


April 17, 2021

Via PDF Electronic File



RE: Wetland Determination Results: Property at 1861 Hilltop Ln., Bannockburn, IL
PIN 16-19-202-002; Lat/Lon 42.1958299; -87.8721367; 

Dear 

I provide the following results from a wetland delineation conducted at the property referenced above located in the Village of Bannockburn, Lake County, IL (Figure 1). You hired us to investigate the southern portion of the property for any areas meeting the definition of wetlands or waters of the U.S. (WOTUS) and/or Isolated Waters of Lake County (IWLC). Specifically, we investigated the areas that will be used residential improvements (See attached plans provided by the site engineer, Greengard Inc.). I did not find any wetlands in the proposed improvement areas. Note: wetlands may be present on other areas of the site. These include an excavated pond near the driveway and shrub/forested wetlands near the northern property border. These potential wetlands are not in areas that will be disturbed.

Site Description

The 3.78-acre residential property contains a one single-story structure, one small shed near west side of the driveway, and manicured turf grass and landscaping for the front, rear, and side yards. A small pond, presumably excavated, exists in the central portion of the site, and contains a 12-inch CMP culvert under the driveway. Lake County GIS indicates that the residence was built circa 1950-60 as it is first shown on the 1961 Lake County aerial photograph. The residence was one of the earlier structures accessing Hilltop Lane. At that time, farmland adjoined the eastern property boundary and pastureland or grassland appears present to the north and west of the site. Infill lots with development of other residential structures occurred shortly thereafter in the late 1970s and early 1980s. Other than small landscaping improvements and possible structure improvement (addition) between 1993 and 1997, the site appears unchanged since the original construction date. The site is in the NE $\frac{1}{4}$ of Section 19, Township 43N, Range 12E, of West Deerfield Township

The elevation near the residence is shown as the highest elevations (shown as 701 feet on the 2017 Lake County topography) and gently slopes toward the north/Hilltop Lane (elevation = 695 feet) as shown on Figure 7. From the structure south, the property slopes to elevation of 698 or around 4-foot higher near the structure. The Lake County Wetland Inventory (LCWI, Figure 2) does not show wetlands for the site but areas are shown for the adjoining properties to the west and south associated with ponds. However, the National Wetland Inventory (NWI, Figure 5) map does show a "Palustrine" wetland extending into the site along the southwestern border. No 100-year floodplain (i.e., Zone AE) or Floods of Record are indicated (Figures 3 and 6). Two soils are shown for the site: (1) Del Rey silt loam, 0 to 2% slopes identified by Lake County as having hydric inclusions, and (2) Ozaukee silt loam, 2 to 4% slopes. Hydric soils developed under wet or wetland conditions. Both Del Rey and Ozaukee may contain hydric inclusions (portions of hydric soil within an upland soil).

Results

I examined the site on April 16, 2021, and delineated wetlands in accordance with the methodology required by the Lake County Watershed Development Ordinance (WDO) which prescribes following the 1987 USACE wetland delineation manual (as amended, including applicable supplements). A note concerning growing season: the spring of 2021 has been a somewhat dry and warmer than usual beginning of the season. The USACE's Antecedent Precipitation Tool output (Figure 8) shows precipitation that is drier than normal but close to the lower "normal" range. The site evidence indicates "growing season" conditions existed for the data collection. I placed three data points to represent: (1) the proposed patio/hardscape area located in the backyard area ("1 UPL"), (2) a data point located near the proposed structure in the front yard area ("2 UPL"), and (3) a data point in the area near the proposed driveway improvement ("3 UPL"). Please see the attached data sheets and photographs. Figure 7 shows the wetland results aerial and data point locations.

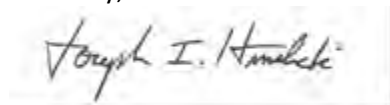
Maintained turf grasses are the dominant vegetation type near the residential structure along with landscape shrubs and trees. The vegetation dominance is similar for all data points and did not meet the "hydrophytic vegetation" criterion for Data Point nos. 1UPL and 2UPL but did meet the criterion for Data Point 3UPL. The turf grass is mostly seeded grasses dominated by Red Fescue (*Festuca rubra*), along with Spreading Bent (*Agrostis stolonifera*) for Data point 3UPL, a grass that can grow in wetter conditions. Also present are a few upland weedy species such as Red Clover (*Trifolium pratense*), Common Dandelion (*Taraxacum officinale*), and Creeping Charlie (*Glechoma hederacea*). Near Data Point 3UPL, European Buckthorn (*Rhamnus cathartica*) dominates the shrub layer. Soils did not meet the "hydric soil" or "wetland hydrology" criteria for any data point. As such, none of the data points contained wetlands.

We did not investigate the area near the excavated pond or shrub/sapling wooded area located in the northwest property boundary or along the Thornapple Lane as these were not areas near grading or proposed structures. However, we caution that these areas may contain wetlands and need to be further investigated if work is proposed near them. Also, a sump pump discharge at the southern portion of the residence (near a wooden deck) is causing a ponded condition as shown on Photograph 5. We recommend providing positive drainage away from the house for the sump pump discharge.

Wetland Regulatory Considerations

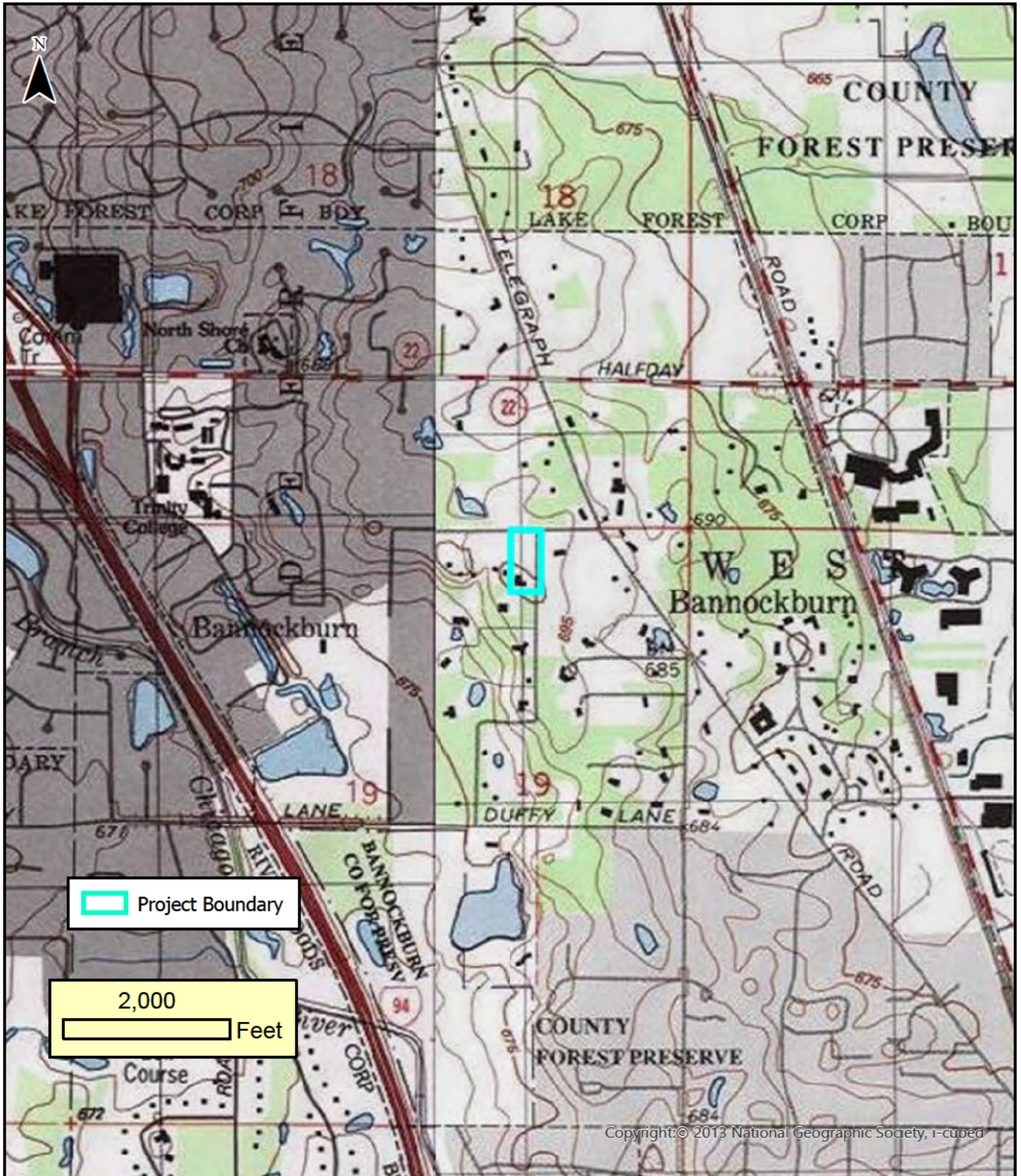
I did not find wetlands in the proposed development area as indicated on Figure 7. Based on the information provided above, I recommend transmitting this letter to the village of Bannockburn, along with the engineering plans showing the building footprint including all grading or recontouring, supporting the finding that no wetlands will be directly impacted by the activity. Please feel free to contact me if you have any questions about the above information or if I can assist you further.

Sincerely,



Joseph I. Hmieleski, PWS, CWS-01
JHWetco.com, Inc.

Attachments: Figures; Appendix A: Data Sheets
Appendix B: Photographs



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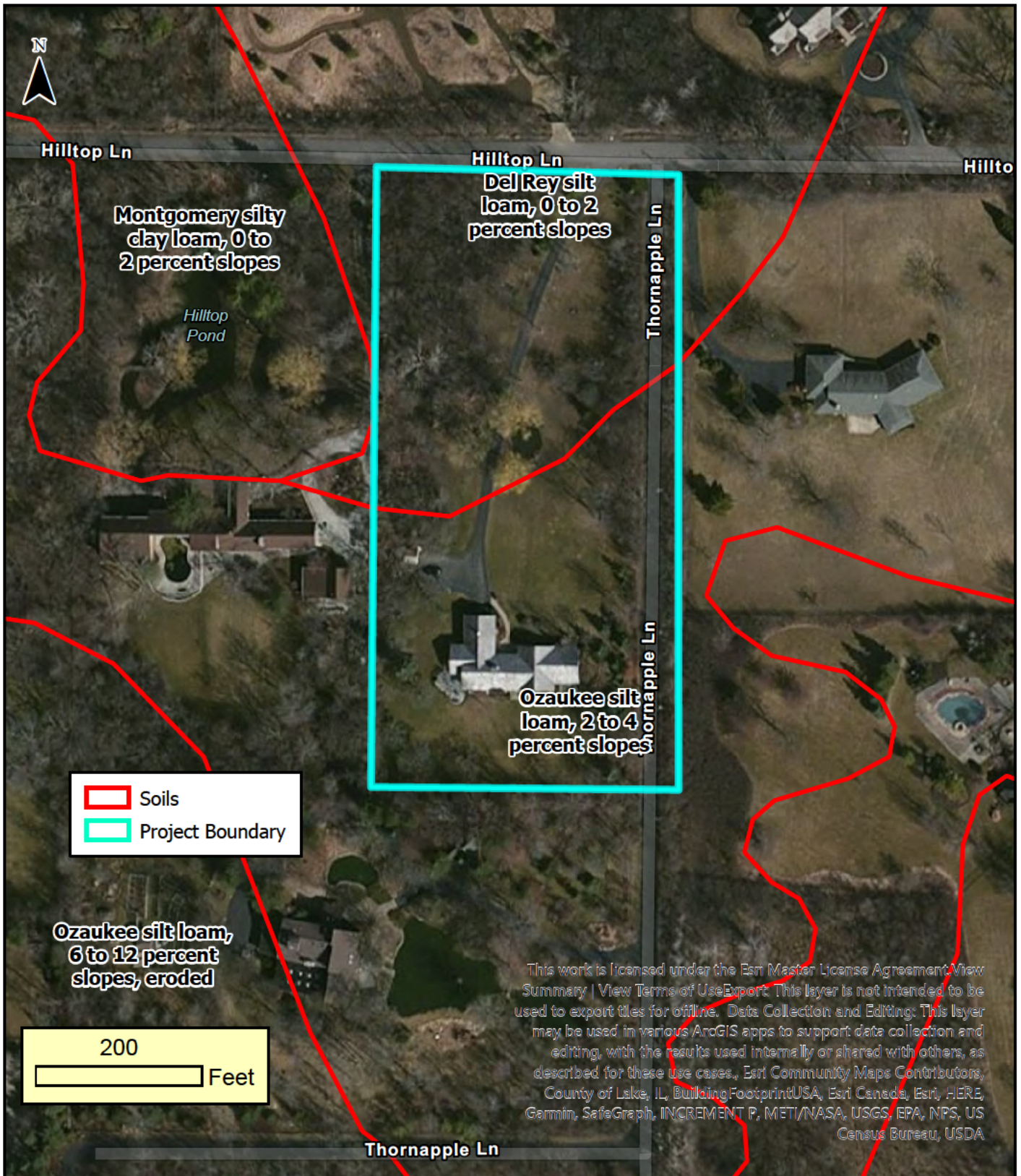
<p>Figure 1.</p> <p>USGS Quad Map</p>		<p>Field Date: April 16, 2021</p> <p>Delineator: J. Hmieleski, CWS-001</p>
	<p>1861 Hilltop Lane</p> <p>Lincolnshire, IL</p>	<p>Sect./T/R: NE19, T43N, R12E</p> <p>PIN#: 16-19-202-022</p> <p>Lat/Long: 42.1958299; 87.8721367</p>



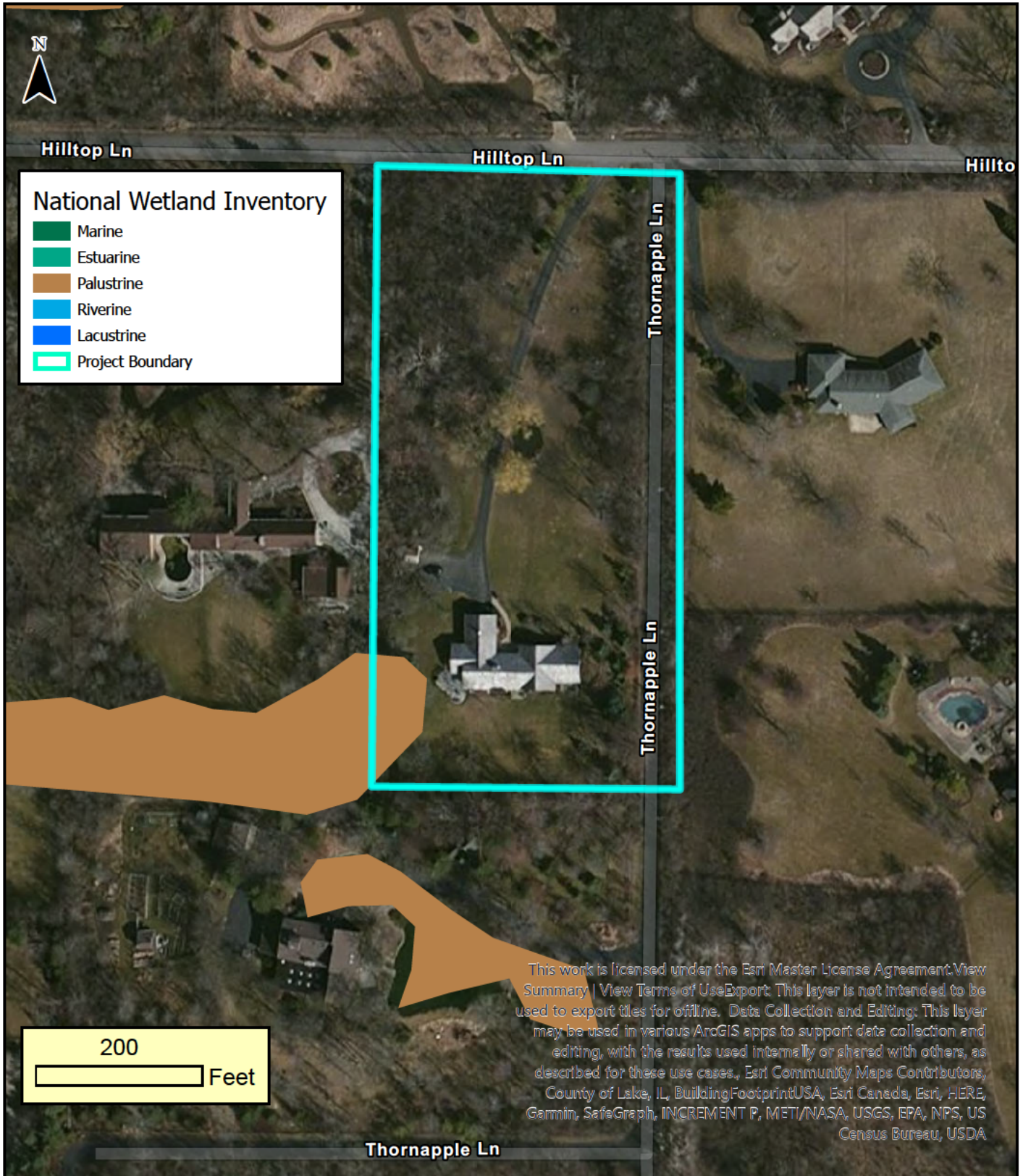
<p>Figure 2.</p> <p>Lake County Wetland Inventory Map</p>		<p>Field Date: April 16, 2021</p> <p>Delineator: J. Hmieleski, CWS-001</p>
	<p>1861 Hilltop Lane</p> <p>Lincolnshire, IL</p>	<p>Sect./T/R: NE19, T43N, R12E</p> <p>PIN#: 16-19-202-022</p> <p>Lat/Long: 42.1958299; 87.8721367</p>



<p>Figure 3.</p> <p>FEMA Floodplain Map (GIS)</p>		<p>Field Date: April 16, 2021</p> <p>Delineator: J. Hmieleski, CWS-001</p>
	<p>1861 Hilltop Lane Lincolnshire, IL</p>	<p>Sect./T/R: NE19, T43N, R12E</p> <p>PIN#: 16-19-202-022</p> <p>Lat/Long: 42.1958299; 87.8721367</p>



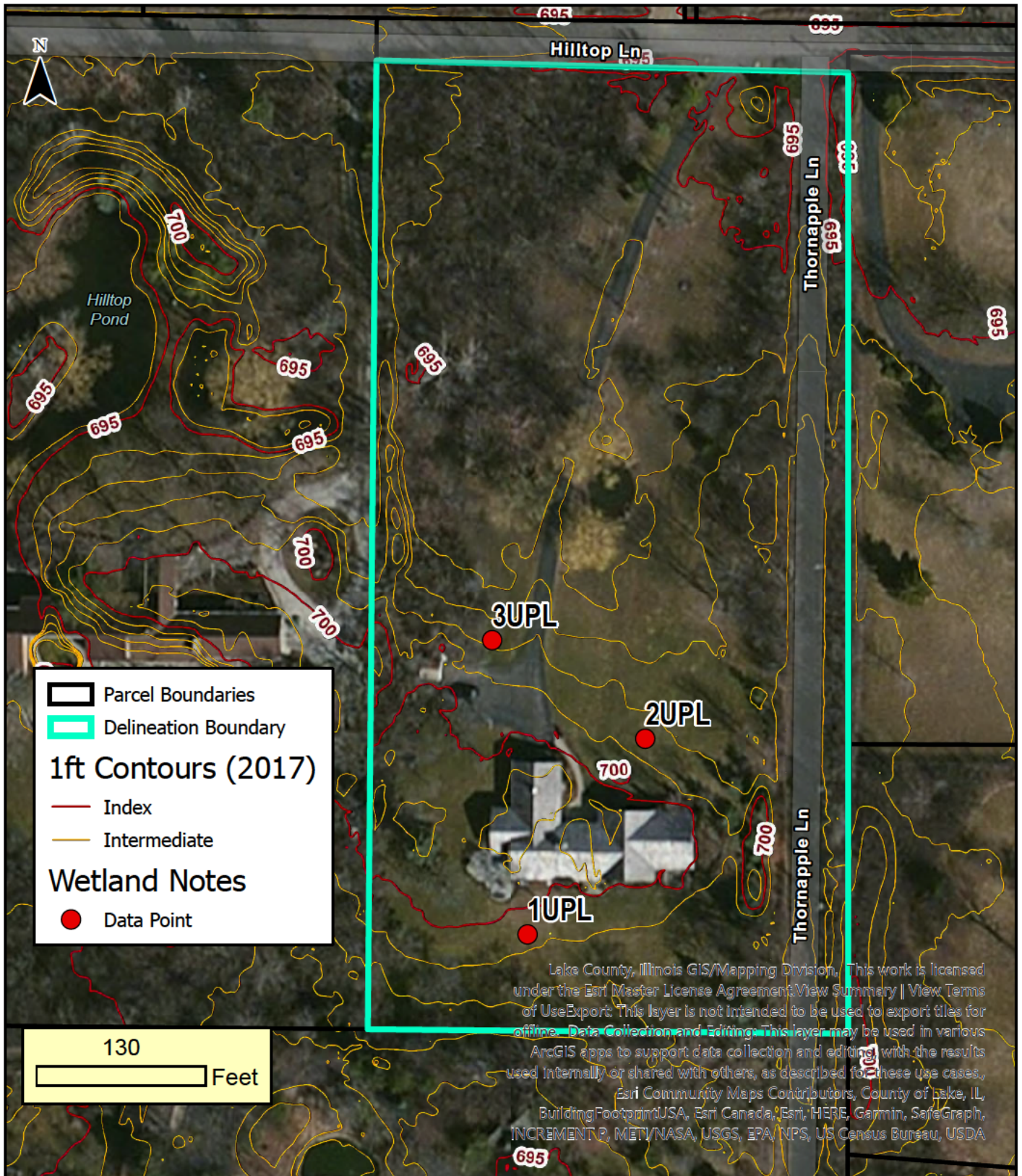
<p>Figure 4.</p> <p>Soils Map (GIS)</p>		<p>Field Date: April 16, 2021</p> <p>Delineator: J. Hmieleski, CWS-001</p>
	<p>1861 Hilltop Lane</p> <p>Lincolnshire, IL</p>	<p>Sect./T/R: NE19, T43N, R12E</p> <p>PIN#: 16-19-202-022</p> <p>Lat/Long: 42.1958299; 87.8721367</p>



<p>Figure 5.</p> <p>National Wetland Inventory Map (GIS)</p>		<p>Field Date: April 16, 2021</p> <p>Delineator: J. Hmieleski, CWS-001</p>
	<p>1861 Hilltop Lane</p> <p>Lincolnshire, IL</p>	<p>Sect./T/R: NE19, T43N, R12E</p> <p>PIN#: 16-19-202-022</p> <p>Lat/Long: 42.1958299; 87.8721367</p>



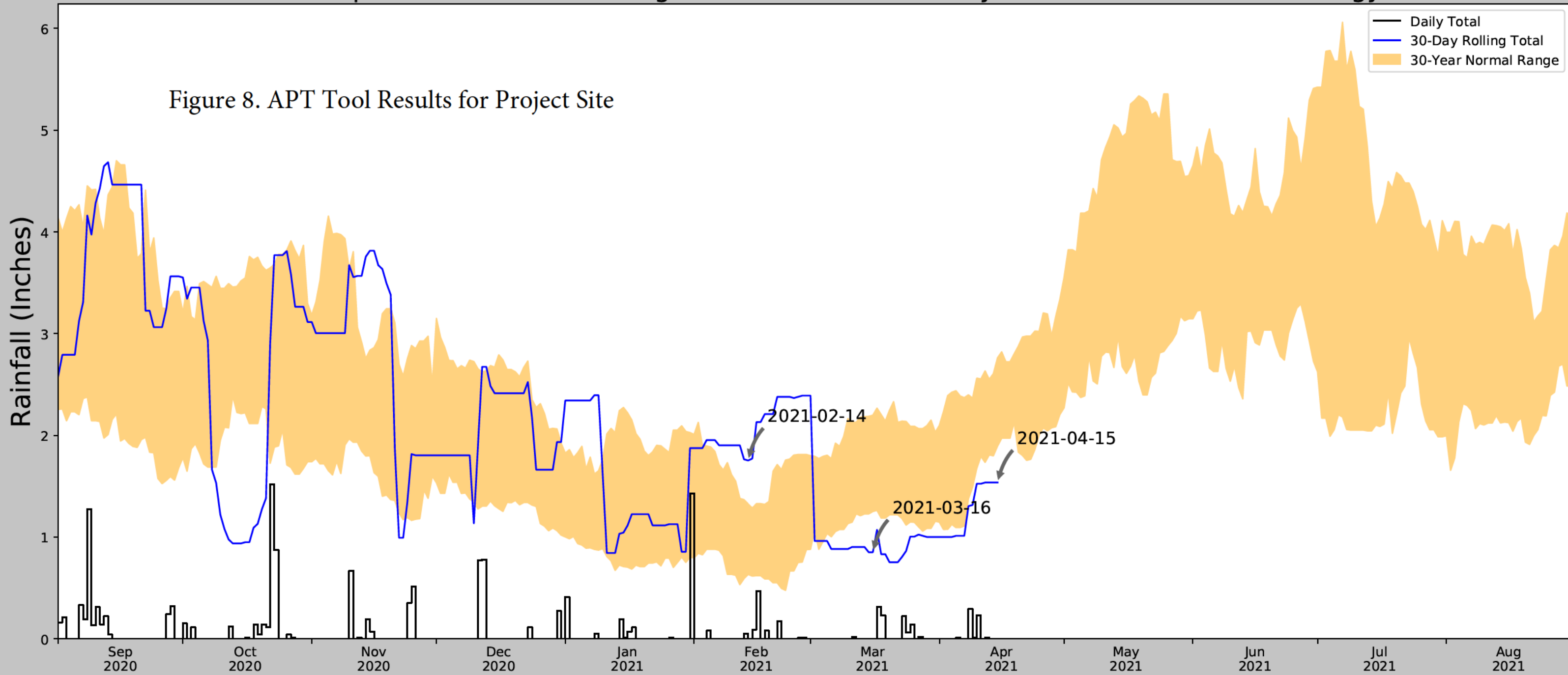
<p>Figure 6.</p> <p>Flood of Record Map (GIS)</p>	<p>1861 Hilltop Lane Lincolnshire, IL</p>	<p>Field Date: April 16, 2021</p> <p>Delineator: J. Hmieleski, CWS-001</p>
		<p>Sect./T/R: NE19, T43N, R12E</p> <p>PIN#: 16-19-202-022</p> <p>Lat/Long: 42.1958299; 87.8721367</p>



<p>Figure 7.</p> <p>Wetland Results Map</p>		<p>Field Date: April 16, 2021</p> <p>Delineator: J. Hmieleski, CWS-001</p>
	<p>1861 Hilltop Lane</p> <p>Lincolnshire, IL</p>	<p>Sect./T/R: NE19, T43N, R12E</p> <p>PIN#: 16-19-202-022</p> <p>Lat/Long: 42.1958299; 87.8721367</p>

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network

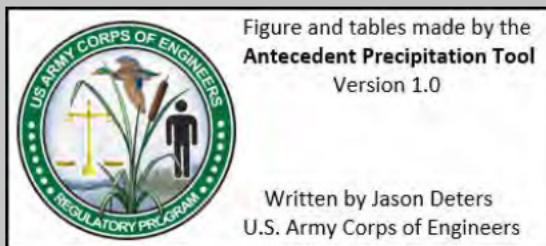
Figure 8. APT Tool Results for Project Site



Coordinates	42.1958299, -87.8721367
Observation Date	2021-04-15
Elevation (ft)	696.06
Drought Index (PDSI)	Not available
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-04-15	1.894095	2.761417	1.535433	Dry	1	3	3
2021-03-16	1.250787	2.197244	0.850394	Dry	1	2	2
2021-02-14	0.632677	1.324016	1.751969	Wet	3	1	3
Result							Drier than Normal - 8

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days (Normal)	Days (Antecedent)
CHICAGO PALWAUKEE AP	42.1208, -87.9047	636.155	5.446	59.905	2.777	8186	86
BANNOCKBURN 0.5 ESE	42.1896, -87.86	672.9	0.756	23.16	0.358	4	4
RIVERWOODS 0.4 ENE	42.1726, -87.8884	691.929	1.808	4.131	0.821	11	0
LINCOLNSHIRE 0.9 N	42.2082, -87.9188	686.024	2.537	10.036	1.167	7	0
CHICAGO BOTANIC GARDEN	42.14, -87.7853	629.921	5.887	66.139	3.038	3112	0
GLENVIEW NAS	42.0833, -87.8333	645.997	8.026	50.063	4.013	29	0
LIBERTYVILLE 4 NNW	42.3097, -87.9908	720.144	9.936	24.084	4.711	3	0
WAUKEGAN	42.3492, -87.8828	700.131	10.611	4.071	4.818	1	0



Appendix A – USACE Data Sheets

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: 1861 Hilltop Ln., Bannockburn, IL City/County: Bannockburn/ Lake Sampling Date: 2021-04-16
 Applicant/Owner: Shalowitz State: Illinois Sampling Point: 1UPL
 Investigator(s): J. Hmieleski Section, Township, Range: NE 19, T43N, R12E
 Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): None
 Slope (%): 0.0 Lat: 42.1951904 Long: -87.8747087 Datum: WGS 84
 Soil Map Unit Name: Ozaukee NWI classification: None

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 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 showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Mowed turf grass area near residential structure.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status															
1. <u>Acer saccharinum</u>	<u>30</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	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>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33</u> (A/B)														
2. _____	_____	_____	_____															
3. _____	_____	_____	_____															
4. _____	_____	_____	_____															
5. _____	_____	_____	_____															
<u>30%</u> = Total Cover				Prevalence Index worksheet: <table style="width:100%; border-collapse: collapse;"> <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>30</u></td> <td>x 2 = <u>60</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>95</u></td> <td>x 4 = <u>380</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>130</u> (A)</td> <td><u>455</u> (B)</td> </tr> </table> Prevalence Index = B/A = <u>3.5</u>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>30</u>	x 2 = <u>60</u>	FAC species <u>5</u>	x 3 = <u>15</u>	FACU species <u>95</u>	x 4 = <u>380</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>130</u> (A)	<u>455</u> (B)
Total % Cover of:	Multiply by:																	
OBL species <u>0</u>	x 1 = <u>0</u>																	
FACW species <u>30</u>	x 2 = <u>60</u>																	
FAC species <u>5</u>	x 3 = <u>15</u>																	
FACU species <u>95</u>	x 4 = <u>380</u>																	
UPL species <u>0</u>	x 5 = <u>0</u>																	
Column Totals: <u>130</u> (A)	<u>455</u> (B)																	
Sapling/Shrub Stratum (Plot size: <u>15 ft r</u>)																		
1. _____	_____	_____	<u>FAC</u>															
2. _____	_____	_____	_____															
3. _____	_____	_____	<u>FACU</u>															
4. _____	_____	_____	_____															
5. _____	_____	_____	_____															
_____ = Total Cover																		
Herb Stratum (Plot size: <u>5 ft r</u>)																		
1. <u>Festuca rubra</u>	<u>60</u>	<input checked="" type="checkbox"/>	<u>FACU</u>															
2. <u>Trifolium pratense</u>	<u>30</u>	<input checked="" type="checkbox"/>	<u>FACU</u>															
3. <u>Poa pratensis</u>	<u>5</u>	_____	<u>FAC</u>															
4. <u>Taraxacum officinale</u>	<u>5</u>	_____	<u>FACU</u>															
5. _____	_____	_____	_____															
6. _____	_____	_____	_____															
7. _____	_____	_____	_____															
8. _____	_____	_____	_____															
9. _____	_____	_____	_____															
10. _____	_____	_____	_____															
<u>100%</u> = Total Cover																		
Woody Vine Stratum (Plot size: <u>30 ft r</u>)																		
1. _____	_____	_____	_____															
2. _____	_____	_____	_____															
_____ = Total Cover																		

Remarks: (Include photo numbers here or on a separate sheet.)
Mowed regularly but Hasn't been mowed yet this season.

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: 1861 Hilltop Ln., Bannockburn, IL City/County: Bannockburn/ Lake Sampling Date: 2021-04-16
 Applicant/Owner: Shalowitz State: Illinois Sampling Point: 2UPL
 Investigator(s): J. Hmieleski Section, Township, Range: NE 19, T43N, R12E
 Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): None
 Slope (%): 0.0 Lat: 42.1958923 Long: -87.8705597 Datum: WGS 84
 Soil Map Unit Name: Ozaukee NWI classification: None

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 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 showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Mowed turf grass area near residential structure.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)
4. _____	_____	_____	<u>FACW</u>	
5. _____	_____	_____	_____	
_____ = Total Cover				
Prevalence Index worksheet:				
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>0</u> x 3 = <u>0</u>				
FACU species <u>100</u> x 4 = <u>400</u>				
UPL species <u>0</u> x 5 = <u>0</u>				
Column Totals: <u>100</u> (A) <u>400</u> (B)				
Prevalence Index = B/A = <u>4.0</u>				
Hydrophytic Vegetation Indicators:				
___ 1 - Rapid Test for Hydrophytic Vegetation				
___ 2 - Dominance Test is >50%				
___ 3 - Prevalence Index is ≤3.0 ¹				
___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)				
___ Problematic Hydrophytic Vegetation ¹ (Explain)				
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Remarks: (Include photo numbers here or on a separate sheet.)				
Mowed regularly but Hasn't been mowed yet this season.				

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: 1861 Hilltop Ln., Bannockburn, IL City/County: Bannockburn/ Lake Sampling Date: 2021-04-16
 Applicant/Owner: Shalowitz State: Illinois Sampling Point: 3UPL
 Investigator(s): J. Hmieleski Section, Township, Range: NE 19, T43N, R12E
 Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 42.1955261 Long: -87.8722768 Datum: WGS 84
 Soil Map Unit Name: _____ NWI classification: _____

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 _____ 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 showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Remarks: Mowed turf grass near driveway.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>67</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
_____ = Total Cover				Prevalence Index worksheet: <table style="width:100%; border-collapse: collapse;"> <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>50</u></td> <td>x 2 = <u>100</u></td> </tr> <tr> <td>FAC species <u>10</u></td> <td>x 3 = <u>30</u></td> </tr> <tr> <td>FACU species <u>50</u></td> <td>x 4 = <u>200</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>110</u> (A)</td> <td><u>330</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.0</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>50</u>	x 2 = <u>100</u>	FAC species <u>10</u>	x 3 = <u>30</u>	FACU species <u>50</u>	x 4 = <u>200</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>110</u> (A)	<u>330</u> (B)	Prevalence Index = B/A = <u>3.0</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>50</u>	x 2 = <u>100</u>																			
FAC species <u>10</u>	x 3 = <u>30</u>																			
FACU species <u>50</u>	x 4 = <u>200</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>110</u> (A)	<u>330</u> (B)																			
Prevalence Index = B/A = <u>3.0</u>																				
_____ = Total Cover				Hydrophytic Vegetation Indicators: ___ 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% ___ 3 - Prevalence Index is ≤3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain)																
_____ = Total Cover					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.															
_____ = Total Cover						Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____														
_____ = Total Cover																				
_____ = Total Cover																				
_____ = Total Cover																				
Remarks: (Include photo numbers here or on a separate sheet.) Occasionally maintained. Buckthorn is a long western property edge.																				

Appendix B – Photographs



1. Data point 1UPL (Upland) showing turfgrass and existing residence facing northeast.



2. Data point 2UPL (Upland) facing south viewing front (north side) of residence.



3. Data point 3UPL (Upland) facing north with residential driveway to the right (east).



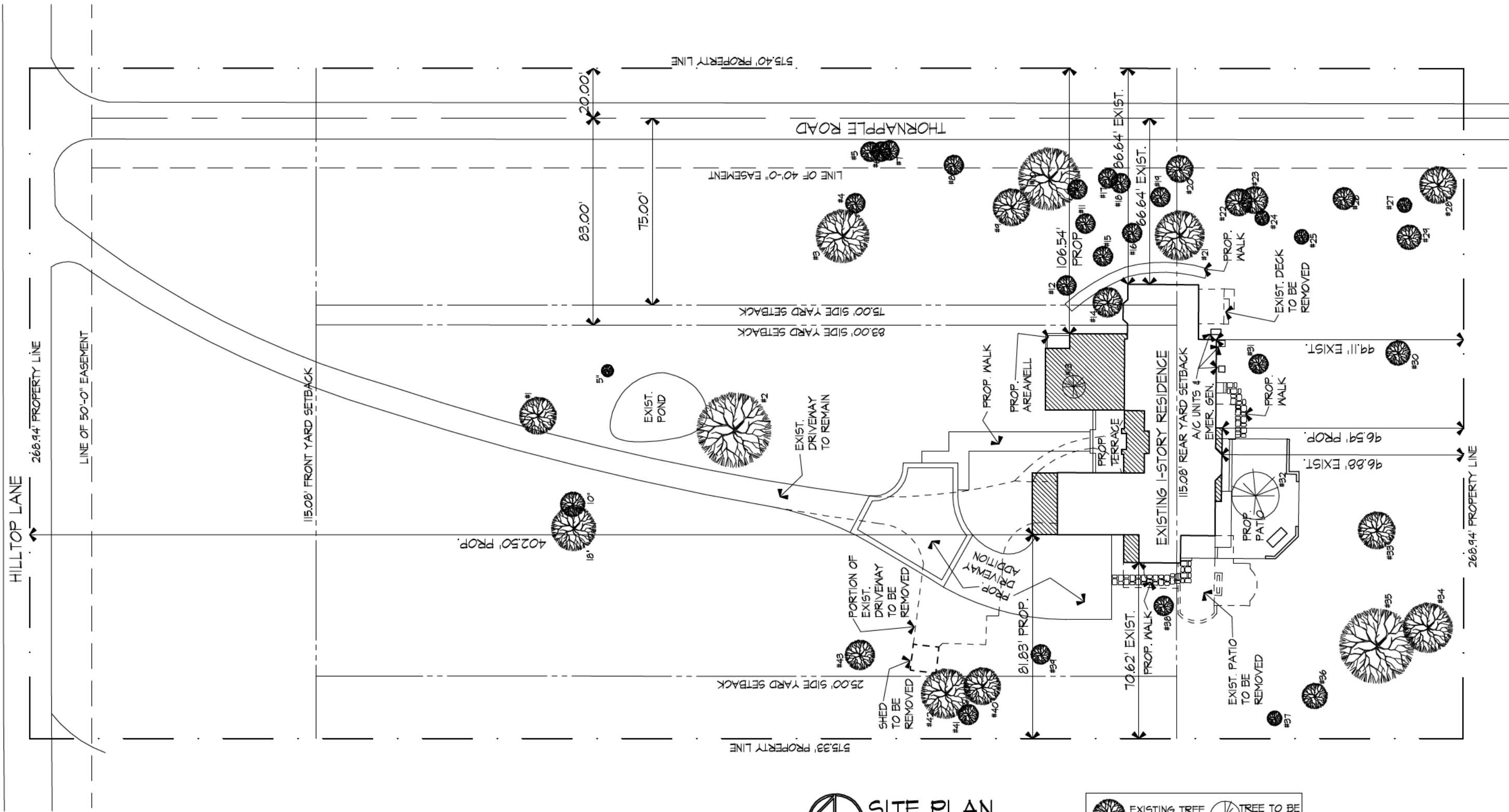
4. Pond (presumably excavated) with landscaping and culvert facing northwest.



5. Sump pump outlet showing ponded conditions near deck on south side of residence.



6. View of residence, yard, driveway, and landscaping facing south from the northern property boundary.



SITE PLAN
 SCALE: 1" = 40'-0"

EXISTING TREE TO REMAIN
 TREE TO BE REMOVED