



C&S Engineers, Inc.
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Syracuse, New York 13212

Wetland & Waterway Delineation Report

Church Street Building Addition

Town of Cicero

Onondaga County, New York

Prepared for:
Mr. Ron Meyers
President, Board of Directors
North Area Meals on Wheels
413 Church Street
North Syracuse NY, 13212

May 16, 2025

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1.0 Introduction

North Area Meals on Wheels proposes development on an approximately 1.92-acre area located northeast of Church Street and southeast of Interstate-81 (I-81) in the Town of Cicero, Onondaga County, New York. C&S Engineers, Inc. (C&S) performed a wetland and waterway delineation for the 1.92-acre site (hereinafter referred to as "Project Area of Interest" or "AOI") on November 7, 2023, August 12, 2024, and April 25, 2025. The delineation is prepared consistent with the United States Army Corps of Engineers (USACE) and New York State Department of Environmental Conservation (NYSDEC) guidelines. This report outlines review of published resource materials, existing site conditions, and the results of field investigations.

1.1 Project Description

North Area Meals on Wheels is proposing development on an approximately 1.92-acre site.

1.2 Project Location

The AOI is located northeast of Church Street and southeast of Interstate-81 (I-81) in the Town of Cicero, Onondaga County (See Figure 1). The site occurs within the Oneida River watershed (USGS Cataloging Unit: 04140202).

2.0 Methods

2.1 Desktop Evaluation

Prior to field survey, C&S reviewed various maps and other sources of information to determine onsite areas that contain aquatic resources. These include:

- ◆ United States Geological Survey (USGS) topographic maps
- ◆ National Wetlands Inventory (NWI) Maps prepared by the U.S. Fish and Wildlife Service (USFWS)
- ◆ Freshwater Wetland Maps prepared by the NYSDEC
- ◆ Stream Classification Maps prepared by the NYSDEC
- ◆ Soil Survey Geographic Database (SSURGO) Soils Map prepared using U.S. Department of Agriculture Natural Resources Conservation Service Soil Survey Geographic Database
- ◆ Federal Emergency Management Agency (FEMA) Floodplain Maps

The above references are used initially to identify areas with potential to contain wetlands and streams.

3.0 Field Surveys

3.1 Wetlands

C&S completed wetland delineations within the AOI on November 7, 2023, August 12, 2024, and April 25, 2025. An additional site visit with NYSDEC staff was completed on May 12, 2025. During field surveys, dominant flora species, hydrologic features, and soil conditions are recorded. Wetland boundaries are delineated using criteria for vegetation, soils, and hydrology as specified in the *1987 Corps of Engineers Wetland Delineation Manual* (USACE 1987) (hereinafter referred to as the USACE Manual) and the *2012 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, Version 2.0* (Regional Supplement) (USACE 2012), as well as the *1995 NYSDEC Freshwater Wetlands Delineation Manual* (NYSDEC 1995).

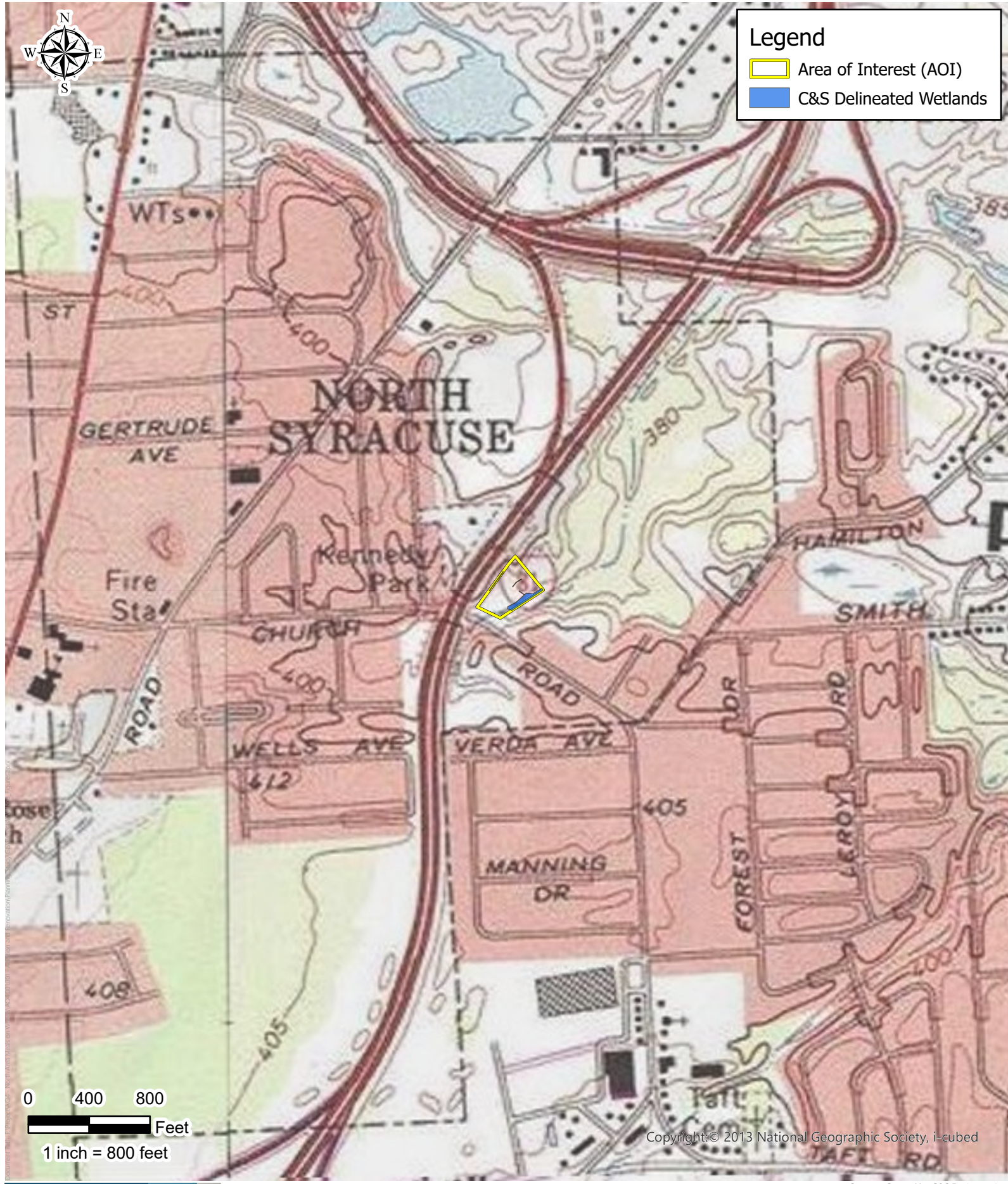


Figure 1 | Project Location Map

North Area Meals on Wheels
Church Street Building Addition
413 Church Street
North Syracuse, NY 13212



Locations of wetland delineation flags are mapped in the field using a Trimble Global Positioning System (GPS). Wetland flags/points are placed and coordinates are recorded via GPS along the wetland boundaries based on observations of hydrophytic vegetation, hydric soils, and hydrology conditions. These observations are made throughout the hydrologic condition continuum to verify the wetland boundary is sufficiently identified. Each wetland is assigned a letter designation, and each wetland flag is labeled with the letter assigned to the wetland and numbered consecutively. All GPS field data are collected and post-processed via Trimble map grade GPS equipment and software. Wetland polygons are created in Geographic Information System (GIS) shapefiles and incorporated on Project base maps for the preparation of report figures. Wetland areas are calculated using Environmental Systems Research Institute ARCGIS ARCVIEW.

Formal wetland determination data forms are completed in the field to document justification for the wetland boundary as delineated (Appendix A). These forms are prepared consistent with the Regional Supplement, and include information pertaining to hydrology, vegetation, and soils for each wetland within the Project AOI.

Vegetation is characterized consistent with the Regional Supplement, and recorded in plots as required by the USACE. Scientific nomenclature for plant species and the indicator status for each plant species occurring within the wetland sampling plot is determined using National Wetland Plant List: 2016 Update of Wetland Ratings (Lichvar et al. 2016). Soil characteristics and hydrology data are observed and collected at test pits within the vegetative plots. The pits are excavated by hand to a depth of 20 inches below grade consistent with the USACE Manual. The presence of hydric soil indicators is determined by describing pertinent characteristics of the soil sample. Soil colors are determined using the Munsell® soil color charts (2000 Edition, Gretag Macbeth, Division of Kollmorgen Instruments Corporation, New Windsor, New York). Hydric soil characteristics such as organic soil layers, reducing conditions, gleying, low-chroma mottles, and concretions are noted. Primary and secondary indicators of hydrology are also noted at each sample plot.

A wetland determination is made at each sample plot after characterizing vegetation, hydrology, and soil. If the vegetation, hydrology, and hydric soil criteria are met, the area is deemed a wetland. If one or more of the criteria are not met, the area is determined to be non-wetland. Completed wetland determination sheets for each representative soil pit are included in Appendix A.

Wetlands identified are further classified consistent with the *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin et al. 1979). The jurisdictional status of delineated features is discussed consistent with the U.S. Supreme Court's May 25, 2023, decision in the case of Sackett v. Environmental Protection Agency.

3.2 Streams

Stream delineations were completed within and immediately adjacent the AOI. The federally regulated Ordinary High Water (OHW) mark of streams within the Project AOI are delineated using 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

methodology in the North Carolina Division of Water Quality Methodology for Identification of Intermittent and Perennial Streams and their Origins, Version 4.11 (NC Division of Water Quality 2010) was referenced in categorizing flow regime of delineated streams. The OHW mark for each stream is mapped using the Trimble GPS.

Streams in the State of New York are protected by Article 15 Use and Protection of Waters. Streams are given classifications that designate the level of protection afforded to each waterbody. Each waterbody identified within the AOI is classified according to Article 15. The waterbody classification categories are AA, A, B, C or D depending on their designated level of protection. Waters with classifications A, B, and C may also have a standard of (T), indicating that it may support a trout population, or (TS), indicating that it may support trout spawning (TS). Streams with a designation of C(T) or higher are considered “protected” waters of New York State.

Stream boundaries are mapped using Trimble GPS units with sub-meter accuracy. Stream lengths are calculated in linear feet using Environmental Systems Research Institute ARCGIS ARCVIEW. The jurisdictional status of delineated features is discussed consistent with the U.S. Supreme Court’s May 25, 2023, decision in the case of Sackett v. Environmental Protection Agency.

3.3 Ditches – Federal Jurisdiction

The jurisdictional status of delineated features is discussed consistent with the U.S. Supreme Court’s May 25, 2023, decision in the case of Sackett v. Environmental Protection Agency.

4.0 Results

4.1 Desktop Evaluation

Resource mapping used during the desktop review are provided in Figures 1 through 5. Figure 1 depicts the AOI on USGS topographic mapping. Figure 2 provides NYSDEC mapped resources within the AOI. Figure 3 provides NWI mapping, and Figure 4 provides soil survey information. Figure 5 depicts FEMA mapped floodplains within the vicinity of the AOI. A summary of information gathered during the desktop analysis is provided herein.

4.1.1 Topography and Drainage

The Project site appears on the Cicero U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle map (See Figure 1). The AOI is located northeast of Church Street and southeast of Interstate-81 (I-81) in the Town of Cicero, Onondaga County within the USGS topographic map. Elevation ranges from approximately 390 feet above mean sea level (amsl) in the southern portion of the AOI to approximately 400 feet amsl in the northern portion of the AOI (North American Vertical Datum of 1988 [NAVD 88]). The site is generally flat.

4.1.2 New York State Mapped Resources

Article 24 of the Environmental Conservation Law requires the NYSDEC to map freshwater wetlands subject to jurisdiction of the law. Article 24 Freshwater Wetland Maps show the approximate location of the wetland boundary and the unique alpha numeric wetland identification number assigned to each resource. Due to the scale of the mapping and aerial photography used to produce the wetland boundaries, they are suitable for general planning purposes only. Based on the Freshwater Wetland Maps and the field review, there are no NYSDEC mapped wetlands or waterbodies within the AOI. One NYSDEC wetland, CIC-15 (Class 2), is mapped less than 200 feet southeast of the AOI. One NYSDEC stream, an unnamed tributary of the Oneida River (Class C with C Standards), is mapped through the southern portion of the AOI (See Figure 2).

4.1.3 National Wetlands Inventory Map

Based on the NWI map there is one NWI mapped resource within the AOI (See Figure 3). A seasonally flooded, intermittent riverine streambed (R4SBC) system is mapped in the southern portion of the AOI. Note that NWI maps were derived from aerial photo interpretation and are suitable for general planning purposes only; they typically do not show all the wetland or watercourse resources within any given area.

4.1.4 Soil Survey

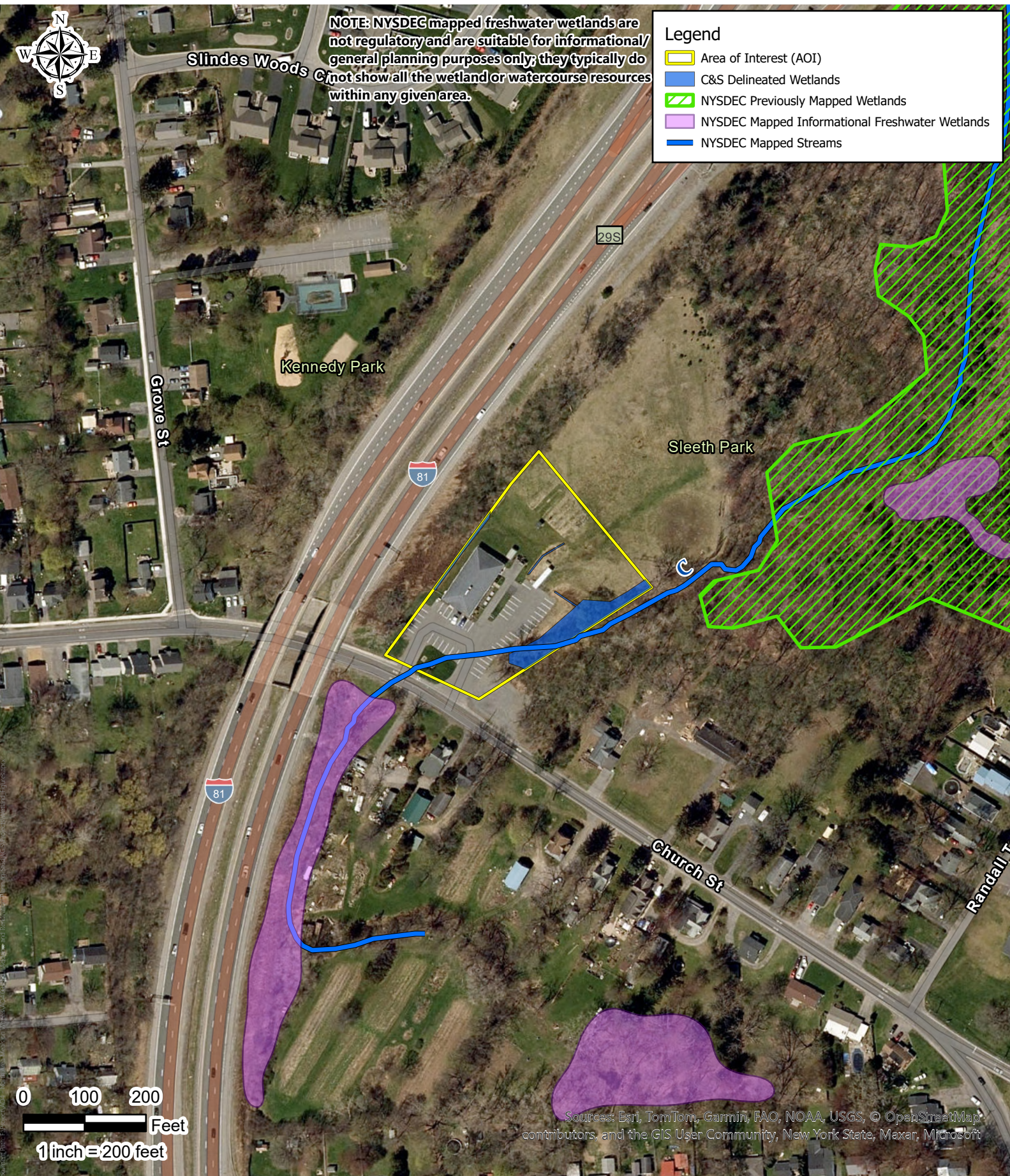
Four unique soil series are mapped within the AOI as depicted in Figure 4, two of which contain hydric components. Table 1 provides the hydric rating, and acreage of the soils mapped on site. The hydric rating by map unit provided by the USDA NRCS Web Soil Survey is provided as Appendix B.

Table 1. Web Soil Summary in the AOI

Soil map unit	Hydric rating	Acres of soil within AOI	Percent of soil within AOI
Ce – Carlisle muck	100	0.5	34.0%
CFL – Cut and fill land	10	0.9	61.6%
CIB – Colonie loamy fine sand, 0 to 6 percent slopes	0	0.0	1.6%
CIC – Colonie loamy fine sand, rolling	0	0.0	2.8%

4.1.5 FEMA Floodplain Map

The FEMA floodplain map (See Figure 5) depicts that the AOI is located outside of the FEMA floodzone (Zone AE).



NYSDEC Freshwater Wetlands &

Sources: Created by C&S Engineers, Inc.
Modified: 5/16/2025 @ 10:55 AM

Figure 2 | Streams Classification Map

North Area Meals on Wheels
Church Street Building Addition
413 Church Street
North Syracuse, NY 13212



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, New York State, Maxar, Microsoft

Sources: Created by C&S Engineers, Inc.
Modified: 5/16/2020 @ 10:56 AM



Figure 3 | USFWS NWI Wetlands Map

North Area Meals on Wheels
Church Street Building Addition
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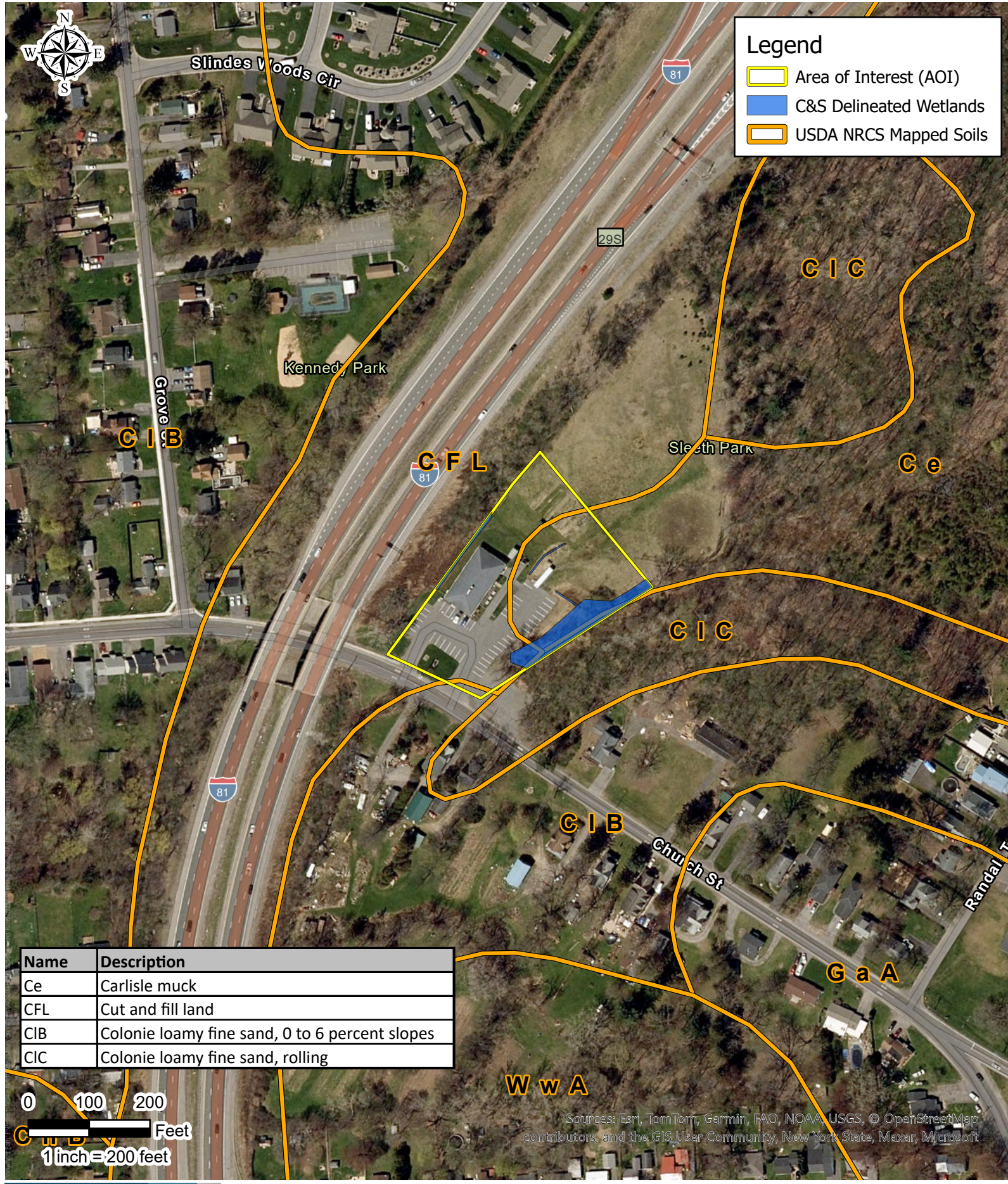
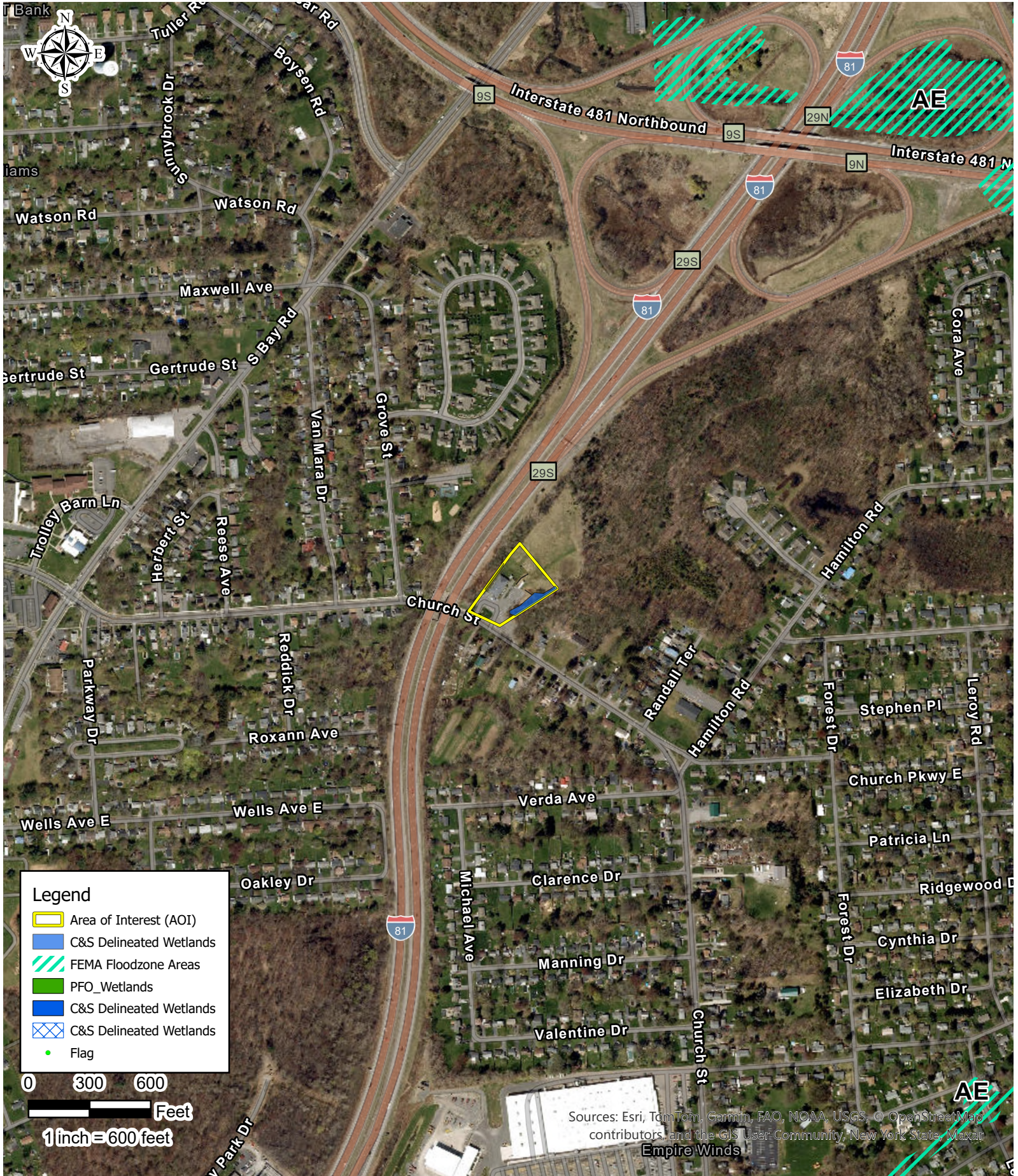


Figure 4 | USDA NRCS Soils Map

North Area Meals on Wheels
Church Street Building Addition
413 Church Street
North Syracuse, NY 13212

Sources: Created by C&S Engineers, Inc.
Modified: 5/16/2025 @ 10:57 AM





Sources: Created by C&S Engineers, Inc.
Modified: 5/16/2025 @ 10:58 AM

Figure 5 | FEMA Floodzone Areas Map

North Area Meals on Wheels
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4.2 Field Surveys

4.2.1 Wetlands

C&S delineated two wetlands within the AOI, referred to as Wetlands A and B. The boundaries of the delineated wetlands are included in Figure 6. Wetland A is categorized as a palustrine emergent (PEM)/palustrine forested (PFO) wetland consistent with the *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin et al. 1979) (hereinafter referred to as Cowardin). Wetland B is categorized as palustrine emergent (PEM) wetland consistent with Cowardin. Please note that a portion of Wetland A is a constructed, partially culverted ditch that drains into Wetland A from the central portion of the AOI. This portion of Wetland A was originally delineated as a ditch; a site visit with NYSDEC staff on May 12, 2025 indicated wetland plants and hydrology within the ditch. Therefore, for the purposes of this report, this ditch is included as Wetland A based on the latter site visit with NYSDEC. The boundaries of on-site wetlands within the AOI are delineated consistent with the USACE and NYSDEC manuals. Table 2 provides a summary of the wetland identified during the field investigation. Photographs of the wetland identified is provided in Appendix C.

Table 2. Wetland Delineation Summary in the AOI

Wetland Id	Cowardin Community Type	Potential Agency Jurisdiction*	Latitude/ Longitude Coordinates	Acreage in AOI
A	PFO	NYSDEC/USACE	43° 8'7.48"N 76° 7'2.03"W	PEM: 0.007 PFO: 0.17
B	PEM	NYSDEC/USACE	43° 8'8.50"N 76° 7'4.90"W	PEM: 0.01
TOTAL				0.19

The PEM Cowardin classes are defined below:

PEM - This aquatic resource is a palustrine emergent wetland. Vegetation is comprised of erect, rooted, herbaceous hydrophytes, excluding mosses and lichens. This vegetation is present for most of the growing season in most years. These wetlands are usually dominated by perennial plants.

PFO - This aquatic resource is a palustrine forested wetland. Vegetation is comprised of an overstory made up of trees at least 6 meters in height, an understory of young trees or shrubs, and an herbaceous layer.



Notes:
 1. WETLAND & WATERWAYS BOUNDARIES WERE DELINEATED BY C&S ENGINEERS ON 4/14/2022
 2. WETLAND & WATERWAYS BOUNDARIES WERE SURVEYED VIA TRIMBLE GPS UNIT

Name	Type	Acreeage within AOI
Wetland A	PEM/PFO	PEM: 0.007
		PFO: 0.17
Wetland B	PEM	0.01

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, New York State, Maxar, Microsoft

Sources: Created by C&S Engineers, Inc. Modified: 5/16/2025 @ 2:05 PM

Figure 6 | C&S Wetlands & Surface Water Delineation Map

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Below are descriptions of the wetlands that are directly adjacent to the AOI:

Wetland A (PFO): The tree stratum is dominated by black willow (*Salix nigra*), green ash (*Fraxinus pennsylvanica*), and ash-leaved maple (*Acer negundo*). The shrub stratum is dominated by common buckthorn (*Rhamnus cathartica*). The herbaceous stratum is dominated by Canada goldenrod (*Solidago canadensis*), flat-top goldenrod (*Euthamia graminifolia*), and chufa (*Cyperus esculentus*). The secondary hydrologic indicators observed were saturation visible on aerial imagery (C9) and a positive FAC-neutral test (D5). The soil hydric indicator S5 for sandy redox was observed and met.

Wetland B (PEM): The herbaceous stratum is dominated by common reed grass (*Phragmites australis*). The primary hydrologic indicator observed was oxidized rhizospheres on living roots (C3). The secondary hydrologic indicator observed was a positive FAC-neutral test (D5). The soil hydric indicator S5 for sandy redox was observed and met.

4.2.2 Streams and Open Waters

No streams or open waters were delineated during the field survey.

4.2.3 Ditches

No ditches were identified during the field survey. A portion of Wetland A is a constructed, partially culverted ditch that drains into Wetland A from the central portion of the AOI. This portion of Wetland A was originally delineated as a ditch; a site visit with NYSDEC staff on May 12, 2025 indicated wetland plants and hydrology within the ditch. For the purposes of this report, this feature is included as Wetland A.

5.0 Conclusion

C&S was retained by North Area Meals on Wheels to complete a wetland and waterway survey for the proposed project. Wetland areas were assessed as waters of the U.S. subject to USACE and NYSDEC jurisdiction. These features are also classified consistent with the *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin et al. 1979).

Two wetlands (Wetlands A and B) within the Oneida River watershed (USGS Cataloging Unit: 04140202) was delineated by C&S within the AOI. Wetland A is a PEM/PFO wetland totaling 0.18 acre within the AOI. Wetland B is a PEM wetland totaling 0.01 acre within the AOI. Please note that a portion of Wetland A is a constructed, partially culverted ditch that drains into Wetland A from the central portion of the AOI. This portion of Wetland A was originally delineated as a ditch; a site visit with NYSDEC staff on May 12, 2025 indicated wetland plants and hydrology within the ditch. The wetlands described herein satisfy the criteria to be a wetland pursuant to the Army Corps of Engineers' 1987 Manual (and Regional Supplement) with subsequent clarification memoranda and pursuant to confirmation by the USACE, as well as the 1995 NYSDEC Freshwater Wetlands Delineation Manual.

No streams were identified within the AOI.

No open waters were identified during the field survey.

No ditches were identified during the field survey.

The final boundary and jurisdictional status of on-site features is subject to approval by both the USACE and NYSDEC.

6.0 Literature Cited

- Cowardin, L. M., V. Carter, F. C. Golet, and E. T. LaRoe. 1979. Classification of wetlands and deepwater habitats of the United States. U. S. Department of the Interior, Fish and Wildlife Service, Washington, D.C. (available at: Northern Prairie Wildlife Research Center, Jamestown, North Dakota website <http://www.npwrc.usgs.gov/resource/1998/classwet/classwet.htm>).
- NC Division of Water Quality. 2010. Methodology for Identification of Intermittent and Perennial Streams and their Origins, Version 4.11. North Carolina Department of Environment and Natural Resources, Division of Water Quality. Raleigh, NC.
- USACE. 1987. Corps of Engineers Wetlands Delineation Manual. Final Report. Wetlands Research Program Technical Report Y-87-1 (on-line edition), Waterways Experiment Station, Environmental Laboratory, Vicksburg, Mississippi. 143 pp.
- USACE. 2012. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, ERDC/EL TR-12-1 (Version 2.0). U.S. Army Engineer Research and Development Center, Vicksburg, Mississippi.

APPENDIX A
USACE WETLAND DATA FORMS

Project/Site: Church Street Building Addition City/County: Cicero/Onondaga County Sampling Date: 8/12/2024

Applicant/Owner: North Area Meals on Wheels State: NY Sampling Point: A-U

Investigator(s): S. Booth Section, Township, Range: 022-02-01.1

Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None Slope %: 0

Subregion (LRR or MLRA): LRR L, MLRA 101 Lat: 43° 8'8.10"N Long: 76° 7'2.18"W Datum: NAD83

Soil Map Unit Name: Ce - Carlisle muck NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)

Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No

Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Hydrophytic Vegetation Present?	Yes _____	No <u> X </u>	Is the Sampled Area within a Wetland? Yes _____ No <u> X </u> If yes, optional Wetland Site ID: _____
Hydric Soil Present?	Yes _____	No <u> X </u>	
Wetland Hydrology Present?	Yes _____	No <u> X </u>	
Remarks: (Explain alternative procedures here or in a separate report.)			

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)			Secondary Indicators (minimum of two required)		
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)			
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Drainage Patterns (B10)			
☐ Saturation (A3)	☐ Marl Deposits (B15)	☐ Moss Trim Lines (B16)			
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Dry-Season Water Table (C2)			
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Crayfish Burrows (C8)			
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)			
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Stunted or Stressed Plants (D1)			
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)			
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ Shallow Aquitard (D3)			
☐ Sparsely Vegetated Concave Surface (B8)		☐ Microtopographic Relief (D4)			
		☐ FAC-Neutral Test (D5)			
Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): Water Table Present? Yes ☐ No ☒ Depth (inches): Saturation Present? Yes ☐ No ☒ Depth (inches): (includes capillary fringe)			Wetland Hydrology Present? Yes ☐ No ☒		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

VEGETATION – Use scientific names of plants.

 Sampling Point: A-U

Tree Stratum (Plot size: <u> 30 feet </u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u> 1 </u> (A) Total Number of Dominant Species Across All Strata: <u> 2 </u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u> 50.0% </u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
_____ =Total Cover				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="text-align: left;">Total % Cover of:</th> <th style="text-align: left;">Multiply by:</th> </tr> <tr> <td>OBL species <u> 5 </u></td> <td>x 1 = <u> 5 </u></td> </tr> <tr> <td>FACW species <u> 0 </u></td> <td>x 2 = <u> 0 </u></td> </tr> <tr> <td>FAC species <u> 10 </u></td> <td>x 3 = <u> 30 </u></td> </tr> <tr> <td>FACU species <u> 5 </u></td> <td>x 4 = <u> 20 </u></td> </tr> <tr> <td>UPL species <u> 10 </u></td> <td>x 5 = <u> 50 </u></td> </tr> <tr> <td>Column Totals: <u> 30 </u> (A)</td> <td><u> 105 </u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u> 3.50 </u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u> 5 </u>	x 1 = <u> 5 </u>	FACW species <u> 0 </u>	x 2 = <u> 0 </u>	FAC species <u> 10 </u>	x 3 = <u> 30 </u>	FACU species <u> 5 </u>	x 4 = <u> 20 </u>	UPL species <u> 10 </u>	x 5 = <u> 50 </u>	Column Totals: <u> 30 </u> (A)	<u> 105 </u> (B)	Prevalence Index = B/A = <u> 3.50 </u>	
Total % Cover of:	Multiply by:																			
OBL species <u> 5 </u>	x 1 = <u> 5 </u>																			
FACW species <u> 0 </u>	x 2 = <u> 0 </u>																			
FAC species <u> 10 </u>	x 3 = <u> 30 </u>																			
FACU species <u> 5 </u>	x 4 = <u> 20 </u>																			
UPL species <u> 10 </u>	x 5 = <u> 50 </u>																			
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_____ =Total Cover				Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
_____ =Total Cover																				
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_____ =Total Cover																				
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_____ =Total Cover																				

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: A-U

[illegible]

Project/Site: Church Street Building Addition City/County: Cicero/Onondaga County Sampling Date: 8/12/2024

Applicant/Owner: North Area Meals on Wheels State: NY Sampling Point: A-W

Investigator(s): S. Booth Section, Township, Range: 022.-02-01.1

Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None Slope %: 0

Subregion (LRR or MLRA): LRR L, MLRA 101 Lat: 43° 8'7.72"N Long: 76° 7'1.81"W Datum: NAD83

Soil Map Unit Name: Ce - Carlisle muck NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)

Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No

Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Hydrophytic Vegetation Present?	Yes <u> X </u>	No <u> </u>	Is the Sampled Area within a Wetland?	Yes <u> X </u>	No <u> </u>
Hydric Soil Present?	Yes <u> X </u>	No <u> </u>		If yes, optional Wetland Site ID: <u> </u>	
Wetland Hydrology Present?	Yes <u> X </u>	No <u> </u>			
Remarks: (Explain alternative procedures here or in a separate report.)					

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)				Secondary Indicators (minimum of two required)			
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)		☐ Drainage Patterns (B10)			
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Moss Trim Lines (B16)		☐ Dry-Season Water Table (C2)			
☐ Saturation (A3)	☐ Marl Deposits (B15)	☐ Crayfish Burrows (C8)		☒ Saturation Visible on Aerial Imagery (C9)			
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Stunted or Stressed Plants (D1)		☐ Geomorphic Position (D2)			
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Shallow Aquitard (D3)		☐ Microtopographic Relief (D4)			
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☒ FAC-Neutral Test (D5)					
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)						
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)						
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)						
☐ Sparsely Vegetated Concave Surface (B8)							
Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): Water Table Present? Yes ☐ No ☒ Depth (inches): Saturation Present? Yes ☐ No ☒ Depth (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

Sampling Point: A-W

Tree Stratum (Plot size: 30 feet)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Salix nigra</i>	10	Yes	OBL
2.	<i>Fraxinus pennsylvanica</i>	5	Yes	FACW
3.	<i>Acer negundo</i>	5	Yes	FAC
4.				
5.				
6.				
7.				
		20	=Total Cover	
Sapling/Shrub Stratum (Plot size: 15 feet)				
1.	<i>Rhamnus cathartica</i>	5	Yes	FAC
2.				
3.				
4.				
5.				
6.				
7.				
		5	=Total Cover	
Herb Stratum (Plot size: 5 feet)				
1.	<i>Solidago canadensis</i>	10	Yes	FACU
2.	<i>Euthamia graminifolia</i>	10	Yes	FAC
3.	<i>Prunella vulgaris</i>	5	No	FAC
4.	<i>Cyperus esculentus</i>	7	Yes	FACW
5.	<i>Impatiens capensis</i>	5	No	FACW
6.	<i>Rhamnus cathartica</i>	5	No	FAC
7.	<i>Eutrochium maculatum</i>	5	No	OBL
8.				
9.				
10.				
11.				
12.				
		47	=Total Cover	
Woody Vine Stratum (Plot size: 30 feet)				
1.				
2.				
3.				
4.				
			=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 85.7% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species 15	x 1 = 15
FACW species 17	x 2 = 34
FAC species 30	x 3 = 90
FACU species 10	x 4 = 40
UPL species 0	x 5 = 0
Column Totals: 72 (A)	179 (B)
Prevalence Index = B/A = 2.49	

Hydrophytic Vegetation Indicators:

1 - Rapid Test for Hydrophytic Vegetation

X 2 - Dominance Test is >50%

X 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 or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: A-W

[illegible]

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Church Street Building Addition City/County: Cicero/Onondaga County Sampling Date: 4/25/2025
Applicant/Owner: North Area Meals on Wheels State: NY Sampling Point: B-U
Investigator(s): S. Booth Section, Township, Range: 022.-02-01.1

Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): Convex Slope %: 0

Subregion (LRR or MLRA): LRR L, MLRA 101 Lat: 43°8'9"N Long: 76°7'4"W Datum: NAD83

Soil Map Unit Name: CFL - Cut and fill land NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)

Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No

Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u> If yes, optional Wetland Site ID: <u> </u>
Hydric Soil Present? Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u> </u> Surface Soil Cracks (B6)
<u> </u> Surface Water (A1)	<u> </u> Water-Stained Leaves (B9)	<u> </u> Drainage Patterns (B10)
<u> </u> High Water Table (A2)	<u> </u> Aquatic Fauna (B13)	<u> </u> Moss Trim Lines (B16)
<u> </u> Saturation (A3)	<u> </u> Marl Deposits (B15)	<u> </u> Dry-Season Water Table (C2)
<u> </u> Water Marks (B1)	<u> </u> Hydrogen Sulfide Odor (C1)	<u> </u> Crayfish Burrows (C8)
<u> </u> Sediment Deposits (B2)	<u> </u> Oxidized Rhizospheres on Living Roots (C3)	<u> </u> Saturation Visible on Aerial Imagery (C9)
<u> </u> Drift Deposits (B3)	<u> </u> Presence of Reduced Iron (C4)	<u> </u> Stunted or Stressed Plants (D1)
<u> </u> Algal Mat or Crust (B4)	<u> </u> Recent Iron Reduction in Tilled Soils (C6)	<u> </u> Geomorphic Position (D2)
<u> </u> Iron Deposits (B5)	<u> </u> Thin Muck Surface (C7)	<u> </u> Shallow Aquitard (D3)
<u> </u> Inundation Visible on Aerial Imagery (B7)	<u> </u> Other (Explain in Remarks)	<u> </u> Microtopographic Relief (D4)
<u> </u> Sparsely Vegetated Concave Surface (B8)		<u> </u> FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No X Depth (inches):

Water Table Present? Yes No X Depth (inches):

Saturation Present? Yes No X Depth (inches):

(includes capillary fringe)

Wetland Hydrology Present? Yes No X

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

Remarks:

VEGETATION – Use scientific names of plants.

 Sampling Point: B-U

Tree Stratum (Plot size: <u>30 feet</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
			=Total Cover	Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>36</u></td> <td>x 4 = <u>144</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>41</u> (A)</td> <td><u>159</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.88</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>5</u>	x 3 = <u>15</u>	FACU species <u>36</u>	x 4 = <u>144</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>41</u> (A)	<u>159</u> (B)	Prevalence Index = B/A = <u>3.88</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>5</u>	x 3 = <u>15</u>																			
FACU species <u>36</u>	x 4 = <u>144</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>41</u> (A)	<u>159</u> (B)																			
Prevalence Index = B/A = <u>3.88</u>																				
			=Total Cover																	
Sapling/Shrub Stratum (Plot size: <u>15 feet</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
			=Total Cover																	
Herb Stratum (Plot size: <u>5 feet</u>)																				
1. <u>Trifolium pratense</u>	<u>20</u>	<u>Yes</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
2. <u>Taraxacum officinale</u>	<u>2</u>	<u>No</u>	<u>FACU</u>																	
3. <u>Phleum pratense</u>	<u>2</u>	<u>No</u>	<u>FACU</u>																	
4. <u>Poa pratensis</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>																	
5. <u>Glechoma hederacea</u>	<u>2</u>	<u>No</u>	<u>FACU</u>																	
6. <u>Prunella vulgaris</u>	<u>5</u>	<u>No</u>	<u>FAC</u>																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
			<u>41</u> =Total Cover																	
Woody Vine Stratum (Plot size: <u>30 feet</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
			=Total Cover																	
Remarks: (Include photo numbers here or on a separate sheet.)																				

Sampling Point: B-U

Northcentral and Northeast Region – Version 2.0

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Church Street Building Addition City/County: Cicero/Onondaga County Sampling Date: 4/25/2025
Applicant/Owner: North Area Meals on Wheels State: NY Sampling Point: B-W
Investigator(s): S. Booth Section, Township, Range: 022.-02-01.1

Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None Slope %: 0

Subregion (LRR or MLRA): LRR L, MLRA 101 Lat: 43°8'9"N Long: 76°7'4"W Datum: NAD83

Soil Map Unit Name: CFL - Cut and fill land NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u> If yes, optional Wetland Site ID: <u> </u>
Hydric Soil Present? Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	
Remarks: (Explain alternative procedures here or in a separate report.)	

HYDROLOGY

Wetland Hydrology Indicators:		<u>Secondary Indicators (minimum of two required)</u>	
<u>Primary Indicators (minimum of one is required; check all that apply)</u>			
<u> </u> Surface Water (A1)	<u> </u> Water-Stained Leaves (B9)	<u> </u> Surface Soil Cracks (B6)	
<u> </u> High Water Table (A2)	<u> </u> Aquatic Fauna (B13)	<u> </u> Drainage Patterns (B10)	
<u> </u> Saturation (A3)	<u> </u> Marl Deposits (B15)	<u> </u> Moss Trim Lines (B16)	
<u> </u> Water Marks (B1)	<u> </u> Hydrogen Sulfide Odor (C1)	<u> </u> Dry-Season Water Table (C2)	
<u> </u> Sediment Deposits (B2)	<u>X</u> Oxidized Rhizospheres on Living Roots (C3)	<u> </u> Crayfish Burrows (C8)	
<u> </u> Drift Deposits (B3)	<u> </u> Presence of Reduced Iron (C4)	<u> </u> Saturation Visible on Aerial Imagery (C9)	
<u> </u> Algal Mat or Crust (B4)	<u> </u> Recent Iron Reduction in Tilled Soils (C6)	<u> </u> Stunted or Stressed Plants (D1)	
<u> </u> Iron Deposits (B5)	<u> </u> Thin Muck Surface (C7)	<u> </u> Geomorphic Position (D2)	
<u> </u> Inundation Visible on Aerial Imagery (B7)	<u> </u> Other (Explain in Remarks)	<u> </u> Shallow Aquitard (D3)	
<u> </u> Sparsely Vegetated Concave Surface (B8)		<u> </u> Microtopographic Relief (D4)	
		<u>X</u> FAC-Neutral Test (D5)	
Field Observations:		Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	
Surface Water Present? Yes <u> </u> No <u>X</u> Depth (inches): <u> </u>	Water Table Present? Yes <u> </u> No <u>X</u> Depth (inches): <u> </u>		
Saturation Present? Yes <u> </u> No <u>X</u> Depth (inches): <u> </u>	(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

VEGETATION – Use scientific names of plants.

 Sampling Point: B-W

Tree Stratum (Plot size: <u>30 feet</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
=Total Cover				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>45</u></td> <td>x 2 = <u>90</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>50</u> (A)</td> <td><u>105</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.10</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>45</u>	x 2 = <u>90</u>	FAC species <u>5</u>	x 3 = <u>15</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>50</u> (A)	<u>105</u> (B)	Prevalence Index = B/A = <u>2.10</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>45</u>	x 2 = <u>90</u>																			
FAC species <u>5</u>	x 3 = <u>15</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>50</u> (A)	<u>105</u> (B)																			
Prevalence Index = B/A = <u>2.10</u>																				
=Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 feet</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
=Total Cover				Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>X</u> <u>2</u> - Dominance Test is >50% <u>X</u> <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
=Total Cover																				
Herb Stratum (Plot size: <u>5 feet</u>)																				
1. <u>Phragmites australis</u>	<u>45</u>	<u>Yes</u>	<u>FACW</u>																	
2. <u>Prunella vulgaris</u>	<u>5</u>	<u>No</u>	<u>FAC</u>																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>50</u> =Total Cover				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 or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																
=Total Cover																				
Woody Vine Stratum (Plot size: <u>30 feet</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
=Total Cover																				
Remarks: (Include photo numbers here or on a separate sheet.)																				

SOIL

Sampling Point: B-W

[illegible]

Project/Site: Church Street Building Addition City/County: Cicero/Onondaga County Sampling Date: 4/25/2025
Applicant/Owner: North Area Meals on Wheels State: NY Sampling Point: UP-1
Investigator(s): S. Booth Section, Township, Range: 022.-02-01.1
Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR L, MLRA 101 Lat: 43°8'9"N Long: 76°7'2"W Datum: NAD83
Soil Map Unit Name: Ce - Carlisle muck NWI classification: N/A

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u> If yes, optional Wetland Site ID: _____
Hydric Soil Present?	Yes _____	No <u>X</u>	
Wetland Hydrology Present?	Yes _____	No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.)			

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>				<u>Secondary Indicators (minimum of two required)</u>	
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)			
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Drainage Patterns (B10)			
☐ Saturation (A3)	☐ Marl Deposits (B15)	☐ Moss Trim Lines (B16)			
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Dry-Season Water Table (C2)			
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Crayfish Burrows (C8)			
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Saturation Visible on Aerial Imagery (C9)			
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Stunted or Stressed Plants (D1)			
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ Geomorphic Position (D2)			
☐ Inundation Visible on Aerial Imagery (B7)	☐ Other (Explain in Remarks)	☐ Shallow Aquitard (D3)			
☐ Sparsely Vegetated Concave Surface (B8)		☐ Microtopographic Relief (D4)			
		☐ FAC-Neutral Test (D5)			
Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): Water Table Present? Yes ☐ No ☒ Depth (inches): Saturation Present? Yes ☐ No ☒ Depth (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

VEGETATION – Use scientific names of plants.

 Sampling Point: UP-1

Tree Stratum (Plot size: <u>30 feet</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
_____ =Total Cover				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>2</u></td> <td>x 3 = <u>6</u></td> </tr> <tr> <td>FACU species <u>40</u></td> <td>x 4 = <u>160</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>42</u> (A)</td> <td><u>166</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.95</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>2</u>	x 3 = <u>6</u>	FACU species <u>40</u>	x 4 = <u>160</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>42</u> (A)	<u>166</u> (B)	Prevalence Index = B/A = <u>3.95</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>2</u>	x 3 = <u>6</u>																			
FACU species <u>40</u>	x 4 = <u>160</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>42</u> (A)	<u>166</u> (B)																			
Prevalence Index = B/A = <u>3.95</u>																				
_____ =Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 feet</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
_____ =Total Cover																				
Herb Stratum (Plot size: <u>5 feet</u>)																				
1. <u>Poa pratensis</u>	<u>35</u>	<u>Yes</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
2. <u>Poa compressa</u>	<u>5</u>	<u>No</u>	<u>FACU</u>																	
3. <u>Juncus tenuis</u>	<u>2</u>	<u>No</u>	<u>FAC</u>																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
_____ =Total Cover																				
Woody Vine Stratum (Plot size: <u>30 feet</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
_____ =Total Cover																				
Remarks: (Include photo numbers here or on a separate sheet.)				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 or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																
				Hydrophytic Vegetation Present? Yes <u> </u> No <u> X </u>																

SOIL

Sampling Point: UP-1

[illegible]

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Church Street Building Addition City/County: Cicero/Onondaga County Sampling Date: 4/25/25
Applicant/Owner: North Area Meals on Wheels State: NY Sampling Point: UP-2
Investigator(s): S. Booth Section, Township, Range: 022.-02-01.1
Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None Slope %: _____
Subregion (LRR or MLRA): LRR L, MLRA 101 Lat: 43°8'9"N Long: 76°7'2"W Datum: NAD83
Soil Map Unit Name: Ce - Carlisle muck NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u> If yes, optional Wetland Site ID: _____
Hydric Soil Present? Yes _____ No <u>X</u>	
Wetland Hydrology Present? Yes _____ No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.)	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ____ Surface Water (A1) ____ Water-Stained Leaves (B9) ____ High Water Table (A2) ____ Aquatic Fauna (B13) ____ Saturation (A3) ____ Marl Deposits (B15) ____ Water Marks (B1) ____ Hydrogen Sulfide Odor (C1) ____ Sediment Deposits (B2) ____ Oxidized Rhizospheres on Living Roots (C3) ____ Drift Deposits (B3) ____ Presence of Reduced Iron (C4) ____ Algal Mat or Crust (B4) ____ Recent Iron Reduction in Tilled Soils (C6) ____ Iron Deposits (B5) ____ Thin Muck Surface (C7) ____ Inundation Visible on Aerial Imagery (B7) ____ Other (Explain in Remarks) ____ Sparsely Vegetated Concave Surface (B8)		<u>Secondary Indicators (minimum of two required)</u> ____ Surface Soil Cracks (B6) ____ Drainage Patterns (B10) ____ Moss Trim Lines (B16) ____ Dry-Season Water Table (C2) ____ Crayfish Burrows (C8) ____ Saturation Visible on Aerial Imagery (C9) ____ Stunted or Stressed Plants (D1) ____ Geomorphic Position (D2) ____ Shallow Aquitard (D3) ____ Microtopographic Relief (D4) ____ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No _____ Depth (inches): _____ Water Table Present? Yes _____ No _____ Depth (inches): _____ Saturation Present? Yes _____ No _____ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION – Use scientific names of plants.

 Sampling Point: UP-2

Tree Stratum (Plot size: <u>30 feet</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
_____ =Total Cover				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>3</u></td> <td>x 3 = <u>9</u></td> </tr> <tr> <td>FACU species <u>40</u></td> <td>x 4 = <u>160</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>43</u> (A)</td> <td><u>169</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.93</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>3</u>	x 3 = <u>9</u>	FACU species <u>40</u>	x 4 = <u>160</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>43</u> (A)	<u>169</u> (B)	Prevalence Index = B/A = <u>3.93</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>3</u>	x 3 = <u>9</u>																			
FACU species <u>40</u>	x 4 = <u>160</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>43</u> (A)	<u>169</u> (B)																			
Prevalence Index = B/A = <u>3.93</u>																				
_____ =Total Cover																				
Sapling/Shrub Stratum (Plot size: <u>15 feet</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
_____ =Total Cover				Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
Herb Stratum (Plot size: <u>5 feet</u>)																				
1. <u>Erigeron annuus</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>																	
2. <u>Galium mollugo</u>	<u>2</u>	<u>No</u>	<u>FACU</u>																	
3. <u>Prunella vulgaris</u>	<u>3</u>	<u>No</u>	<u>FAC</u>																	
4. <u>Poa pratensis</u>	<u>2</u>	<u>No</u>	<u>FACU</u>																	
5. <u>Phleum pratense</u>	<u>25</u>	<u>Yes</u>	<u>FACU</u>																	
6. <u>Oxalis stricta</u>	<u>1</u>	<u>No</u>	<u>FACU</u>																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>43</u> =Total Cover				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 or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																
Woody Vine Stratum (Plot size: <u>30 feet</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
_____ =Total Cover																				
Remarks: (Include photo numbers here or on a separate sheet.)																				

SOIL

Sampling Point: UP-2

[illegible]

Project/Site: Church Street Building Addition City/County: Cicero/Onondaga County Sampling Date: 4/25/25
Applicant/Owner: North Area Meals on Wheels State: NY Sampling Point: UP-3
Investigator(s): S. Booth Section, Township, Range: 022.-02-01.1

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

Hydrophytic Vegetation Present? Yes _____ No <u> X </u> Hydric Soil Present? Yes _____ No <u> X </u> Wetland Hydrology Present? Yes _____ No <u> X </u>	Is the Sampled Area within a Wetland? Yes _____ No <u> X </u> If yes, optional Wetland Site ID: _____
--	---

Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>				<u>Secondary Indicators (minimum of two required)</u>			
☐ Surface Water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water Marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)	☐ Marl Deposits (B15)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Presence of Reduced Iron (C4)
☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage Patterns (B10)	☐ Moss Trim Lines (B16)	☐ Dry-Season Water Table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ Shallow Aquitard (D3)	☐ Microtopographic Relief (D4)	☐ FAC-Neutral Test (D5)		
Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): Water Table Present? Yes ☐ No ☒ Depth (inches): Saturation Present? Yes ☐ No ☒ Depth (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

VEGETATION – Use scientific names of plants.

 Sampling Point: UP-3

Tree Stratum (Plot size: <u>30 feet</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
			=Total Cover	Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>2</u></td> <td>x 3 = <u>6</u></td> </tr> <tr> <td>FACU species <u>32</u></td> <td>x 4 = <u>128</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>34</u> (A)</td> <td><u>134</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.94</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>2</u>	x 3 = <u>6</u>	FACU species <u>32</u>	x 4 = <u>128</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>34</u> (A)	<u>134</u> (B)	Prevalence Index = B/A = <u>3.94</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>2</u>	x 3 = <u>6</u>																			
FACU species <u>32</u>	x 4 = <u>128</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>34</u> (A)	<u>134</u> (B)																			
Prevalence Index = B/A = <u>3.94</u>																				
			=Total Cover																	
Sapling/Shrub Stratum (Plot size: <u>15 feet</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
			=Total Cover																	
Herb Stratum (Plot size: <u>5 feet</u>)																				
1. <u>Trifolium pratense</u>	<u>15</u>	<u>Yes</u>	<u>FACU</u>																	
2. <u>Taraxacum officinale</u>	<u>5</u>	<u>No</u>	<u>FACU</u>																	
3. <u>Anthoxanthum odoratum</u>	<u>2</u>	<u>No</u>	<u>FACU</u>																	
4. <u>Prunella vulgaris</u>	<u>2</u>	<u>No</u>	<u>FAC</u>																	
5. <u>Phleum pratense</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
			<u>34</u> =Total Cover																	
Woody Vine Stratum (Plot size: <u>30 feet</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
			=Total Cover																	
Remarks: (Include photo numbers here or on a separate sheet.) 																				

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 or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation
 Present? Yes No X

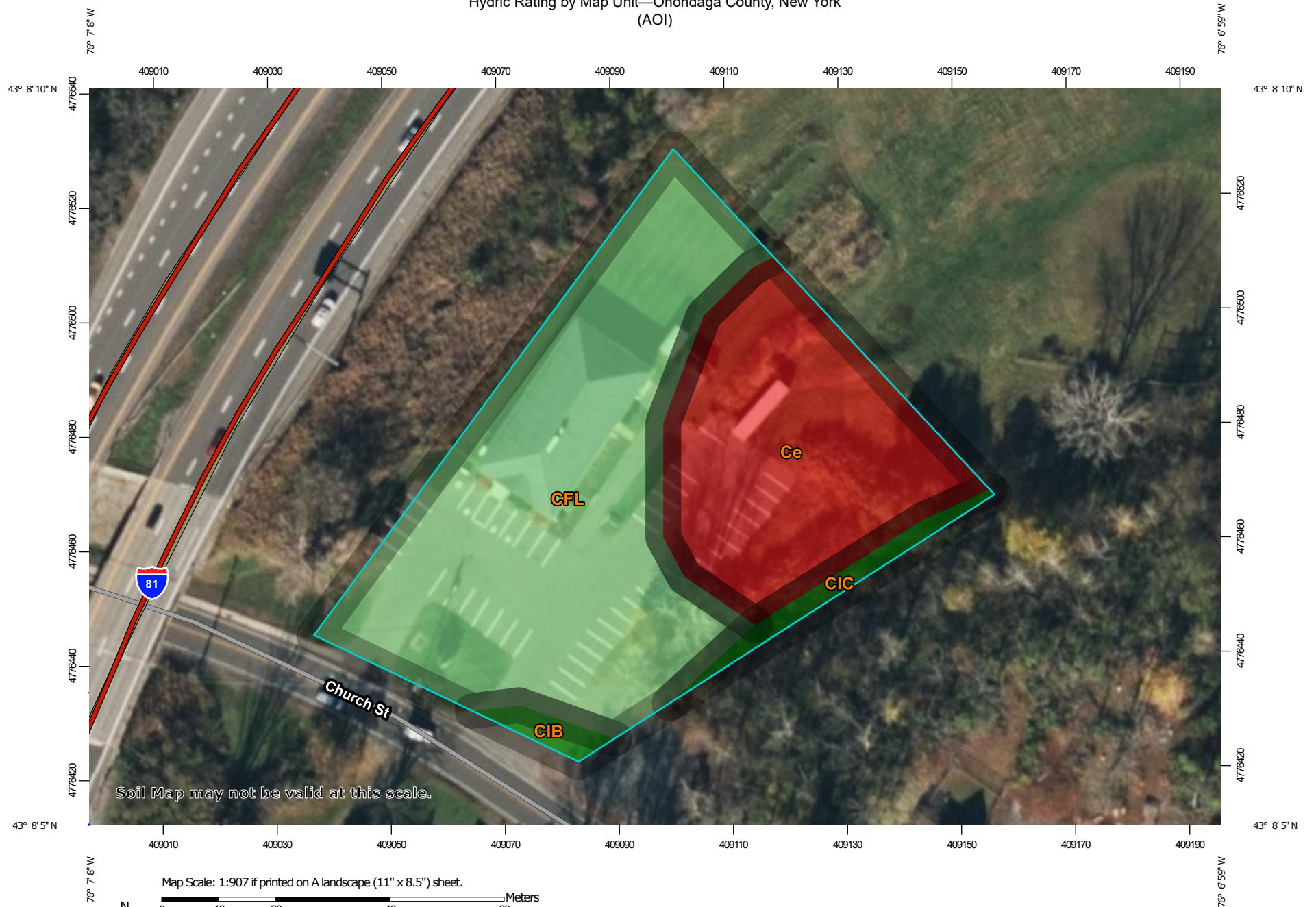
SOIL

Sampling Point: UP-3

[illegible]

APPENDIX B
WEB SOIL SURVEY

Hydric Rating by Map Unit—Onondaga County, New York (AOI)



Hydric Rating by Map Unit—Onondaga County, New York
(AOI)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

Soil Rating Polygons

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  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

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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: Onondaga County, New York
Survey Area Data: Version 18, Sep 5, 2023

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

Date(s) aerial images were photographed: Aug 3, 2021—Nov 7, 2021

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
Ce	Carlisle muck	100	0.5	34.0%
CFL	Cut and fill land	10	0.9	61.6%
CIB	Colonie loamy fine sand, 0 to 6 percent slopes	0	0.0	1.6%
CIC	Colonie loamy fine sand, rolling	0	0.0	2.8%
Totals for Area of Interest			1.5	100.0%

Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Rating Options

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

APPENDIX C
PHOTOGRAPHS

Photo Documentation

Project: Church Street Building Addition,
Town of Cicero, Onondaga County, New York



Photo of A-U Data Point. Photo taken 8/12/2024.



Photo of soil at A-U Data Point. Photo taken 8/12/2024.

Photo Documentation

Project: Church Street Building Addition,
Town of Cicero, Onondaga County, New York



Photo of A-W Data Point. Photo taken 8/12/2024.



Photo of soil at A-W Data Point. Photo taken 8/12/2024.

Photo Documentation

Project: Church Street Building Addition,
Town of Cicero, Onondaga County, New York



Photo of B-U Data Point. Photo taken 4/25/2025.



Photo of soil at B-U Data Point. Photo taken 4/25/2025

Photo Documentation

Project: Church Street Building Addition,
Town of Cicero, Onondaga County, New York



Photo of B-W Data Point. Photo taken 4/25/2025.



Photo of soil at B-W Data Point. Photo taken 4/25/2025

Photo Documentation

Project: Church Street Building Addition,
Town of Cicero, Onondaga County, New York



Photo of UP-1 Data Point. Photo taken 4/25/2025.



Photo of soil at UP-1 Data Point. Photo taken 4/25/2025

Photo Documentation

Project: Church Street Building Addition,
Town of Cicero, Onondaga County, New York



Photo of UP-2 Data Point. Photo taken 4/25/2025.



Photo of soil at UP-2 Data Point. Photo taken 4/25/2025

Photo Documentation

Project: Church Street Building Addition,
Town of Cicero, Onondaga County, New York



Photo of UP-3 Data Point. Photo taken 4/25/2025.



Photo of soil at UP-3 Data Point. Photo taken 4/25/2025