Wetland and Waterbodies Delineation Report

for

480 Dodge Road

Town of Amherst

Erie County, New York

for

The Green Organization



May 4, 2023 EDI Project Code: **W7D23**

REPORT SUMMARIZING THE RESULTS OF A WETLAND DELINEATION SURVEY OF

480 Dodge Road

Prepared for Submission to:

U.S. ARMY CORPS OF ENGINEERS 1776 NIAGARA STREET BUFFALO, NEW YORK 14207

Prepared By:

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REPORT DATE: May 4, 2023

EDI PROJECT CODE: W7D23

PROJECT INFORMATION

Project Name	480 Dodge Road
Street Address	480 Dodge Road
SBL Number	41.06-1-8.1
Town	Amherst
County	Erie
State	New York
Latitude/Longitude (NAD83)	43.02468°N, -78.77421°W
Investigation Area	5.2± Acres
USGS 7.5 Minute Topographical Map	Tonawanda East Quadrangle
Waterway	NA
Hydrologic Unit Code	04120104
Date of Delineation	May 1, 2023
Consultant	Earth Dimensions, Inc.
	1091 Jamison Road
	Elma, New York 14059
Point of Contact	Scott Livingstone
	(716)655-1717
	slivingstone@earthdimensions.com
Engineer	NA
Property Owner	Arbordale Nursery, Inc.
Authority	Section 404
Permit/Letter Being Requested	Jurisdictional Determination

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EXECUTIVE SUMMARY

The Green Organization has proposed the development of a 5.2± acre parcel located along the north side of Dodge Road in the Town of Amherst, County of Erie, and State of New York. The Green Organization has retained Earth Dimensions, Inc. (EDI) to complete a wetland delineation report that would allow the U.S. Army Corps of Engineers (USACE) and New York State Department of Environmental Conservation (NYSDEC) to determine their jurisdictional authority over the investigation area, pursuant to Section 404 of the Clean Water Act and Articles 15 (Protection of Waters) and 24 (Freshwater Wetlands) of the New York State Environmental Conservation Law. The proposed project does not qualify for Bipartisan Infrastructure Law (BIL) funding.

A preliminary review of available information pertaining to vegetation, soils, and hydrology in the project area was implemented prior to conducting a field investigation at the site. Sources of information included the United States Geological Survey (USGS), Natural Resources Conservation Service (NRCS), National Wetland Inventory (NWI), and NYSDEC Freshwater Wetland maps. The NRCS map indicates the potential for wetlands under federal jurisdiction.

EDI applied methodology specified by the Corps of Engineers Wetlands Delineation Manual (January 1987) and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region Version 2.0 (January 2012) to perform a delineation of Federal jurisdictional wetlands within the site. EDI identified one ditch that drains an upland portion of the site. EDI identified no wetlands or ponds within the investigation area.

TABLE 2: STREAM & DRAINAGE SUMMARY

Stream Identification #	c_1	nic Center (S84)	Waterway	DEC Class	Linear Feet	Highwater Width (Ft)	Flow Regime	Substrate	Classification (Cowardin)	Jurisdictional Determination
	Latitude	Longitude			On-site					
Upland Ditch 1	43.02433	-78.77416	NA	NA	110 feet	2 to 3	Ephemeral	Grass	NA	Non- Jurisdictional

SECTION I: INTRODUCTION

The Green Organization has proposed the development of a 5.2± acre parcel on the north side of Dodge Road in the Town of Amherst, County of Erie, and State of New York. The parcel is part of an existing retail nursery center. The project has been given the name 480 Dodge Road and is located on USGS 7.5 minute quadrangle map indexed as Tonawanda East (Figure 1). The field work was completed on May 1, 2023 using a handheld Trimble TDC650GPS to locate wetland and drainage boundaries.

The Green Organization has retained Earth Dimensions, Inc. (EDI) to complete a wetland delineation study at this site. The investigation was designed to facilitate a determination of the extent of USACE and NYSDEC jurisdiction over the project area pursuant to Section 404 of the Clean Water Act and Articles 15 (Protection of Waters) and 24 (Freshwater Wetlands) of the New York State Environmental Conservation Law.

EDI has performed a wetland delineation study at the site under guidelines specified by the *Corps of Engineers Wetlands Delineation Manual*, dated January 1987 (referred to hereafter as the Corps Manual) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region version 2.0* (January 2012) (referred to hereafter as the Northcentral and Northeast Regional Supplement). The purpose of this report is to present EDI's methods, results, conclusions and recommendations with respect to the 480 Dodge Road project site.

SECTION II: SITE DESCRIPTION

The 480 Dodge Road project area is comprised of a 5.2± acre irregular shaped investigation area on the north side of Dodge Road which is outlined on Figure 1 and depicted on the Wetland Delineation Map included in Appendix A (Figure 6).

The natural topography of the 480 Dodge Road site is flat to gently sloping. The undeveloped upland within the investigation area consisted of successional old fill pad and successional old field communities. The majority of the site is an active nursery with multiple buildings including a retail store, several greenhouses and a large house. The vegetative communities of the investigation area are described according to *Ecological Communities of New York State* (Edinger et al. 2014).

SECTION III: PRELIMINARY DATA REVIEW

A. SUMMARY OF FINDINGS

Several sources of information may be reviewed to facilitate the completion of a wetland delineation study. In some cases, it is even possible to make a preliminary office wetland determination based upon available vegetation, soils, and hydrologic information for a project area. EDI completed a preliminary review of several data sources at the onset of this study. The results of the review are summarized as follows:

1. USGS 7.5 MINUTE TOPOGRAPHICAL MAP

Figure 1 depicts the 480 Dodge Road project site on the Tonawanda East quadrangle map. The figure depicts the flat to gently sloping topography of the site.

2. USFWS NATIONAL WETLANDS INVENTORY MAP

The National Wetlands Inventory (NWI) map obtained from the USFWS Wetland Mapper http://www.fws.gov/wetlands/Data/Mapper.html displays no stream or wetland types within the investigation area.

3. NATURAL RESOURCES CONSERVATION SERVICE SOILS MAP

Figure 3 presents the project area outlined on a copy of the Erie County Soil Survey map from the National Cooperative Soil Survey. As shown on that figure, the site has the following soil types:

Soil Conservation Service Legend

Map Unit	Map Unit Name	Hydric Rating
Symbol		
Cv	Cosad loamy fine sand	10
Lb	Lakemont mucky silt loam	100
Od	Odessa silt loam, 0 to 3% slopes	5

<u>Cosad Series:</u> The Cosad series consists of very deep, somewhat poorly drained soils formed in sandy deposits that overlie clayey lacustrine sediments. They are nearly level soils on lake plains. Slope ranges from 0 to 8 percent. Mean annual temperature is 48°F and mean annual precipitation is 40 inches.

<u>Lakemont Series:</u> The Lakemont series consists of deep, poorly drained and very poorly drained soils of lake plains. They are nearly level soils formed in very slowly permeable reddish colored clayey lacustrine sediments. Slope ranges from 0 to 3 percent. Permeability is moderately slow in the surface and very slow in the subsoil sand substratum. Mean annual temperature is about 48 degrees F. and mean annual precipitation is about 34 inches.

<u>Odessa Series:</u> The Odessa series consists of very deep, somewhat poorly drained soils formed in red, clayey lacustrine deposits. These soils are in moderately low areas on lake plains and valley terraces. Slope ranges from 0 to 20 percent. Mean annual temperature is 8 degrees C (46 degrees F), and mean annual precipitation is 995 mm (39 in).

The U.S. Department of Agriculture's National Technical Committee for Hydric Soils Criteria has developed a list of soils that often display hydric soil characteristics. Hydric soil typically forms in places of the landscape where surface water periodically collects for some time and/or where groundwater discharges sufficient to create waterlogged or anaerobic soils. Such anaerobic soils can support the growth and survival of hydrophytic vegetation that is tolerant of such conditions. The Hydric Rating indicates the proportion of map units that meets the criteria for hydric soils. Soil units are designated as "hydric," "predominantly hydric," "partially hydric," "predominantly nonhydric," or "nonhydric" depending on the hydric rating of its respective components. "Hydric" means that all components listed for a given map unit are rated as being hydric. "Predominantly hydric" means components that comprise 66 to 99 percent of the map unit are rated as hydric. "Partially hydric" means components that comprise 33 to 66 percent of the map unit are rated as hydric. "Predominantly nonhydric" means components that comprise up to 33 percent of the map unit are rated as hydric. "Predominantly nonhydric" means that none of the components are rated as hydric. Wetland hydrologic conditions, hydric soils, and hydrophytic vegetation are the three criteria of a wetland.

4. NYSDEC Freshwater Wetlands Map

The NYSDEC Freshwater Wetlands map obtained from the online NYSDEC Environmental Resource Mapper displays no state jurisdictional Freshwater Wetland within and/or adjacent to the investigation area.

B. RESULTS OF AGENCY INFORMATION REVIEW

The preliminary data review revealed that the Corps may have jurisdiction over wetlands at the project location. The evidence consisted of hydric soils and soils with possible inclusions depicted within the project area as shown on the NRCS map (Figure 3). Therefore, it was considered necessary to perform a field investigation at the site in order to determine the presence of federal and state protected wetlands. The methods specified in the Corps of Engineers Wetlands Delineation Manual (January 1987) and Northcentral and Northeast Regional Supplement Version 2.0 (January 2012) were employed during the field investigation. Procedures, results, and conclusions of the wetland delineation study are presented in the remainder of this report.

SECTION IV: FIELD INVESTIGATION PROCEDURES

WETLANDS:

Step 1

EDI applied methodology specified by the 1987 Corps of Engineers Wetlands Delineation Manual and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region to perform a delineation of Federal jurisdictional wetlands within the site. EDI used the Level 2 Routine Determination method (on-site inspection necessary) since insufficient information was available for making a determination for the entire project area. This methodology is consistent with Part IV, Section D of the Corps Manual.

Step 2

EDI's initial evaluation of the project area revealed that no atypical situations existed. If an atypical situation had existed, EDI would have used methodology outlined in Part IV, Section F of the Corps manual and/or Section 5 of the Northcentral and Northeast Supplement.

Step 3

EDI made the determination that normal environmental conditions were present, as the area was not lacking hydrophytic vegetation or hydrologic indicators due to annual, seasonal or long-term fluctuations in precipitation, surface water, or groundwater levels. The Northcentral and Northeast Supplement defines the growing season as beginning when one of the following indicators of biological activity are evident in a given year: (1) above-ground growth and development of vascular plants and/or (2) soil temperature measured at 12" below ground surface reaches 41°F. The end of the growing season is defined as the point at which deciduous species lose their leaves or the last herbaceous plants cease flowering and their leaves become dry or brown, whichever comes latest.

Step 4

In order to accurately identify the limits of various vegetative communities and extent of wetlands on-site, a routine determination method was used. As depicted in Appendix A and included in Appendix B, four (4) data points were used to characterize the site.

Step 5

The plant community inhabiting each observation point was characterized in accordance with methods specified in the Northcentral and Northeast Regional Supplement. Dominant plant species were identified within four vegetative strata (i.e. herb, sapling/shrub, tree and liana (woody vines) at each sampling point. The Northcentral and Northeast Regional Supplement defines the vegetative strata in the following manner:

Herb – A non-woody individual of a macrophytic species. Seedlings of woody plants (including vines) that are less than 3.28 feet in height are considered to be herbs.

Sapling/Shrub – A layer of vegetation composed of woody plants < 3.0 inches in diameter at breast height but greater than 3.28 feet in height, exclusive of woody vines.

Tree – A woody plant > 3.0 inches in diameter at breast height, regardless of height (exclusive of woody vines)

Liana – A layer of vegetation in forested plant communities that consist of woody vines greater than 3.28 feet in height.

As outlined in the manual, the quadrant sizes used for the vegetative strata were (i) a 3.28-foot radius for herbs; (ii) a ten-foot radius for saplings/shrubs and woody vines; and (iii) a 30-foot radius for trees. Dominant plant species were estimated using aerial coverage methods. Dominant species are defined in the Corps Manual as the most abundant plant species that when ranked in descending order of abundance and cumulatively totaled immediately exceed 50 percent of the total dominance measure for the stratum, plus any additional species comprising 20 percent or more of the total dominance measure.

The wetland indicator status (OBL, FACW, FAC, FACU, or UPL) listed for each identified species by the U.S. Fish and Wildlife Service in the National List of Plant Species that Occur in Wetlands: Northeast (Region 1) was recorded. The U.S. Fish and Wildlife wetland indicator status listings are defined as follows:

OBL – Plants that occur almost always (estimated probability >99 percent) in wetlands under natural conditions, but which may also occur rarely (estimated probability < 1 percent) in nonwetlands.

FACW – Plants that occur usually (estimated probability >67 percent to 99 percent) in wetlands, but also occur (estimated probability 1 percent to 33 percent) in nonwetlands.

FAC – Plants with a similar likelihood (estimated probability 33 percent to 67 percent) of occurring in both wetlands and nonwetlands.

FACU – Plants that occur sometimes (estimated probability 1 percent to <33 percent) in wetlands but occur more often (estimated probability >67 percent to 99 percent) in nonwetlands.

UPL – Plants that occur rarely (estimated probability < 1 percent) in wetlands but occur almost always (estimated probability >99 percent) in nonwetlands under natural conditions.

The plant community data was summarized on the data forms provided in the Northcentral and Northeast Regional Supplement included in this report as Appendix B.

Step 6

Plant data from each observation point were tested against the hydrophytic vegetation criterion specified in the Corps Manual and Northcentral and Northeast Regional Supplement. The Northcentral and Northeast Regional Supplement identifies a four-tiered approach for making a determination of whether or not the hydrophytic vegetation criteria is met for a sample plot. Indicator 1 (Rapid Test for Hydrophytic Vegetation) was first applied to determine if all dominant species across all strata are rated OBL and/or FACW. If Indicator 1 did not meet the hydrophytic vegetation criteria, Indicator 2 was then applied (dominance test); if greater than 50% of all plant species across all strata were rated OBL, FACW, or FAC, the hydrophytic vegetation criteria was considered met. In rare cases, when Indicators 1 and 2 did not meet the hydrophytic vegetation criteria but soils and hydrology criteria were met, Indicators 3 (Prevalence Index) and 4 (Morphological Adaptations) were used to make a final determination. All observation points that met the hydrophytic vegetation criterion were considered potential wetlands. Soils were then characterized.

Step 7

The Corps Manual specifies that soils need not be characterized (and are assumed hydric soils) at sampling points meeting the hydrophytic vegetation criterion if: (i) all dominant plant species have an indicator status of OBL, or (ii) all dominant species have an indicator status of OBL and/or FACW, and the wetland boundary is abrupt (at least one dominant OBL species must be present). All observation points sampled during this field investigation were examined directly for soil and hydrologic characteristics.

Step 8

At observation points requiring a soil evaluation, soil borings were performed by an EDI Soil Scientist using methods specified in the Northcentral and Northeast Regional Supplement. Soil pits were dug using a tile spade. Testpits were generally dug to a depth of 20 inches below ground surface. Soils were examined for any of the hydric soil indicators, as outlined in the Field Indicators of Hydric Soils in the United States. A determination was made as to whether or not the hydric soil criterion was met. Soils data was recorded on the data forms included in Appendix B of this report.

Step 9

EDI's Soil Scientist examined hydrologic indicators using methods specified by the Northcentral and Northeast Regional Supplement at each observation point. The wetland hydrology criterion was met if: (i) one or more primary field indicators was materially present, (ii) available hydrologic records provided necessary evidence, or (iii) two or more secondary indicators were present. Results were recorded on data forms taken from the Corps Manual and are included in this report as Appendix B.

Step 10

A wetland determination was made for every observation point. If a sample plot met the hydrophytic vegetation, hydric soil, and wetland hydrology criteria, the area was considered to be wetland.

<u>Step 11</u>

Based on the results of the transected data, wetland boundaries would have been established for any identified wetland using survey ribbon labeled "wetland delineation" and numbered consecutively along each wetland boundary. As outlined in the Corps Manual, the placement of flags would have been based on the limits of areas where all three parameters were met. However, no wetland areas were identified.

STREAMS & DRAINAGES:

The federally regulated Ordinary High Water (OHW) mark of streams within the Project area were delineated utilizing the definitional criteria as presented in Title 33, Code of Federal Regulations, Part 328, and the USACE Regulatory Guidance Letter 05-05 – Guidance on Ordinary

High Water Mark Identification. Each stream is categorized in regard to its flow regime as perennial, intermittent, or ephemeral, as defined by the USACE. The Ordinary High Water (OHW) mark for each stream is surveyed using the handheld Garmin GPSmap 62s. Each stream is assigned a letter designation, and survey points are numbered consecutively. Substrate characteristics and water depth are noted. Streams classified as AA, A, B, C, C(t), C(ts) and D in the State of New York are regulated by NYSDEC under Article 15 Use and Protection of Waters. Streams are given classifications which designate the level of protection afforded to each waterbody. Class AA and A are assigned to sources of drinking water. Class B streams are best suited for swimming and other contact recreation, but not drinking water. Class C streams identify waters that support fishing and non-contact activities. A classification with (t) designated a stream with the potential to support trout populations. A classification of (ts) identifies waters that may support trout spawning. Class D waters are the lowest classification and are often highly imperiled.

SECTION V: RESULTS AND CONCLUSIONS

Earth Dimensions, Inc. (EDI) has completed a wetland delineation study at the 480 Dodge Road site located in the Town of Amherst, County of Erie, and State of New York. A field investigation was conducted by a Soil Scientist and a Wetland Ecologist from EDI. The wetland delineation study identified no wetlands, streams or ponds within the 480 Dodge Road site.

Figure 5 depicts the vegetative communities as they existed at the time of the investigation. The uplands within the investigation area were comprised of successional old fill pad and successional old field communities. The vegetative communities of the investigation area are described according to Ecological Communities of New York State (Edinger et al. 2014).

The successional old fill pad community was dominated by the following species: eastern cottonwood (*Populus deltoides*), Norway maple (*Acer plantanoides*), black willow (*Salix nigra*), dame's rocket (*Hesperis matronalis*), northern bedstraw (*Galium boreale*), fig leaf buttercup (*Ranunculus ficaria*), common burdock (*Arctium minus*), wild onion (*Allium canadensis*), garlic mustard (*Alliaria petiolata*), teasel (*Dipsacus fullonum*), grey dogwood (*Cornus racemosa*), spotted knapweed (*Centaurea stoebe*), Kentucky bluegrass (*Poa pratensis*), daisy fleabane (*Erigeron philadelphicus*), Queen Anne's lace (*Daucus carota*), bird's foot trefoil (*Lotus corniculatus*), common dandelion (*Taraxacum officinale*), Canada goldenrod (*Solidago canadensis*), black walnut (*Juglans nigra*), common mugwort (*Artemisia vulgaris*), evening primrose (*Oenothera biennis*), chokecherry (*Prunus virginiana*) and catnip (*Nepetia cataria*).

The successional old field community was dominated by the following species: flat topped goldenrod (*Euthamia graminifolia*), teasel (*Dipsacus fullonum*), meadow hawkweed (*Hieracium caespitosum*), orchard grass (*Dactylis glomerata*), grey dogwood (*Cornus racemosa*), Canada thistle (*Cirsium arvense*), garden vetch (*Vicia sativa*), Queen Anne's lace (*Daucus carota*), calico aster (*Symphyotrichum lateriflorum*), common dandelion (*Taraxacum officinale*) and spotted knapweed (*Centaurea stoebe*).

An upland ditch was identified and flows south along the existing driveway to drain a stockpile area in the center of the site. This ephemeral channel is not identified by NYSDEC standards. The substrate consists of vegetation and silt. Within the project area, the ditch is approximately 2 to 3 feet wide with an average water depth of 0-4 inches. EDI utilizes office and field observations to determine stream classifications. The ditch was identified as an ephemeral channel due to it being a manmade feature and not identified on the USGS Topography Map (Figure 1).

A map which depicts the site boundaries and the location of all observation points established during the field survey is included as Figure 6 in Appendix A of this report. Data forms are included as Appendix B. Appendix C includes representative photographs of the project area. Appendix D notes the references used during the preparation of this report and during the field investigation. Appendix E provides the names, addresses and phone numbers of the survey personnel involved in the wetland delineation study.

SECTION VI: RECOMMENDATIONS

One (1) man-made ditch was identified, and no wetland areas or ponds were identified during the course of a field investigation based upon the three-parameter technique (vegetation, soils, and hydrology) outlined in the Corps Manual and Northcentral and Northeast Regional Supplement. It is EDI's professional opinion that the ditch should not be regulated by USACE under Section 404. EDI recommends the following:

(1) Based on the lack of any identified wetlands or streams, it is EDI's professional opinion that the project may proceed without the need for a Section 404 Permit.

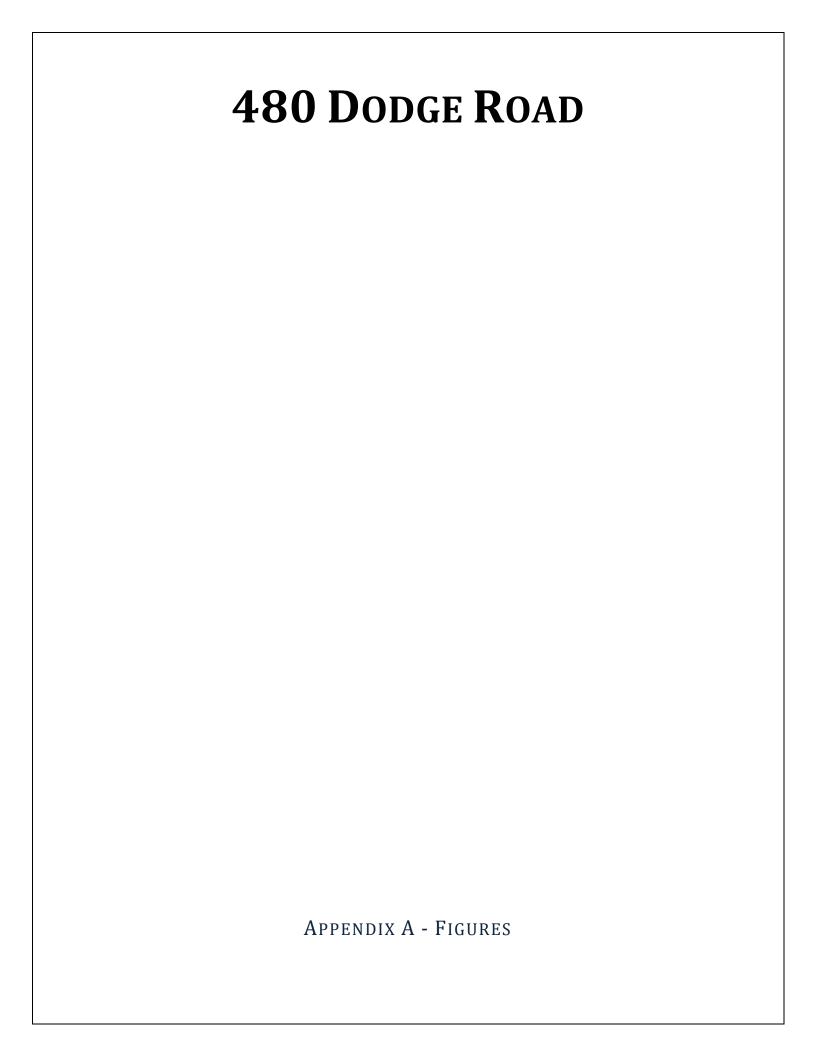




FIGURE 1: USGS 7.5 MINUTE TOPOGRAPHICAL MAP

Tonawanda East Quadrangle / U.S. Geological Survey 480 Dodge Road





FIGURE 2: NATIONAL WETLANDS INVENTORY MAP

http://www.fws.gov/wetlands/data/mapper.HTML (Visited 05/02/23)

480 Dodge Road





FIGURE 3: NRCS SOIL SURVEY MAP

http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx (Visited 05/02/23)

480 Dodge Road



MAP LEGEND

Area of Interest (AOI) 8-Digit Hydrologic Units Area of Interest (AOI) **Transportation** Soils Rails ---**Soil Rating Polygons** Interstate Highways Hydric (100%) **US Routes** Hydric (66 to 99%) Major Roads Hydric (33 to 65%) Local Roads \sim Hydric (1 to 32%) Background Not Hydric (0%) Aerial Photography Not rated or not available Soil Rating Lines Hydric (100%) Hydric (66 to 99%) Hydric (33 to 65%) Hydric (1 to 32%) Not Hydric (0%) Not rated or not available **Soil Rating Points** Hydric (100%) Hydric (66 to 99%) Hydric (33 to 65%) Hydric (1 to 32%) Not Hydric (0%) Not rated or not available **Water Features** Streams and Canals

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15.800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Erie County, New York Survey Area Data: Version 22, Sep 10, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 4, 2020—Jul 10, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Cv	Cosad loamy fine sand	10	4.9	86.7%
Lb	Lakemont mucky silt loam	100	0.4	6.3%
Od	Odessa silt loam, 0 to 3 percent slopes	5	0.4	6.9%
Totals for Area of Intere	est	1	5.6	100.0%



FIGURE 4: NYSDEC ENVIRONMENTAL RESOURCE MAPPER

https://gisservices.dec.ny.gov/gis/erm/ (Visited 05/02/23)

480 Dodge Road





480 Dodge Road-SBL#41.06-1-8.1 Figure 5: General Vegetation Map

Town of Amherst Erie County, New York

Map Date: May 2, 2023 JMC/EDI Revised: Scale: As shown

Base Map Provided By: TRIMBLE CONNECT

File Name: VEGMAP DWG

EDI Project Code: W7D23

SCALE വ്

storage area

Successional Old Fill Pad

Successional Old Fill Pad

Successional Old Fill Pad

Plant Stagifg Areas

Successional ald Fill Pad

Building

Successional Old Field

DODGE ROAD

Parking lot

Building

Mown Lawn

DITCH: 170± (f

LEGEND



Investigation Area

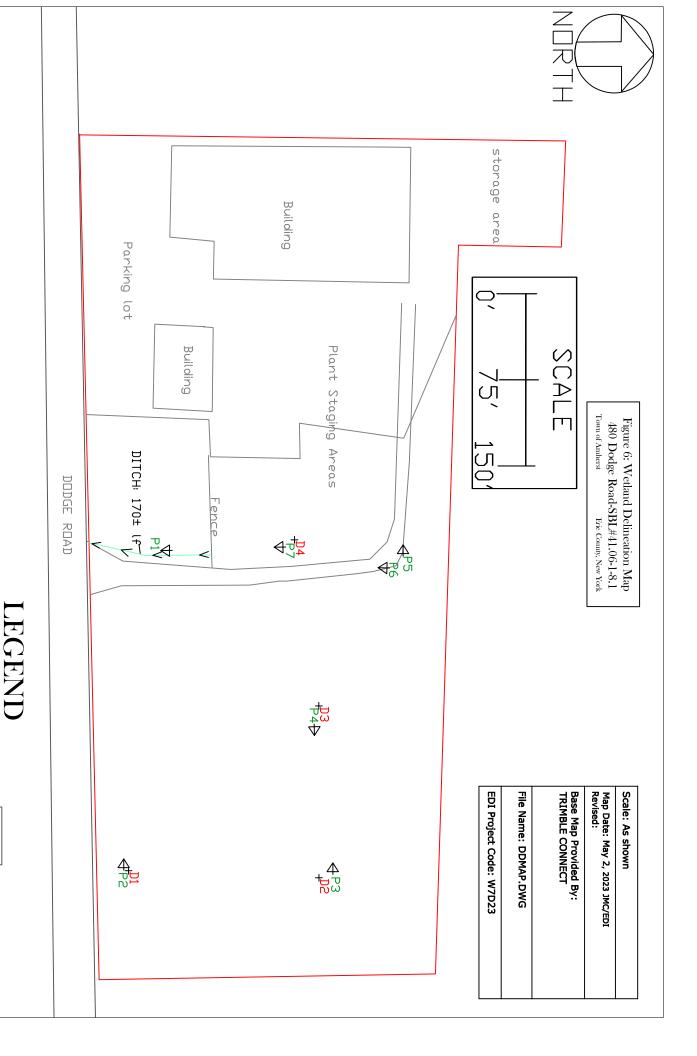


Drainage Feature





Data point location



EARTH DIMENSIONS, INC.

Data point location

PI A

Photo Location

Investigation Area

Drainage Feature

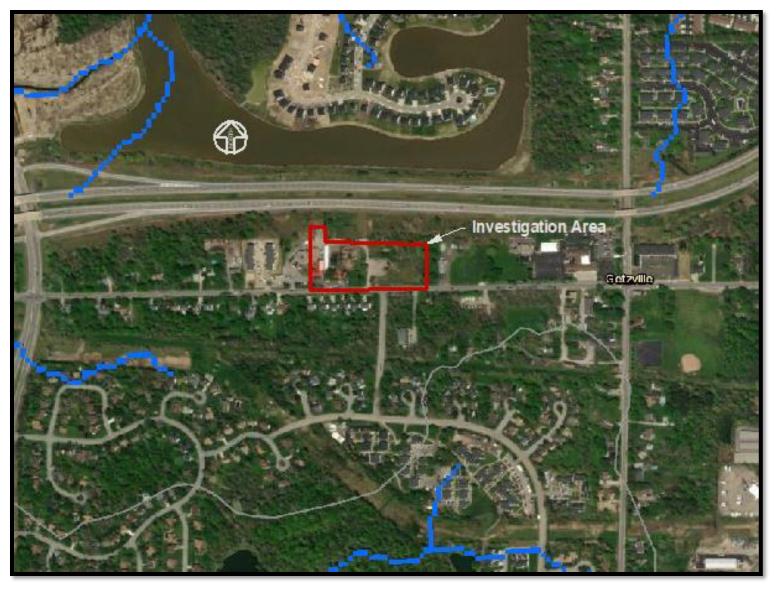


FIGURE 7: DRAINAGE MAP

https://streamstats.usgs.gov/ss/ (Visited 05/02/23)

480 Dodge Road





FIGURE 8: SITE AERIAL PHOTOGRAPH

 $https://gis.erie.gov/Html5Viewer133/index.html?viewer=ErieCountyNY.HTML5_2_11_0$

480 Dodge Road





FIGURE 9: AERIAL PHOTO WITH WETLANDS

https://earth.google.com/web/ (Visited 05/02/23)

480 Dodge Road





FIGURE 10: SOIL MAP WITH WETLANDS

https://earth.google.com/web/ (Visited 05/02/23)

480 Dodge Road



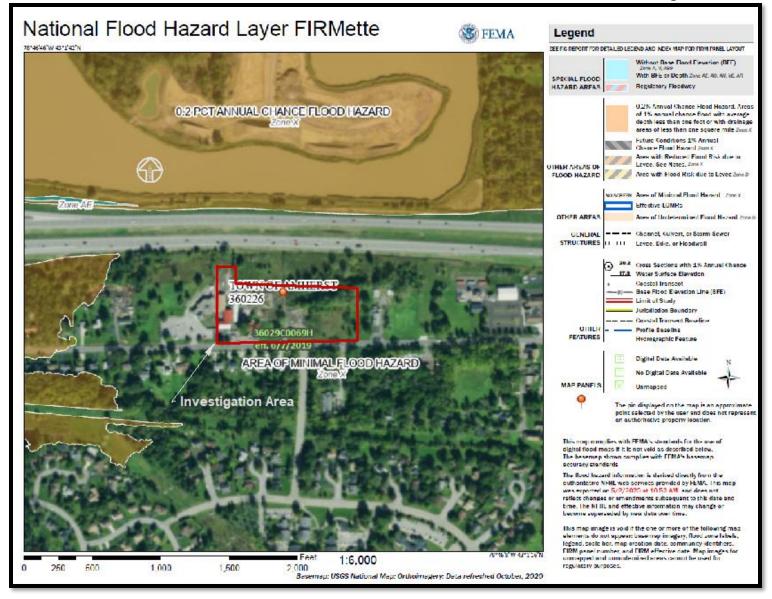


FIGURE 11: FEMA FLOODPLAIN MAP

https://hazards-fema.maps.arcgis.com/apps/webappviewer/ (Visited 05/02/23)

480 Dodge Road



480 DODGE ROAD

APPENDIX B - DATA SHEETS

Project Code: W7D23

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: 480 Dodge Road Town/County: Amherst/Erie County	County S	ampling Date: May 1, 2023
Applicant/Owner: The Green Organization	State: New York	Sampling Point:
Investigator(s): Scott Livingstone & Jody Celeste	Section, Township, Range: 4	14.06-1-8.1
Landform (hillslope, terrace, etc.): Fill PAD Local	relief (concave, convex, none);	NONG Slope (%):
Subregion (LRR or MLRA) LRRL Lat: 43. 02425	Long. 7	8 ,773 Datum: NAD83
Soil Map Unit Name: COSAD LOAMY	FINE GANI	
Are climatic / hydrologic conditions on the site typical for this	time of year? Yes No _	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology signif	icantly disturbed?	Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology na		
SUMMARY OF FINDINGS: Attach site map showing sam	npling point locations, transe	cts, important features, etc.
Hydrophytic Vegetation Present? Yes N	ls the Samp	eled Area
Hydrophytic Vegetation Present? Yes N Hydric Soil Present? Yes N		
		etland? Yes No X
Remarks: (Explain alternative procedures here or in a sepa	1.700, 0040.	lai vvetialid Site ID.
N 5 NR		
UPLAND FIELD/FILL	DAD	
	26 18 W235	
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all the	nat apply)	Surface Soil Cracks (B6)
Surface Water (A1) Wat	ter-Stained Leaves (B9)	Drainage Patterns (B10)
	atic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Mar	Deposits (B15)	Dry-Season W ater Table (C2)
Water Marks (B1) Hyd	rogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxid	dized Rhizospheres on Living F	Roots (C3) Saturation Visible on Aerial Imagery (C9)
1	sence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
	ent Iron Reduction in Tilled Soil	s (C6) Geomorphic Position (D2)
6 to 10 to 1	n Muck Surface (C7)	Shallow Aquitard (D3)
	er (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)
Field Observations:	NIA	
	oth (inches):	
	oth (inches):	\vee
Saturation Present? Yes No Dep (includes capillary fringe)	oth (inches):	Wetland Hydrology Present? Yes No _X
Describe Recorded Data (stream gauge, monitoring well, a	erial photos, previous inspectio	ns), if available:
Remarks:		

EGETATION: Use scientific names of plants.		Sampling Point:
Tree Stratum (Plot size: 30') 1. A Cor platamo(de)	Absolute Species? Status Absolute Species? Status Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2 3		Total Number of Dominant Species Across All Strata: (B)
4 5		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6		Prevalence Index worksheet:
7	= Total Cover	
1. <u>NA</u> 2		FAC species $\frac{35}{50}$ $\times 3 = \frac{75}{200}$ FACU species $\frac{50}{50}$ $\times 4 = \frac{200}{200}$ UPL species $\frac{5}{50}$ $\times 5 = \frac{25}{200}$
3 4		Column Totals: 80 (A) 300 (B)
5.		Prevalence Index = B/A =3.75
6		Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is < 3.01
Herb Stratum (Plot size: 5') 1. Euthamia graminifolia	S N FAC	4 - Morphological Adaptations ¹ (Provide supporting
DIOSACUS ALLIONUM	S N NI	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
1 Cirsium Arvense	5 N FACU	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
S. VICIA SATIVA	10 y FAW	Definitions of Vegetation Strata:
Symphystrichen laterifloru		Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
DACTYLII Glomerata	10 Y PACU	Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
1. Centaura Stoebe	10 Y NI	Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
12	95 = Total Cover	Woody vines - All woody vines greater than 3.28 ft in height.
Woody Vine Stratum (Plot size:30') 1		SUCCESSIONAL PIEU
34		Hydrophytic Vegetation Present? Yes No
	= Total Cover	1105th. 100
Remarks: (Include photo numbers here or on a separate	1411-	
Photo # Direct	tion of Photo	

Project Code: W7D23

	iption: (Describe to	the depth				confirm the	absence of indicate	ators.)	
epth nches)	Matrix Color (moist)	%	Color (moist)	ox Feature %	S Type ¹	Loc²	Texture	Remar	ke
3-7	10 YR4/1	100	1		. ,	200	5182	F,11	NO.
7-20	7:54R3/1	85	7.5 ms/8	15	C	<u></u>	51c)		
ype: C=Co dric Soil I	ncentration, D=Deple	etion, RM=	Reduced Matrix, CS=	Covered o	r Coated	Sand Grain		PL=Pore Lining, r Problematic H	
Deplete Thick E Sandy Sandy Sandy Strippe Dark S	ed Layers (A5) ed Below Dark Surface dark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, N	ILRA 149B		atrix (F3) : Surface (Fi ark Surface ressions (F8	6) (F7) i)	bed or oroble	Thin Dark	Floodplain Soils (R K, L) 12) (LRR K, L, R) F19) (MLRA 149B 144A, 145, 149B)
strictive L Type:	ayer (if observed):			orocont, and	ood uiotui	Jod of proble			
Depth (inc	hes):	1A					Hydric Soil Prese	ent? Yes	No <u>X</u>

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: 480 Dodge Road Town/County: Amherst/Erie County	Sampling Date: May 1, 2023
Applicant/Owner: The Green Organization State: New Y	<u>′ork</u> Sampling Point: <u></u>
Investigator(s): Scott Livingstone & Jody Celeste Section, Town	nship, Range: <u>414.06-1-8.1</u>
Landform (hillslope, terrace, etc.): Fill File Local relief (concave,	2
Subregion (LRR or MLRA) LRRL Lat: 43, 02474	Long:78 , 773// Datum: NAD83
Soil Map Unit Name: ODESSA STLT LOAM, O-	3% 5/0005mm batum. NADOS
,	./
Are climatic / hydrologic conditions on the site typical for this time of year? You	
Are Vegetation, Soil, or Hydrology significantly disturbed	? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS: Attach site map showing sampling point loc	ations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes NoX	within a Wetland? Yes No
Wetland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
OUPLAND FILL PILE WIT	H TREES
OLD TOPSOIL STOCKPI	7 =
OUT TO TOUR IS	Nagation .
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 Leave	es (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13	1
Saturation (A3) Marl Deposits (B15)	92. 7
Water Marks (B1) Hydrogen Sulfide Oc	dor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizosphe	eres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduce	ed Iron (C4) Stunted or Stressed Plants (D1)
	on 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 R	emarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	1/1
Surface Water Present? Yes No Depth (inches):	7/4
Water Table Present? Yes No Depth (inches):	1/10
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No _X
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Demodra	
Remarks:	
	İ
	l l

VEGETATION: Use scientific names of plants.

	777
	1//
Sampling Point:	1

Tree Stratum (Plot size:		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 That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: OBL species X 1 = FACW species X 2 = Multiply by: CAMP Multiply by: A 1 = FACW species X 2 =
1. NA 2		FAC species 30 $\times 3 = 40$ FACU species 55 $\times 4 = 220$ UPL species 0 $\times 5 = 0$ Column Totals: 130 (A) 400 (B) Prevalence Index = B/A = 3.06
Herb Stratum (Plot size: 5') 1. Hoper b matronals 2. Galium boreale 3. Ranunculus ficaria 4. Arctum minus 5. Allium campoints 6. Allium petiolata 7 8 9 10	# = Total Cover 20	Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is < 3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Moody Vine Stratum (Plot size:30') 1 2 3 4 Remarks: (Include photo numbers here or on a separate separa	= Total Cover	Woody vines - All woody vines greater than 3.28 ft in height. Successional OLD FILL PAD Community Type: Hydrophytic Vegetation Present? Yes No

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Color (moist)
Cype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Coation: PL=Pore Lining, M=Matrix, Indicators for Problematic Hydric Soils Hidicators for Problematic Hydrology must be present, unless disturbed or problematic Hydrology for Problematic Hydrology f
Histosol (A1) Histosol (A2) Black Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Dark Surface (S7) (LRR R, MLRA 149B) Stratifyed Matrix (S4) Sandy Redox (S5) Depleted Dark Surface (F7) Sandy Suerdox (A16) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Depleted Matrix (F3) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Sandy Redox (S5) Stripped Matrix (S4) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Dark Surface (S7) (LRR R, MLRA 149B) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) Dark Surface (S7) (LRR K, L, M) Edicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Stripped Matrix (S4) Stratyped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) MIRA 149B) Thin Dark Surface (A12) Sepleted Dark Surface (A12) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) MIRA 149B) Polyvalue Below Surface (S9) (LRR K, L, M) Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A12) Coast Prairie Redox (A12) Coast Prairie Redox (A12) Coast Prairie Redo
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Redox (S5) Sandy Redox (S5) Dark Surface (S7) (LRR R, MLRA 149B) Stripped Matrix (S4) Sandy Redox (S5) Dark Surface (S7) (LRR R, MLRA 149B) Stripped Matrix (S6) Dark Surface (S7) (LRR R, MLRA 149B) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Surface (S9) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L, R) Stratified Layers (A5) Depleted Below Surface (S9) (LRR K, L, M) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Surface (S9) (LRR K, L, M) Dark Surface (S7) (LRR K, L, M) Polyvalue Below Surface (S9) (LRR K, L, M) Dark Surface (S9) (LRR K, L, M) Polyvalue Below Surface (S9) (LRR K, L) Polyvalue Below Surface
Strictive Layer (if observed): Type:
Depth (inches): No _X

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: 480 Dodge Road Town/Co	ounty: Amherst/Erie County	Sampling Date: May 1, 2023
Applicant/Owner: The Green Organiza	ation State:_ New Yo	ork Sampling Point: <u>53</u>
Investigator(s): Scott Livingstone & Jod		
Landform (hillslope, terrace, etc.):	11 0.5	
Subregion (LRR or MLRA) <u>LRRL</u> La	43 02474	78 77217
Soil Map Unit Name: 405Ab	towny End	Long; NW I classification: NAD83
	. ,	
		s No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes No
		c? (If needed, explain any answers in Remarks.)
		tions, transects, important features, etc.
1		1
Hydrophytic Vegetation Present?	Yes No	Is the Sampled Area
Hydric Soil Present?	Yes No	within a Wetland? YesNo_X
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative proced	ures here or in a separate report.)	IN INTO PAN
· UPLAND SUCC	ESSIONAL F	IELD/FILL PAD
BIN ETU A	AD ALLOTTE	ED WITH NURSERY OPERATION
OLD FILL P	140 1422 OC 3741	CD WILL
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is	s required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves	
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season W ater Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odd	
Sediment Deposits (B2)	Oxidized Rhizospher	
Drift Deposits (B3)	Presence of Reduced	
Algal Mat or Crust (B4)	Recent Iron Reductio	
Iron Deposits (B5)	Thin Muck Surface (0	
Inundation Visible on Aerial Imag		
Sparsely Vegetated Concave Su		FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No Depth (inches): N	14
1	No Depth (inches):	J/A
	No Depth (inches):	Wetland Hydrology Present? Yes No _
(includes capillary fringe)		
Describe Recorded Data (stream gau	ige, monitoring well, aerial photos, prev	rious inspections), if available:
Remarks:		
, terriaines		

VEGETATION: Use scientific names of plants.

	D 7
Sampling Point: _	1))

1	A la a a la 4 a	Danina	In director 1	
Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
. NA			Otatus	Number of Dominant Species
1. 14 7				That Are OBL, FACW , or FAC: (A)
2				
/				Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7.				
	4			
	1	_ = Total Co	ver	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species <u>50</u> x2= <u>60</u>
1. WA				FAC species 0 x 3 = 0
		_		FACU species 60 x4= 240
2		_		1
3				1-2
				Column Totals: <u>100</u> (A) <u>350</u> (B)
4.				Provolence Index = P/A = 3,5
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
				1
7				1 - Rapid Test for Hydrophytic Vegetation
1	1	= Total Co	ver	2 - Dominance Test is >50%
Hart Strature (District. 5)				3 - Prevalence Index is < 3.0 ¹ NO
Herb Stratum (Plot size: 5')	1.0	4/	EAR	4 - Morphological Adaptations (Provide supporting
1. HOPERS MATTORALIS	10	~	THU	data in Remarks or on a separate sheet)
-2 Allaria petiolata	20	Y	FAW	Problematic Hydrophytic Vegetation ¹ (Explain)
Panyacul la l'acces	30		FALW	
3. RANVICOLVI FICATIA		/	F FOOD	Indicators of hydric soil and wetland hydrology must
4. HITUMISTA VVIGANO	10	N	UPL	be present, unless disturbed or problematic.
5 SOLI dago CANADONSUS	10	N	PALL	
0. 60 16 AU Can A A	-	1.	Cal	Definitions of Vegetation Strata:
6. Plund ovirginiana		N	MU	Tree Meady plants 3 in (7.6 cm) as many in dispusses
47. NEDETIA CATACELA	3	N	PACU	Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8. Lotus corniculation	J	N		at breast height (BBH), regardless of height.
78. 00101 00 1100 (00) CC				Sapling/shrub - Woody plants less than 3 in. DBH
9. DAVE US CHIOTA	2	<u> </u>		and greater than 3.28 ft (1 m) tall.
TO Allum CANADENS.	3	J	V	Harb All barbassaya (non yyanda) mlanta yanandisa
				Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11,				or ozo, and woody planto loss than o.25 it tall.
12				Woody vines - All woody vines greater than 3.28 ft in
		Total Cover		height.
	<u></u>	TOTAL COVER		
Woody Vine Stratum (Plot size: 30')				authlinnal
1. NA				SUCCESSIONAL OLD FILL PAD
				Community Type:
2.				Community Type.
3				Hydrophytic ,
4				Vegetation
	W			Present? Yes No
		_ = Total Co	over	
Remarks: (Include photo numbers here or on a separate	sheet.)	FA	55	
Photo # # Direct	ion of Photo	o L''	,	

SOIL

ofile Descr	ription: (Describe to	the depth r	eeded to docume	ent the indicator	or confirm t	he absence of	indicators.	1	
epth	Matrix	ano dopan i		lox Features	01 0011111111	ine absence of	maioators.	<i>y</i> .	
iches)	Color (moist)	%	Color (moist)	% Typ	e ¹ Loc ²	Texture		Remark	S
1-20	10KH/1	100		. s		911	F	11	
									Hintoha hada ayaa ka aasaa ayaa
pe: C=Co	ncentration, D=Deple	tion, RM=Re	educed Matrix, CS	=Covered or Co	ated Sand Gra	ains. ² Loca	tion: PL=Po	ore Lining, N	/I=Matrix.
dric Soil I	ndicators:					Indicato	rs for Prob	lematic Hy	dric Soils ³ :
Hydrog Stratifie Deplete Thick D Sandy Sandy Sandy Strippe	distic (A3) en Sulfide (A4) ed Layers (A5) ed Below Dark Surface bark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7) (LRR R, Mi		Loamy Mud Loamy Gle Depleted M Redox Darl Depleted D	Surface (S9) (LRf cky Mineral (F1) (yed Matrix (F2) latrix (F3) k Surface (F6) lark Surface (F7) ressions (F8)		Dark Polyn Thin Pied Mesi Red Very	Surface (S7 value Below Dark Surfac Manganese mont Floodp	T) (LRR K, L, Surface (S8 e (S9) (LRR Masses (F1: lain Soils (F A6) (MLRA 1 rial (TF2) rk Surface (T) (LRR K, L) K, L) 2) (LRR K, L, R) 19) (MLRA 1498 44A, 145, 1498
	hydrophytic vegetation	and wetland	hydrology must be	present, unless d	isturbed or pro	blematic.			
Type: Depth (inc	ayer (if observed):	/A	-			Hydric Soil	Present?	Yes	No ×
emarks:						J.			

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: 480 Dodge Road Town/County: Amhe	rst/Erie County	Sampling Date: May 1, 2023
Applicant/Owner: The Green Organization	State: New York	sampling Point: <u>94</u>
Investigator(s): Scott Livingstone & Jody Celeste	Section, Townsh	ip, Range: <u>414.06-1-8.1</u>
Landform (hillslope, terrace, etc.): FILL PA	a .	
Subregion (LRR or MLRA) LRRL Lat: 43,		Long: 78, 77421 Datum: NAD83
	MY FINE	NW I classification: N/A
Are climatic / hydrologic conditions on the site typical	I for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS : Attach site map show	ving sampling point locati	ons, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No <u>X</u>	Is the Sampled Area
		within a Wetland? Yes No
A DE SE		If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or	in a separate report.)	
· SUCCESSIONAL	COENTE	TU PAD
JACCESSTONAC	PIECO/	
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; ch	eck all that annly)	Surface Soil Cracks (B6)
Surface Water (A1)		
High Water Table (A2)	Water-Stained Leaves (Aquatic Fauna (B13)	B9) Drainage Patterns (B10) Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Ividos (1111) Lifles (B16) Dry-Season W ater Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor	
Sediment Deposits (B2)	Oxidized Rhizospheres	
Drift Deposits (B3)	Presence of Reduced I	
Algal Mat or Crust (B4)	Recent Iron Reduction	
Iron Deposits (B5)	Thin Muck Surface (C7	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Rem	arks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)
Field Observations:		1/2
	Depth (inches):	
	Depth (inches):	1/4
Saturation Present? Yes No	Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitorin	ig well, aerial photos, previo	us inspections), if available:
Remarks:		
1		

VEGETATION: Use scientific names of plants.

	114
Sampling Point:	1

Trop Stratum (Plot size: 20'	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30')	Species? Status Species? Status Species? Status	Number of Dominant Species
1. State to the second to		That Are OBL, FACW, or FAC: (A)
2. Her platamoras	5 y UPL	Total Number of Dominant
3		Species Across All Strata: (B)
4		Percent of Dominant Species
5		That Are OBL, FACW, or FAC: (A/B)
6		
7		Prevalence Index worksheet:
	= Total Cover	
	= Total Cover	OBL species x1 = FACW species x2 =
Sapling/Shrub Stratum (Plot size: 15')		17.011 oposico
1. NA	— ——— ———— ———————————————————————————	FAC species 10 x 3 = 30 FACU species 90 x 4 = 360
2		- X1
3		11 15 11 5 500
4		(2)
5		Prevalence Index = B/A =
		Hydrophytic Vegetation Indicators:
7.		1 - Rapid Test for Hydrophytic Vegetation
	A -	2 - Dominance Test is >50%
	= Total Cover	3 - Prevalence Index is < 3.01
Herb Stratum (Plot size: 5'	30 Y FALL	4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
2 DIOS ARUS FUTIONIA	15 Y FALL	Problematic Hydrophytic Vegetation ¹ (Explain)
a Alliaria notiolata	15 Y PAW	
Denothold Genous	5 N AVAI	1Indicators of hydric soil and wetland hydrology must
- Taralle FALLONGA	C I PACO	be present, unless disturbed or problematic.
Charles Affer a lave a the	N PAN.	Definitions of Vegetation Strata:
6. Chrysanthemun eventh		Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7. Gallon borente	5 N	at breast height (DBH), regardless of height.
8. MARKAGIN OTTI CINKIL	19 N	Sapling/shrub - Woody plants less than 3 in. DBH
TO PIL DIATANSV	SNV	and greater than 3.28 ft (1 m) tall.
-10. ERIGION Dhiladelphicus	5 N PAC	Herb - All herbaceous (non-woody) plants, regardless
11		of size, and woody plants less than 3.28 ft tall.
12.		Woody vines - All woody vines greater than 3.28 ft in
	[D6] = Total Cover	height.
1	- Total Cover	
Woody Vine Stratum (Plot size: 30')		Successional ovo
		FILL PAO
2		Community Type:
3.		Hydrophytic
4		Vegetation Present? Yes No
	= Total Cover	165 NO
Remarks: (Include photo numbers here or on a separate s		
Photo # Directi	on of PhotoSOUTH	
l .		

	Matrix olor (moist) SP3/4	100	lor (moist)	x Features %	Γype ¹ Loc	<u>2</u> T€	exture 905.1	Remarks	
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pe: C=Concentra		on, RM=Reduce	ed Matrix, CS=0	Covered or	Coated San	Grains.		_=Pore Lining, M=	
dric Soil Indicate	ors:						Indicators for F	Problematic Hydr	ic Soils³:
Thick Dark Sur Sandy Mucky I Sandy Gleyed Sandy Redox (Stripped Matrix	(3) fide (A4) firs (A5) w Dark Surface (A12) Mineral (S1) Matrix (S4) (S5)	=	Polyvalue Be MLRA 149B; Thin Dark Su Loamy Muck Loamy Gleye Depleted Ma Redox Dark Depleted Dai Redox Depre) urface (S9) (y Mineral (F ed Matrix (F2 trix (F3) Surface (F6) rk Surface (I	LRR R, MLRA 1) (LRR K, L)	A 149B)	5 cm Mucky Dark Surface Polyvalue Be Thin Dark Su Iron-Mangan Piedmont Flo Mesic Spodie Red Parent N Very Shallow	Redox (A16) (LRF Peat or Peat (S3) (I (S7) (LRR K, L, N elow Surface (S8) (I urface (S9) (LRR K, ese Masses (F12) odplain Soils (F19) c (TA6) (MLRA 144 Material (TF2) por Dark Surface (TF- in in Remarks)	LRR K, Ĺ, R)) LRR K, L) L) (LRR K, L, R) (MLRA 1498 A, 145, 1498
dicators of hydroph		nd wetland hydro	ology must be pr	resent, unles	ss disturbed o	r problemat	ic.		
Туре:	Na	NE_							\
Depth (inches):		4-4				Ну	dric Soil Presen	? Yes	No X

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APPENDIX C - SITE PHOTOGRAPHS



Photo 1 (05/01/23): Facing south towards Dodge Road. Depicts Ditch 1.



<u>Photo 2 (05/01/23)</u>: Facing west from data point D1; depicts a successional old field community of data point D1.



<u>Photo 3 (05/01/23)</u>: Facing west from data point D2; depicts a successional old fill pad community of data point D2.



Photo 4 (05/01/23): Facing east from data point D3; depicts a successional old fill pad community of data point D3.



<u>Photo 5 (05/01/23)</u>: Facing west from along the existing roadway into the nursery.



<u>Photo 6 (05/01/23):</u> Facing south from along the existing roadway into the nursery.



Photo 7 (05/01/23): Facing south from data point D4; depicts a successional old fill pad community of data point D4.

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APPENDIX D - REFERENCES

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APPENDIX E - PROJECT CONTACT DETAILS

W7D23 **Project Contact Details**

PROJECT CONTACT DETAILS

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