6. Galium mollugo		3.9%	UPL	☐ Dominance Test is > 50%
7.	0	0.0%		Prevalence Index is ≤3.0 ¹
8.		0.0%		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
9. 0.		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
U		0.0%		Problematic Hydrophytic Vegetation - (Explain)
Noody Vine Stratum (Plot size:)	127	= Total Cove	er	1 Indicators of hydric soil and wetland hydrology mus
1		0.0%		be present, unless disturbed or problematic.
2.	0	0.0%		Hydrophytic Vegetation
	0	= Total Cove	er_	Present? Yes No •
				T. Control of the Con

Soil Sampling Point: A-1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре (inches) 0-12 10YR 4/3 100% Loam С 12-20 10YR 5/6 98% 10YR 5/4 2% M Silt Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: No 💿 Yes O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 **Wetland Hydrology Present?** Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe)

US Army Corps of Engineers

Remarks:

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

vestigator(s): B. Workman, A. Robedee			(hillslope, t	State: NY Sampling Point: A-1W serrace, etc.): Swale
Map Unit Name: _Dunkirk silt loam, rolling				Cover Type: <u>EW</u>
elimatic/hydrologic conditions on the site typical for			s • No C	
Vegetation , Soil , or Hydrology	significantly	disturbed?	Are "N	ormal Circumstances" present? Yes No
Vegetation . , Soil . , or Hydrology	naturally pro	blematic?	(If nee	eded, explain any answers in Remarks.)
mmary of Findings - Attach site mai	showing sa	mplina p	oint loca	ations, transects, important features, e
rdrophytic Vegetation Present? Yes • No			Sampled A	
Hydric Soil Present? Yes • No		withi	n a Wetland	d? Yes ● No ○
		If yes, option		al Wetland Site ID:
emarks: aq # A-4, Photo # 4SW				
ag // A-4, Frioto // 45W				
EGETATION - Use scientific names of	plants.	Dominant Species?		
Free Stratum (Plot size: 30' Radius)	Absolute % Cover	Rel.Strat. Cover	Indicator Status	Dominance Test worksheet:
		0.0%		Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
· ·		0.0%		That are OBL, FACW, or FAC: (A)
i.		0.0%		Total Number of Dominant Species Across All Strata:1(B)
Į.		0.0%		Species Across Air Strata
5		0.0%		Percent of dominant Species That Are ORL FACW or FAC: 100.0% (A/E
Sapling/Shrub Stratum (Plot size: 15' Radius)		= Total Cove	<u>er</u>	That Are OBL, FACW, or FAC: 100.0% (A/B
				Prevalence Index worksheet:
1 2.		0.0%		Total % Cover of: Multiply by:
2	0	0.0%		OBL species
4.		0.0%		FACW species
5.	0	0.0%		FACU species $0 \times 4 = 0$
Herb Stratum (Plot size: 5' Radius)	0	= Total Cove	er	UPL species
1. Acorus americanus	60	✓ 66.7%	OBL	Column Totals: 90 (A) 135 (B
Onceles concibile		5.6%	FACW	(,
3. Carex sp.	15	16.7%	FAC	Prevalence Index = B/A = 1.500
4. Mentha spicata	5	5.6%	FACW	Hydrophytic Vegetation Indicators:
Bidens sp.	5	5.6%	FACW	Rapid Test for Hydrophytic Vegetation
5.		0.0%		✓ Dominance Test is > 50%
7. 8.		0.0%		✓ Prevalence Index is ≤3.0 ¹
9.		0.0%	-	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
0.		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
		= Total Cove		1
Noody Vine Stratum (Plot size:)				Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic.
1		0.0%		
2		0.0%		Hydrophytic Vegetation Present? Yes No
		= Total Cove	er	Present? Yes WO C
emarks: (Include photo numbers here or on a sepa	rato choot			

Soil Sampling Point: A-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре 0-4 10YR 4/3 100% Silt Loam 4/1 95% С 4-12+ 10YR 10YR 4/4 5% M Silt Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) ✓ Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) ✓ Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) ✓ Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O **Wetland Hydrology Present?** Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

vestigator(s): B. Workman, A. Robedee			(hillslope, t	State: NY Sampling Point: A-1W serrace, etc.): Swale
Map Unit Name: _Dunkirk silt loam, rolling				Cover Type: <u>EW</u>
elimatic/hydrologic conditions on the site typical for			s • No C	
Vegetation , Soil , or Hydrology	significantly	disturbed?	Are "N	ormal Circumstances" present? Yes No
Vegetation . , Soil . , or Hydrology	naturally pro	blematic?	(If nee	eded, explain any answers in Remarks.)
mmary of Findings - Attach site mai	showing sa	mplina p	oint loca	ations, transects, important features, e
rdrophytic Vegetation Present? Yes • No			Sampled A	
Hydric Soil Present? Yes • No		withi	n a Wetland	d? Yes ● No ○
		If yes, option		al Wetland Site ID:
emarks: aq # A-4, Photo # 4SW				
ag // A-4, Frioto // 45W				
EGETATION - Use scientific names of	plants.	Dominant Species?		
Free Stratum (Plot size: 30' Radius)	Absolute % Cover	Rel.Strat. Cover	Indicator Status	Dominance Test worksheet:
		0.0%		Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
· ·		0.0%		That are OBL, FACW, or FAC: (A)
i.		0.0%		Total Number of Dominant Species Across All Strata:1(B)
Į.		0.0%		Species Across Air Strata
5		0.0%		Percent of dominant Species That Are ORL FACW or FAC: 100.0% (A/E
Sapling/Shrub Stratum (Plot size: 15' Radius)		= Total Cove	<u>er</u>	That Are OBL, FACW, or FAC: 100.0% (A/B
				Prevalence Index worksheet:
1 2.		0.0%		Total % Cover of: Multiply by:
2	0	0.0%		OBL species
4.		0.0%		FACW species
5.	0	0.0%		FACU species $0 \times 4 = 0$
Herb Stratum (Plot size: 5' Radius)	0	= Total Cove	er	UPL species
1. Acorus americanus	60	✓ 66.7%	OBL	Column Totals: 90 (A) 135 (B
Onceles concibile		5.6%	FACW	(,
3. Carex sp.	15	16.7%	FAC	Prevalence Index = B/A = 1.500
4. Mentha spicata	5	5.6%	FACW	Hydrophytic Vegetation Indicators:
Bidens sp.	5	5.6%	FACW	Rapid Test for Hydrophytic Vegetation
5.		0.0%		✓ Dominance Test is > 50%
7. 8.		0.0%		✓ Prevalence Index is ≤3.0 ¹
9.		0.0%	-	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
0.		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
		= Total Cove		1
Noody Vine Stratum (Plot size:)				Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic.
1		0.0%		
2		0.0%		Hydrophytic Vegetation Present? Yes No
		= Total Cove	er	Present? Yes WO C
emarks: (Include photo numbers here or on a sepa	rato choot			

Soil Sampling Point: A-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре 0-4 10YR 4/3 100% Silt Loam 4/1 95% С 4-12+ 10YR 10YR 4/4 5% M Silt Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) ✓ Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) ✓ Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) ✓ Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O **Wetland Hydrology Present?** Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

ctigator(c). P. Warkman A. Dahada-	landfa /l-:!!-!	torrage etal). Flat
stigator(s): B. Workman, A. Robedee	Landform (hillslope	, terrace, etc.): Flat
lap Unit Name: Collamer silt loam, 2 to 6 percent slo	ppes	Cover Type: OF
		_
matic/hydrologic conditions on the site typical for thi	s time of year? Yes No	
egetation , Soil , or Hydrology	significantly disturbed? Are "	'Normal Circumstances" present? Yes No
/egetation , Soil , or Hydrology	naturally problematic? (If n	eeded, explain any answers in Remarks.)
nmary of Findings - Attach site map s	howing sampling point lo	cations, transects, important features, e
rophytic Vegetation Present? Yes No •	Is the Sampleo	
rdric Soil Present? Yes O No •	within a Wetla	103 0 110 0
land Hydrology Present? Yes O No •	If yes, optio	nal Wetland Site ID:
marks:		
g # B-3, Photo # 9SE		
GETATION - Use scientific names of pla	ants. Dominant	
OSE SCIENTINE HAMES OF PIC	Species?	Deminance Test weeksheet.
ee Stratum (Plot size: 30' Radius)	% Cover Cover Status	
	0	Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
	0 0.0%	
		Total Number of Dominant Species Across All Strata:1(B)
	0 0.0%	Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/I
ppling/Shrub Stratum (Plot size: 15' Radius)	0 = Total Cover	That Are Obl., FACW, OF FAC.
· · · · · · · · · · · · · · · · · · ·		Prevalence Index worksheet:
		Total % Cover of: Multiply by:
	0	0BL species
	0 0.0%	FACW species x 2 = 0
	0 0.0%	FACI species 0 x 3 = 0 FACI species 15 x 4 = 60
erb Stratum (Plot size: 5' Radius)	0 = Total Cover	1766 Species
		of E specifics — X o - —
. Medicago sativa	95 86.4% UPL	Column Totals: <u>110</u> (A) <u>535</u> (B
Trifolium repens Taraxacum officinale		Prevalence Index = B/A =4.864
· Taraxacum onicinale	5	Hydrophytic Vegetation Indicators:
	0 0.0%	Rapid Test for Hydrophytic Vegetation
	0 0.0%	☐ Dominance Test is > 50%
	0 0.0%	Prevalence Index is ≤3.0 ¹
	0 0.0%	Morphological Adaptations ¹ (Provide supporting
	0	data in Remarks or on a separate sheet)
	00.0%	Problematic Hydrophytic Vegetation ¹ (Explain)
oody Vine Stratum (Plot size:)	110 = Total Cover	1 Indicators of hydric soil and wetland hydrology mu
	0 0.0%	be present, unless disturbed or problematic.
	0 0.0%	Hydrophytic
	0 = Total Cover	Vegetation Present? Yes No

Soil Sampling Point: B-1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре 0-14 10YR 4/3 100% Silt Loam 14-24 10YR 4/4 95% 10YR 5/3 5% D M Silt Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: No 💿 Yes O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 **Wetland Hydrology Present?** Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

climatic/hydrologic conditions on the site typical for this time of year? Very evegetation	Swale
climatic/hydrologic conditions on the site typical for this time of year? Ves No (If no,	
a Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circum or Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain and proposed of the problematic o	Cover Type: WM/Ditch
Prevalence Pre	
No	explain in Remarks.)
Inmary of Findings - Attach site map showing sampling point locations, traderophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes Wetland Ste Yes Wood Wetland Ste Yes Wood No.	nstances" present? Yes No
Is the Sampled Area within a Wetland? Yes Prevalence No Is the Sampled Area within a Wetland? Yes Prevalence If yes, optional Wetland Site Indicator I	any answers in Remarks.)
Agric Soil Present? Yes	ansects, important features, e
Statum (Plot size: 30' Radius)	· · · · ·
Tree Stratum (Plot size: 15' Radius 1.	
Tree Stratum (Plot size: 30' Radius)	ID:
Absolute	
Absolute	
Absolute	
Tree Stratum (Plot size: 30' Radius)	
Downword	Test worksheet:
0	Dominant Species L, FACW, or FAC:1 (A)
0	(A)
Degree of the color of the c	er of Dominant loss All Strata:1 (B)
Description	SS All Strata. (b)
Prevalence Total 2. 0	dominant Species RL FACW or FAC: 100.0% (A/E
1.	BL, FACW, or FAC: 100.0% (A/B
2.	Index worksheet:
3.	% Cover of: Multiply by:
1	s <u>0</u> x 1 = <u>0</u>
5.	
Herb Stratum (Plot size: 5' Radius)	
1. Carex sp. 90	
2. plantago major 2. plantago major 3. Trifolium repens 4. Rumex crispus 5.	- x = - 0
3. Trifolium repens 4. Rumex crispus 5	als: <u>99</u> (A) <u>301</u> (B
4. Rumex crispus 5.	ence Index = B/A = 3.040_
Rapid Since Sin	Vegetation Indicators:
0	Test for Hydrophytic Vegetation
7.	nance Test is > 50%
8. 0 0.0% Morph 9. 0 0.0% Proble 0. 0.0% Proble Noody Vine Stratum (Plot size:) 99 = Total Cover be present 1. 0 0.0% Hydrophyti	ence Index is ≤3.0 ¹
9. 0 0.0% data in 0.0% Proble Woody Vine Stratum (Plot size:) 99 = Total Cover 1 Indicator be present 1. 0 0.0% Hydrophyti	ological Adaptations 1 (Provide supporting
O. O. O.O% Woody Vine Stratum (Plot size:) 99 = Total Cover 1. O O.O% D.O.O% Hydrophytic	n Remarks or on a separate sheet)
Noody Vine Stratum (Plot size:)	matic Hydrophytic Vegetation ¹ (Explain)
1. 0 0.0% Hydrophyti	rs of hydric soil and wetland hydrology mu
O □ 0.0% Hydrophyti	, unless disturbed or problematic.
	ic
0 = Total Cover Present?	IES UNU U
emarks: (Include photo numbers here or on a separate sheet.	

Soil Sampling Point: B-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре (inches) 0-12 10YR 4/2 90% 10YR 4/4 10% С Μ Silt Loam 12-22 10YR 4/3 90% 10YR 6/2 10% D M Silt Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) ✓ Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) ✓ Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) ✓ Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O **Wetland Hydrology Present?** Saturation Present? Yes \bigcirc No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Vegetation , Soil , or Hydrology natural mmary of Findings - Attach site map showing drophytic Vegetation Present? Yes No vegetat	of year? icantly disally problems ong sam bosolute cover 0 0 0 0	Dominant Species? Rel.Strat. Cover 0.0% 0.0% 0.0% Total Cove	Are "No Are "No (If necessary of the control of the	Normal Circumstances" present? Yes No Ceded, explain any answers in Remarks.) cations, transects, important features, early Yes No Oe nal Wetland Site ID:
imatic/hydrologic conditions on the site typical for this time of Vegetation	bsolute Cover	Dominant Species? Rel.Strat. Cover 0.0% 0.0% 0.0% Total Cove	Are "N (If nec	(If no, explain in Remarks.) Normal Circumstances" present? Yes No ededd, explain any answers in Remarks.) Reations, transects, important features, earlier and Yes No and Wetland Site ID: Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC:
Vegetation , Soil , or Hydrology	bsolute Cover	Dominant Species? Rel.Strat. Cover 0.0% 0.0% 0.0% Total Cove	Are "N (If nec	Area dd? Yes No Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of dominant Species FO 09/
Vegetation , Soil , or Hydrology	bsolute Cover	Dominant Species? Rel.Strat. Cover 0.0% 0.0% 0.0% Total Cove	Are "N (If nec	Area dd? Yes No Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of dominant Species FO 09/
Vegetation	bsolute Cover	Dominant Species? Rel.Strat. Cover 0.0% 0.0% 0.0% 0.0% Total Cove	(If nec	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: Percent of dominant Species FO 09/
mmary of Findings - Attach site map showing drophytic Vegetation Present? Yes No vegydric Soil P	psolute Cover	Dominant Species? Rel.Strat. Cover 0.0% 0.0% 0.0% Total Cove	e Sampled An a Wetland	Cations, transects, important features, e Area id? Yes No No No Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of dominant Species
drophytic Vegetation Present? Yes No ydric Soil Present? Yes No tland Hydrology Present? Yes No emarks: ag # C-103, Photo # 13SW EGETATION - Use scientific names of plants. ree Stratum (Plot size: 30' Radius) %	bsolute c Cover	Dominant Species? Rel.Strat. Cover 0.0% 0.0% 0.0% Total Cove	Indicator Status	Area id? Yes No nal Wetland Site ID: Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 2 (B) Percent of dominant Species
ydric Soil Present? tland Hydrology Present? pmarks: ag # C-103, Photo # 13SW EGETATION - Use scientific names of plants. pree Stratum (Plot size: 30' Radius) %	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dominant Species? Rel.Strat. Cover 0.0% 0.0% 0.0% 0.0% Total Cove	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 2 (B) Percent of dominant Species
tland Hydrology Present? Yes No marks: ag # C-103, Photo # 13SW EGETATION - Use scientific names of plants. ree Stratum (Plot size: 30' Radius) %	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dominant Species? Rel.Strat. Cover 0.0% 0.0% 0.0% 0.0% Total Cove	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC:1 (A) Total Number of Dominant Species Across All Strata:2 (B) Percent of dominant Species
emarks: ag # C-103, Photo # 13SW EGETATION - Use scientific names of plants. free Stratum (Plot size: 30' Radius) %6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dominant Species? Rel.Strat. Cover 0.0% 0.0% 0.0% 0.0% Total Cove	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of dominant Species
emarks: ag # C-103, Photo # 13SW EGETATION - Use scientific names of plants. ree Stratum (Plot size: 30' Radius) %6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Species? Rel.Strat. Cover 0.0% 0.0% 0.0% 0.0% 0.0% Total Cove	Status	Number of Dominant Species That are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 2 (B) Percent of dominant Species
EGETATION - Use scientific names of plants. Tree Stratum (Plot size: 30' Radius) %	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Species? Rel.Strat. Cover 0.0% 0.0% 0.0% 0.0% 0.0% Total Cove	Status	Number of Dominant Species That are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 2 (B) Percent of dominant Species
Abbree Stratum (Plot size: 30' Radius) %6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Species? Rel.Strat. Cover 0.0% 0.0% 0.0% 0.0% 0.0% Total Cove	Status	Number of Dominant Species That are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 2 (B) Percent of dominant Species
Abbree Stratum (Plot size: 30' Radius) %6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Species? Rel.Strat. Cover 0.0% 0.0% 0.0% 0.0% 0.0% Total Cove	Status	Number of Dominant Species That are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 2 (B) Percent of dominant Species
Abbree Stratum (Plot size: 30' Radius) %6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Species? Rel.Strat. Cover 0.0% 0.0% 0.0% 0.0% 0.0% Total Cove	Status	Number of Dominant Species That are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 2 (B) Percent of dominant Species
ree Stratum (Plot size: 30' Radius) %	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0% 0.0% 0.0% 0.0% 0.0% Total Cove	Status	Number of Dominant Species That are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 2 (B) Percent of dominant Species
apling/Shrub Stratum (Plot size: 15' Radius)	0	0.0% 0.0% 0.0% 0.0% Total Cove	er	That are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 2 (B) Percent of dominant Species
apling/Shrub Stratum (Plot size: 15' Radius)	0	0.0% 0.0% 0.0% Total Cove	er	Total Number of Dominant Species Across All Strata: Percent of dominant Species 2 (B)
apling/Shrub Stratum (Plot size: 15' Radius)	0	0.0% 0.0% Total Cove	er	Species Across All Strata: 2 (B) Percent of dominant Species
apling/Shrub Stratum (Plot size: 15' Radius)	0 =	0.0% Total Cove	er	Percent of dominant Species
apling/Shrub Stratum (Plot size: 15' Radius)	0 =	Total Cove	er_	
	0 [_	<u>er</u>	That are OBL, FACW, OF FAC:
		7 0 00/		
2. 3.		0.007		Prevalence Index worksheet:
3.	_0			Total % Cover of: Multiply by:
l.		0.0%		0BL species
	0 L	0.0%		FACW species $0 \times 2 = 0$
	0 L 0 [FAC species $35 \times 3 = 105$
		Total Cov		FACU species $\frac{62}{45}$ x 4 = $\frac{248}{335}$
lerb Stratum (Plot size: 5' Radius)				UPL species $\frac{45}{}$ x 5 = $\frac{225}{}$
. Daucus carota	_20	14.1%	UPL	Column Totals: <u>142</u> (A) <u>578</u> (B
2. Lotus corniculatus	_2	1.4%	FACU	Prevalence Index = B/A = 4.070
Achillea millefolium	10	7.0%	FACU	Hydrophytic Vegetation Indicators:
· Trifolium pratense	40	2 8.2% 7.0%	FACU	Rapid Test for Hydrophytic Vegetation
• Plantago major • Medicago sativa	10 L 25 [_FACUUPL	☐ Dominance Test is > 50%
· Carex sp.	35	_	FAC	Prevalence Index is ≤3.0 ¹
3.	0	0.0%		Morphological Adaptations ¹ (Provide supporting
).	0 [0.0%		data in Remarks or on a separate sheet)
	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
Voody Vine Stratum (Plot size:	142 =	Total Cov	er	1 Indicators of hydric soil and wetland hydrology mu
	۰ ۲	0.0%		be present, unless disturbed or problematic.
·	0 L 0 [0.0%		Hydrophytic
·		Total Cove		Vegetation Present? Yes No •
				Trosum.
marks: (Include photo numbers here or on a separate sheet.				

Soil Sampling Point: C-1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Color (moist) % Color (moist) Loc2 **Texture** Remarks (inches) Rocky below 0-14 10YR 4/4 100% Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes 🔾 No • **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: No 💿 Yes O Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 Wetland Hydrology Present? Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

Investigator(s): B. Workman, A. Robedee Landform (hillslope, terrace, etc.): Swale Cover Type: EW	Project/Site: IDA-2033A/OCIDA-Sewer/Road Imp	provements	с	ity/County:	Clay/Ononc	laga	Sampling Date: 2	27-Sep-12
e climate/hydrologic conditions on the site typical for this time of year? **re Vegetation	Applicant/Owner:					State: NY	Sampling Point:	C-1W
e climatic/hydrologic conditions on the site typical for this time of year? Ves ② No ③ (If no, explain in Remarks.) Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? Vere Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? Vere Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? Vere Vegetation Present? Yes ③ No ☐ Is the Sampled Area within a Wetland? Hydrophytic Vegetation Present? Yes ④ No ☐ Is the Sampled Area within a Wetland? Vere Vegetation Present? Yes ④ No ☐ If yes, optional Wetland Site ID. VEGETATION - Use scientific names of plants. Present of Deminant Species That Reading Present? Ves ② No ☐ Deminant Species That Reading Present? Ves ② No ☐ Deminant Species That Reading Present? Ves ③ No ☐ Deminant Species That Reading Present? Ves ③ No ☐ Deminant Species That Reading Present? Ves ③ No ☐ Deminant Species That Reading Present? Ves ③ No ☐ Deminant Species That Reading Present? Ves ③ No ☐ Deminant Species That Reading Present? Ves ⑥ No ☐ Deminant Species That Reading Present? Ves ⑥ No ☐ Deminant Species That Reading Present? Ves ⑥ No ☐ Deminant Species That Reading Present? Ves ⑥ No ☐ Deminant Species That Reading Present? Ves ⑥ No ☐ Deminant Species That Reading Present? Ves ⑥ No ☐ Deminant Species That Reading Present? Ves ⑥ No ☐ Deminant Species That Reading Present? Ves ⑥ No ☐ Deminant Species That Reading Present of dominant Species That Reading Present Present Reading Present Present Reading Present Present Reading Present Present Reading Present Readi	nvestigator(s): B. Workman, A. Robedee			Landform	(hillslope, t	errace, etc.): Swale		
re Vegetation	oil Map Unit Name: _Collamer silt loam, 2 to	6 percent slopes				Cover Type	e: <u>EW</u>	
No	e climatic/hydrologic conditions on the site t	ypical for this tim	e of year	·? Yes	s • No	(If no, explain ir	ı Remarks.)	
Summary of Findings - Attach site map showing sampling point locations, transects, important features, Hydrophytic Vegetation Present? Hydrophytic Vegetation Present? Yes No	Are Vegetation $\ \square$, Soil $\ \square$, or Hydi	rology 🗌 sigr	nificantly	disturbed?	Are "N	ormal Circumstances"	present? Yes •	No \bigcirc
	re Vegetation 🔲 , Soil 🗌 , or Hydi	rology 🗌 nat	urally pro	oblematic?	(If nee	eded, explain any answ	ers in Remarks.)	
Wettand Hydrology Present? Yes			ing sa				s, important fea	tures, et
Ves		_						
Percent of dominant Species Status Statu	(2)			If	yes, option	al Wetland Site ID:		
VEGETATION - Use scientific names of plants. Species 7 Rel. Strat. Species 8 Species		No U						
VEGETATION - Use scientific names of plants.								
Tree Stratum (Plot size: 30' Radius)	Flag # C-3, Photo # 125							
Absolute Species Tries Stratum (Plot size: 30' Radius) Absolute Species Cover Cover Status Cover C								
Absolute Rel Stratu Cover Cov	VEGETATION - Use scientific na	ames of plants						
1. Populus deltoides 10	Tree Stratum (District 20 Padius			Rel.Strat.		Dominance Test work	ksheet:	
2. Fraxinus pennsylvanica 3.		-						
3.	2			_		That are OBL, FACW, or	r FAC:3_	(A)
4.					FACW	Total Number of Domin		
5. 0						Species Across All Strata	a: <u>3</u>	(B)
That Are OBL, FACW, or FAC: 100.0% A						Percent of dominant	Species	
1.					er	That Are OBL, FACW	, or FAC:)%(A/B)
2. 3. 4. 5. Herb Stratum (Plot size: 5' Radius) 1. Phragmites australis 2. 3. 4. 5. How by a subtralis 100	Sapling/Shrub Stratum (Plot size: 15' Radius)			_	Prevalence Index wor	rksheet:	
2.	1		0	0.0%		Total % Cover	of: Multiply by:	
4.	2		0	0.0%		OBL speci es	0 x 1 =	0
FAC species 10	3		0	0.0%		FACW species	105 x 2 = _2	210
Herb Stratum (Plot size: 5' Radius)			0	0.0%		FAC speci es	<u>10</u> x 3 =	30
1. Phragmites australis 1. Prevalence Index = B/A = 2.087 1. Phydrophytic Vegetation Indicators: 1. Rapid Test for Hydrophytic Vegetation 1. Do □ 0.0% 1. Phragmites australis 1. Do □ 0.0% 1. Provides in Phydrophytic Vegetation 1 (Explain also in Remarks or on a separate sheet) 1. Indicators of hydric soil and wetland hydrology made be present, unless disturbed or problematic. 1. Indicators of hydric soil and wetland hydrology made be present, unless disturbed or problematic. 1. Hydrophytic Vegetation 1. Provides in Phydrophytic Vegetation 1 (Explain also in Phydrophytic Vegetation australis in Phydrophytic Vegetation Present? Yes No □	5		0	0.0%		FACU speci es	<u> </u>	0
2.	Herb Stratum (Plot size: 5' Radius)			= Total Cove	er	UPL speci es —	<u> </u>	0
3. 4. 5. 6. 7. 8. 9. 10.0% 9. 10.0% 11.00 10.0% 12.00% 12.00% 13.00% 14.drophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test is > 50% Prevalence Index = B/A = 2.08/ Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain temperature) Indicators of hydric soil and wetland hydrology metal be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes No O	1. Phragmites australis		100	1 00.0%	FACW	Column Totals: _	115 (A) _2	240 (B)
3.			0	0.0%		Prevalence Index	x = B/A = 2.08	37
1. 0 0.0%			0	0.0%				
6. 0 0.0% 7. 0 0.0% 8. 0 0.0% 9. 10. Woody Vine Stratum (Plot size:) 1. 0 0.0% 0 0.0% 1. 0 0.0% 1. 0 0.0% 1. 0 0.0% 1. 0 0.0% 1. 1. 0 0.0% 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			0	0.0%				n
7.						•		•
8. 0 0.0% Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 10. 0 0.0% Problematic Hydrophytic Vegetation ¹ (Explain 1. 0 0.0% D.0% Depresent, unless disturbed or problematic. 1. 0 0.0% Hydrophytic Vegetation Present? Yes No								
9.								cupporting
10.								
Woody Vine Stratum (Plot size:) 100 = Total Cover be present, unless disturbed or problematic. 1. 0 □ 0.0% Hydrophytic Vegetation Present? Yes No ○						Problematic Hyd	drophytic Vegetation 1	(Explain)
1	Mondy Vine Stratum (Diet size)	```			er	1		
2								
Vegetation Present? Yes No						Hydrophytic		
	۷					Vegetation	O No	
Remarks: (Include photo numbers here or on a separate sheet.				= Total Cove	<u>er</u>	Present? 1es		
Remarks. (Theraue photo numbers here or on a separate sheet.	Domarke, (Include phate numbers have have	un a congrete el				<u>.</u>		
	Remarks: (include photo numbers here or o	ıı a separate s n ee	ı.					

Soil Sampling Point: C-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks (inches) 0-12 10YR 3/2 95% 7.5YR 4/6 5% Silt Loam 4/1 7.5YR 4/4 12-16+ 10YR 90% 10% Silty Clay Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) ✓ Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ✓ Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) ✓ Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) ✓ Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: No O Yes Depth (inches): Surface Water Present? 3 Yes O No 💿 Water Table Present? Depth (inches): Yes No O Wetland Hydrology Present? Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Project/Site: _IDA-2033A/OCIDA-Sewer/Road Improvement	ts Cit	y/County:	Clay/Ononc	daga Sampling Date: 27-Sep-12
applicant/Owner:				State: NY Sampling Point: D-1U
nvestigator(s): B. Workman, A. Robedee		Landform	(hillslope, t	terrace, etc.): Hillside
oil Map Unit Name: _Dunkirk silt loam, rolling				Cover Type: OF
			O (
e climatic/hydrologic conditions on the site typical for			s ● No C	
re Vegetation , Soil , or Hydrology				· · · · · · · · · · · · · · · · · · ·
re Vegetation				eded, explain any answers in Remarks.) ations, transects, important features, et
Hydrophytic Vegetation Present? Yes No		Is the	Sampled A	Area
Hydric Soil Present? Yes No			n a Wetland	103 3 110 3
Netland Hydrology Present? Yes No		If	yes, optiona	al Wetland Site ID:
Remarks:				
Flag # D-106, Photo # 17S				
VECETATION Has asignific names of	f mlamba	Dt		
VEGETATION - Use scientific names of	<u> </u>	Dominant Species?		
Tree Stratum (Plot size: 30' Radius)	Absolute % Cover	Rel.Strat. Cover	Indicator Status	Dominance Test worksheet:
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC:1 (A)
2		0.0%		That are OBL, FACW, OF FAC.
3.		0.0%		Total Number of Dominant Species Across All Strata:
4.		0.0%		Species Across All Strata: Z (B)
5.	0	0.0%		Percent of dominant Species That Are ORL FACW or FAC: 50.0% (A/B)
451 P 11	0	= Total Cove	<u>er</u>	That Are OBL, FACW, or FAC:(A/B)
Sapling/Shrub Stratum (Plot size: 15' Radius)				Prevalence Index worksheet:
1		0.0%		Total % Cover of: Multiply by:
2		0.0%		0BL speci es x 1 =0
3		<u> </u>		FACW species x 2 =40
4 5.		0.0%		FAC species 45 x 3 = 135
	0	0.0% = Total Cove		FACU speci es $60 \times 4 = 240$
Herb Stratum (Plot size: 5' Radius)		Total Cove	<u>:1</u>	UPL species $\frac{15}{}$ x 5 = $\frac{75}{}$
1. Symphyotrichum novae-angliae		14.3%	FACW	Column Totals: <u>140</u> (A) <u>490</u> (B)
2. Daucus carota		7.1%	UPL	Prevalence Index = B/A = 3.500
3. Solidago canadensis		21.4%	FACU	Hydrophytic Vegetation Indicators:
4. Galium mollugo		3.6%	UPL	Rapid Test for Hydrophytic Vegetation
Achillea millefolium Plantago major		3.6%	FACU	☐ Dominance Test is > 50%
7. Taraxacum officinale	<u>15</u> 10	10.7% 7.1%	FACU FACU	Prevalence Index is ≤3.0 ¹
8. Carex sp.		32.1%	FAC	Morphological Adaptations ¹ (Provide supporting
9.		0.0%		data in Remarks or on a separate sheet)
10.	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)	140	= Total Cove	er_	1 Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
1 2.		0.0%		Hydrophytic
۷	0	 = Total Cove		Vegetation Present? Yes No No
		- TOTAL COVE	·1	rieseitt:
Remarks: (Include photo numbers here or on a separ	rate sheet	·		
	. 2.0 31.001.			

Soil Sampling Point: D-1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Color (moist) % Color (moist) Loc2 **Texture** Remarks 0-10 10YR 4/3 100% Silty Clay Loam 10-20+ 10YR 4/4 100% Silty Clay Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes 🔾 No 💿 **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: No 💿 Yes O Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 Wetland Hydrology Present? Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

Project/Site: IDA-2033A/OCIDA-Sewer/Road Improvements	City/County:	Clay/Onond	laga Sampling Date: 27-Sep-12
applicant/Owner:			State: NY Sampling Point: D-1W
nvestigator(s): B. Workman, A. Robedee	Landform	(hillslope, to	errace, etc.): Swale
oil Map Unit Name:			Cover Type: <u>WM</u>
e climatic/hydrologic conditions on the site typical for	_	s ● No C	
re Vegetation , Soil , or Hydrology		Are "No	ormal Circumstances" present? Yes No
re Vegetation			eded, explain any answers in Remarks.) ations, transects, important features, et
Hydrophytic Vegetation Present? Yes No) Is the	e Sampled A	Area
Hydric Soil Present? Yes ● No ○)		
Wetland Hydrology Present? Yes No	'	r yes, optiona	al Wetland Site ID:
Remarks:			
Flag # D-2, Photo # 16NW			
VEGETATION - Use scientific names of	plants. Dominant	t	
VEGETATION 536 Scientific names of	Species? Absolute Rel.Strat.		Dominance Test worksheet:
Tree Stratum (Plot size: 30' Radius)	% Cover Cover	Status	Dominarios rest worksheet.
1	0 0.0%		Number of Dominant Species That are OBL, FACW, or FAC:1 (A)
2			Tabel Number of Densiness
3	0		Total Number of Dominant Species Across All Strata:1 (B)
4		- ——	Descent of deminerat Conscion
5	0 0.0%	- ——	Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15' Radius)	0 = Total Cov	<u>er</u>	
1	0		Prevalence Index worksheet: Total % Cover of: Multiply by:
2.	0		0BL species 0 x 1 = 0
3.			FACW species 90 x 2 = 180
4.	0 0.0%		FAC species 15 x 3 = 45
5.	0 0.0%		FACU speci es $0 \times 4 = 0$
Herb Stratum (Plot size: 5' Radius)	0 = Total Cov	er	UPL species $\frac{0}{\sqrt{3}} \times 5 = \frac{0}{\sqrt{3}}$
1. Phalaris arundinacea	90 🗸 85.7%	FACW	Column Totals:105 (A)225 (B)
2. Carex sp.	10 0 59/	FAC	Prevalence Index = $B/A = 2.143$
3. Ranunculus sp.	E 199/	FAC	
4.	0 0.0%		Hydrophytic Vegetation Indicators:
5.	00.0%_		Rapid Test for Hydrophytic Vegetation Dominance Test is > 50%
6. 7.	0 0.0%		✓ Dominance Test is > 50% ✓ Prevalence Index is ≤3.0 ¹
8.	0 0.0%		Morphological Adaptations ¹ (Provide supporting
9.	0 0.0%		data in Remarks or on a separate sheet)
10.	0 0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vino Stratum / Dlot size:	105 = Total Cov	 er	1 Indicators of budge and and and
Woody Vine Stratum (Plot size:)			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1		- —	Hydrophytic
2	0		Vegetation Var A Na C
	0 = Total Cov	er	Present? Yes No
Remarks: (Include photo numbers here or on a separa	ate sheet		
Remarks. (Historia prioto Humbers fiere of on a separ	are silect.		

Soil Sampling Point: D-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks (inches) 0-10 10YR 3/2 80% 10YR 4/6 20% Silty Clay Loam 10-16+ 10YR 6/2 80% 10YR 4/6 20% Clay Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) ✓ Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ✓ Surface Water (A1) ■ Water-Stained Leaves (B9) ✓ Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Marl Deposits (B15) ✓ Saturation (A3) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: No O Yes Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O Wetland Hydrology Present? Saturation Present? Yes No O Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

vestigator(s): B. Workman, A. Robedee			(hillslope, t	State: NY Sampling Point: D-2U terrace, etc.): Hillside
Map Unit Name: _Dunkirk silt loam, rolling				Cover Type: OF
climatic/hydrologic conditions on the site typical for			s • No C	
e Vegetation	significantly	disturbed?	Are "N	lormal Circumstances" present? Yes No
e Vegetation ☐ , Soil ☐ , or Hydrology ☐	naturally pro	blematic?	(If nee	eded, explain any answers in Remarks.)
ımmary of Findings - Attach site mar	showing sa	mnlina n	oint loc:	ations, transects, important features, et
	_		Sampled A	
			n a Wetland	
0 6		II	yes, optiona	al Wetland Site ID:
etland Hydrology Present? Yes O No 🗨	,			
Remarks:				
lag # D-210, Photo # 21SE				
'EGETATION - Use scientific names of	plants.	Dominant Species?		
Tree Charles (District 20 Podius)	Absolute	Rel.Strat.	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' Radius)	% Cover		Status	Number of Dominant Species
1		0.0%		That are OBL, FACW, or FAC: (A)
2. 3.		0.0%		Total Number of Dominant
ł.		0.0%		Species Across All Strata:1 (B)
5.	0	0.0%		Percent of dominant Species
		= Total Cove	er	That Are OBL, FACW, or FAC: 0.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15' Radius)				Prevalence Index worksheet:
1		0.0%		Total % Cover of: Multiply by:
2		0.0%		0BL speci es x 1 =
3 4.		0.0%		FACW species x 2 =
4 5.		0.0%		FAC species $7 \times 3 = 21$
	0	= Total Cove		FACU speci es $92 \times 4 = 368$
Herb Stratum (Plot size: 5' Radius)				UPL species $\frac{15}{}$ x 5 = $\frac{75}{}$
1. Solidago canadensis		68.5%	FACU	Column Totals: <u>124</u> (A) <u>484</u> (B)
2. Symphyotrichum novae-angliae		8.1%	FACW	Prevalence Index = B/A = 3.903
3. Toxicodendron radicans 4. Asclepias syriaca		12.1%	FAC UPL	Hydrophytic Vegetation Indicators:
5. Vitis riparia		1.6%	FAC	Rapid Test for Hydrophytic Vegetation
6. Rubus idaeus		4.0%	FACU	☐ Dominance Test is > 50%
7. Achillea millefolium	2	1.6%	FACU	Prevalence Index is ≤3.0 ¹
8.	0	0.0%		Morphological Adaptations ¹ (Provide supporting
9.		0.0%		data in Remarks or on a separate sheet)
0.		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)		= Total Cove	er	¹ Indicators of hydric soil and wetland hydrology mus
1	0	0.0%		be present, unless disturbed or problematic.
2.	0	0.0%		Hydrophytic Vegetation
	0	= Total Cove	er	Present? Yes No No
				I .

Soil Sampling Point: D-2U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Color (moist) % Color (moist) Loc2 **Texture** Remarks (inches) 0-13 10YR 4/3 100% Silt Loam Rocky below 13-20 10YR 5/3 100% Silt Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes 🔾 No • **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: No 💿 Yes O Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 Wetland Hydrology Present? Saturation Present? Yes \bigcirc No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

State:	Project/Site: IDA-2033A/OCIDA-Sewer/Road Improve	ements C	ity/County:	Clay/Onond	daga Sampling Date: 27-Sep-12
e climatic/hydrologic conditions on the site typical for this time of year? re Vegetation _ Soil _ or Hydrology _ significantly disturbed?	pplicant/Owner:				State: NY Sampling Point: D-2W
sclimatic/hydrologic conditions on the site typical for this time of year? Yes veyeptation	nvestigator(s): B. Workman, A. Robedee		Landform	(hillslope, t	errace, etc.): Toeslope
Prevented	oil Map Unit Name: Wayland silt loam				Cover Type:DFW
Summary of Findings - Attach site map showing sampling point locations, transects, important features, et	e climatic/hydrologic conditions on the site typica	al for this time of year	? Yes	s • No	(If no, explain in Remarks.)
Summary of Findings - Attach site map showing sampling point locations, transects, important features, et hydrophytic Vegetation Present? Yes	Are Vegetation $\ \square$, Soil $\ \square$, or Hydrolog	gy 🗌 significantly	disturbed?	Are "N	ormal Circumstances" present? Yes No
	re Vegetation 🔲 , Soil 🗌 , or Hydrolog	yy 🔲 naturally pro	blematic?	(If nee	eded, explain any answers in Remarks.)
Wetland Hydrology Present? Yes	Summary of Findings - Attach site r	map showing sa	mpling p	oint loc	ations, transects, important features, et
Wetland Hydrotogy Present? Yes No No	_	_			Area d? Yes ● No ○
No	• • • • • • • • • • • • • • • • • • • •		If	yes, optiona	
VEGETATION - Use scientific names of plants Species True Stratum (Plot size: 30' Radius) Absolute Species Rel. Strat. Species Species Species Status Species	Wetland Hydrology Present? Yes N	<u>√√</u>			
Tree Stratum					
Absolute Species Indicator Cover Co	Flag # D-210, Photo # 22				
Absolute Species Indicator Cover Co					
Absolute Rel.Strat. Cover Scover Scov	VEGETATION - Use scientific name	es of plants.			
1. Acer saccharinum		Absolute	•	Indicator	Dominance Test worksheet:
1. Acer saccharinum 1. Septimum pennsylvanica 1. Septimum pennsylvanica	Tree Stratum (Plot size: 30' Radius)	% Cover		Status	
3.			85.0%	FACW	
3. 0				FACW	Total Number of Dominant
Doctor					,
That Are OBL, FACW, or FAC: 100.0%					Percent of dominant Species
Sapling/Shrub Stratum (Plot size: 15' Radius) 1. Rhamnus cathartica 10 ✓ 37.0% FAC FACW 55.6% FACW 75.5% FA	J				100.00%
1. Rhamnus cathartica 10	Sapling/Shrub Stratum (Plot size: 15' Radius		- Total cove	:1	Provalence Index worksheet:
2. Cornus amomum 15	1. Rhamnus cathartica	10	✓ 37.0%	FAC	
3. Salix sp. 2	2				0BL species 5 x 1 = 5
4.			7.4%	FACW	
Herb Stratum (Plot size: 5' Radius 27		0	0.0%		
1. Onoclea sensibilis 2. Iris versicolor 3. Lysimachia nummularia 4. 0 0 0.0% 5. 0 0.0% 6. 0 0.0% 7. 0 0 0.0% 8. 0 0 0.0% 9. 0 0.0% 10. 0 0.0% Woody Vine Stratum (Plot size: 30' Radius) 1. Vitis riparia 1. Vitis riparia 2. 1 Staduds 35	5		0.0%		FACU speci es $0 \times 4 = 0$
1. Onoclea sensibilis 2. Iris versicolor 3. Lysimachia nummularia 4. 0	Herb Stratum (Plot size: 5' Radius)		= Total Cove	er_	
3. Lysimachia nummularia 4.	1. Onoclea sensibilis	35	✓ 63.6%	FACW	•
3. Lysimachia nummularia 15 ✓ 27.3% FACW 4. 0 0.0% Hydrophytic Vegetation Indicators: 5. 0 0.0% Dominance Test is > 50% 7. 0 0.0% Prevalence Index is ≤ 3.0 ¹ 8. 0 0.0% Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 10. 0 0.0% Problematic Hydrophytic Vegetation ¹ (Explain) 1. Vitis riparia 15 100.0% FAC 1. Vitis riparia 15 100.0% FAC 1. Vitis riparia 15 100.0% Hydrophytic Vegetation Indicators: 1. Vitis riparia 15 100.0% Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 2. 0 0.0% Hydrophytic Vegetation Present? Yes No	2. Iris versicolor	5	9.1%	OBL	Prevalence Index = R/Δ = 2.102
1.	3. Lysimachia nummularia	15	✓ 27.3%	FACW	
6. 7. 8. 9. 10. 00.0% 9. 10. Woody Vine Stratum (Plot size: 30' Radius) 1. Vitis riparia 1. Vitis riparia 2. Dominance Test is > 50% Prevalence Index is ≤3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Yes No		0	0.0%		
7. 8. 0		0	0.0%		
8. 0 0.0% Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) 10. 0 0.0% Problematic Hydrophytic Vegetation 1 (Explain) 1. Vitis riparia 15					
9.					
10.					
Woody Vine Stratum (Plot size: 30' Radius) 1. Vitis riparia 2.					Problematic Hydrophytic Vegetation ¹ (Explain)
1. Vitis riparia 1. Tidicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 1. Hydrophytic Vegetation Present? 1. Ves No	Warden View Charles (Diet size, 20) Doding				1
2					
Vegetation Present? Yes ● No ○				FAC	Hydrophytic
	۷				Vegetation Var A Na O
Domarke: (Include phote numbers here or on a congrate sheet		15	= Iotal Cove	er_	Present? 163 C NO C
	Domarko, (Include whate womb	congrate check			

Soil Sampling Point: D-2W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре (inches) 0-10 10YR 3/2 100% Loam 5/1 С 10-20 10YR 90% 10YR 4/4 10% M Silty Clay Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) ✓ Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Marl Deposits (B15) Saturation (A3) Dry Season Water Table (C2) ✓ Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) ✓ Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) ✓ Saturation Visible on Aerial Imagery (C9) ✓ Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ✓ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O **Wetland Hydrology Present?** Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

US Army Corps of Engineers

roject/Site: IDA-2033A/OCIDA-Sewer/Road Improvemen	its City/C	ounty: Clay/Onone	daga Sampling Date: 27-Sep-12
pplicant/Owner:			State: NY Sampling Point: E-1W
nvestigator(s): B. Workman, A. Robedee	Laı	ndform (hillslope,	terrace, etc.): Swale
il Map Unit Name: Collamer silt loam, 2 to 6 percer	nt slopes		Cover Type:DFW
e climatic/hydrologic conditions on the site typical fo		Yes • No	
	significantly distu		• • • • • • • • • • • • • • • • • • • •
re Vegetation	naturally problem	•	eded, explain any answers in Remarks.) ations, transects, important features, et
Hydrophytic Vegetation Present? Yes No		Is the Sampled within a Wetland	Area
Hydric Soil Present? Yes No			al Wetland Site ID:
Netland Hydrology Present? Yes No	\supset	ii yes, option	al Welland Site ID.
Remarks:			
Flag # E-9, Photo # 28S			
VEGETATION - Use scientific names o	f plants. Do	ominant	
120217111011	Sp	ecies? I.Strat. Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' Radius)	24.2	ver Status	Bonniance rest worksheet.
1. Fraxinus pennsylvanica	40	80.0% FACW	Number of Dominant Species That are OBL, FACW, or FAC:3 (A)
2. Ulmus americana		10.0% FACW	Total Number of Dominant
3. Populus tremuloides		10.0% FACU	Species Across All Strata: 4 (B)
4		0.0%	Parcent of dominant Species
5		0.0%	Percent of dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15' Radius)	50 <u>= To</u>	tal Cover	Dravialance Index worksheet.
1. Cornus amomum	20	100.0% FACW	Prevalence Index worksheet: Total % Cover of: Multiply by:
2.		0.0%	0BL speci es15 x 1 =15
3.		0.0%	FACW species 117 x 2 = 234
4.	0	0.0%	FAC species $0 \times 3 = 0$
5		0.0%	FACU speci es 35 x 4 = 140
Herb Stratum (Plot size: 5' Radius)		tal Cover	UPL speci es $0 \times 5 = 0$
1. Erigeron annuus	30	30.9% FACU	Column Totals: <u>167</u> (A) <u>389</u> (B)
2. Lythrum salicaria	15	15.5% OBL	Prevalence Index = B/A = 2.329
3. Epilobium hirsutum		51.5% FACW	Hydrophytic Vegetation Indicators:
4. Impatiens capensis		2.1% FACW	Rapid Test for Hydrophytic Vegetation
5. 6.		0.0%	✓ Dominance Test is > 50%
7.		0.0%	✓ Prevalence Index is ≤3.0 ¹
8.		0.0%	Morphological Adaptations ¹ (Provide supporting
9.	0 -	0.0%	data in Remarks or on a separate sheet)
10.	0 🗆	0.0%	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)		tal Cover	1 Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
1		0.0%	Hydrophytic
2		0.0%	Vegetation
	<u> </u>	tai Covei	Present? Yes No C
Remarks: (Include photo numbers here or on a sepa	rate sheet.		
(prioto nambolo nele oi on a sepa			

Soil

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Pepth Natrix Redox Features
Color (moist) % Type | Loc² Texture Remarks

0-3 10YR 3/2 100% Loam Organic material

(inches)	Color (illoist)	%	Color (r	moist)	%	Type	Loc2	Texture	Remarks
0-3	10YR	3/2	100%						Loam	Organic material
3-18+	10YR	4/2	95%	10YR	3/3	5%	С	M	Silty Clay Loam	
							-			
							-			
										 -
										, v-
										,
Type: C=Conc		=Depletion	n. RM=Redu	ced Matrix, (CS=Covere	d or Coate	ed Sand G	ains ² Loca	ation: PL=Pore Linin	g. M=Matrix
Hydric Soil II						(0.1) (0			Indicators for	Problematic Hydric Soils ³ :
Histosol (A	•				pped Matrix		•		2 cm Muck	(A10) (LRR K, L, S)
Histic Epip					k Surface (•	Coast Prairi	e Redox (A16) (LRR K, L, R)
_	ic (A3) (exce	pt in MLRA	A 143)		value Belo			: R, S)	5 cm Mucky	Peat or Peat (S3)
_ ` `	Sulfide (A4)				n Dark Surf				Dark Surfac	e (S7) (LRR K, L)
Stratified I	Layers (A5)				my Mucky I				Polyvalue B	elow Surface (S8) (LRR K, L)
Depleted F	Below Dark S	Surface (A1	l1)		my Gleyed		2)		Thin Dark S	urface (S9) (LRR K, L)
	Surface (A1	•			leted Matri				☐ Iron-Manga	nese Masses (F12)
	ck Mineral (S				ox Dark Su				Piedmont Fl	oodplain Soils (F19)
Sandy Gle	yed Matrix (S4)			leted Dark	•	F7)		Red Parent	Material (TF2)
Sandy Red					ox Depress					ain in Remarks)
Indicators of	hydrophytic	vegetatio	n and wetlar	nd hydrology	must be p	resent un	less distur	bed or probl	ematic.	
Restrictive La	ayer (if obs	erved):								
Type:										
Type: Depth (inch	nes):								Hydric Soil Prese	ent? Yes • No O
• ·	nes):								Hydric Soil Pres	ent? Yes © No O
Depth (inch	nes):								Hydric Soil Pres	ent: Yes © NO C
Depth (inch	nes):								Hydric Soil Preso	ent: Yes © NO C
Depth (inch Remarks:	·								Hydric Soil Preso	ent? Yes © NO C
Depth (inch Remarks:	·								Hydric Soil Preso	ent? Yes © No C
Depth (inch Remarks: lydrology Wetland Hydr	/ rology Indi									Indicators (minimum of two required)
Depth (inch Remarks: Iydrology Wetland Hydr	/ rology Indi		one is requ	iired; check	k all that a	apply)			Secondary	
Depth (inch Remarks: lydrology Wetland Hydr	rology Indi		one is requ		k all that a		(B9)		Secondary Surface	Indicators (minimum of two required)
Depth (inch Remarks: Iydrology Vetland Hydr Primary India Surface W	rology Indi	imum of	one is requ	_ w		d Leaves	(B9)		Secondary Surfac	Indicators (minimum of two required) Se Soil Cracks (B6)
Depth (inch Remarks: Iydrology Wetland Hydr Primary India Surface W	rology Indicators (min	imum of	one is requ	☐ W	ater-Staine	d Leaves a (B13)	(B9)		Secondary Surface V Draina Moss	r Indicators (minimum of two required) se Soil Cracks (B6) sige Patterns (B10)
Depth (inch Remarks: Hydrology Wetland Hydr Primary Indic Surface W High Wate	rology Indicators (min dater (A1) er Table (A2)	imum of	one is requ	☐ W ☐ Ad ☐ Ma	ater-Staine	ed Leaves la (B13) s (B15)	. ,		Secondary Surface Draina Moss	r Indicators (minimum of two required) te Soil Cracks (B6) tige Patterns (B10) Trim Lines (B16) teason Water Table (C2)
Depth (inch Remarks: Hydrology Wetland Hydr Primary Indic Surface W High Wate Saturation Water Mar	rology Indicators (min fater (A1) er Table (A2) (A3) rks (B1)	imum of	one is requ	☐ W ☐ Ac ☐ Ma	ater-Staine quatic Faun arl Deposit: ydrogen Su	ed Leaves la (B13) s (B15) Ifide Odor	· (C1)	ng Roots (C	Secondary Surface Draina Moss Dry Se	r Indicators (minimum of two required) te Soil Cracks (B6) tige Patterns (B10) Trim Lines (B16) teason Water Table (C2) th Burrows (C8)
Depth (inche Remarks: Iydrology Wetland Hydr Primary Indic Surface W High Wate Saturation Water Mar Sediment	rology Indicators (min later (A1) er Table (A2) (A3) rks (B1) Deposits (B2	imum of	one is requ	W Ac Ma Hy Ox	ater-Staine quatic Faun arl Deposit ydrogen Su xidized Rhiz	ed Leaves la (B13) ls (B15) lfide Odor zospheres	· (C1) along Livi	ng Roots (C	Secondary Surface V Draina Moss Dry Se Crayfie 3) Satura	r Indicators (minimum of two required) se Soil Cracks (B6) sige Patterns (B10) Trim Lines (B16) season Water Table (C2) sh Burrows (C8) stion Visible on Aerial Imagery (C9)
Depth (inch Remarks: Iydrology Wetland Hydr Primary Indic Surface W High Wate Saturation Water Mar Sediment Drift depos	rology Indicators (min later (A1) er Table (A2) In (A3) Inks (B1) Deposits (B2) sits (B3)	imum of	one is requ	W Ac	ater-Staine quatic Faun arl Depositi ydrogen Su xidized Rhiz resence of I	d Leaves a (B13) s (B15) Ifide Odor zospheres Reduced I	(C1) along Livi ron (C4)		Secondary Surfac V Draina Moss Dry Se Crayfis Satura Stunte	r Indicators (minimum of two required) re Soil Cracks (B6) rige Patterns (B10) Trim Lines (B16) reason Water Table (C2) rish Burrows (C8) rition Visible on Aerial Imagery (C9) red or Stressed Plants (D1)
Depth (inch Remarks: Hydrology Wetland Hydr Primary Indic Surface W High Wate Saturation Water Mar Sediment Drift depos	rology Indicators (miner Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4)	imum of	one is requ	WACACACACACACACACACACACACACACACACACACAC	dater-Staine quatic Faun arl Deposits ydrogen Su xidized Rhiz resence of I	d Leaves a (B13) s (B15) Ifide Odor zospheres Reduced I Reduction	c (C1) along Livi ron (C4) in Tilled S		Secondary Surface V Draina Moss Dry Se Crayfis Satura Stunte	r Indicators (minimum of two required) re Soil Cracks (B6) rige Patterns (B10) Trim Lines (B16) reason Water Table (C2) rish Burrows (C8) rition Visible on Aerial Imagery (C9) rid or Stressed Plants (D1) rophic Position (D2)
Depth (inch Remarks: Hydrology Wetland Hydr Primary Indic Surface W High Wate Saturation Water Mar Sediment Drift depos Algal Mat o	rology Indicators (min rater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5)	imum of		W Ac Mac Mac Ac	rater-Staine quatic Faun arl Deposit ydrogen Su xidized Rhi resence of I recent Iron	d Leaves a (B13) s (B15) Ifide Odor zospheres Reduced I Reduction urface (C7	c (C1) along Livi ron (C4) in Tilled S		Secondary Surface V Draina Moss Dry Se Crayfis Stunte Geom Shallo	r Indicators (minimum of two required) re Soil Cracks (B6) rige Patterns (B10) Trim Lines (B16) reason Water Table (C2) righ Burrows (C8) rition Visible on Aerial Imagery (C9) red or Stressed Plants (D1) rophic Position (D2) w Aquitard (D3)
Depth (inche Remarks: Iydrology Wetland Hydre Primary Indice Surface W High Water Mare Saturation Water Mare Sediment Drift deposed Algal Mate of Iron Deposed Inundation	rology Indicators (min fater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) n Visible on A	eimum of	gery (B7)	W Ac Mac Mac Ac	dater-Staine quatic Faun arl Deposits ydrogen Su xidized Rhiz resence of I	d Leaves a (B13) s (B15) Ifide Odor zospheres Reduced I Reduction urface (C7	c (C1) along Livi ron (C4) in Tilled S		Secondary Surface V Draina Moss Crayfie Stunte Geome Shallo Microt	r Indicators (minimum of two required) the Soil Cracks (B6) the Patterns (B10) Trim Lines (B16) the Bason Water Table (C2) the Burrows (C8) thion Visible on Aerial Imagery (C9) the or Stressed Plants (D1) torphic Position (D2) the Aquitard (D3) topographic Relief (D4
Depth (inche Remarks: Iydrology Wetland Hydre Primary Indice Surface W High Water Mare Saturation Water Mare Sediment Drift deposed Algal Mate of Iron Deposed Inundation	rology Indicators (min rater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5)	eimum of	gery (B7)	W Ac Mac Mac Ac	rater-Staine quatic Faun arl Deposit ydrogen Su xidized Rhi resence of I recent Iron	d Leaves a (B13) s (B15) Ifide Odor zospheres Reduced I Reduction urface (C7	c (C1) along Livi ron (C4) in Tilled S		Secondary Surface V Draina Moss Crayfie Stunte Geome Shallo Microt	r Indicators (minimum of two required) re Soil Cracks (B6) rige Patterns (B10) Trim Lines (B16) reason Water Table (C2) righ Burrows (C8) rition Visible on Aerial Imagery (C9) red or Stressed Plants (D1) rophic Position (D2) w Aquitard (D3)
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Depth (inch Remarks: Hydrology Wetland Hydr Primary Indic Surface W High Wate Saturation Water Mar Sediment Drift depos Algal Mat of Iron Depos Inundatior Sparsely V	rology Indicators (min later (A1) er Table (A2) (A3) erks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) n Visible on A legetated Co	e) Aerial Imagencave Surf	gery (B7) face (B8)	W Ac Man	rater-Staine quatic Faun arl Deposit ydrogen Su xidized Rhi resence of I recent Iron	d Leaves a (B13) s (B15) Ifide Odor zospheres Reduced I Reduction urface (C7 in in Rema	c (C1) along Livi ron (C4) in Tilled S		Secondary Surface V Draina Moss Crayfie Stunte Geome Shallo Microt	r Indicators (minimum of two required) the Soil Cracks (B6) the Patterns (B10) Trim Lines (B16) the Bason Water Table (C2) the Burrows (C8) thion Visible on Aerial Imagery (C9) the or Stressed Plants (D1) torphic Position (D2) the Aquitard (D3) topographic Relief (D4
Depth (inche Remarks: Iydrology	rology Indicators (min fater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) n Visible on A fegetated Co	e) Aerial Imaç ncave Suri	gery (B7) face (B8)	W Ac	dater-Staine quatic Faun arl Deposit: ydrogen Su xidized Rhi: resence of I recent Iron hin Muck Su ther (Expla	d Leaves a (B13) s (B15) Iffide Odor zospheres Reduced I Reduction urface (C7 in in Remain	c (C1) along Livi ron (C4) in Tilled S	soils (C6)	Secondary Surface V Draina Moss Crayfis Stunte Geom Shallo Microt V FAC-N	r Indicators (minimum of two required) the Soil Cracks (B6) the Patterns (B10) Trim Lines (B16) the Bason Water Table (C2) the Burrows (C8) thion Visible on Aerial Imagery (C9) the or Stressed Plants (D1) torphic Position (D2) the Aquitard (D3) topographic Relief (D4 the Basic Control of two required) to provide the Control of two required (D4) the Control of t
Depth (inche Remarks: Iydrology Wetland Hydrology Wetland Hydrology Wetland Hydrology Surface W High Water Saturation Water Mar Sediment Drift deposed Inundation Iron Deposed Inundation Sparsely W Field Observation Surface Water Water Table Presentation Press	rology Indicators (min fater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) n Visible on A fegetated Co ations: Present? resent?	Aerial Imagincave Surf	gery (B7) face (B8)	W Acc Market Mar	dater-Staine quatic Faun arl Deposits ydrogen Su xidized Rhizesence of lecent Iron Inin Muck Suther (Expla	d Leaves a (B13) s (B15) Iffide Odor zospheres Reduced I Reduction urface (C7 in in Remain	c (C1) along Livi ron (C4) in Tilled S	soils (C6)	Secondary Surface V Draina Moss Crayfie Stunte Geome Shallo Microt	r Indicators (minimum of two required) the Soil Cracks (B6) the Patterns (B10) Trim Lines (B16) the Bason Water Table (C2) the Burrows (C8) thion Visible on Aerial Imagery (C9) the or Stressed Plants (D1) torphic Position (D2) the Aquitard (D3) topographic Relief (D4 the Basic Control of two required) to provide the Control of two required (D4) the Control of t
Depth (inche Remarks: Surface W	rology Indicators (min fater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) or Visible on A fegetated Co ations: Present? resent? sent? ary fringe)	e) Aerial Imagincave Surf	gery (B7) face (B8) No (W Ac Ac Ac Ac Ac Ac Ac	dater-Staine quatic Faun arl Deposits ydrogen Su xidized Rhizesence of lecent Iron Inin Muck Suther (Expla	d Leaves a (B13) s (B15) Iffide Odor zospheres Reduced I Reduction urface (C7 in in Remaines):	e (C1) along Livi ron (C4) in Tilled S) arks)	soils (C6)	Secondary Surface Variable Draina Moss Crayfie Stunte Stunte Geom Shallo Microt V FAC-N	r Indicators (minimum of two required) the Soil Cracks (B6) the Patterns (B10) Trim Lines (B16) the Bason Water Table (C2) the Burrows (C8) thion Visible on Aerial Imagery (C9) the or Stressed Plants (D1) torphic Position (D2) the Aquitard (D3) topographic Relief (D4 the Basic Control of two required) to provide the Control of two required (D4) the Control of t
Depth (inche Remarks: Iydrology Wetland Hydrology Wetland Hydrology Wetland Hydrology High Wate Saturation Water Mar Sediment Drift depose Algal Mat of Iron Depose Inundation Sparsely V Field Observation Surface Water Water Table Prosaturation Press Sincludes capille	rology Indicators (min fater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) or Visible on A fegetated Co ations: Present? resent? sent? ary fringe)	e) Aerial Imagincave Surf	gery (B7) face (B8) No (W Ac Ac Ac Ac Ac Ac Ac	dater-Staine quatic Faun arl Deposits ydrogen Su xidized Rhizesence of lecent Iron Inin Muck Suther (Expla	d Leaves a (B13) s (B15) Iffide Odor zospheres Reduced I Reduction urface (C7 in in Remaines):	e (C1) along Livi ron (C4) in Tilled S) arks)	soils (C6)	Secondary Surface V Draina Moss Crayfis Stunte Geom Shallo Microt V FAC-N	r Indicators (minimum of two required) the Soil Cracks (B6) the Patterns (B10) Trim Lines (B16) the Bason Water Table (C2) the Burrows (C8) thion Visible on Aerial Imagery (C9) the or Stressed Plants (D1) torphic Position (D2) the Aquitard (D3) topographic Relief (D4 the Basic Control of two required) to provide the Control of two required (D4) the Control of t
Depth (inche Remarks: Hydrology Wetland Hydre Primary Indice Surface W High Water Mare Sediment In Drift deposed In Depo	rology Indicators (min fater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) or Visible on A fegetated Co ations: Present? resent? sent? ary fringe)	e) Aerial Imagincave Surf	gery (B7) face (B8) No (W Ac Ac Ac Ac Ac Ac Ac	dater-Staine quatic Faun arl Deposits ydrogen Su xidized Rhiz resence of I ecent Iron hin Muck Su ther (Expla Depth (inch Depth (inch	d Leaves a (B13) s (B15) Iffide Odor zospheres Reduced I Reduction urface (C7 in in Remaines):	e (C1) along Livi ron (C4) in Tilled S) arks)	soils (C6)	Secondary Surface Variable Draina Moss Crayfie Stunte Stunte Geom Shallo Microt V FAC-N	r Indicators (minimum of two required) the Soil Cracks (B6) the Patterns (B10) Trim Lines (B16) the Bason Water Table (C2) the Burrows (C8) thion Visible on Aerial Imagery (C9) the or Stressed Plants (D1) torphic Position (D2) the Aquitard (D3) topographic Relief (D4 the Basic Control of two required) to provide the Control of two required (D4) the Control of t
Depth (inch Remarks: Hydrology Wetland Hydr Primary Indic Surface W High Wate Saturation Water Mar Sediment Drift depose Iron Depose Inundatior Sparsely V Field Observa Surface Water Water Table Pr Saturation Pres Sincludes capille	rology Indicators (min fater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) or Visible on A fegetated Co ations: Present? resent? sent? ary fringe)	e) Aerial Imagincave Surf	gery (B7) face (B8) No (W Ac Ac Ac Ac Ac Ac Ac	dater-Staine quatic Faun arl Deposits ydrogen Su xidized Rhiz resence of I ecent Iron hin Muck Su ther (Expla Depth (inch Depth (inch	d Leaves a (B13) s (B15) Iffide Odor zospheres Reduced I Reduction urface (C7 in in Remaines):	e (C1) along Livi ron (C4) in Tilled S) arks)	soils (C6)	Secondary Surface Variable Draina Moss Crayfie Stunte Stunte Geom Shallo Microt V FAC-N	r Indicators (minimum of two required) the Soil Cracks (B6) the Patterns (B10) Trim Lines (B16) the Bason Water Table (C2) the Burrows (C8) thion Visible on Aerial Imagery (C9) the or Stressed Plants (D1) torphic Position (D2) the Aquitard (D3) topographic Relief (D4 the Basic Control of two required) to provide the Control of two required (D4) the Control of t

	с	ity/County:	Clay/Ononc	daga Sampling Date: 27-Sep-12
plicant/Owner:				State: NY Sampling Point: F-1W
vestigator(s): B. Workman, A. Robedee		Landform	(hillslope, t	terrace, etc.): Flat
Map Unit Name: Collamer silt loam, 2 to 6 percent slop	oes			Cover Type: <u>EW</u>
			O (
climatic/hydrologic conditions on the site typical for this			s • No	
	significantly	disturbed?	Are "N	lormal Circumstances" present? Yes No
	naturally pro			eded, explain any answers in Remarks.)
ummary of Findings - Attach site map sh	iowing sa		Sampled A	·
			n a Wetland	
		If	yes, option	al Wetland Site ID:
· · · · · · · · · · · · · · · · · · ·				
Remarks:				
lag #F-5, Photo # 33NW				
EGETATION - Use scientific names of pla	nts.	Dominant		
	Absolute	Species? Rel.Strat.	Indicator	Dominance Test worksheet:
(Plot size: 30' Radius)	% Cover		Status	Number of Dominant Species
L	0	0.0%		That are OBL, FACW, or FAC:3(A)
		0.0%		T
3	0	0.0%		Total Number of Dominant Species Across All Strata:3 (B)
Ł		0.0%		()
5	0	0.0%		Percent of dominant Species That Are OBL FACW or FAC: 100.0% (A/E
2 11 (2) 1 2 1 (DI) 1 45 Padina	0	= Total Cove	er_	That Are OBL, FACW, or FAC:
Sapling/Shrub Stratum (Plot size: 15' Radius)				Prevalence Index worksheet:
1. Cornus amomum	10	100.0%	FACW	Total % Cover of: Multiply by:
2	0	0.0%		0BL speci es x 1 =
3	0	0.0%		FACW species <u>55</u> x 2 = <u>110</u>
$\overset{4}{-}$	0	0.0%		FAC species0 x 3 =0
5	0	0.0%		FACU speci es $0 \times 4 = 0$
Herb Stratum (Plot size: 5' Radius)	10	= Total Cove	er	UPL species $0 \times 5 = 0$
1. Typha angustifolia	60	✓ 52.2%	OBL	Column Totals: <u>125</u> (A) <u>180</u> (B
2. Eutrochium maculatum	10	8.7%	OBL	
3. Symphyotrichum novi-belgii	30	✓ 26.1%	FACW	Prevalence Index = B/A = 1.440
4. Onoclea sensibilis	45	13.0%	FACW	Hydrophytic Vegetation Indicators:
5.	0	0.0%		Rapid Test for Hydrophytic Vegetation
6.	0	0.0%		✓ Dominance Test is > 50%
7.	0	0.0%		✓ Prevalence Index is ≤3.0 ¹
8.	0	0.0%		Morphological Adaptations ¹ (Provide supporting
9.	0	0.0%		data in Remarks or on a separate sheet)
0.	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
Noody Vine Stratum (Plot size:)	115	= Total Cove	er	¹ Indicators of hydric soil and wetland hydrology mu
	0	0.0%		be present, unless disturbed or problematic.
 1				Hydrophytic
		// //0/		
12				Vegetation Present? Yes No

Soil Sampling Point: F-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) % Color (moist) Loc2 **Texture** Remarks 0-10 10YR 3/2 100% Silt Loam 10-14 10YR 4/2 85% 10YR 5/6 15% Clay Loam 14-16+ 10YR 5/2 60% 10YR 5/6 40% Clay Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Marl Deposits (B15) ✓ Saturation (A3) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) ✓ Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O Wetland Hydrology Present? Saturation Present? No O Yes 2 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

vestigator(s): B. Workman, A. Robedee		State: NY Sampling Point: G-1W Landform (hillslope, terrace, etc.): Flat					
-							
Map Unit Name: Collamer silt loam, 2 to 6 percer	nt slopes			Cover Type: SSW			
limatic/hydrologic conditions on the site typical fo	r this time of year	? Ye	s 💿 No 🤇	(If no, explain in Remarks.)			
Vegetation . , Soil . , or Hydrology	significantly	disturbed?	Are "N	lormal Circumstances" present? Yes No			
Vegetation , Soil , or Hydrology	naturally pro	blematic?	(If nee	eded, explain any answers in Remarks.)			
ummary of Findings - Attach site ma	n chowing ca	mnling n	oint loc	ations, transects, important features, e			
			Sampled A				
drophytic Vegetation Present? Yes No	_		n a Wetland				
Hydric Soil Present? Yes No		If	yes, optiona	al Wetland Site ID:			
etland Hydrology Present? Yes No							
Remarks:							
ag # G-4, Photo # 36NE							
EGETATION - Use scientific names o	f plants.	Dominant Species?					
Free Stratum (Plot size: 30' Radius)	Absolute % Cover	Rel.Strat.	Indicator Status	Dominance Test worksheet:			
	45	Cover ✓ 100.0%		Number of Dominant Species			
. Fraxinus pennsylvanica		0.0%	FACW	That are OBL, FACW, or FAC:6(A)			
3.		0.0%		Total Number of Dominant Species Across All Strata: 6 (B)			
·	_	0.0%		Species Across All Strata: 6 (B)			
5.	0	0.0%		Percent of dominant Species That Are ORL FACW or FAC: 100.0% (A/B			
Carliar (Charle Charles / Diet sies, 15 Padius	15	= Total Cove	er	That Are OBL, FACW, or FAC: 100.0% (A/B			
Sapling/Shrub Stratum (Plot size: 15' Radius)				Prevalence Index worksheet:			
1. Fraxinus pennsylvanica		33.3%	FACW	Total % Cover of: Multiply by:			
2. Salix sp.		66.7%	FACW	0BL speci es 10 x 1 = 10			
3 4.		0.0%		FAC species 100 x 2 = 200 FAC species 35 x 3 = 105			
5.		0.0%		'			
Herb Stratum (Plot size: 5' Radius)		= Total Cove	er				
1. Ulmus americana	5	4.3%	FACW	UPL species $0 \times 5 = 0$ Column Totals: 145 (A) 315 (B			
		30.4%	FACW				
2. Lysimachia nummularia 3. Eutrochium maculatum		4.3%	OBL	Prevalence Index = B/A = 2.172			
1. Fraxinus pennsylvanica		21.7%	FACW	Hydrophytic Vegetation Indicators:			
Impatiens capensis	5	4.3%	FACW	Rapid Test for Hydrophytic Vegetation			
6. Aster sp.		8.7%	FAC	✓ Dominance Test is > 50% ✓ Prevalence Index is ≤3.0 ¹			
7 · Lythrum salicaria	5	4.3%	OBL				
8. Aster sp.		21.7%	FAC	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
0.		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)			
Maria Maria (District	115	= Total Cove		1			
Noody Vine Stratum (Plot size:)				Indicators of hydric soil and wetland hydrology mu- be present, unless disturbed or problematic.			
1		0.0%		Hydrophytic			
2				Vegetation			
		= Total Cove	<u>er</u>	Present? Yes WO			
emarks: (Include photo numbers here or on a sepa	rato choot						

Soil Sampling Point: G-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре 0-3 10YR 3/2 100% Silt Loam 95% 3-16+ 10YR 4/2 10YR 5/2 5% D M Silt Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: No O Yes **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) ✓ Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O **Wetland Hydrology Present?** Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

plicant/Owner:		State: NY Sampling Point: H-1W Landform (hillslope, terrace, etc.): Flat					
Map Unit Name: Collamer silt loam, 2 to 6 percei	nt slopes			Cover Type: SSW			
climatic/hydrologic conditions on the site typical fo	or this time of year	? Ye:	s • No	(If no, explain in Remarks.)			
• Vegetation ☐ , Soil ☐ , or Hydrology			Are "N	lormal Circumstances" present? Yes ● No ○			
	naturally pro			eded, explain any answers in Remarks.)			
-							
ımmary of Findings - Attach site ma	p showing sa	ampling p	oint loc	ations, transects, important features, et			
rdrophytic Vegetation Present? Yes 🌘 No 🤇	\supset		Sampled A				
Hydric Soil Present? Yes 🍑 No 🤇	\supset						
etland Hydrology Present? Yes 🍑 No 🤇	\supset	"	yes, optiona	al Wetland Site ID:			
Remarks:		<u> </u>					
lag # H-3, Photo # 38-NE							
EGETATION - Use scientific names of	of plants	Dominant					
	Absolute	Species? Rel.Strat.	Indicator	Dominance Test worksheet:			
Tree Stratum (Plot size: 30' Radius)	% Cover	itti.oti at.	Status	Dominance rest worksheet.			
_ Fraxinus pennsylvanica	10	100.0%	FACW	Number of Dominant Species That are OBL, FACW, or FAC:			
2		0.0%		Total Number of Dominant			
3.		0.0%		Species Across All Strata:5(B)			
<u> </u>		0.0%		Percent of dominant Species			
5	0	0.0%		Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B			
Sapling/Shrub Stratum (Plot size: 15' Radius)	10	= Total Cove	er				
1. Cornus amomum	10	✓ 33.3%	FACW	Prevalence Index worksheet: Total % Cover of: Multiply by:			
Fraxinus pennsylvanica		66.7%	FACW	0BL species 0 x 1 = 0			
3.	0	0.0%		FACW species 105 x 2 = 210			
4	0	0.0%		FAC speciles x 3 =180			
5		0.0%		FACU speciles $\frac{2}{}$ x 4 = $\frac{8}{}$			
Herb Stratum (Plot size: 5' Radius)	30	= Total Cove	er_	UPL speci es $\frac{0}{x}$ $x = \frac{0}{x}$			
1. Epilobium hirsutum	35	✓ 27.6%	FACW	Column Totals: <u>167</u> (A) <u>398</u> (B)			
2. Toxicodendron radicans	15	11.8%	FAC	Prevalence Index = B/A = 2.383			
3. Cornus amomum	45	11.8%	FACW	Hydrophytic Vegetation Indicators:			
4. Fraxinus pennsylvanica		11.8%	FACW	Rapid Test for Hydrophytic Vegetation			
5. Aster sp.		35.4%	FAC	✓ Dominance Test is > 50%			
6. _{Fragaria} virginiana 7.		1.6%	FACU	✓ Prevalence Index is ≤ 3.0 ¹			
8.		0.0%	-	Morphological Adaptations ¹ (Provide supporting			
9.		0.0%		data in Remarks or on a separate sheet)			
0.		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)			
Moody Vino Stratum (Plot size:	127	= Total Cove	er	1 Indicators of hydric call and watland hydrology may			
Noody Vine Stratum (Plot size:)				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
1		0.0%		Hydrophytic			
2				Vegetation Var A Na O			
		= Total Cove	<u>= </u>	Present? Yes No			
			-				
emarks: (Include photo numbers here or on a sepa	arate sheet.						

Soil Sampling Point: H-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре 0-8 10YR 3/2 95% 10YR 4/4 5% С Μ Silt Loam 4/4 С 8-18-10YR 4/2 95% 10YR 5% M Silt Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ✓ Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Marl Deposits (B15) ✓ Saturation (A3) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: No O Yes Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O **Wetland Hydrology Present?** Saturation Present? Yes No O Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

oject/Site: IDA-2033A/OCIDA-Sewer/Road Improvements	City/Co	ounty: Clay/Ononc	daga Sampling Date: 28-Sep-12
oplicant/Owner:			State: NY Sampling Point: I-1U
nvestigator(s): B. Workman, A. Robedee	Lan	dform (hillslope, t	terrace, etc.): Flat
il Map Unit Name: _Dunkirk silt loam, rolling			Cover Type:
climatic/hydrologic conditions on the site typical for the	-	Yes No	
re Vegetation 🔲 , Soil 🔲 , or Hydrology 📙	significantly distu	bed? Are "N	Jormal Circumstances" present? Yes ● No ○
re Vegetation	naturally problems	•	eded, explain any answers in Remarks.)
Hydrophytic Vegetation Present? Yes • No	snowing sampi	Is the Sampled A	ations, transects, important features, et
Hydric Soil Present? Yes O No •		within a Wetland	103 0 110 0
Wetland Hydrology Present? Yes No		If yes, option	al Wetland Site ID:
Remarks:			
Flag # I-114, Photo # 49S			
VEOLETATION	1		
VEGETATION - Use scientific names of p	Spe	minant ecies?	
Tree Stratum (Plot size: 30' Radius)	Absolute Rel	Strat. Indicator	Dominance Test worksheet:
Betula alleghaniensis		50.0% FAC	Number of Dominant Species That are OBL, FACW, or FAC: 5 (A)
2 0		8.8% FACU	That are OBL, FACW, or FAC: (A)
Carya ovata Carya cordiformis	25	14.7% FAC	Total Number of Dominant Species Across All Strata: 8 (B)
4. Acer rubrum		11.8% FAC	Species Across All Strata: 8 (B)
5. Tsuga canadensis		14.7% FACU	Percent of dominant Species That Are ORL FACW or FAC. 62.5% (A/B)
	170 = To t	al Cover	That Are OBL, FACW, or FAC: 62.5% (A/B)
Sapling/Shrub Stratum (Plot size: 15' Radius)			Prevalence Index worksheet:
1. Quercus rubra	10	66.7% FACU	Total % Cover of: Multiply by:
2. Ulmus americana	5	33.3% FACW	0BL speci es x 1 =0
3		0.0%	FACW species 5 x 2 = 10
4 5.		0.0%	FAC species155 x 3 =465
		0.0%	FACU speci es x 4 =
Herb Stratum (Plot size: 5' Radius)	15 = To t	tal Cover_	UPL species $0 \times 5 = 0$
1. Carya cordiformis	10	22.2% FAC	Col umn Total s: <u>230</u> (A) <u>755</u> (B)
2. Acer rubrum	10	22.2% FAC	Prevalence Index = B/A = 3.283_
3. Prunus serotina	5	11.1% FACU	Hydrophytic Vegetation Indicators:
4. Dryopteris intermedia		11.1% FAC	Rapid Test for Hydrophytic Vegetation
5. Acer saccharum		11.1% FACU	✓ Dominance Test is > 50%
6. Tilia americana 7.		22.2% FACU	Prevalence Index is ≤3.0 ¹
8.		0.0%	Morphological Adaptations ¹ (Provide supporting
9.		0.0%	data in Remarks or on a separate sheet)
10.		0.0%	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)		tal Cover	1 Indicators of hydric call and wetland hydrology mystel
			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1		0.0%	Hydrophytic
2		0.0%	Vegetation Var A Na O
	0 = To f	al Cover	Present? Yes Vio Vio

Soil Sampling Point: I-1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Color (moist) % Color (moist) Loc2 **Texture** Remarks (inches) 0-11 10YR 4/3 100% Sandy Loam 11-18+ 10YR 5/6 100% Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes 🔾 No • **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: No 💿 Yes O Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 Wetland Hydrology Present? Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

State: If Sampling Point: 1-TW Interestigator(s): B. Widman, A. Robeds Landform (hillstope, terrace, etc.): Swala	roject/Site: IDA-2033A/OCIDA-Sewer	/Road Improvements	c	ity/County:	Clay/Ononc	daga Sampling Date: 28-Sep-12
colimate/hydrologic conditions on the site typical for this time of year? Yes ® No (If no, explain in Remarks.)	pplicant/Owner:					State: NY Sampling Point: I-1V
e climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) re Vegetation	nvestigator(s): B. Workman, A. Robec	dee		Landform	(hillslope, t	terrace, etc.): Swale
re Vegetation	oil Map Unit Name: _Fluvaquents, fro	equently flooded				Cover Type:
Very				- 14	(a) N. (
Summary of Findings - Attach site map showing sampling point locations, transects, important features, experience of plants.			•			
Summary of Findings - Attach site map showing sampling point locations, transects, important features, ethydrophytic Vegetation Present? Yes No It sthe Sampled Area within a Wetland Site ID: If yes, optional Wetland Site ID: If yes, option						
State Sampled Area within a Wetland Present? Yes No	_					
Westand Hydrology Present? Yes				Is the	Sampled <i>F</i>	Area
Ves No No No No No No No N	Hydric Soil Present?					
VEGETATION - Use scientific names of plants. Species? Indicator Status Species Indicator Status Species Indicator Status Species Indicator Status Indicator Status Indicator In	Wetland Hydrology Present?	Yes ● No ○		l IT	yes, optiona	al Wetland Site ID:
Tree Stratum (Plot size: 30' Radius)	Remarks:			"		
Name	Flag # I-114, Photo # 47SE					
No. Species Species Species Species Stratus Species Stratus Species Stratus						
Note Species Species Species Species Species Species Status Species Status Species Status Stat	VFGFTATION - Use scien	ntific names of pla	nts.	Dominant		
Tree Stratum (Plot size: 30' Radius) % Cover Cover Status	1202 (1110) 1				Indicator	Dominance Test worksheet
1. Populus deltoides 10	Tree Stratum (Plot size: 30' Radius	s)		itci.Strat.		Dominando rest Worksheet.
3.	1. Populus deltoides		10	100.0%	FAC	
3.	2		0	0.0%		Total Number of Deminant
5.			0	0.0%		,
10						Dergant of deminant Species
Sapling/Shrub Stratum Plot size: 15' Radius 15. Cornus amomum 40	5					100.0%
1. Cornus amomum 20	Sapling/Shrub Stratum (Plot size: 15	' Radius)	10	= Total Cove	er_	
2. Salix sp. 20	1 Cornus amomum		40	61.5%	FΔCW	
3. Tilia americana 5	2 6 11					
4.						
5. 0 0.0% FACU spect es 5 x 4 = 20 Herb Stratum (Plot size: 5' Radius) 10 2.5.0% FACW FACW Stratum (Plot size: 115 (A) 270 (B 2. Onoclea sensibilis 10 2.5.0% FACW 25.0% FACW 37.5% FAC Col umn Total s: 115 (A) 270 (B 4. Acer rubrum 5 12.5% FAC OBL				0.0%		·
Herb Stratum (Plot size: 5' Radius)	5.		0	0.0%		
1. Cornus amomum 10 ✓ 25.0% FACW Col umn Total s: 115 (A) 270 (B) 2. Onoclea sensibilis 10 ✓ 25.0% FACW Prevalence Index = B/A = 2.348 Prevalence Index = B/A = 2.348 Prevalence Index = B/A = 2.348 Hydrophytic Vegetation Indicators: Hydrophytic Vegetation Indicators: Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test is > 50% Prevalence Index is ≤ 3.0 ¹ Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supportine data in Remarks or on a separate sheet) Morphological Adaptations ¹ (Provide supportine data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes ● No ○	Herb Stratum (Plot size: 5' Radius)	65	= Total Cove	<u>er</u>	
2. Onoclea sensibilis 10 ✓ 25.0% FACW Prevalence Index = B/A = 2.348 3. Toxicodendron radicans 15 ✓ 37.5% FAC 4. Acer rubrum 5 12.5% FAC 5. Boehmeria cylindrica 0 0.0% OBL 6. 0 0.0% 7. 0 0.0% 8. 0 0.0% 9. 0 0.0% 10. 0 0.0% Woody Vine Stratum (Plot size:)) 40 = Total Cover 1. 0 0.0% 2. 0 0.0% 0 0.0% Hydrophytic Vegetation Indicators: Woody Vine Stratum (Plot size:) 0 0.0% 1. 0 0.0% 2. 0 0.0% 3. Total Cover Hydrophytic Vegetation Indicators: Wordphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation Indicators: 1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 4. 40 = Total Cover	1. Cornus amomum		10	✓ 25.0%	FACW	•
3. Toxicodendron radicans 4. Acer rubrum 5. Boehmeria cylindrica 6. 0 0.0% 7. 0 0.0% 8. 0 0.0% 9. 0 0.0% 10. 0 0.0% 10. 0 0.0% 10. 0 0.0% 10. 0 0.0% 10. 0 0.0% 10. 0 0.0% 11. 0 0.0% 12. 5 FAC 12. 6 PAC 13. 6 PAC 14. 6 PAC 14. 6 PAC 15. 6 PAC 16.	2			25.0%	FACW	
See Fact	3		15	✓ 37.5%	FAC	
6. 0 0.0% OBL 7. 0 0.0% Prevalence Index is ≤ 3.0 ¹ 8. 0 0.0% OBL 9. 0 0.0% OBL Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 10. 0 0.0% Problematic Hydrophytic Vegetation ¹ (Explain) 1. 0 0.0% OBL Dominance Test is > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes No ○			5	12.5%	FAC	
7. 8. 0			0	0.0%	OBL	
8. 0 0.0% Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) 10. 0 0.0% Problematic Hydrophytic Vegetation 1 (Explain) 1. 0 0.0% 1. 0 0.0% 2. 0 0.0% 0 = Total Cover Hydrophytic Vegetation Vegetation Present? Yes No O						
9. 0 0.0% data in Remarks or on a separate sheet) 10. 0 0.0% Problematic Hydrophytic Vegetation 1 (Explain) 1. 0 0.0% 1. 0.0% 2. 0.0% 0 0.0% 1 Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic. Hydrophytic Vegetation Yes No						
10.						
Woody Vine Stratum (Plot size:) 40 = Total Cover 1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 1. 0 □ 0.0% Hydrophytic Vegetation Present? Yes No ○						Problematic Hydrophytic Vegetation ¹ (Explain
1	W. J. W. Challer (Dlate)	`				1
1. O O O O O O O O O O O O O O O O O O O						
Vegetation Present? Yes No No						Hydrophytic
	2					Vegetation Vegetation
Remarks: (Include photo numbers here or on a separate sheet.				= Total Cove	er	Present? Tes © NO O
Remarks. (There of humbers fiere of on a separate sneet.	Domarke: (Include photo purch !	horo or on a consust-	hoot			
	remarks: (include photo numbers i	nere or on a separate s	nieet.			

Soil Sampling Point: I-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks (inches) 0-10 10YR 3/2 85% 7.5YR 4/6 15% Silty Clay Loam 4/1 7.5YR 10--16+ 10YR 85% 4/6 15% Silty Clay Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) ✓ Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ✓ Surface Water (A1) ✓ Water-Stained Leaves (B9) ✓ Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) ✓ Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: No O Yes Depth (inches): Surface Water Present? 3 Yes O No 💿 Water Table Present? Depth (inches): Yes No O Wetland Hydrology Present? Saturation Present? Yes No O Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

ject/Site: _IDA-2033A/OCIDA-Sewer/Road Improvements		ounty: Clay/Onone	20 3cp 12
olicant/Owner:			State: NY Sampling Point: J-1W
vestigator(s): B. Workman, A. Robedee	La	ndform (hillslope, t	terrace, etc.): Ditch
Map Unit Name: Collamer silt loam, 2 to 6 percent s	lopes		Cover Type: SSW/Ditch
climatic/hydrologic conditions on the site typical for th		Yes No	
e Vegetation U , Soil U , or Hydrology U	significantly distu	ırbed? Are "N	lormal Circumstances" present? Yes No
Vegetation , Soil , or Hydrology		•	eded, explain any answers in Remarks.)
Immary of Findings - Attach site map solution of Findings - Attach site map solution Present? Yes No No No No No No No N	snowing samp	Is the Sampled	
Hydric Soil Present? Yes • No		within a Wetlan	d? Yes ◉ No ○
		If yes, option	al Wetland Site ID:
, ,,			
Remarks: lag # J-3, Photo # 50S			
ay # 3-3, F11010 # 303			
'EGETATION - Use scientific names of p	lants. Do	ominant	
	Absolute Re	ecies? el.Strat. Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' Radius)	% Cover Co	over Status	Number of Dominant Species
1		0.0%	That are OBL, FACW, or FAC:3(A)
2		0.0%	Total Number of Deminant
3		0.0%	Total Number of Dominant Species Across All Strata:3 (B)
4		0.0%	
5	0	0.0%	Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B
Sapling/Shrub Stratum (Plot size: 15' Radius)	0 <u>= To</u>	otal Cover_	That Are Obl., FACW, OF FAC.
			Prevalence Index worksheet:
1. Salix sp.		58.3% FACW	Total % Cover of: Multiply by:
2. Cornus amomum		41.7% FACW	0BL speci es x 1 =
3		0.0%	FACW species <u>85</u> x 2 = <u>170</u>
4 5.	0	0.0%	FAC speci es x 3 =216
5	0	0.0%	FACU speci es4
Herb Stratum (Plot size: 5' Radius)		otal Cover	UPL species $0 \times 5 = 0$
1. Poa sp.	65	60.2% FAC	Column Totals: <u>168</u> (A) <u>409</u> (B)
2. Salix sp.	15	13.9% FACW	Prevalence Index = B/A = 2.435
3. Viburnum dentatum		4.6% FAC	
4. Symphyotrichum novae-angliae	10	9.3% FACW	Hydrophytic Vegetation Indicators:
5. Fragaria virginiana		1.9% FACU	Rapid Test for Hydrophytic Vegetation
6. Lonicera sp.		1.9% FACU	✓ Dominance Test is > 50%
7. Lythrum salicaria	5	4.6% OBL	✓ Prevalence Index is ≤3.0 ¹
8. Galium palustre		1.9% OBL	Morphological Adaptations ¹ (Provide supporting
9. Equisetum arvense		1.9% FAC	data in Remarks or on a separate sheet)
0.	0	0.0%	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)	108 = T c	otal Cover	1 Indicators of hydric soil and wetland hydrology mus
 1	0	0.0%	be present, unless disturbed or problematic.
2.		0.0%	Hydrophytic
<u></u>		otal Cover	Vegetation Present? Yes No
	0 = 10	tai COVCI	riescitt:

Soil Sampling Point: J-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks 0-5 10YR 3/2 95% 10YR 4/4 5% Silty Clay Loam 5-12+ 10YR 5/2 60% 10YR 5/6 40% Silty Clay Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ✓ Surface Water (A1) ■ Water-Stained Leaves (B9) ✓ Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Marl Deposits (B15) ✓ Saturation (A3) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: No O Yes Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O Wetland Hydrology Present? Saturation Present? Yes No O

Depth (inches):

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

(includes capillary fringe)

Landform (hillslope, terrace, etc.): Flat	roject/Site: IDA-2033A/OCIDA-Sewer/Road	Improvements	c	City/County:	Clay/Ononc	daga Sampling Date: 2	28-Sep-12
Solid Company Compan	pplicant/Owner:					State: NY Sampling Point:	K-1U
e climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) re Vegetation	nvestigator(s): B. Workman, A. Robedee			Landform	(hillslope, t	terrace, etc.): Flat	
re Vegetation	oil Map Unit Name: <u>Collamer silt loam, 2</u>	to 6 percent slope	es .			Cover Type:	
Tree Vegetation							
Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.					s • No C		
Summary of Findings - Attach site map showing sampling point locations, transects, important features, experience of plants. Provide	re Vegetation 🔲 , Soil 🔲 , or F	lydrology s	ignificantly	disturbed?	Are "N	formal Circumstances" present? Yes	No \bigcirc
	_					•	aturos ot
Wetland Hydrology Present? Yes No		-	owing sa	Is the	Sampled A	Area	
Ves	Hydric Soil Present? Yes	. ○ No ●					
Remarks: Flag # K-4, Photo # 51S Species Flag # K-4, Photo # 51S Species Flag # K-4, Photo # 51S Species Flag # K-4, Photo # 51S Species Flag # K-4, Photo # 51S Species Flag # K-4, Photo # 51S Species Flag # K-4, Photo # 51S Species Flag # K-4, Photo # 51S Species Flag # K-4, Photo # 51S Species Flag # K-4, Photo # 51S Species Flag # K-4, Photo # 51S Species Flag # K-4, Photo # 51S Species Flag # K-4, Photo # 51S Species Flag		. ○ No ●		If	yes, optiona	al Wetland Site ID:	
VEGETATION - Use scientific names of plants.							
Tree Stratum (Plot size: 30' Radius)	Flag # K-4, Photo # 51S						
Tree Stratum (Plot size: 30' Radius)							
Tree Stratum (Plot size: 30' Radius)	VEGETATION						
Tree Stratum	VEGETATION - Use scientific	names of plan		Species?			
1. 0 0.0% That are OBL, FACW, or FAC: 1 (A) 2. 0 0.0% Solow Total Number of Dominant Species Total Species Across All Strata: 3 (B) Sapling/Shrub Stratum (Plot size: 15' Radius) 1 0 0.0% Percent of dominant Species That Are OBL, FACW, or FAC: 1 (A) 1. 0 0.0% Total Across All Strata: 3 (B) 2. 0 0.0% Total Across All Strata: 3 (B) 2. 0 0.0% Total Across All Strata: 3 (B) 3. 0 0.0% Total Stratum (Plot size: 0 0.0% Total Stratum (Plot size: 0 0 0 Na FACW over of: Multiply by: 0 PFACW specil es 0 x 1 = 0 0 PFACW specil es 0 x 2 = 0 Na 1 = 0 Na 1 Na PACW specil es 0 x	Tree Stratum (Plot size: 30' Radius)		RCI.Strat.		Dominance Test worksheet:	
2.							(4)
3.						That are OBL, FACW, OF FAC:	(A)
4.	3.		0			2	(D)
5.						Species Across Ali Strata:	(B)
Sapiling/Shrub Stratum (Plot size: 15' Radius)				0.0%		' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	0/ (4 (5)
1.			0	= Total Cove	er	That Are OBL, FACW, or FAC:	70 (A/B)
2.	Sapling/Shrub Stratum (Plot size: 15' Radi	us)				Prevalence Index worksheet:	
3.	1		0	0.0%		Total % Cover of: Multiply by:	
4.			0	0.0%		0BL speci es	0
5.			0			FACW species 0 x 2 =	0
Herb Stratum (Plot size: 5' Radius)						FAC species $95 \times 3 = 2$	285
1. Solidago canadensis 45						17100 Specifics	
2. Carex sp. 25 12.2% FAC Prevalence Index = B/A = 3.585 3. Aster sp. 25 12.2% FAC 4. Lonicera sp. 10 4.9% FACU 5. Achillea millefolium 30 14.6% FACU 6. Fragaria virginiana 15 7.3% FACU 7. Galium mollugo 10 4.9% UPL 8. Agrostis sp. 45 22.0% FAC 9. 0 0.0% 10. 0 0.0% Woody Vine Stratum (Plot size:) 205 = Total Cover 1. 0 0.0% 2. 0 0.0% 2. 0 0.0% 3.585 Hydrophytic Vegetation Indicators: 4. Hydrophytic Vegetation Indicators: Prevalence Index = B/A = 3.585 Hydrophytic Vegetation Indicators: Dominance Test is > 50% Prevalence Index = B/A = 3.585 Hydrophytic Vegetation Indicators: Dominance Test is > 50% Prevalence Index = B/A = 3.585 Hydrophytic Vegetation Indicators: Indicators of hydric soil and wetland hydrology must be present? <	Herb Stratum (Plot size: 5' Radius)			<u> </u>	UPL speci es x 5 =	50
3. Aster sp. 4. Lonicera sp. 5. Achillea millefolium 6. Fragaria virginiana 7. Galium mollugo 8. Agrostis sp. 9. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10			45	22.0%	FACU	Column Totals:	735 (B)
4. Lonicera sp. 10			25		FAC	Prevalence Index = B/A = 3.58	35_
10						Hydrophytic Vegetation Indicators:	
Second							n
7. Galium mollugo 10							
8. Agrostis sp. 9. 45 22.0% FAC 0 0.0% 10. 0.0%						Prevalence Index is ≤3.0 ¹	
9.	8. Agrostis sp.					Morphological Adaptations ¹ (Provide	supporting
10.	9						
1				0.0%		Problematic Hydrophytic Vegetation ¹	(Explain)
1. 0 0.0% be present, unless disturbed or problematic. 2. 0 0.0% Vegetation Present? Yes ○ No ●	Woody Vine Stratum (Plot size:)	205	= Total Cove	er_	¹ Indicators of hydric soil and wetland by	drology must
2							
Uegetation Present? Yes ○ No ●						Hydrophytic	
	۷-					Vegetation	
Remarks: (Include photo numbers here or on a separate sheet.				- IUIAI COVE		FIESEIR!	
Remarks. (monde prote numbers here of on a separate sheet.	Pemarks: (Include photo numbers horo	or on a senarate ch					·
	Remarks: (molade prioto nambers here	on a soparate si					

Soil Sampling Point: K-1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре 0-4 10YR 4/3 100% Silt Loam С 4-18-10YR 5/3 90% 10YR 5/6 10% M Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: No 💿 Yes O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 **Wetland Hydrology Present?** Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

plicant/Owner:vestigator(s): B. Workman, A. Robedee		Landform	(hillslope, t	State: NY Sampling Point: K-1W terrace, etc.): Flat
Man Unit Name: Callemer silt learn 2 to 4 person	at alance			Cover Type: SSW
Map Unit Name: Collamer silt loam, 2 to 6 percer	11 Slopes			Cover Type: SSW
climatic/hydrologic conditions on the site typical fo	or this time of year	? Ye:	s • No	(If no, explain in Remarks.)
e Vegetation ☐ , Soil ☐ , or Hydrology	_		Are "N	lormal Circumstances" present? Yes No
e Vegetation, Soil, or Hydrology	naturally pro	blematic?		eded, explain any answers in Remarks.)
				•
				ations, transects, important features, et
ydrophytic Vegetation Present? Yes No	_		e Sampled A n a Wetland	
Hydric Soil Present? Yes No		If	yes, optiona	al Wetland Site ID:
etland Hydrology Present? Yes No)			
Remarks:				
lag # K-4, Photo # 54N				
				_
/EGETATION - Use scientific names o	f plants.	Dominant Species?		
Tree Stratum (Plot size: 30' Radius)	Absolute % Cover	Rel.Strat.	Indicator Status	Dominance Test worksheet:
	45	Cover 100.0%		Number of Dominant Species
. Fraxinus pennsylvanica		0.0%	FACW	That are OBL, FACW, or FAC:
2. 3.		0.0%		Total Number of Dominant Species Across All Strata: 5 (B)
4.	_	0.0%		Species Across All Strata:
5.	0	0.0%		Percent of dominant Species That Are ORL FACW or FAC: 100.0% (A/B)
Capling/Chrysh Ctratum (Diet size, 15' Padius	15	= Total Cove	er	That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 15' Radius)				Prevalence Index worksheet:
1. Cornus amomum		100.0%	FACW	Total % Cover of: Multiply by:
2 3.		0.0%		0BL species 0 x 1 = 0
4.	0	0.0%		FACW species 170 x 2 = 340 FAC species 35 x 3 = 105
5.	0	0.0%		FAC species 35 x 3 = 105 FACU species 0 x 4 = 0
Herb Stratum (Plot size: 5' Radius)		= Total Cove	er	UPL species
1. Impatiens capensis	70	✓ 48.3%	FACW	Column Totals: 205 (A) 445 (B)
2 Decem	20	✓ 20.7%	FAC	
3. Epilobium hirsutum	40	✓ 27.6%	FACW	Prevalence Index = B/A =2.171_
4. Solanum dulcamara	5	3.4%	FAC	Hydrophytic Vegetation Indicators:
5.		0.0%		Rapid Test for Hydrophytic Vegetation
6.		0.0%		✓ Dominance Test is > 50% ✓ Prevalence Index is ≤3.0 ¹
7. 8.		0.0%		
9.		0.0%		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
0.		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
Moody Vino Stratum / Diet size	145	= Total Cove		1
Woody Vine Stratum (Plot size:)				Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.
1		0.0%		Hydrophytic
2				Vegetation Var A Na O
		= Total Cove	#I	Present? Yes No
			.	
emarks: (Include photo numbers here or on a sepa	rate sneet.			

Soil Sampling Point: K-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре (inches) 0-11 10YR 3/2 100% Silty Clay Loam С 11-18+ 10YR 4/2 90% 10YR 4/4 10% M Silt Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) ✓ Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) ✓ Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O **Wetland Hydrology Present?** Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Project/Site: IDA-2033A/OCIDA-Sewer/Road Improvements	City	y/County: (Clay/Onond	laga Sampling Date: 01-Oct-12
pplicant/Owner:				State: NY Sampling Point: L-1U
nvestigator(s): B. Workman, A. Robedee		Landform (h	illslope, t	errace, etc.): Flat
il Map Unit Name: Williamson silt loam, 0 to 2 percer	nt slopes			Cover Type: OF
			O C	
e climatic/hydrologic conditions on the site typical for t	_		● No C	
re Vegetation , Soil , or Hydrology	_			
re Vegetation $\ \square$, Soil $\ \square$, or Hydrology $\ \square$ Summary of Findings - Attach site map				eded, explain any answers in Remarks.) ations, transects, important features, et
Hydrophytic Vegetation Present? Yes No •		Is the S	Sampled A	Area
Hydric Soil Present? Yes ○ No ●			a Wetland	103 0 110 0
Wetland Hydrology Present? Yes O No •		lf y	es, optiona	al Wetland Site ID:
Remarks:				
Flag # L-13, Photo # 71S				
VEGETATION - Use scientific names of	nlants	Dominant		
VEGETATION - OSC SCIENCING HAMES OF	Absolute	_Species? _	ndicator	Danis Tark washing at
Tree Stratum (Plot size: 30' Radius)	% Cover	itonoti at.	Status	Dominarios rest worksheet.
1		0.0%		Number of Dominant Species That are OBL, FACW, or FAC:
2.		0.0%		
3	0[0.0%		Total Number of Dominant Species Across All Strata:3 (B)
4		0.0%		
5	0	0.0%		Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15' Radius)		Total Cover	-	That the obe, thow, of the
	а Г	¬		Prevalence Index worksheet: Total % Cover of: Multiply by:
1	, [0.0%		
2		0.0%		OBL species 0 x 1 = 0 FACW species 15 x 2 = 30
4.		0.0%		
5.	0	0.0%		FACU specifies $0 \times 3 = 0$ FACU specifies $115 \times 4 = 460$
Herb Stratum (Plot size: 5' Radius)	0 =	Total Cover		UPL species $95 \times 5 = 475$
1 Diaria hiaragiaidas	40	✓ 17.8%	UPL	Column Totals: 225 (A) 965 (B)
2			FACU	
3 Daugus carata			UPL	Prevalence Index = B/A = 4.289
Fragaria virginiana			FACU	Hydrophytic Vegetation Indicators:
5. Taraxacum officinale			FACU	Rapid Test for Hydrophytic Vegetation
6. Melilotus alba		2.2%	FACU	☐ Dominance Test is > 50%
7. Galium mollugo	10	4.4%	UPL	Prevalence Index is ≤3.0 ¹
8. Symphyotrichum novae-angliae		6.7%	FACW	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
9. 10.				Problematic Hydrophytic Vegetation ¹ (Explain)
		0.0%		Problematic Hydrophytic vegetation (Explain)
Woody Vine Stratum (Plot size:)	=	Total Cover	-	¹ Indicators of hydric soil and wetland hydrology must
1		0.0%		be present, unless disturbed or problematic.
2.	0	0.0%		Hydrophytic Vegetation
	0 =	Total Cover		Present? Yes No •
Remarks: (Include photo numbers here or on a separa	ite sheet.			

Soil Sampling Point: L-1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре 0-14 10YR 4/3 98% 10YR 5/4 2% С Μ Silt Loam 14-22 10YR 6/6 100% Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: No 💿 Yes O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: No 💿 Yes O Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 Wetland Hydrology Present? Saturation Present? Yes \bigcirc No 💿 Depth (inches):

(includes capillary fringe)

Remarks:

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Sampling Point C-1W No Cover Type: Will Map Unit Name: Williamson sitt Loam 0 to 2 percent slopes Sampling Point C-1W Williamson sitt Loam 0 to 2 percent slopes Cover Type: Will Williamson sitt Loam 0 to 2 percent slopes Cover Type: Will Williamson sitt Loam 0 to 2 percent slopes Cover Type: Will Williamson sitt Loam 0 to 2 percent slopes Cover Type: Will Williamson sitt Loam 0 to 2 percent slopes Cover Type: Will Williamson sitt Loam 0 to 2 percent slopes Cover Type: Will Williamson sitt Loam 0 to 2 percent slopes Ver Vegetation Soil Or Hydrology Instituted? Are "Normal Circumstances" present? Ver © No Williamson strain Ver Ver Ver Ver Ver © No Williamson strain Ver Ver Ver © No Williamson strain Ver Ver Ver © No Williamson strain Ver Ver © No Williamson stra	roject/Site: IDA-2033A/OCIDA-Sewer/Road Improvements	City/County:	: Clay/Onond	daga Sampling Date: 01-Oct-12
Cover Type: WM	pplicant/Owner:			State: NY Sampling Point: L-1W
e climatic/hydrologic conditions on the site typical for this time of year? re Vegetation	•		n (hillslope, t	terrace, etc.): Flat
Prevented	il Map Unit Name: Williamson silt loam, 0 to 2 percer	nt slopes		Cover Type: <u>WM</u>
Tree Stratum Plot size: 30 Radius Salinificantly disturbed? Are "Normal Circumstances" present? Yes No Summary of Findings - Attach site map showing sampling point locations, transects, important features, et hydrophytic Vegetation present? Yes No Is the Sampled Area within a Wetland? Yes No Is the Sampled Area within a				
Summary of Findings - Attach site map showing sampling point locations, transects, important features, et elydrophytic Vegetation Present? Yes No				
Summary of Findings - Attach site map showing sampling point locations, transects, important features, et Phydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No If yes, optional Wetland? Yes No If yes, optional Wetland Site ID:		significantly disturbed?	Are "N	lormal Circumstances" present? Yes ♥ No ∪
Tree Stratum Plot size: 30' Radius Percent of dominant Species Species Across At Strate Spec	-			
Wettand Hydrology Present? Yes No		Is ti	he Sampled <i>F</i>	Area
Ves	Hydric Soil Present? Yes ● No ○			
Percent of dominant Species Factor	Wetland Hydrology Present? Yes ● No ○		If yes, optiona	al Wetland Site ID:
VEGETATION - Use scientific names of plants. Dominant Species? Species? Receive? Cover Cove		I		
Absolute Real Stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Propose and the proposed at the proposed stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Proposed at the proposed stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Proposed at the proposed stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Proposed at the proposed stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Proposed at the proposed stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Proposed at the proposed stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Proposed at the proposed stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Proposed at the proposed stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Proposed at the proposed stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Proposed at the proposed stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Proposed at the proposed stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Proposed at the proposed stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Proposed at the proposed stratum Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Proposed stratum Provide supporting data in Remarks or on a separate sheet) Proposed stratum Provide supporting data in Remarks or on a separate sheet) Proposed stratum Provide supporting data in Remarks or on a separate sheet) Proposed stratum Provide supporting data in Remarks or on a separate sheet) Proposed stratum Provide supporting	Flag # L-13, Photo # 70NW			
Absolute Species Species Species Species Stratum Species Spe				
Absolute Resistration Plot size: 30' Radius Provide supporting data in Remarks or on a separate sheet) Provide supporting data in Remarks or on a separate sheet) Provide supporting data in Remarks or on a separate sheet) Provides supp	VECETATION	nlanta Dania		
Tree Stratum	VEGETATION - Use scientific names of	Species?	· 	
1.	Tree Stratum (Plot size: 30' Radius)	No. Strai	••	Dominance Test worksheet:
2.	1			
3.				That are OBE, TAOW, OF TAO.
4.	3.	0 0.0%		
Sapling/Shrub Stratum (Plot size: 15' Radius)				openies richoss rim ottata.
Sapling/Shrub Stratum (Plot size: 15' Radius) Prevalence Index worksheet:	5	0 0.0%		100.0%
1.	Sanling/Shruh Stratum (Plot size: 15' Radius)	0 = Total Co	ver	That are obt, racw, or rac.
2.				
3.	1	0		
4.	2			
5.				
Herb Stratum (Plot size: 5' Radius) 0				
1. Epilobium hirsutum 15 7.1% FACW Col umn Total s: 225 (A) 425 (B) 2. Phragmites australis 65 ✓ 31.0% FACW Prevalence Index = B/A = 1.889 3. Eutrochium maculatum 30 ✓ 14.3% OBL Hydrophytic Vegetation Indicators: 4. Eupatorium perfoliatum 30 ✓ 16.7% OBL Rapid Test for Hydrophytic Vegetation 5. Lythrum salicaria 35 ✓ 16.7% OBL ✓ Dominance Test is > 50% 7. Cornus amomum 20 9.5% FACW ✓ Prevalence Index is ≤ 3.0 ¹ 8. Symphyotrichum ericoides 10 4.8% FACU Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 10. 0 0.0% Problematic Hydrophytic Vegetation ¹ (Explain) 1. Vitis riparia 15 100.0% FAC Hydrophytic vegetation ¹ (Explain) 1. Vitis riparia 15 100.0% FAC Hydrophytic vegetation ¹ (Explain) 1. Vitis riparia 15 100.0% FAC Hydrophytic vegetation ¹ (Explain) 1. Hydrophytic vegetation Vegetation Vegetation Vegetation	Herb Stratum (Plot size: 5' Radius)		ver	
2. Phragmites australis 3. Eutrochium maculatum 3. Eutrochium elevation 3. Eutrochium maculatum 3. Eutrochium maculatum 3. Eutrochium maculatum 3. Eutrochium maculatum 3. Eutrochium faculations 4. Eupatorium faculations 5. Lythra faculations 5. Lythra faculations 5. Lythra faculations 6. Populus deltoides 7. Cornus amount 6. Populus deltoides 7. Cornus amount 6. Populus deltoides 7. Cornus amount 6. Populus deltoides 7. Eaph faculations 6. Populus deltoides 7. Eaph faculation in faculations 6. Populus deltoides 6. Populus deltoides 6. Populus deltoides 6. Populus deltoides 6. Populus deltoi		15 7 19/	EACW.	or E specifies X 5 -
3. Eutrochium maculatum 4. Eupatorium perfoliatum 5. Lythrum salicaria 6. Populus deltoides 7. Cornus amomum 8. Symphyotrichum ericoides 9. 0 0 0.0% Woody Vine Stratum (Plot size: 30' Radius) 1. Vitis riparia 30				V,
4. Eupatorium perfoliatum 5. Lythrum salicaria 6. Populus deltoides 7. Cornus amomum 8. Symphyotrichum ericoides 9. 0 0 0.0% 10. 0 0.0% Woody Vine Stratum (Plot size: 30' Radius) 1. Vitis riparia 30	3 Eutrachium magulatum	20 14 29/		Prevalence Index = B/A =1.889_
5. Lythrum salicaria 6. Populus deltoides 7. Cornus amomum 8. Symphyotrichum ericoides 9.	4 Functorium perfeliatum	20 14 29/		Hydrophytic Vegetation Indicators:
6. Populus deltoides 7. Cornus amomum 8. Symphyotrichum ericoides 9. 0 0.0% 10. 0.0% Woody Vine Stratum (Plot size: 30' Radius) 1. Vitis riparia 1. Vitis riparia 1. Vitis riparia 5 0.2.4% FAC FACW 9. 5 FACW 9. 6 0 0.0% 1. Vitis riparia 1. Vitis riparia 1. Vitis riparia 5 0.2.4% FAC FACW 9. FACW 1. Vitis riparia 1. Vitis riparia 5 0.0% 9. FAC 1. Vitis riparia			OBL	
8. Symphyotrichum ericoides 9. 0 0.0% 10. 0.0% Woody Vine Stratum (Plot size: 30' Radius) 1. Vitis riparia 1. Vitis riparia 2. 9.9.8 FACU Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation 1 (Explain) 1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Vegetation	6. Populus deltoides	5 2.4%	FAC	
9.	7. Cornus amomum		FACW	
10.	Symphyotrichum ericoides		FACU	
Woody Vine Stratum (Plot size: 30' Radius) 1. Vitis riparia 2.				
1. Vitis riparia				
1. Vitis riparia 15	Woody Vine Stratum (Plot size: 30' Radius)		ver	
Vegetation Vegetation		15100.0%	FAC FAC	
	2	0 0.0%		Vegetation
<u> </u>		15 = Total Co	ver	
				l .
	Remarks: (Include photo numbers here or on a separa	te sheet.		
	Remarks: (Include photo numbers here or on a separa	ite sheet.		

Soil Sampling Point: L-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре (inches) 0-12 10YR 4/2 95% 10YR 4/4 5% С Μ Silt Loam С 12-22 10YR 5/6 95% 10YR 4/6 5% M Fine Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: No O Yes **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) ✓ Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Marl Deposits (B15) Saturation (A3) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present?

Depth (inches):

Depth (inches):

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Water Table Present?

(includes capillary fringe)

Saturation Present?

Remarks:

Yes O

Yes \bigcirc

No 💿

No 💿

No O

Yes

Wetland Hydrology Present?

State NY Sampling Point L2U	roject/Site: IDA-2033A/OCIDA-Sewer/Road Improvement	nts C	ity/County:	Clay/Ononc	daga Sampling Date: 01-Oct-12
eclimatic/hydrologic conditions on the site typical for this time of year? Yes ● No ○ (If no, explain in Remarks.) are Vegetation	pplicant/Owner:				State: NY Sampling Point: L-2U
celimatic/hydrologic conditions on the site typical for this time of year? Yes No (if no, explain in Remarks.) re Vegetation , soil , or Hydrology significantly disturbed?	nvestigator(s): B. Workman, A. Robedee		Landform	(hillslope, t	errace, etc.): Flat
re Vegetation	oil Map Unit Name: Williamson silt loam, rolling				Cover Type:DFU
re Vegetation					
Absolute Species Spe				s • No C	(,,,
Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.	re Vegetation , Soil , or Hydrology	significantly	disturbed?	Are "N	ormal Circumstances" present? Yes No
Is the Sampled Area Within a Wetland? Yes No Wetland Hydrology Present? Yes No Wetland Site ID: If yes, optional Wetland Site ID: If yes, optional Wetland Site ID:					
Metitand Hydrology Present? Yes		<u> </u>	Is the	Sampled A	Area
If yes, optional Welfand Site ID:	Hydric Soil Present? Yes No	•			
VEGETATION - Use scientific names of plants. Dominant Species? Status Species? Species? Species? Species? Species? Species? Species.			If	yes, optiona	al Wetland Site ID:
VEGETATION - Use scientific names of plants. Dominant Species? Seciety? Indicator Status Dominance Test worksheet: Number of Dominant Species Number of Dominant Species <th< td=""><td></td><td></td><td></td><td></td><td></td></th<>					
Absolute Rel Stratum Plot size: 30' Radius Prevalence Indicators Pre					
Absolute Relistration Plot size: 30' Radius National Relistration Reliable Relistration Reliable Relistration Reliable Relistration Reliable Relistration Reliable Relistration Reliable	3				
Absolute Rel Stratum Plot size: 30' Radius Prevalence Indicators Pre		<u> </u>			
Tree Stratum Plot size: 30' Radius Plot size: 15' Radius Plot size: 15	VEGETATION - Use scientific names of		Species?		
Detula alleghaniensis	Tree Stratum (Plot size: 30' Radius)		itci.Strat.		Dominance Test worksheet:
2. Fraxinus americana 3. Tilia americana 4. Acer saccharum 15	1 Datula allambaniansia	70			
3. Tilia americana 20	<u> </u>				That are OBL, FACW, or FAC:
4. Acer saccharum 5. Acer rubrum 20	2				,
20	1	45			Species across all Strata: (B)
Sapling/Shrub Stratum (Plot size: 15' Radius 145	_			FAC	h h h h h h
1.		145	= Total Cove	er	That Are OBL, FACW, or FAC:
2.	Sapling/Shrub Stratum (Plot size: 15' Radius)				Prevalence Index worksheet:
3.	1		0.0%		Total % Cover of: Multiply by:
4.			0.0%		0BL speci es x 1 = 0
5. 0 0.0% FACU species 112 x 3 = 330 Herb Stratum (Plot size: 5' Radius) 0 = Total Cover UPL species 0 x 5 = 0 1. Fagus grandifolia 15 18.3% FACU 18.3% FACU 25. ✓ 30.5% FACU 30.5% FACU 30.5% FACU 44.1% FACU 44. Tilia americana 5 6.1% FACU 50 FACU					FACW species
Herb Stratum (Plot size: 5' Radius)					
1. Fagus grandifolia 1. Facu 2. Fraxinus americana 3. Prunus serotina 4. Tilia americana 5. Toxicodendron radicans 6. Rhamnus cathartica 7. 0 0 0.0% 8. 0 0.0% 9. 0 0.0% 10. 0 0.0% Woody Vine Stratum (Plot size:) 1. 0 0.0% Woody Vine Stratum (Plot size:) 1. 0 0.0% 1. 0					•
2. Fraxinus americana 25 ✓ 30.5% FACU Prevalence Index = B/A = 3.507 3. Prunus serotina 5 6.1% FACU Hydrophytic Vegetation Indicators: 4. Tilia americana 15 18.3% FACU Rapid Test for Hydrophytic Vegetation 5. Toxicodendron radicans 20 ✓ 24.4% FAC Dominance Test is > 50% 7. 0 0.0% Prevalence Index = B/A = 3.507 8. 0 0.0% Prevalence Index = B/A = 3.507 Woody Unio Stratum (Plot size: 0 0.0% Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 1. 0 0.0% Problematic Hydrophytic Vegetation ¹ (Explain) 2. 0.0% Hydrophytic Vegetation unidicators: 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	Herb Stratum (Plot size: 5' Radius)		= TOTAL COVE	<u> </u>	UPL speci es $\frac{0}{x}$ $x = \frac{0}{x}$
3. Prunus serotina 4. Tilia americana 5. Toxicodendron radicans 6. Rhamnus cathartica 7. 0 0 0.0% 8. 0 0 0.0% 9. 0 0 0.0% 10. 0 0.0% 10. 0 0.0% Woody Vine Stratum (Plot size:) Woody Vine Stratum (Plot size:) Name of the varietie findex = B/A = 3.507 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test is > 50% Prevalence Index is ≤3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) 1. 0 0.0% 1 Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. Hydrophytic Vegetation Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test is > 50% Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. Hydrophytic Vegetation	1. Fagus grandifolia	15	18.3%	FACU	Column Totals: <u>227</u> (A) <u>796</u> (B)
4. Tilia americana 5. Toxicodendron radicans 6. Rhamnus cathartica 7. 0 0 0.0% 8. 0 0.0% 9. 0 0.0% 10. 0 0.0% Woody Vine Stratum (Plot size:) 1. 0 0 0.0% 1. 0 0.0%			30.5%	FACU	Prevalence Index = B/A = 3.507
Solution Toxicodendron radicans 20					Hydrophytic Vegetation Indicators:
Dominance Test is > 50% Dominance Test					Rapid Test for Hydrophytic Vegetation
7. 8. 0 □ 0.0% 9. 10. Woody Vine Stratum (Plot size: 1. 0 □ 0.0% 0 □ 0.0% 1. 0 □ 0.0% 1. 1. 0 □ 0.0% 1. 1. 1. 1. 1. 1. 1. 1. 1. 1					
8. 0 0.0% Morphological Adaptations \(^1\) (Provide supporting data in Remarks or on a separate sheet) 10. 0 0.0% Problematic Hydrophytic Vegetation \(^1\) (Explain) 1. 0 0.0% 1. 0 0.0% 2. 0 0.0% Hydrophytic Vegetation \(^1\) (Hydrophytic Vegetation \(^1\) (Hydroph	7.			FAC	Prevalence Index is ≤3.0 ¹
9.					Morphological Adaptations ¹ (Provide supporting
10. Woody Vine Stratum (Plot size: 1. 0 0 0.0% 82 = Total Cover 1 Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. 1. 0 0.0% Hydrophytic Vegetation Hydrophytic Vegetation Vegetation	9.				
1. 0 0.0% Hydrophytic Vegetation Vegetation	10.		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
1. 0 0.0% be present, unless disturbed or problematic. 2. 0 0.0% Hydrophytic Vegetation	Woody Vine Stratum (Plot size:	82	= Total Cove	er	1 Indicators of hydric soil and wetland hydrology must
2 O					
Z					Hydrophytic
Tresent?	۷				Vegetation Vac O Na 🔊
		<u> </u>	= TOTAL COVE	<u> </u>	Present? 100 C NO C
Remarks: (Include photo numbers here or on a separate sheet.	Pamarks: (Include photo numbers here or on a sen	arato shoot			

Soil Sampling Point: L-2U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Color (moist) Color (moist) Loc2 **Texture** Remarks 0-2 10YR 3/3 100% Silt Loam 2-18 10YR 5/4 100% Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes 🔾 No 💿 **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: No 💿 Yes O Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 **Wetland Hydrology Present?** Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

State N	dee			(hillslope, t	
Section Sect			Landform	(hillslope, t	terrace, etc.): Flat
Colimatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)	oam, rolling				
e Vegetation					Cover Type:DFW
Are "Normal Circumstances" present? Yes No No No No No No No N				O (
Soli		-			
ummary of Findings - Attach site map showing sampling point locations, transects, important features, et lydrophytic Vegetation Present? Yes ♥ No					F
Is the Sampled Area within a Wetland? Yes No Wetland Hydrology Present? Yes No Wetland Site ID:					
Mydric Soil Present? Yes No		<u></u>	Is the	Sampled <i>F</i>	Area
Ves No No No No No No No N					
VEGETATION - Use scientific names of plants. Dominant Species? RelStrat. Molecular Species RelStrat. Molecula	Yes No		"	yes, option	iai Wetianu Site ID.
Absolute Species Absolute Abso			·		
Absolute Resistrature Plot size: 30' Radius					
Absolute Relistration Plot size: 30' Radius Packers Relistration Relistration Relistration Relistration Relistration Reliable Relistration Reliable Relistration Reliable					
Absolute Species Species Species Species Species Status Species Status Species Status Species Status Species Status Species Status Species	ntific names of pla	nts	Dominant		
Tree Stratum (Plot size: 30' Radius) % Cover Status	Terror rames or pro		Species?	Indicator	Dominance Test worksheet.
1. Acer rubrum 85)		itci.Strat.		Dominarios rest worksheet.
3		85	94.4%	FAC	
3		5	5.6%	FACW	THIN I GO I I
4.		0	0.0%		
Sapling/Shrub Stratum (Plot size: 15' Radius)			0.0%		
Sapling/Shrub Stratum (Plot size: 15' Radius)					100 00/2
1. Acer rubrum	' Radius)	90	= Total Cove	<u>er</u>	That We obe, Thow, of the
2.		_		540	
3.				FAC	
4.					
5.					
Herb Stratum (Plot size: 5' Radius) 5					
1. Acer rubrum 10)	5	= Total Cove	er	•
2. Onoclea sensibilis 3. Fraxinus americana 15		10	7.00/	FAC	·
3. Fraxinus americana 4. Osmunda regalis 5. Urtica dioica 6. 0 0 0.0% 7. 0 0 0.0% 8. 0 0 0.0% 9. 0 0 0.0% 10. 0 0 0.0% 11. 0 0 0.0% 10. 0 0 0.0% 11. 0 0 0.0% 127 = Total Cover 1. 0 0 0.0% 1. 0 0.0% 1. 0 0.0% 1. 127 = Total Cover 1. 1 Indicators of hydric soil and wetland hydrology musbe present, unless disturbed or problematic. Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test is > 50% Prevalence Index is ≤3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) 1. 1. 0 0 0.0% 1. Hydrophytic Vegetation 1 (Hydrophytic Vegetation) 1. Hydrophytic Vegetation 1 (Explain) 1. Hydrophytic Vegetation 1 (Explain) 1. Hydrophytic Vegetation 1 (Hydrophytic Vegetation)					
4. Osmunda regalis 5. Urtica dioica 2		15			Prevalence Index = B/A = 2.324
5. Urtica dioica 2					Hydrophytic Vegetation Indicators:
6. 0					
8. 0 0.0% 9. 0 0.0% 10. 0 0.0% 11. 0 0.0% 12. 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 1. 0 0.0% 1. Hydrophytic Vegetation 1. Hydrophytic Vegetation 1.			0.0%		✓ Dominance Test is > 50%
9.		0	0.0%		✓ Prevalence Index is ≤3.0 ¹
Woody Vine Stratum (Plot size:) 1. 0 0.0% 1. 0 0.0% 1. 0 0.0% 1. 127 = Total Cover 1. 1. 0 0.0% 2. 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Vegetation		0	0.0%		
Woody Vine Stratum (Plot size:)		0	0.0%		
1. 0 0.0% Hydrophytic Vegetation V Q N N Q N C Sol and wetland hydrology mus be present, unless disturbed or problematic.		0	0.0%		Problematic Hydrophytic Vegetation - (Explain
1)	127	= Total Cove	<u>er</u>	
2 O		0	0.0%		be present, unless disturbed or problematic.
			0.0%		
		0	= Total Cove	er	
	here or on a separate s	heet.			
	here or on a separate s	heet.			
		tach site map sheld the site map	respond to the first state of plants. Absolute % Cove Test of No O Yes No No O Absolute % Cove 85 0 0 0 0 0 0 0 0 15 Radius) 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	naturally problematic?	No

Soil Sampling Point: L-2W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре 0-9 10YR 3/1 100% Silt Loam 10YR 9-18 5/2 90% 10YR 5/1 10% D M Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** $\label{lem:indicators} \textbf{Indicators for Problematic Hydric Soils}^3\colon$ Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: No O Yes **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ✓ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) ✓ Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) ✓ Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O **Wetland Hydrology Present?** Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe)

Remarks:

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Project/Site: IDA-2033A/OCIDA-Sewer/Road Improvement	S City/0	County: Clay/Ononc	daga Sampling Date: 01-Oct-12
pplicant/Owner:			State: NY Sampling Point: M-1U
nvestigator(s): B. Workman, A. Robedee	La	andform (hillslope, t	terrace, etc.): Flat
oil Map Unit Name: Collamer silt loam, 0 to 2 percent	t slopes		Cover Type: OF
		w @ w (
e climatic/hydrologic conditions on the site typical for Are Vegetation , Soil , or Hydrology [Yes No	
	_		F
-		•	eded, explain any answers in Remarks.) ations, transects, important features, et
Hydrophytic Vegetation Present? Yes No •	<u> </u>	Is the Sampled A	
Hydric Soil Present? Yes No •		within a Wetland	
Wetland Hydrology Present? Yes O No 🗨)	ii yes, optiona	al Wetland Site ID:
Remarks:			
Flag #M-2, Photo # 78W			
VEGETATION - Use scientific names of	plants.	ominant	
	s	pecies? el.Strat. Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' Radius)		over Status	Number of Dominant Species
1. Pinus sylvestris		100.0% UPL	That are OBL, FACW, or FAC:
2		0.0%	Total Number of Dominant
3		0.0%	Species Across All Strata:2 (B)
45.		0.0%	Percent of dominant Species
5		0.0% otal Cover	That Are OBL, FACW, or FAC: 0.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15' Radius)		otal cover	Prevalence Index worksheet:
1	0	0.0%	Total % Cover of: Multiply by:
2.	ο Π	0.0%	0BL speci es0 x 1 =0
3	0	0.0%	FACW species 0 x 2 = 0
4		0.0%	FAC speci es x 3 =0
5		0.0%	FACU species $\frac{95}{}$ x 4 = $\frac{380}{}$
Herb Stratum (Plot size: 5' Radius)	<u> </u>	otal Cover_	UPL speci es $\frac{70}{}$ x 5 = $\frac{350}{}$
1. Solidago canadensis		58.6% FACU	Col umn Total s: <u>165</u> (A) <u>730</u> (B)
2. Daucus carota	15	10.3% UPL	Prevalence Index = $B/A = 4.424$
3. Galium mollugo	15	10.3% UPL	Hydrophytic Vegetation Indicators:
4. Taraxacum officinale		6.9% FACU	Rapid Test for Hydrophytic Vegetation
5. Picris hieracioides 6.		13.8% UPL	Dominance Test is > 50%
7.		0.0%	Prevalence Index is ≤3.0 ¹
8.		0.0%	Morphological Adaptations ¹ (Provide supporting
9.	0 🗆	0.0%	data in Remarks or on a separate sheet)
10.	0	0.0%	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:	145 = T	otal Cover	¹ Indicators of hydric soil and wetland hydrology must
	0	0.0%	be present, unless disturbed or problematic.
1 2.		0.0%	Hydrophytic
<u>-</u>		otal Cover	Vegetation Present? Yes No •
		<u> </u>	
Remarks: (Include photo numbers here or on a separ	ate sheet.		

Soil Sampling Point: M-1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) % Color (moist) Loc2 **Texture** Remarks Туре 0-14 10YR 4/3 100% Silt Loam Rocky below С 14-18 10YR 4/4 95% 10YR 5/6 5% M Silt Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: No 💿 Yes O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 Wetland Hydrology Present? Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

roject/Site: IDA-2033A/OCIDA-Sewer/Road Improve	ements	City/County:	Clay/Onond	daga Sampling Date: 01-Oct-12
pplicant/Owner:				State: NY Sampling Point: M-1W
nvestigator(s): B. Workman, A. Robedee		Landform	(hillslope, t	terrace, etc.): Flat
oil Map Unit Name: Collamer silt loam, 0 to 2 pe	ercent slopes			Cover Type: WM
			s • No	
e climatic/hydrologic conditions on the site typic				
re Vegetation , Soil , or Hydrolog		y disturbed?		· · · · · · · · · · · · · · · · · · ·
re Vegetation 🔲 , Soil 🗌 , or Hydrolog				eded, explain any answers in Remarks.) ations, transects, important features, et
	No O	Is the	Sampled A	Area
Hydric Soil Present? Yes •	No O			al Wetland Site ID:
Wetland Hydrology Present? Yes 🕞 🛚 I	No O	"	yes, options	ii Wetiand Site ID.
Remarks:				
Flag #M-2, Photo # 79NW				
VEGETATION - Use scientific name	es of plants.	Dominant		
	Absolut	Species? e Rel.Strat.	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' Radius)	% Cove	NCI.Juat.	Status	Bollinarios rest Worksheet.
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC: (A)
2		0.0%		Total Number of Dominant
3		0.0%		Species Across All Strata:2 (B)
4		0.0%		Percent of dominant Species
5		0.0%		That Are OBL, FACW, or FAC: 100.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15' Radius)	= Total Cove	<u>er</u>	Daniel de la description de la
1.	0	0.0%		Prevalence Index worksheet: Total % Cover of: Multiply by:
2.	0	0.0%		0BL species 10 x 1 = 10
3.		0.0%		FACW species 115 x 2 = 230
4.	0	0.0%		FAC species 40 x 3 = 120
5		0.0%		FACU speciles $0 \times 4 = 0$
Herb Stratum (Plot size: 5' Radius)	0	= Total Cove	er	UPL species $\frac{0}{0}$ x 5 = $\frac{0}{0}$
1. Cornus alba	30	18.2%	FACW	Col umn Total s: <u>165</u> (A) <u>360</u> (B)
2. Phragmites australis	80	✓ 48.5%	FACW	Prevalence Index = B/A = 2.182
3. Symphyotrichum novae-angliae	E	3.0%	FACW	Hydrophytic Vegetation Indicators:
4. Viburnum dentatum		9.1%	FAC	Rapid Test for Hydrophytic Vegetation
5. Juncus tenuis		15.2%	FAC	✓ Dominance Test is > 50%
6. Galium palustre 7.		6.1%	OBL	✓ Prevalence Index is ≤3.0 ¹
8.		0.0%		Morphological Adaptations ¹ (Provide supporting
9.		0.0%		data in Remarks or on a separate sheet)
10.		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)		= Total Cove	er	1 Indicators of hydric soil and wetland hydrology must
			-	be present, unless disturbed or problematic.
1		0.0%		Hydrophytic
۷	0			Vegetation Present? Yes No
		_ 10ta1 00V6	-1_	FIGSCILE: 1.55 //6 -
Remarks: (Include photo numbers here or on a	separate sheet			

Soil Sampling Point: M-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks (inches) Little gravelly 0-11 10YR 3/2 98% 10YR 4/4 2% Sandy Loam With gravel 4/1 11-16+ 10YR 80% 10YR 5/4 20% Fine Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) ✓ Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) ✓ Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) ✓ Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O Wetland Hydrology Present? Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

US Army Corps of Engineers

vestigator(s): B. Workman, A. Robedee			(hillslope, t	State: NY Sampling Point: N-1U terrace, etc.): Flat
Map Unit Name: Collamer silt loam, 2 to 6 perc	ent slopes			Cover Type: OF
climatic/hydrologic conditions on the site typical		r? Ye:	s • No C	
e Vegetation . , Soil . , or Hydrology	significantly	disturbed?	Are "N	lormal Circumstances" present? Yes No
Vegetation . , Soil . , or Hydrology	naturally pro	oblematic?	(If nee	eded, explain any answers in Remarks.)
ımmary of Findings - Attach site m	ap showing sa	ampling p	oint loca	ations, transects, important features, et
ydrophytic Vegetation Present? Yes O No	•		Sampled A	
Hydric Soil Present? Yes O No	•			
etland Hydrology Present? Yes O No	lacktriangle	11	yes, optiona	al Wetland Site ID:
Remarks:				
hoto # 67S				
VECETATION	.			
EGETATION - Use scientific names		Dominant Species?		
Tree Stratum (Plot size: 30' Radius)	Absolute % Cove	itel.Juat.	Indicator Status	Dominance Test worksheet:
		0.0%		Number of Dominant Species
		0.0%		That are OBL, FACW, or FAC: (A)
<u>2.</u> 3.		0.0%		Total Number of Dominant
		0.0%		Species Across All Strata: (B)
5.		0.0%		Percent of dominant Species
	0	= Total Cove	er	That Are OBL, FACW, or FAC: 50.0% (A/B
Sapling/Shrub Stratum (Plot size: 15' Radius)				Prevalence Index worksheet:
1	0	0.0%		Total % Cover of: Multiply by:
2.		0.0%		0BL species0 _ x 1 =0
3	0	0.0%		FACW species x 2 =0
4	0	0.0%		FAC species 95 x 3 = 285
5		0.0%		FACU speci es 40 x 4 = 160
Herb Stratum (Plot size: 5' Radius)	0	= Total Cove	er	UPL speci es $\frac{60}{}$ x 5 = $\frac{300}{}$
1. Carex sp.	85	✓ 43.6%	FAC	Column Totals:195 (A)745 (B)
2. Galium mollugo		15.4%	UPL	
3. Asclepias syriaca	15	7.7%	UPL	
4. Solidago canadensis	15	7.7%	FACU	Hydrophytic Vegetation Indicators:
Taraxacum officinale	10	5.1%	FACU	Rapid Test for Hydrophytic Vegetation
6. Trifolium pratense	15	7.7%	FACU	☐ Dominance Test is > 50%
7. Daucus carota	10	5.1%	UPL	Prevalence Index is ≤3.0 ¹
8. Picris hieracioides		2.6%	UPL	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
9. Vicia sp.		5.1%	FAC	
0.		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
Noody Vine Stratum (Plot size:)	195	= Total Cove	er	¹ Indicators of hydric soil and wetland hydrology mus
1	0	0.0%		be present, unless disturbed or problematic.
2.		0.0%		Hydrophytic
		= Total Cove	er	Vegetation Present? Yes ○ No ●
			_	
emarks: (Include photo numbers here or on a se	parate sheet.			

Soil Sampling Point: N-1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) % Color (moist) Loc2 **Texture** Remarks Туре 0-16 10YR 3/3 100% Silt Loam С 16-20 10YR 4/4 75% 10YR 5/3 25% M Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: No 💿 Yes O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 **Wetland Hydrology Present?** Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Project/Site: IDA-2033A/OCIDA-Sewer/Road Improvement	nents City	/County: Clay/Ononc	daga Sampling Date: 28-Sep-12
Applicant/Owner:			State: NY Sampling Point: N-1W
nvestigator(s): _B. Workman, A. Robedee		Landform (hillslope, t	errace, etc.): Flat
oil Map Unit Name: Collamer silt loam, 2 to 6 perc	cent slopes		Cover Type: <u>WM</u>
e climatic/hydrologic conditions on the site typical	_	Yes No	(·· ····, ··· / ··· / ········
Are Vegetation, Soil, or Hydrology			lormal Circumstances" present? Yes ● No ○
re Vegetation □ , Soil □ , or Hydrology		•	eded, explain any answers in Remarks.) ations, transects, important features, e
		Is the Sampled A	Area
Hydric Soil Present? Yes No	\circ	within a Wetland	100 0 110 0
Wetland Hydrology Present? Yes No	\circ	If yes, optiona	al Wetland Site ID:
Remarks:			
Photo # 66NW			
VECETATION	of aloute	Daminant	
VEGETATION - Use scientific names	<u> </u>	Dominant Species?	
Tree Stratum (Plot size: 30' Radius)	a. a	Rel.Strat. Indicator Cover Status	Dominance Test worksheet:
1		0.0%	Number of Dominant Species That are OBL, FACW, or FAC:1(A)
2		0.0%	That are OBL, FACW, OF FAC.
3.	0	0.0%	Total Number of Dominant Species Across All Strata: 1 (B)
4.		0.0%	Species Across All Strata: (B)
5.	0	0.0%	Percent of dominant Species That Are ORL FACIAL or FACIAL 100.0% (A/I
	0 =	Total Cover	That Are OBL, FACW, or FAC: 100.0% (A/I
Sapling/Shrub Stratum (Plot size: 15' Radius)			Prevalence Index worksheet:
1		0.0%	Total % Cover of: Multiply by:
2		0.0%	0BL speci es0 x 1 =0
3			FACW speci es x 2 =
4. 5.		0.0%	FAC species $0 \times 3 = 0$
	0 =		FACU species $0 \times 4 = 0$
Herb Stratum (Plot size: 5' Radius)			UPL species $0 \times 5 = 0$
1. Phragmites australis		100.0% FACW	Column Totals: 100 (A) 200 (E
2		0.0%	Prevalence Index = B/A = 2.000
3			Hydrophytic Vegetation Indicators:
4. 5.			Rapid Test for Hydrophytic Vegetation
6.		0.0%	✓ Dominance Test is > 50%
7.	0	0.0%	✓ Prevalence Index is ≤3.0 ¹
8.		0.0%	Morphological Adaptations ¹ (Provide supportin
9.	0	0.0%	data in Remarks or on a separate sheet)
10.	0 [0.0%	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:	100 =	Total Cover	¹ Indicators of hydric soil and wetland hydrology mu
	, г	7 0.0%	be present, unless disturbed or problematic.
1. 2.		0.0%	Hydrophytic
<u> </u>	0 =	Total Cover	Vegetation Present? Yes ● No ○
		TOTAL COVEL	Trosent:
Remarks: (Include photo numbers here or on a se	eparate sheet		
	parato silvot.		

Soil Sampling Point: N-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре (inches) 0-11 10YR 3/2 95% 10YR 4/6 5% С Μ Silt Loam С 11-18 10YR 5/4 95% 10YR 5/6 5% M Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) ✓ Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) ✓ Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Marl Deposits (B15) Saturation (A3) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) ✓ Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O **Wetland Hydrology Present?** Saturation Present? Yes \bigcirc No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Project/Site: IDA-2033A/OCIDA-Sewer/Road Improvements	City	//County: Cla	ay/Onond	laga Sampling Date: 28-Sep-12
pplicant/Owner:				State: NY Sampling Point: N-2U
nvestigator(s): B. Workman, A. Robedee		Landform (hil	Islope, t	errace, etc.): Hillside
oil Map Unit Name:				Cover Type: OF
		6	S C	
e climatic/hydrologic conditions on the site typical for thi	-		No C	
re Vegetation , Soil , or Hydrology	significantly di			F
re Vegetation	naturally probl howing san			eded, explain any answers in Remarks.) ations, transects, important features, et
Hydrophytic Vegetation Present? Yes No No	<u> </u>	Is the Sa within a	mpled A	Area
Hydric Soil Present? Yes ○ No •				al Wetland Site ID:
Wetland Hydrology Present? Yes ○ No •		ii ye:	з, оршона	ii Welland Site ID.
Remarks:				
Flag # N-211, Photo # 69S				
VEGETATION - Use scientific names of pla	ants.	Dominant		
	Absolute	nononan	dicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' Radius)	% Cover		atus	Number of Dominant Species
1				That are OBL, FACW, or FAC:
2				Total Number of Dominant
3. 4.		0.0%		Species Across All Strata: 2 (B)
5.		0.0%		Percent of dominant Species
		Total Cover		That Are OBL, FACW, or FAC: 0.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15' Radius)				Prevalence Index worksheet:
1. Pinus sylvestris	20	✓ 100.0% U	PL	Total % Cover of: Multiply by:
2	0_ [0.0%		0BL speci es x 1 =0
3				FACW species
4 5.				FAC species $0 \times 3 = 0$
	0	0.0% Total Cover		FACU speci es $\frac{110}{20}$ x 4 = $\frac{440}{100}$
Herb Stratum (Plot size: 5' Radius)				UPL speci es $\frac{20}{100}$ x 5 = $\frac{100}{100}$
1. Rubus allegheniensis			ACU	Column Totals: $\underline{130}$ (A) $\underline{540}$ (B)
Solidago canadensis 3.			ACU	Prevalence Index = B/A = 4.154
4	0	0.0%		Hydrophytic Vegetation Indicators:
5.		0.0%		Rapid Test for Hydrophytic Vegetation
6.		0.0%		☐ Dominance Test is > 50%
7.		0.0%		Prevalence Index is ≤3.0 ¹
8.		0.0%		Morphological Adaptations 1 (Provide supporting
9. 10.	0	0.0%		data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
	0	0.0%		Problematic Hydrophytic Vegetation - (Explain)
Woody Vine Stratum (Plot size:)		Total Cover		1 Indicators of hydric soil and wetland hydrology must
1		0.0%		be present, unless disturbed or problematic.
2	0	0.0%		Hydrophytic Vegetation
		Total Cover		Present? Yes No •
Remarks: (Include photo numbers here or on a separate	sheet.			

Soil Sampling Point: N-2U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Color (moist) % Color (moist) Loc2 **Texture** Remarks 0-16 10YR 4/3 100% Sandy Loam 16-20 10YR 5/6 100% Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes 🔾 No • **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: No 💿 Yes O Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 Wetland Hydrology Present? Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

vestigator(s): B. Workman, A. Robedee			(hillslope, t	State: NY Sampling Point: N-2W terrace, etc.): Flat
Map Unit Name: _Dunkirk silt loam, rolling				Cover Type: SSW
Durkirk siit loam, roining				
climatic/hydrologic conditions on the site typical for	this time of year	2 Va	s • No	(If no, explain in Remarks.)
Vegetation, Soil, or Hydrology	_			lormal Circumstances" present? Yes No
	_			
Properties	naturally pro	oblematic?	(If nee	eded, explain any answers in Remarks.)
ımmary of Findings - Attach site map	showing sa	mpling p	oint loca	ations, transects, important features, et
rdrophytic Vegetation Present? Yes No			Sampled A	
Hydric Soil Present? Yes 🍳 No 🗆			n a Wetland	100 0 110 0
etland Hydrology Present? Yes No		l1	yes, optiona	al Wetland Site ID:
Remarks:				
ag # N-211, Photo # 68SW				
EGETATION - Use scientific names of	nlants	Dominant		
EGETATION - Ose scientific fluines of	Absolute	Species?	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' Radius)	% Cover	Nei.Juat.	Status	Dominance rest worksheet.
l	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC:4 (A)
2		0.0%		THE CONTRACTOR
8. <u> </u>		0.0%		Total Number of Dominant Species Across All Strata: 4 (B)
1		0.0%		Demonstrate description of Consider
5		0.0%		Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B
Sapling/Shrub Stratum (Plot size: 15' Radius)		= Total Cove	<u>er</u>	
1. Cornus amomum	45	✓ 81.8%	FACW	Prevalence Index worksheet: Total % Cover of: Multiply by:
Cornus amomum Rhamnus cathartica	10	18.2%	FAC	0BL species x 1 =
3.	0	0.0%		FACW species 90 x 2 = 180
4.	0	0.0%		FAC species 175 x 3 = 525
5	0	0.0%		FACU speci es $0 \times 4 = 0$
Herb Stratum (Plot size: 5' Radius)	55	= Total Cove	er	UPL species $\frac{0}{x}$ $x = \frac{0}{x}$
1. Cornus amomum	35	17.8%	FACW	Column Totals: <u>267</u> (A) <u>707</u> (B)
2. Symphyotrichum novae-angliae	10	5.1%	FACW	Prevalence Index = B/A = 2.648
3. Aster sp.	65	33.0%	FAC	
4. Lythrum salicaria	2	1.0%	OBL	Hydrophytic Vegetation Indicators:
Carex sp.		43.1%	FAC	Rapid Test for Hydrophytic Vegetation
6. 7.		0.0%		✓ Dominance Test is > 50% ✓ Prevalence Index is ≤3.0 ¹
8.		0.0%		
9.		0.0%		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
0.	0	0.0%	-	Problematic Hydrophytic Vegetation ¹ (Explain)
Mandy Vine Stratum / District 2010-dive	<u>0</u> 197	= Total Cove		1
Noody Vine Stratum (Plot size: 30' Radius)	=			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Vitis riparia			FAC	Hydrophytic
2		0.0%		Vegetation V
	15	= Total Cove	er	Present? Yes NO
				•
emarks: (Include photo numbers here or on a separa	ate sheet			

Soil Sampling Point: N-2W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре (inches) 0-12 10YR 3/1 95% 10YR 4/4 5% С Μ Silt Loam С 12-18 10YR 5/4 90% 10YR 5/6 10% M Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) ✓ Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Marl Deposits (B15) Saturation (A3) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O Wetland Hydrology Present? Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

			(hillslope, t	State: NY Sampling Point: O-1U terrace, etc.): Flat
Map Unit Name: Niagara silt loam, 0 to 4 percent slop climatic/hydrologic conditions on the site typical for this e Vegetation	es	Landform	(hillslope, t	terrace, etc.): Flat
climatic/hydrologic conditions on the site typical for this	es			
Vegetation , Soil , or Hydrology				Cover Type: OF
Vegetation , Soil , or Hydrology	time of year	2 Yes	s • No	(If no, explain in Remarks.)
	significantly			Iormal Circumstances" present? Yes No
Vegetation , Soil , or Hydrology	naturally pro			eded, explain any answers in Remarks.)
ımmary of Findings - Attach site map sh	nowing sa	ımpling p	oint loc	ations, transects, important features, et
rdrophytic Vegetation Present? Yes No			Sampled A	
Hydric Soil Present? Yes O No •				al Wetland Site ID:
etland Hydrology Present? Yes O No		"	yes, optiona	al Wetland Site ID:
Pemarks:		.		
ag # O-1, Photo # 85SW				
ZEGETATION - Use scientific names of pla	ints	Dominant		
EGETATION - Ose scientific flames of pia	Absolute	Species?		1
Tree Stratum (Plot size: 30' Radius)	% Cover	itci.oti at.	Indicator Status	Dominance Test worksheet:
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC: O (A)
2.		0.0%		
3.		0.0%		Total Number of Dominant Species Across All Strata: (B)
4.		0.0%		openies rin out atta. (c)
5	0	0.0%		Percent of dominant Species That Are OBL FACW or FAC: 0.0% (A/B)
C. P. (Cl. J. Cl. J. (Dl.) of a 15 Padius		= Total Cove	er	That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 15' Radius)		_		Prevalence Index worksheet:
1. Rhus typhina		100.0%	UPL	Total % Cover of: Multiply by:
2		0.0%		0BL species x 1 =0
3 4.		0.0%		FACW species0 x 2 =0
± 5.	0	0.0%		FAC species $0 \times 3 = 0$
		= Total Cove		FACU speci es $95 \times 4 = 380$
Herb Stratum (Plot size: 5' Radius)				UPL species $\frac{30}{}$ x 5 = $\frac{150}{}$
1. Lonicera sp.	15	14.3%	FACU	Col umn Total s: <u>125</u> (A) <u>530</u> (B)
2. Verbascum thapsus		9.5%	UPL	Prevalence Index = B/A = 4.240
3. Solidago canadensis 4.		76.2%	FACU	Hydrophytic Vegetation Indicators:
5.		0.0%		Rapid Test for Hydrophytic Vegetation
6.	0	0.0%		☐ Dominance Test is > 50%
7.		0.0%		Prevalence Index is ≤3.0 ¹
8.	0	0.0%		Morphological Adaptations ¹ (Provide supporting
9.	0	0.0%		data in Remarks or on a separate sheet)
0.	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:	105	= Total Cove	er	1 Indicators of hydric soil and wetland hydrology must
1	0	0.0%		be present, unless disturbed or problematic.
1 2.	0	0.0%		Hydrophytic
		= Total Cove	er	Vegetation Present? Yes ○ No ●
emarks: (Include photo numbers here or on a separate	sheet.			

Soil Sampling Point: 0-1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Color (moist) Color (moist) Loc2 **Texture** Remarks (inches) 0-13 10YR 3/3 100% Silt Loam 13-20 10YR 5/6 100% Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes 🔾 No 💿 **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: No 💿 Yes O Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 Wetland Hydrology Present? Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

plicant/Owner:			(hillslope, t	State: NY Sampling Point: O-1W terrace, etc.): Flat
Map Unit Name: Niagara silt loam, 0 to 4 percent sl	opes			Cover Type: WM
				_
climatic/hydrologic conditions on the site typical for t	his time of year	? Yes	s 💿 No 🤇	
e Vegetation 🔲 , Soil 🗌 , or Hydrology 🗀	significantly	disturbed?	Are "N	lormal Circumstances" present? Yes No
Vegetation . , Soil . , or Hydrology .	naturally pro	blematic?	(If nee	eded, explain any answers in Remarks.)
ummary of Findings - Attach site map	showing sa	mpling p	oint loc	ations, transects, important features, e
ydrophytic Vegetation Present? Yes No			Sampled A	Area
Hydric Soil Present? Yes • No		withi	n a Wetland	d? Yes ● No ○
etland Hydrology Present? Yes No		If	yes, optiona	al Wetland Site ID:
Remarks:				
lag # O-1, Photo # 84N				
FOFTATION				
EGETATION - Use scientific names of p		Dominant Species?		
Tree Stratum (Plot size: 30' Radius)	Absolute % Cover	itti.oti at.	Indicator Status	Dominance Test worksheet:
. Acer saccharinum	15	100.0%	FACW	Number of Dominant Species That are OBL, FACW, or FAC:3 (A)
		0.0%	171011	That are OBE, FACW, OF FAC.
3.		0.0%		Total Number of Dominant Species Across All Strata: 3 (B)
1.	_	0.0%		Species Across Air Strata.
5		0.0%		Percent of dominant Species That Are ORL FACW or FAC: 100.0% (A/B
Sapling/Shrub Stratum (Plot size: 15' Radius)	15	= Total Cove	<u>er</u>	That Are OBL, FACW, or FAC: 100.0% (A/B
				Prevalence Index worksheet:
1 2.		0.0%		Total % Cover of: Multiply by:
2		0.0%		0BL species 30 x 1 = 30
4.	0	0.0%		FACW species 105 x 2 = 210 FAC species 65 x 3 = 195
5.	0	0.0%		FAC species $\underline{65}$ x 3 = $\underline{195}$ FACU species $\underline{0}$ x 4 = $\underline{0}$
Herb Stratum (Plot size: 5' Radius)	0	= Total Cove	er	UPL species
1. Phragmites australis	80	✓ 43.2%	FACW	Column Totals: 200 (A) 435 (B)
2 - 1 1 1 1 1 1		16.2%	OBL	
2. Typna latifolia 3. Aster sp.		35.1%	FAC	Prevalence Index = B/A = 2.175
4. Acer saccharinum		2.7%	FACW	Hydrophytic Vegetation Indicators:
5. Lysimachia nummularia	5	2.7%	FACW	Rapid Test for Hydrophytic Vegetation
6.		0.0%		✓ Dominance Test is > 50%
7. 8.		0.0%		✓ Prevalence Index is ≤3.0 ¹
5. 9.		0.0%		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
0.		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
	0	0.0%		
Woody Vine Stratum (Plot size:)	185	= Total Cove	<u>:1</u>	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1		0.0%		
2		0.0%		Hydrophytic Vegetation
		= Total Cove	er_	Present? Yes No
				<u> </u>
emarks: (Include photo numbers here or on a separa				

Soil Sampling Point: O-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре 0-7 10YR 3/2 95% 7.5YR 4/6 5% С Μ Sandy Loam 7-15 10YR 4/2 95% 10YR 4/4 5% D Μ Sandy Loam 15-18+ 10YR 5/2 60% 10YR 4/4 40% Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) ✓ Depleted Matrix (F3) Thick Dark Surface (A12) Iron-Manganese Masses (F12) ✓ Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks:

Hydrology

					Carandam (Indiantam (Indiantam afterna are indiantam)
Wetland Hydrology Indica		lo roquiro	d. aback all that apply)		Secondary Indicators (minimum of two required)
Primary Indicators (minin	num or one	is required	а; спеск ан тпат арргу)		Surface Soil Cracks (B6)
✓ Surface Water (A1)			☐ Water-Stained Leaves (B9)		Drainage Patterns (B10)
High Water Table (A2)			Aquatic Fauna (B13)		Moss Trim Lines (B16)
✓ Saturation (A3)			Marl Deposits (B15)		Dry Season Water Table (C2)
Water Marks (B1)			☐ Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)			Oxidized Rhizospheres along Liv	ing Roots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift deposits (B3)			Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)			Recent Iron Reduction in Tilled	Soils (C6)	Geomorphic Position (D2)
☐ Iron Deposits (B5)			☐ Thin Muck Surface (C7)		Shallow Aquitard (D3)
☐ Inundation Visible on Ae	rial Imagery	(B7)	Other (Explain in Remarks)		☐ Microtopographic Relief (D4
Sparsely Vegetated Cond	cave Surface	(B8)			FAC-Neutral Test (D5)
					_ ,
Field Observations:					
Surface Water Present?	Yes 💿	No O	Depth (inches): 4		
Water Table Present?	Yes 🔾	No 💿	Depth (inches):		vdrology Present? Yes No
Saturation Present? (includes capillary fringe)	Yes	No \bigcirc	Depth (inches):	Wetland Hy	ydrology Present? Yes $lacktriangle$ No $lacktriangle$
Describe Recorded Data (stream gau	ge, monite	oring well, aerial photos, previous	inspections), if a	vailable:
Remarks:					

cant/Owner: stigator(s): _B. Workman, A. Robedee		Landform	(hillslope, t	State: NY Sampling Point: P-1U terrace, etc.): Flat
ap Unit Name: Niagara silt loam, 0 to 4 percent slo	nos			Cover Type: OF
Niagara siit loam, 0 to 4 percent sic	pes			
matic/hydrologic conditions on the site typical for th	is time of year?	y Ye	s • No	(If no, explain in Remarks.)
egetation . , Soil . , or Hydrology .	significantly			Iormal Circumstances" present? Yes No
egetation , soil , or Hydrology	naturally pro			, , , , , , , , , , , , , , , , , , ,
				eded, explain any answers in Remarks.)
nmary of Findings - Attach site map s	showing sa	mpling p	oint loc	ations, transects, important features, e
ophytic Vegetation Present? Yes No			Sampled A	
dric Soil Present? Yes No •				al Wetland Site ID:
and Hydrology Present? Yes No No			yes, option	ar wettand Site 15.
marks:				
g # P-3, Photo # 87SW				
GETATION - Use scientific names of p	lants.	Dominant		
·	Absolute	Species? Rel.Strat.	Indicator	Dominance Test worksheet:
ee Stratum (Plot size: 30' Radius)	% Cover	Cover	Status	Number of Dominant Species
		0.0%		That are OBL, FACW, or FAC:
		0.0%		Total Number of Dominant
		0.0%		Species Across All Strata:3(B)
		0.0%		Percent of dominant Species
				That Are OBL, FACW, or FAC: 33.3% (A/E
pling/Shrub Stratum (Plot size: 15' Radius)		= TOTAL COVE	<u>:1</u>	Prevalence Index worksheet:
Rhus typhina	25	✓ 100.0%	UPL	Total % Cover of: Multiply by:
		0.0%		0BL species0 x 1 =0
	0	0.0%		FACW species 25 x 2 = 50
	0	0.0%		FAC species 40 x 3 = 120
	0	0.0%		FACU speci es <u>85</u> x 4 = <u>340</u>
rb Stratum (Plot size: 5' Radius)	25	= Total Cove	<u>er</u>	UPL speci es $\frac{25}{100}$ x 5 = $\frac{125}{100}$
Symphyotrichum novae-angliae	10	6.7%	FACW	Column Totals: <u>175</u> (A) <u>635</u> (B
Solidago canadensis	85	✓ 56.7%	FACU	Prevalence Index = B/A = 3.629
Cornus alba	15	10.0%	FACW	Hydrophytic Vegetation Indicators:
Poa sp.	40	26.7%	FAC	Rapid Test for Hydrophytic Vegetation
		0.0%	-	Dominance Test is > 50%
		0.0%		Prevalence Index is ≤3.0 ¹
		0.0%		Morphological Adaptations ¹ (Provide supporting
		0.0%		data in Remarks or on a separate sheet)
	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
oody Vine Stratum (Plot size:)	150	= Total Cove	er	1 Indicators of hydric soil and wetland hydrology mus
				be present, unless disturbed or problematic.
		0.0%		Hydrophytic
				Vegetation Present? Yes No No
		- IULAI UUVE	-1	FIGSCIIL:

Soil Sampling Point: P-1U Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре (inches) 0-12 10YR 4/3 95% 10YR 5/6 5% С Μ Silty Clay Loam С 12-18 10YR 4/4 95% 10YR 5/6 5% M Fine Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: No 💿 Yes O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 Wetland Hydrology Present? Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Landform (hillslope, terrace, etc.): Flat	t-12
cellmatic/hydrologic conditions on the site typical for this time of year? re climatic/hydrologic conditions on the site typical for this time of year? re vegetation	P-1W
e climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes No No Ver Vegetation Soil Or Hydrology Inaturally problematic? (If needed, explain any answers in Remarks.) Summary of Findings - Attach site map showing sampling point locations, transects, important feature Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No No If yes, optional Wetland Site ID: Wetland Hydrology Present? Yes No No Hydrosphytic Vegetation Present? Yes No No Hydric Soil Present? Yes No No Hydrosphytic Vegetation Present Present Yes No No Hydrosphytic Vegetation Present Present Present Present? Yes No No Hydrosphytic Vegetation Present Presen	
Summary of Findings - Attach site map showing sampling point locations, transects, important feature by the dependence of the state o	
Solidary Solidary Solidary Significantly disturbed? Are "Normal Circumstances" present? Yes No No No No No No No N	
Solidary	\bigcirc
Summary of Findings - Attach site map showing sampling point locations, transects, important feature Hydrophytic Vegetation Present? Yes	0
Hydrophytic Vegetation Present? Yes ● No ○ No ○ Hydric Soil Present? Yes ● No ○ Is the Sampled Area within a Wetland? Yes ● No ○ If yes, optional Wetland Site ID:	es. et
Hydric Soil Present? Yes No If yes, optional Wetland Site ID: Remarks: Flag # P-3, Photo # 86S VEGETATION - Use scientific names of plants. Dominant Species? Tree Stratum (Plot size: 30' Radius) Absolute % Cover (Cover Status Stratus (Plot size: 15' Radius) Dominant Species That are OBL, FACW, or FAC: 3 3 1. Acer saccharinum 50 100.0% FACW Total Number of Dominant Species That are OBL, FACW, or FAC: 3 3 2.	
VEGETATION - Use scientific names of plants. Species? Indicator Status	
VEGETATION - Use scientific names of plants. Tree Stratum (Plot size: 30' Radius) Absolute % Cover Status Indicator Status Number of Dominant Species 7 hat are OBL, FACW, or FAC: 3 3 3 3 3 3 3 3 3 3	
VEGETATION - Use scientific names of plants. Dominant Species? Rel.Strat. Vecver Absolute Species? Rel.Strat. Vecver Absolute Species? Rel.Strat. Vecver Indicator Status Number of Dominant Species That are OBL, FACW, or FAC: 3 1. Acer saccharinum 50 100.0% FACW Total Number of Dominant Species That are OBL, FACW, or FAC: 3 2	
Absolute	
Tree Stratum (Plot size: 30' Radius)	
Tree Stratum (Plot size: 30' Radius)	
Tree Stratum (Plot size: 30' Radius) % Cover Cover Status	
1. Acer saccharinum 50 ✓ 100.0% FACW That are OBL, FACW, or FAC: 3 2. 0 0.0% Total Number of Dominant Species Across All Strata: 3 4. 0 0.0% Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% 5. 50 = Total Cover Total Number of Dominant Species That Are OBL, FACW, or FAC: 100.0% 1. Cornus amomum 10 ✓ 100.0% FACW Prevalence Index worksheet: Total % Cover of: Multiply by: 2. 0 0.0% FACW Speciles 0 x 1 = 0 PACW speciles 155 x 2 = 310 PACW speciles 155 x 2 = 310 PACW speciles 5 x 4 = 20 PACW speciles 6 PACW speciles	
3.	(A)
3.	
5. Description of dominant Species That Are OBL, FACW, or FAC: 100.0% Sapling/Shrub Stratum (Plot size: 15' Radius) Prevalence Index worksheet:	(B)
Sapling/Shrub Stratum (Plot size: 15' Radius 10	
Sapling/Shrub Stratum (Plot size: 15' Radius) 1. Cornus amomum 10 ✓ 100.0% FACW Total % Cover of: Multiply by: Total % Cover of: Total % Cover of: Total % Cover of: Multiply by: Total % Cover of: Total	(A/B)
1. Cornus amomum 10 ✓ 100.0% FACW Total % Cover of: Multiply by: 2. 0 0.0% OBL speciles 0 x 1 = 0 3. 0 0.0% FACW speciles 155 x 2 = 310 4. 0 0.0% FAC speciles 0 x 3 = 0 5. 0 0.0% FACU speciles 5 x 4 = 20 Herb Stratum (Plot size: 5' Radius) 10 = Total Cover UPL speciles 0 x 5 = 0 1. Phragmites australis 95 ✓ 95.0% FACU FACU speciles 0 x 5 = 0 2. Tussilago farfara 5 5.0% FACU Prevalence Index = B/A = 2.063 4. 0 0.0% Hydrophytic Vegetation Indicators: 5. 0 0.0% Rapid Test for Hydrophytic Vegetation 6. 0 0.0% Dominance Test is > 50%	
2. 0 0.0% OBL species 0 x 1 = 0 3. 0 0.0% FACW species 155 x 2 = 310 4. 0 0.0% FAC species 0 x 3 = 0 5. 0 0.0% FACU species 5 x 4 = 20 Herb Stratum (Plot size: 5' Radius) 10 = Total Cover UPL species 5 x 4 = 20 1. Phragmites australis 95 ✓ 95.0% FACU Col umn Total s: 160 (A) 330 2. Tussilago farfara 5 5.0% FACU Prevalence Index = B/A = 2.063 3. 0 0.0% Hydrophytic Vegetation Indicators: 4. 0 0.0% Rapid Test for Hydrophytic Vegetation 5. 0 0.0% Dominance Test is > 50%	
3.	_
4. 0 0.0% FAC species 0 x 3 = 0 5. 0 0.0% FACU species 5 x 4 = 20 Herb Stratum (Plot size: 5' Radius) 10 = Total Cover UPL species 0 x 5 = 0 1. Phragmites australis 95 95.0% FACU Col umn Total s: 160 (A) 330 2. Tussilago farfara 5 5.0% FACU Prevalence Index = B/A = 2.063 4. 0 0.0% Hydrophytic Vegetation Indicators: 5. 0 0.0% Rapid Test for Hydrophytic Vegetation 6. 0 0.0% Dominance Test is > 50%	
5. 0 0.0% FACU species 5 x 4 = 20 Herb Stratum (Plot size: 5' Radius) 10 = Total Cover UPL species 0 x 5 = 0 1. Phragmites australis 95 ✓ 95.0% FACW Col umn Total s: 160 (A) 330 2. Tussilago farfara 5 5.0% FACU Prevalence Index = B/A = 2.063 3. 0 0.0% Hydrophytic Vegetation Indicators: 4. 0 0.0% Rapid Test for Hydrophytic Vegetation 5. 0 0.0% Dominance Test is > 50%	
1. Phragmites australis 2. Tussilago farfara 3.	
2. Tussilago farfara 5 5.0% FACU Prevalence Index = B/A = 2.063 3. 0 0.0% Hydrophytic Vegetation Indicators: 5. 0 0.0% Rapid Test for Hydrophytic Vegetation 6. 0 0.0% Dominance Test is > 50%	
3.	(B)
3.	
4. 0 0.0% 5. 0 0.0% 6. Rapid Test for Hydrophytic Vegetation ✓ Dominance Test is > 50%	
$ \begin{array}{c c} \hline 0 & 0.0\% \\ \hline 0 & 0.0\% \end{array} $ Dominance Test is > 50%	
0	
7. Prevalence Index is ≤3.0 ¹	
8. 0 0 0.0% Morphological Adaptations 1 (Provide supp	ortina
9. 0.0% data in Remarks or on a separate sheet)	orting
10. Problematic Hydrophytic Vegetation ¹ (Ex	<u>lain)</u>
Woody Vine Stratum (Plot size:) 100 = Total Cover 1 Indicators of hydric soil and wetland hydrolo	av muct
be present, unless disturbed or problematic.	jy must
1	
2. O O O O O O O O O O O O O O O O O O O	
<u> </u>	
Remarks: (Include photo numbers here or on a separate sheet.	
· · · · · · · · · · · · · · · · · · ·	

Soil Sampling Point: P-1W Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре 0-12 10YR 3/1 98% 10YR 4/4 2% С Μ Silt Loam 12-20 10YR 5/6 100% Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) ✓ Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes No O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) ✓ Surface Water (A1) ✓ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) ✓ Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) ✓ FAC-Neutral Test (D5) Field Observations: No O Yes Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes No O Wetland Hydrology Present? Saturation Present? Yes No O Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

Map Unit Name: Collamer sitt loam, 2 to 6 percent slooes	plicant/Owner:		State: NY Sampling Point: UP-1 Landform (hillslope, terrace, etc.): Flat					
Similaritic/hydrologic conditions on the site typical for this time of year? Yes No	ostigator (c): _b. Workman, At Rosedto	Landroim (imistope	1141					
Segetation	Map Unit Name: _Collamer silt loam, 2 to 6 percent slo	pes	Cover Type: SSU					
Vegetation			-					
Vogetation	climatic/hydrologic conditions on the site typical for this	s time of year? Yes No						
rmmary of Findings - Attach site map showing sampling point locations, transects, important features, endrophytic Vegetation Present? Yes	Vegetation . , Soil . , or Hydrology .	significantly disturbed? Are	Normal Circumstances" present? Yes No					
Is the Sampled Area Wes No Post	Vegetation . , Soil . , or Hydrology .	naturally problematic? (If n	eeded, explain any answers in Remarks.)					
Is the Sampled Area Wes No Percent Yes	ımmary of Findings - Attach site map sh	nowing sampling point lo	cations, transects, important features, e					
If yes, optional Wetland Site ID:		Is the Sampleo	I Area					
temarks: ag #F-5, Photo # 31NW FEGETATION - Use scientific names of plants. Species Spec		within a Wetla	nd? Yes ○ No •					
Remarks:	0 0	If yes, option	nal Wetland Site ID:					
	, , , , , , , , , , , , , , , , , , ,							
Absolute Scale								
Absolute Rel.Strat. Rel.S	3							
Absolute Species Species Species Stratus Cover Status Species Stratus Species Species Species Stratus Species Species Species Species Species Species Species Stratus Species Speci	FOFTATION							
	EGETATION - Use scientific names of pia	Species?						
Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)	Tree Stratum (Plot size: 30' Radius)	04.0	Dominance Test worksheet:					
0								
0			That are OBL, FAGW, OF FAG.					
	3.	0 0.0%						
D	1		Species Across Air Strata (b)					
2	5	0 0.0%						
1. Fraxinus americana 2. Rhamnus cathartica 3.	Conting/Shrub Stratum / Diet size. 15' Padius	0 = Total Cover	That are OBL, FACW, or FAC:					
2. Rhamnus cathartica 30 ✓ 40.0% FAC OBL speciles 0 x 1 = 0 3. 0 0.0% FACW speciles 0 x 2 = 0 4. 0 0.0% FACW speciles 0 x 2 = 0 5. 0 0.0% FACW speciles 0 x 2 = 0 4. 0 0.0% FACW speciles 0 x 4 = 320 Herb Stratum (Plot size: 5' Radius) 75 = Total Cover UPL speciles 10 x 5 = 50 1. Poa sp. 70 ✓ 51.9% FAC UPL speciles 10 x 5 = 50 2. Gallum mollugo 5 3.7% UPL Uples speciles 10 x 5 = 50 Col umn Totals: 210 (A) 730 (B 9. Aster sp. 20 14.8% FAC FACU speciles B/A = 3.476 4. Solidago canadensis 30 22.2% FACU speciles B/A = 3.476 7. Aster sp. 20 14.8% FAC 6. Achillea millefolium 5 3.7% FACU speciles B/A = 3.476 7. Secondary in the problematic speciles 0 0.0% Dominance Test for Hydrophytic Vegetation speciles 8. One problematic hydrophytic vegetation in Remarks or on a separate								
3.								
4. 0								
5.								
FACU species So X 4 = S2U								
1. Poa sp. 2. Galium mollugo 3. Asclepias syriaca 4. Solidago canadensis 5. Aster sp. 6. Achillea millefolium 7. 8. 9. 0. 0. 0. 0. 0. 0. 0. 0. 0			7.700 Species					
2. Galium mollugo 3. Asclepias syriaca 4. Solidago canadensis 5. Aster sp. 6. Achillea millefolium 7. 0 0 0.0% 8. 0 0 0.0% 9. 0 0.0% 9. 0 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0			-					
3. Asclepias syriaca 5	•		Column Totals: <u>210</u> (A) <u>/30</u> (B					
4. Solidago canadensis 30			Prevalence Index = B/A = 3.476					
5. Aster sp. 6. Achillea millefolium 7. 8. 9. 0			Hydrophytic Vegetation Indicators:					
6. Achillea millefolium 5		00	Rapid Test for Hydrophytic Vegetation					
7. 0 □ 0.0% 8. 0 □ 0.0% 9. 0 □ 0.0% 10.0% 135 = Total Cover 1. 0 □ 0.0% 1. 0 □ 0.0% 1. 0 □ 0.0% 1. 0 □ 0.0% 2. □ Prevalence Index is ≤3.0 ¹ □ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) □ Problematic Hydrophytic Vegetation ¹ (Explain) □ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Vegetation			☐ Dominance Test is > 50%					
9. 0 0.0% data in Remarks or on a separate sheet) 0. 0 0.0% Problematic Hydrophytic Vegetation 1 (Explain) 1. 0 0.0% 1. 0 0.0% 2. 0 0.0% 1. Hydrophytic vegetation 1 (Explain) 1. Hydrophytic vegetation 1 (Explain) 1. Vegetation Vegetati	7.	0 0.0%	Prevalence Index is ≤3.0 ¹					
0.		0 0.0%						
Woody Vine Stratum (Plot size:) 135 = Total Cover 1 Indicators of hydric soil and wetland hydrology mu be present, unless disturbed or problematic. 1. 0 0.0% Hydrophytic Vegetation Vegetation		0						
1. 0 0.0% 2. 0.0% Hydrophytic Vegetation Vegetation	U	0 0.0%	Problematic Hydrophytic Vegetation * (Explain)					
1	Woody Vine Stratum (Plot size:)	135 = Total Cover						
2 0	 1.	0	be present, unless disturbed or problematic.					
	emarks: (Include photo numbers here or on a separate							

Soil Sampling Point: UP-1 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Color (moist) % Color (moist) Loc2 **Texture** Remarks (inches) Rocky below 0-12 10YR 4/3 100% Silt Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes 🔾 No • **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: No 💿 Yes O Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 Wetland Hydrology Present? Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

Summary of Findings - Attack site map showing sampling point locations, transects, important features, et livycopytic Vegetation	roject/Site: IDA-2033A/OCIDA-Sewer/Road Improvements	Cit	ty/County:	Clay/Onond	daga Sampling Date: 27-Sep-12
e climatic/hydrologic conditions on the site typical for this time of year? Yes ● No ○ (If no, explain in Remarks.) Are 'Normal Circumstances' present? Yes ● No ○ (If no, explain in Remarks.) Are 'Normal Circumstances' present? Yes ● No ○ (If no, explain in Remarks.) Are 'Normal Circumstances' present? Yes ● No ○ (If no, explain in Remarks.) Are 'Normal Circumstances' present? Yes ● No ○ (If no, explain in Remarks.) Are 'Normal Circumstances' present? Yes ● No ○ (If no, explain in Remarks.) Are 'Normal Circumstances' present? Yes ● No ○ (If no, explain in Agency in the state of the purpose of	pplicant/Owner:				State: NY Sampling Point: UP-2
Colimatic/hydrologic conditions on the site typical for this time of year?	nvestigator(s): B. Workman, A. Robedee		Landform	(hillslope, t	errace, etc.): Flat
re Vegetation	oil Map Unit Name: Ontario gravelly loam, 8 to 15 pero	cent slopes			Cover Type: OF
re Vegetation				O (
Solimary of Findings - Attach site map showing sampling point locations, transects, important features, etc.		-			(······, ··· -
Suppling/Shrub Stratum Plot size: 15' Radius Suppling/Shrub Stratum Plot size:		significantly o	disturbed?	Are "N	ormal Circumstances" present? Yes ♥ No ○
Status Prevalence Index worksheet: Sapillar/Shrub Stratum Plot size: 15' Radius Sapillar/Shrub Stratum Sapillar/Shrub Stratum Sapillar/Shrub Stratum Plot size: 15' Radius Sapillar/Shrub Stratum Sapillar/Shrub Shrub	-				
Wetland Hydrology Present? Yes No		3110WIIII 3ai	Is the	Sampled A	Area
Prevalence Index worksheet: Total Remorks (Are) Total Cover	0 0				
Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)	0 0		If	yes, optiona	al Wetland Site ID:
Prevalence Index worksheet:	, ,,				
Absolute Rel. Strat Rel.					
Absolute Rel. Strat Rel.					
Absolute Rel. Strat Rel.					
Absolute Rel. Strat. Indicator Status Cover S	VEGETATION - Use scientific names of p	plants.			
1. 0 0.0% Number of Dominant Species That are OBL, FACW, or FAC: 0 (A) 2. 3. 0 0.0% Total Number of Dominant Species That are OBL, FACW, or FAC: 0 (A) 5. 0 0.0% Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B) 5. 0 0.0% That Are OBL, FACW, or FAC: 0.0% (A/B) 1. 0 0.0% That Are OBL, FACW, or FAC: 0.0% (A/B) 2. 0 0.0% That Are OBL, FACW, or FAC: 0.0% (A/B) 2. 0 0.0% That Are OBL, FACW, or FAC: 0.0% (A/B) 2. 0 0.0% FACW Cover of: Multiply by: 0.0% Nultiply by: 0.0% 0.0% FAC Species 0.0% X 1 = 0 0.0% Nultiply by: 0.0% Nultiply by: 0.0% 0.0% Nultiply by: 0.0% 0.0% Nultiply by: 0.0% Nultiply by: 0.0% Nultiply by: 0.0% Nultiply by: 0.0%	Tree Stratum (Plot size: 30' Radius)		Rel.Strat.		Dominance Test worksheet:
2.				Jidius	
3.			\neg		That are OBL, FACW, or FAC: (A)
4.	3		\neg		0
Description			\neg		Species Across All Strata: (B)
Sapling/Shrub Stratum (Plot size: 15' Radius)					
1.				er	That Are OBL, FACW, or FAC: 0.0% (A/B)
2. 0 0.0% OBL species 0 x 1 = 0 3. 0 0.0% FACW species 10 x 2 = 20 4. 0 0.0% FACW species 10 x 3 = 0 5. 0 0.0% FACU species 0 x 3 = 0 FACU species 0 x 4 = 360 UPL species 35 x 5 = 175 1. Fragaria virginiana 5 3.7% FACU species 90 x 4 = 360 2. Oxalis stricta 5 3.7% FACU species 90 x 4 = 360 3. Daucus carota 35 2.5.9% UPL Hydrophytic Vegetation Prevalence Index = B/A = 4.111 4. Achillea millefolium 5 3.7% FACU species 90 x 4 = 360 5. Ambrosia artemisiifolia 60 44.4% FACU species 90 x 4 = 360 6. Dichanthelium clandestinum 10 7.4% FACW FACW species BYPrevalence Index = B/A = 4.111 8. 0 0.0% Prevalence Index = B/A = 4.111 9. 0 0.0% Prevalence Index is ≤3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) 1. Indicators of hydric soil and wetland hydrology mus be present, unless disturb	Sapling/Shrub Stratum (Plot size: 15' Radius)				Prevalence Index worksheet:
2. 0 0.0% OBL species 0 x 1 = 0 3. 0 0.0% FACW species 10 x 2 = 20 4. 0 0.0% FACW species 10 x 2 = 20 5. 0 0.0% FACW species 0 x 3 = 0 1. Fragaria virginiana 5 3.7% FACU FACU species 90 x 4 = 360 2. Oxalis stricta 5 3.7% FACU Prevalence index = 8/A = 4.111 3. Daucus carota 35 25.9% UPL 4. Achillea millefolium 5 3.7% FACU 5. Ambrosia artemisiifolia 60 44.4% FACU 6. Dichanthelium clandestinum 10 7.4% FACW 7. Picris sp. 15 11.1% FACU 8. 0 0.0% 9. 0 0.0% 10. 0.0% Woody Vine Stratum (Plot size:) 135 Total Cover 1 Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. 1. Indicators of hydric soil and wetland bydrolo	1.	0	0.0%		Total % Cover of: Multiply by:
4.	2	0	0.0%		0BL speci es0 x 1 =0
5	3		0.0%		FACW species
Herb Stratum (Plot size: 5' Radius)			0.0%		FAC species x 3 =
1. Fragaria virginiana 5	5		0.0%		FACU species $90 \times 4 = 360$
2. Oxalis stricta 3. Daucus carota 4. Achillea millefolium 5. Ambrosia artemisiifolia 6. Dichanthelium clandestinum 7. Picris sp. 8. 0 0 0.0% 9. 0 0.0% Woody Vine Stratum (Plot size:) 1. 0 0 0.0% Woody Vine Stratum (Plot size:) 1. 0 0 0.0% 2. 0 0.0% 1. 0 0.0%	Herb Stratum (Plot size: 5' Radius)		= Total Cove	<u>er</u>	UPL species $\frac{35}{}$ x 5 = $\frac{175}{}$
3. Daucus carota 4. Achillea millefolium 5. Ambrosia artemisiifolia 6. Dichanthelium clandestinum 7. Picris sp. 8. 0 0 0.0% 9. 0 0.0% 9. 0 0.0% 10. 0 0.0% Woody Vine Stratum (Plot size:) 135 = Total Cover 1. 0 0 0.0% 2. 0 0.0% 1. 0 0.0% 1. 0 0.0% 2. 135 = Total Cover 2. 0 0.0% 2. 14.4% FACU 3.7% FACU 4.4.4% FACU 5. Ambrosia artemisiifolia 6. 0 ✓ 44.4% FACU 7. Picris sp. 8. 0 0.0% 9. 0 0.0% 9. 0 0.0% 1. 135 = Total Cover 1. Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1. Fragaria virginiana	5	3.7%	FACU	Column Totals: <u>135</u> (A) <u>555</u> (B)
3. Daucus carota 35 ✓ 25.9% UPL Hydrophytic Vegetation Indicators: 4. Achillea millefolium 5 3.7% FACU Rapid Test for Hydrophytic Vegetation 5. Ambrosia artemisiifolia 60 ✓ 44.4% FACU Dominance Test is > 50% 6. Dichanthelium clandestinum 10 7.4% FACU Prevalence Index is ≤ 3.0 ¹ 8. 0 0.0% Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 9. 0 0.0% Problematic Hydrophytic Vegetation ¹ (Explain) 10. 135 = Total Cover ¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. 1. 0 0.0% Hydrophytic Vegetation ¹ (Explain)	2. Oxalis stricta	5	3.7%	FACU	Prevalence Index = R/A = 4 111
4. Achillea millefolium 5. Ambrosia artemisiifolia 6. Dichanthelium clandestinum 7. Picris sp. 8. 0 0 0.0% 9. 0 0.0% 10. 0 0.0% 10. 0 0.0% 10. 0 0.0% 10. 0 0.0% 10. 0 0.0% 10. 0 0.0% 10. 0 0.0% 10. 0 0.0% 10. 0 0.0% 10. 0 0.0% 11. 0 0 0.0% 12. 0 0 0.0% 135 = Total Cover 1 Indicators of hydric soil and wetland hydrology musbe present, unless disturbed or problematic. 1 Hydrophytic Vegetation 1 Indicators of hydric soil and wetland hydrology musbe present, unless disturbed or problematic. 1 Hydrophytic Vegetation 1 Hydrophytic Vegetation 1 Indicators of hydric soil and wetland hydrology musbe present, unless disturbed or problematic. 1 Hydrophytic Vegetation	3 Davieus carata	25	✓ 25.9%	UPL	
6. Dichanthelium clandestinum 7. Picris sp. 8. 9. 10. 11.1% FACU Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) 10. 10. 10. 10. 10. 10. 10. 10		5	3.7%	FACU	
7. Picris sp. 8. 0 0 0.0% 9. 0 0.0% 10. 0.0% Woody Vine Stratum (Plot size:) 135 = Total Cover 1. 0 0.0% 1. 0 0.0		60	44.4%	FACU	
8. 0 0.0% Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 10. 0 0.0% Problematic Hydrophytic Vegetation ¹ (Explain) 1. 0 0.0% 1. 0.0% 1. 0 0.0% 2. 0 0.0% Hydrophytic Vegetation 1 (Explain) 1. Hydrophytic Vegetation 1 (Explain) 1. Hydrophytic Vegetation 1 (Explain)			7.4%	FACW	
9. 0 0.0% data in Remarks or on a separate sheet) 10. 0 0.0% Problematic Hydrophytic Vegetation 1 (Explain) Woody Vine Stratum (Plot size:) 135 = Total Cover 1 Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. 1. 0 0.0% Hydrophytic Vegetation 1 (Explain) 1. Hydrophytic Vegetation 1 (Explain)	Picris sp.		$\overline{}$	FACU	
10.	9				
Woody Vine Stratum (Plot size:) 135 = Total Cover 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 1. 0 0.0% Hydrophytic Vegetation Vegetation 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.					
1. 0 0.0% be present, unless disturbed or problematic. 1. 0 0.0% Hydrophytic Vegetation Vegetation					
1. 0 0.0% Hydrophytic Vegetation	Woody Vine Stratum (Plot size:)		101a1 C0V6	<u>:1</u>	
2 O			0.0%		
	2		0.0%		Vogetation
			= Total Cove	<u>er</u>	
					<u> </u>

Soil Sampling Point: UP-2 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Depth Color (moist) % Color (moist) Loc2 **Texture** Remarks Туре (inches) 0-18 10YR 4/3 100% Silt Loam С 18-22+ 10YR 4/4 95% 10YR 5/4 5% M Silt Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: No 💿 Yes O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 **Wetland Hydrology Present?** Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

Project/Site: _IDA-2033A/OCIDA-Sewer/Road Improvements	City/Count	y: Clay/Onond	daga Sampling Date: 01-Oct-12
pplicant/Owner:			State: NY Sampling Point: UP-3
nvestigator(s): B. Workman, A. Robedee	Landfor	rm (hillslope, t	terrace, etc.): Flat
oil Map Unit Name: Ontario loam, 2 to 8 percent slope	es		Cover Type:DFU
		0 (
e climatic/hydrologic conditions on the site typical for		Yes ● No C	
re Vegetation , Soil , or Hydrology			F
re Vegetation	showing sampling	•	eded, explain any answers in Remarks.) ations, transects, important features, et
Hydrophytic Vegetation Present? Yes No •	Is	the Sampled A	Area
Hydric Soil Present? Yes ○ No ●	Wi	thin a Wetland	105 5 110 5
Wetland Hydrology Present? Yes O No •		If yes, optiona	al Wetland Site ID:
Remarks:			
Photos # 88N, 89S			
VEGETATION - Use scientific names of	nlants. Domina	ant	
VEGETATION OSE SCIENCING NAMES OF	Species Absolute Rel.Str	s?	Dominance Test worksheet:
Tree Stratum (Plot size: 30' Radius)	% Cover Cover	Status	Bollinarios Fost Workshoot.
1. Prunus serotina	60 60.0°	% FACU	Number of Dominant Species That are OBL, FACW, or FAC:3(A)
2. Malus sp.		% FACU	Total Number of Dominant
3		6	Species Across All Strata: 7 (B)
4			Percent of dominant Species
5	0 0.09 100 = Total C		That Are OBL, FACW, or FAC: 42.9% (A/B)
Sapling/Shrub Stratum (Plot size: 15' Radius)		ovei	Prevalence Index worksheet:
1. Rhamnus cathartica	15 🗹 37.5	% FAC	Total % Cover of: Multiply by:
2. Carya cordiformis	25 12.50		0BL species x 1 =0
3.	0 0.09	6	FACW species
4	00.0%	6	FAC species <u>55</u> x 3 = <u>165</u>
5	00.09		FACU species <u>160</u> x 4 = <u>640</u>
Herb Stratum (Plot size: 5' Radius)	40 = Total C	over	UPL species $0 \times 5 = 0$
1. Solidago canadensis	35 46.79	% FACU	Col umn Total s: <u>215</u> (A) <u>805</u> (B)
2. Lonicera sp.	25 🗹 33.30	% FACU	Prevalence Index = B/A = 3.744
3. Toxicodendron radicans	15 <u>✓</u> 20.0°	% FAC	Hydrophytic Vegetation Indicators:
4 5.			Rapid Test for Hydrophytic Vegetation
6.	0 0.09		Dominance Test is > 50%
7.	0		Prevalence Index is ≤3.0 ¹
8.	0 0.09		Morphological Adaptations ¹ (Provide supporting
9.	0 0.09	6	data in Remarks or on a separate sheet)
10.	0 0.09	6	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)		over	¹ Indicators of hydric soil and wetland hydrology must
1	0	6	be present, unless disturbed or problematic.
2.	0 0.09		Hydrophytic
	0 = Total C		Vegetation Present? Yes ○ No ●
Remarks: (Include photo numbers here or on a separa	te sheet.		

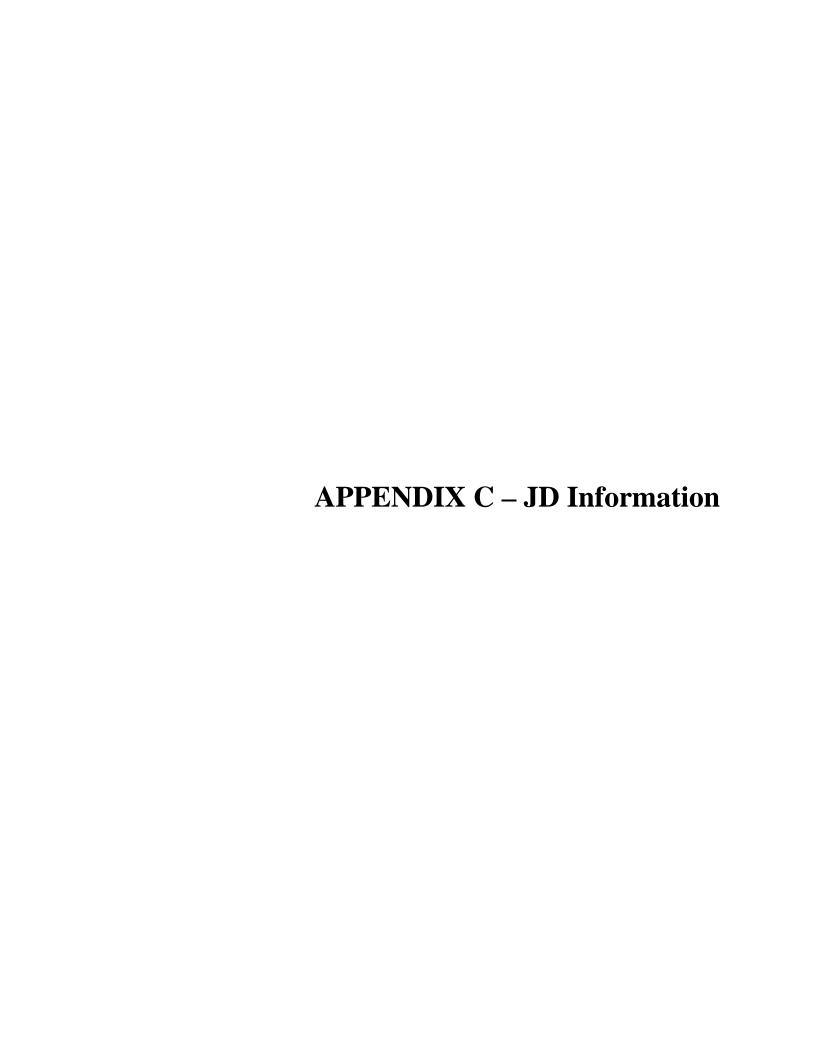
Soil Sampling Point: UP-3 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Color (moist) % Color (moist) Loc2 **Texture** Remarks (inches) 0-11 10YR 4/3 100% Silt Loam 11-18 10YR 4/4 100% Fine Sandy Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: Yes 🔾 No • **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: No 💿 Yes O Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 Wetland Hydrology Present? Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

Sample Marketing Market					Sampling Date: ()1-Oct-12
Soliding Description Soliding Solidi	Dlicant/Owner:			State: NY	_ Sampling Point:_	UP-4
e climatic/hydrologic conditions on the site typical for this time of year? Yes	vestigator(s): B. Workman, A. Robedee	Landform ((hillslope, ter	race, etc.): Flat		
re Vegetation	Map Unit Name: Niagara silt loam, 0 to 4 percent slo	oes		Cover Type	e: <u>OF</u>	
re Vegetation	slimatic/budgalogia conditions on the site tunical for th	is time of year? Vos	No O	(If no ovaloin in	Domarks)	
Sour Source So		,		• • •		No O
Pytric Soil Present? Yes						
### Within a Wetland 2 Yes No	ımmary of Findings - Attach site map s	howing sampling po	oint locat	tions, transects	, important fea	itures, et
Wettand Hydrology Present? Yes No	vdrophytic Vegetation Present? Yes No •				<u> </u>	
Ves	Hydric Soil Present? Yes O No •					
VEGETATION - Use scientific names of plants. Species? Rel. Strat. Species? Status Species? Status Species? Status Species? Status Species? Status Species Status Species Status Species Status Species Status Species Status Species Specie	etland Hydrology Present? Yes O No •	l IT	yes, optional v	wetland Site ID:		
Dominant Species Prevalence Indicator Prevalence Indicators Pre		,				
Absolute Species Species Indicator Cover Status Cover Status Cover Status Cover Status Status Cover Status	110t03 # 7010, 713					
Absolute Species Species Indicator Cover Status Cover Status Cover Status Cover Status Status Cover Status	ICCETATION Use scientific names of al	ants Dominant				
Tree Stratum (Plot size: 30' Radius) % Cover Status	- Ose scientific flames of pr	Species?	Indicator	Daminanaa Taat wad	roho at	
1.	Tree Stratum (Plot size: 30' Radius)	nci.strat.	Status			
2.	1	0 0.0%				(A)
3.				T		
4.	3	0 0.0%			2	(B)
That Are OBL, FACW, or FAC: SUUN (AB)	4			•	-	
Sapiling/Shrub Stratum (Plot size: 15' Radius 1.	5	0 0.0%				% (A/B)
1.	Sapling/Shrub Stratum (Plot size: 15' Radius)	0 = Total Cove	er	THAT ARE OBL, FACTO	, OI FAC.	(" - /
2.						
3.				-	of: Multiply by:	
4.						0
5. 0 0.0% FAC species 50 x 3 = 210 Herb Stratum (Plot size: 5' Radius) 0 = Total Cover UPL FACU species 50 x 4 = 200 1. Centaurea maculosa 55 ✓ 28.2% UPL UPL species 75 x 5 = 375 2. Vicia sp. 5 ○ 2.6% FAC 195 (A) 785 (B) 3. Taraxacum officinale 15 ○ 7.7% FACU Hydrophytic Vegetation Indicators: 4. Galium mollugo 20 ○ 10.3% UPL Hydrophytic Vegetation Indicators: 5. Plantago major 35 ○ 7.7% FACU Rapid Test for Hydrophytic Vegetation 6. Carex sp. 65 ✓ 33.3% FAC ○ 0.0% Prevalence Index is ≤ 3.0 ¹ 9. 0 0.0% Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 10. 0 0.0% Problematic Hydrophytic Vegetation Problematic. 1. Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes No •			F	ACW species	0 x 2 =	0
Herb Stratum (Plot size: 5' Radius)						
1. Centaurea maculosa 55				•		
2. Vicia sp. 3. Taraxacum officinale 4. Galium mollugo 5. Plantago major 6. Carex sp. 7. 0 □ 0.0% 9. 10. Woody Vine Stratum (Plot size:) 1. 0 □ 0.0% 2. 0 □ 10.3% Woody Vine Stratum (Plot size:) 1. 0 □ 0.0% 2. 0 □ 0.0% 2. 0 □ 0.0% 3. Taraxacum officinale 15 □ 7.7% FACU FRCU 10.3% UPL 20 □ 10.3% UPL 35 □ 17.9% FACU 33.3% FAC 35 □ 17.9% FACU 33.3% FAC 35 □ 17.9% FACU 33.3% FAC 35 □ 0.0% 35 □ 17.9% FACU 33.3% FAC 35 □ 0.0% 35 □ 17.9% FACU 33.3% FAC 36 □ 0.0% 36 □ 0.0% 37 □ 0.0% 38 □ 0.0% 38 □ 0.0% 39 □ 0.0% 30 □ 0.0% 30 □ 0.0% 30 □ 0.0% 31 □ Problematic Hydrophytic Vegetation ¹ (Explain) 31 □ 195 □ Total Cover 32 □ 10.0% 33 □ 10.0% 34 □ 10.0% 35 □ 10.3% UPL 36 □ 0.0% 36 □ 0.0% 37 □ 0.0% 38 □ 0.0% 38 □ 0.0% 39 □ 0.0% 30 □ 0.0% 30 □ 0.0% 30 □ 0.0% 31 □ Problematic Hydrophytic Vegetation ¹ (Explain) 31 □ 10.0% 32 □ 10.3% UPL 33 □ 10.3% UPL 34 □ 10.3% UPL 35 □ 10.3% UPL 36 □ 10.3% UPL 36 □ 10.3% UPL 37 □ 10.3% UPL 38 □ 10.3% UPL 38 □ 10.0% □ Prevalence Index = B/A = 4.026 Hydrophytic Vegetation Indicators: □ Rapid Test for Hydrophytic Vegetation □ Dominance Test is > 50% □ Prevalence Index = B/A = 4.026 Hydrophytic Vegetation Indicators: □ Rapid Test for Hydrophytic Vegetation □ Dominance Test is > 50% □ Prevalence Index = B/A = 4.026 Hydrophytic Vegetation Indicators: □ Rapid Test for Hydrophytic Vegetation □ Dominance Test is > 50% □ Prevalence Index = B/A = 4.026 Hydrophytic Vegetation Indicators: □ Rapid Test for Hydrophytic Vegetation □ Dominance Test is > 50% □ Prevalence Index = B/A = 4.026 Hydrophytic Vegetation Indicators: □ Rapid Test for Hydrophytic Vegetation □ Dominance Test is > 50% □ Prevalence Index = B/A = 4.026 Hydrophytic Vegetation Indicators: □ Rapid Test for Hydrophytic Vegetation □ Dominance Test is > 50% □ Prevalence Index = B/A = 4.026 Hydrophytic Vegetation Indicators: □ Rapid Test for Hydrophytic Vegetation □ Dominance Test is > 50% □ Prevalence Index = 50.0% □ Prevalence Index = 50.0% □ North Prevalence Index = 50.0% □ Dominance Test is > 50% □ Dominance Test is > 50% □ Dominance	Herb Stratum (Plot size: 5' Radius)		U	IPL speci es —	$\frac{75}{}$ x 5 = $\frac{3}{}$	375
3. Taraxacum officinale 4. Galium mollugo 20		55 <u>V</u> 28.2%	UPL C	column Totals:	195 (A)	785 (B)
4. Galium mollugo 5. Plantago major 6. Carex sp. 7.	·	52.6%	FAC	Prevalence Index	c = B/A = 4.02	<u>.6</u>
5. Plantago major 6. Carex sp. 7. 8. 9. 17. 9% FACU 0 0.0% 9. 10. Woody Vine Stratum (Plot size:) 1. 0 0.0% 2. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10				Hydrophytic Vegetation	on Indicators:	
Section Sec				Rapid Test for H	vdrophytic Vegetatio	n
7.						
8. 0 0.0% Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) 10. 0 0.0% Problematic Hydrophytic Vegetation 1 (Explain) 1. 0 0.0% 1. 0 0.0% 2. 0 0.0% 2. 0 0.0% 0 = Total Cover Hydrophytic Vegetation Vegetation Present?	7.		FAC			
9.						sunnortina
10.	9.					
Woody Vine Stratum (Plot size:)	0.			Problematic Hyd	rophytic Vegetation 1	(Explain)
1	Woody Vine Stratum (Plot size:)					
2	1	0 0.0%		•	starbed of broblemat	ю.
0 = Total Cover Present? Yes ○ No ●				Vogetation		
Demonto. (Include whate numbers have as an a concrete sheet		0 = Total Cove	er		∪ No ⊙	
Hamanica, (Implieda mineta milimbara hava ay an a canavata abaat						

Soil Sampling Point: UP-4 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Depth Color (moist) Color (moist) Loc2 **Texture** Remarks Туре 0-14 10YR 3/3 100% Silty Clay Loam 14-18 10YR 5/6 90% 10YR 6/1 5% C Μ Clay Loam 10YR 4/3 5% D Μ Clay Loam ¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Stripped Matrix (S6) (Drop in LRR R? Histosol (A1) 2 cm Muck (A10) (LRR K, L, S) Dark Surface (S7) (MLRA 149B of LRR S) Histic Epipedon (A2) Coast Prairie Redox (A16) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR R, S) Black Histic (A3) (except in MLRA 143) 5 cm Mucky Peat or Peat (S3) Thin Dark Surface (S9) (LRR R, S) ☐ Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Polyvalue Below Surface (S8) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) Depleted Matrix (F3) ☐ Thick Dark Surface (A12) Iron-Manganese Masses (F12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Piedmont Floodplain Soils (F19) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Red Parent Material (TF2) Redox Depressions (F8) Sandy Redox (S5) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic. Restrictive Layer (if observed): Type: No 💿 Yes O **Hydric Soil Present?** Depth (inches): Remarks: Hydrology Secondary Indicators (minimum of two required) Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) ■ Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aguatic Fauna (B13) Moss Trim Lines (B16) Marl Deposits (B15) Saturation (A3) Dry Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres along Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) ☐ Thin Muck Surface (C7) Shallow Aquitard (D3) ☐ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4 Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Yes O No 💿 Depth (inches): Surface Water Present? Yes O No 💿 Water Table Present? Depth (inches): Yes 🔾 No 💿 Wetland Hydrology Present? Saturation Present? $_{\text{Yes}} \, \bigcirc$ No 💿 Depth (inches): (includes capillary fringe)

Remarks:

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:



CHECKLIST OF INFORMATION INCLUDED WITH REQUESTS FOR JURISDICTIONAL DETERMINATIONS (JD)

Name (including POC if a corporation or other entity), complete mailing addresses and phone numbers of the following: **Current Property Owner:** Name: Address: Phone Number: **Applicant (Project Sponsor):** Name: Address: Phone Number: **Wetland Consultant:** Name: Terrestrial Environmental Specialists, Inc.. 23 County Route 6, Suite A, Phoenix, New York 13135 Address: Phone Number: 315-695-7228 8½ x 11 Location Map (see Figure 8) showing: • UTM Grid Coordinates • Stream order and location • Head and discharge coordinates of each stream Stream identification (TNWs, perennial RPWs, seasonal RPWs, or non-RPWs) Cover letter (included in report or to be provided) describing the purpose of the request, a 3. general description of the proposed project, the size (acres) of the parcel, and the size of the limits of the project site or review area (if smaller than the parcel). Delineation report, including the following supporting information: 4. Description of any current and/or historic land uses on the site (see Section 4.1 Site **Description**) DEC Wetlands Maps, NWI Maps, Soil Survey Maps (see Figures 2, 3, and 4, respectively) Watershed size, drainage area size (see Figure 8) Discussion of whether tributaries (streams) on the site are TNWs, perennial RPWs, seasonal RPWs, or non-RPWs (see Figures 8 and 9) Waters of the U.S. – indicate presence of waters of U.S. in review area (check all that apply): TNWs, including territorial seas Wetlands adjacent to TNWs Relatively permanent waters (RPWs) that flow directly or indirectly into TNWs Non-RPWs that flow directly or indirectly into TNWs Wetlands directly abutting RPWs that flow directly or indirectly into TNWs

Wetlands adjacent to but not directly abutting RPWs that flow directly or

indirectly into TNWs

CHECKLIST OF INFORMATION INCLUDED WITH REQUESTS FOR JURISDICTIONAL DETERMINATIONS (JD)

Impo	ands adjacent to non-RPWs that flow directly or indirectly into TNWs bundments of jurisdictional waters ted (interstate or intrastate) waters, including isolated wetlands
If wetland on the discuss below:	e site either abuts or is adjacent to a tributary, identify which tributary and
Explanation:	Wetlands A, B, D, I and J are associated with tributaries of Mud Creek. Wetlands L and N are associated with Shaver Creek
If connection to	a TNW, explain connection below:
Explanation:	RPW's on the site have a surface water connection to the Oneida River, a TNW.

- Project wetlands are **0.5-3** aerial (straight) miles and **0.5-3** river miles from TNW.
- Project waters are **0.5-3** aerial (straight) miles and **0.5-3** river miles from TNW.
- Description of tributary substrate composition (e.g. silts, sands, gravel, etc.) (see Section 4.3 Wetlands/Water Resources Descriptions)
- Justification for proposed "isolated" (SWANCC) or non-jurisdictional determinations on any wetlands or streams **N/A**
- Description of vegetative cover types on the site (see Section 4.2 Site Ecology and Section 4.3 Wetlands/Water Resources)
- Wetland Delineation Forms for each cover type (see Appendix B, Field Data Sheets)
- Color photographs of all representative areas of the site (see Appendix A, Photographs)