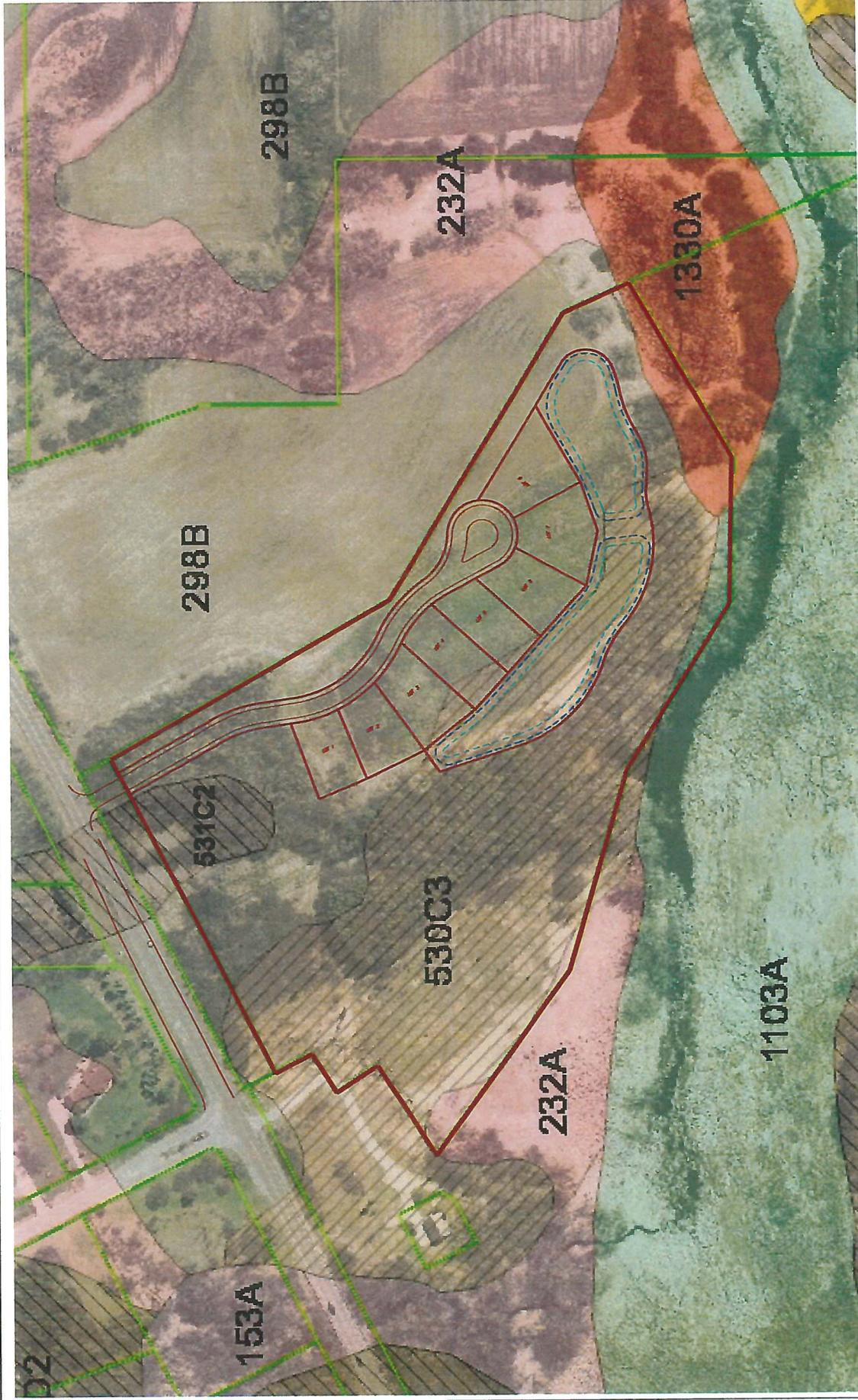


Soils Map



- 1103 HOUGHTON MUCK (HYDRIC) (CONSERVANCY)
- 232A ASHKUM SILTY CLAY LOAM
- 1330A PEOTONE SILTY CLAY LOAM (HYDRIC)
- 2988 BEECHER SILT LOAM
- 530C3 OZAUKEE SILTY CLAY LOAM
- 531C2 MARKHAM SILT LOAM


**PEARSON, BROWN & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 1000 W. WINCHESTER ROAD, SUITE 100  
 WILMINGTON, IL 62451  
 PHONE: (618) 342-9107  
 FAC: (618) 342-2607  
 E-MAIL ADDRESS: [pearson@pearsonbrown.com](mailto:pearson@pearsonbrown.com)

NORTH   
 0 75 150  
 SCALE: 1" = 150'

TITLE: SOIL MAP EXHIBIT  
 PROJECT: STEINBACH PROPERTY  
 LONG GROVE, IL  
 PROJECT NO.: JET1 DATE: 2/17/18

EXHIBIT **C**

USACOE Jurisdictional Determination



REPLY TO  
ATTENTION OF:

**DEPARTMENT OF THE ARMY**  
**CHICAGO DISTRICT, CORPS OF ENGINEERS**  
231 SOUTH LA SALLE STREET  
CHICAGO, ILLINOIS 60604-1437

November 24, 2015

Technical Services Division  
Regulatory Branch  
LRC-2015-00539

**SUBJECT: Jurisdictional Determination on a 16-Acre Midlothian Road Property Located South of Midlothian Road and Countryside Lake intersection in Long Grove, Lake County**

Eric Steinbach  
Addison Real Estate, LLC  
475 Arbor Drive  
Lake Bluff, Illinois 60044

Dear Mr. Steinbach:

This is in response to your request that the U.S. Army Corps of Engineers complete a jurisdictional determination for the above-referenced site submitted on your behalf by Hey and Associates. The subject project has been assigned number LRC-2015-00539. Please reference this number in all future correspondence concerning this project.

Following a review of the information you submitted, this office has determined that the subject property contains "waters of the United States". Wetland 2 has been determined to be under the jurisdiction of this office and is therefore, subject to Federal regulation. Wetland 1 has been determined to be isolated and therefore not subject to Federal regulation. Please be informed that this office does not concur with the boundaries of waters not under the jurisdiction of this office.

This office concurs with the submitted wetland delineation, and wetland boundaries at the subject site. In the event an application is submitted for work within jurisdictional areas, a professional survey of the wetland boundary(s) stamped by a professional surveyor will need to be prepared and shall accompany the approved wetland delineation.

For a detailed description of our determination please refer to the enclosed decision document.

This determination is valid for a period of five (5) years from the date of the letter, unless new information warrants revision of the determination before the expiration date or a District Commander has identified, after public notice and comment, that specific geographic areas with rapidly changing environmental conditions merit re-verification on a more frequent basis.

This letter is considered an approved jurisdictional determination for your subject site. If you object to this determination, you may appeal, according to 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and a Request for Appeal (RFA) form. If you request to appeal the above determination, you must submit a completed RFA form to the Great Lakes/Ohio River Division Office at the following address:

Jacob Siegrist  
Appeal Review Officer  
Great Lakes and Ohio River Division  
CELRD-PD-REG  
550 Main Street, Room 10032  
Cincinnati, Ohio 45202-3222  
Phone: (513) 684-2699 Fax: (513) 684-2460

In order to be accepted, your RFA must be complete, meet the criteria for appeal and be received by the Division Office within sixty (60) days of the date of the NAP. If you concur with the determination in this letter, submittal of the RFA form to the Division office is not necessary.

This determination has been conducted to identify the limits of the Corps Clean Water Act jurisdiction for the particular site identified in this request. This determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985, as amended. If you or your tenant are USDA program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service prior to starting work.

It is your responsibility to obtain any required state, county, or local approvals for impacts to wetland areas not under the Department of the Army jurisdiction. For projects in unincorporated areas of Lake County, please contact Lake County Planning, Building and Development at (847) 377-2600. For projects in incorporated areas of Lake County, please contact the Lake County Stormwater Management Commission at (847) 377-7700.

Pursuant to Section 404 of the Clean Water Act, the U.S. Army Corps of Engineers regulates the discharge of dredged or fill material into waters of the United States, including wetlands. A Department of the Army permit is required for any proposed work involving the discharge of dredged or fill material within the jurisdiction of this office. To initiate the permit process, please submit a joint permit application form along with detailed plans of the proposed work. Information concerning our program, including the application form and an application checklist, can be found at and downloaded from our website:  
<http://www.lrc.usace.army.mil/Missions/Regulatory.aspx>

If you have any questions, please contact Julie Rimbault of my staff by telephone at 312-846-5542 or email at Julie.C.Rimbault@usace.army.mil.

Sincerely,  
Digitally signed by  
CHERNICH.KATHLEEN.G.12303656  
16  
Date: 2015.11.25 15:51:13 -06'00'  
Kathleen G. Chernich  
Chief, East Section  
Regulatory Branch

Enclosures

Copy Furnished w/out Enclosures

Lake County Stormwater Management Commission (Kurt Woolford)  
Lake County Planning, Building and Development Department (Steve Crivello)  
Hey and Associates (Kelly Burdick)

**NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND  
REQUEST FOR APPEAL**

Applicant: Eric Steinbach, Addison Real Estate, LLC		File Number: LRC-2015-00539	Date: November 24, 2015
Attached is:			See Section below
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of Permission)		A
	PROFFERED PERMIT (Standard Permit or Letter of Permission)		B
	PERMIT DENIAL		C
X	APPROVED JURISDICTIONAL DETERMINATION		D
	PRELIMINARY JURISDICTIONAL DETERMINATION		E

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at [http://www.usace.army.mil/CECW/Pages/reg\\_materials.aspx](http://www.usace.army.mil/CECW/Pages/reg_materials.aspx) or Corps regulations at 33 CFR Part 331.

- A. INITIAL PROFFERED PERMIT:** You may accept or object to the permit.
- **ACCEPT:** If you received a Standard Permit or a Letter of Permission (LOP), you may sign the permit document and return it to the district commander for final authorization. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
  - **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district commander. Your objections must be received by the district commander within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district commander will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district commander will send you a proffered permit for your reconsideration, as indicated in Section B below.
- B. PROFFERED PERMIT:** You may accept or appeal the permit
- **ACCEPT:** If you received a Standard Permit or a Letter of Permission (LOP), you may sign the permit document and return it to the district commander for final authorization. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
  - **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division commander. This form must be received by the division commander within 60 days of the date of this notice.
- C. PERMIT DENIAL:** You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division commander. This form must be received by the division commander within 60 days of the date of this notice.
- D. APPROVED JURISDICTIONAL DETERMINATION:** You may accept or appeal the approved JD or provide new information.
- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
  - **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division commander. This form must be received by the division commander within 60 days of the date of this notice.
- E. PRELIMINARY JURISDICTIONAL DETERMINATION:** You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

**SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT**

**REASONS FOR APPEAL OR OBJECTIONS:** (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

**ADDITIONAL INFORMATION:** The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

**POINT OF CONTACT FOR QUESTIONS OR INFORMATION:**

If you have questions regarding this decision and/or the appeal process you may contact:

Regulatory Branch  
Chicago District Corps of Engineers  
231 South LaSalle Street, Suite 1500  
Chicago, IL 60604-1437  
Phone: (312) 846-5530  
Fax: (312) 353-4110

If you only have questions regarding the appeal process you may also contact:

Jacob Siegrist  
Appeal Review Officer  
Great Lakes and Ohio River Division  
CELRD-PD-REG  
550 Main Street, Room 10032  
Cincinnati, Ohio 45202-3222  
Phone: (513) 684-2699 Fax: (513) 684-2460

**RIGHT OF ENTRY:** Your signature below grants the right of entry to Corps of Commanders personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15-day notice of any site investigation, and will have the opportunity to participate in all site investigations.

\_\_\_\_\_

Signature of appellant or agent.

Date:

Telephone number:

Illinois Department of Natural Resources Consultation



## Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271  
www.dnr.illinois.gov

Bruce Rauner, Governor  
Wayne A. Rosenthal, Director

March 29, 2016

Kelly Burdick  
Hey and Associates, Inc.  
26575 W Commerce Dr.  
Suite 601  
Volo, IL 60073

**RE: Midlothian Road Property**  
**Project Number(s): 1606078 [13-0373]**  
**County: Lake**

Dear Ms. Burdick:

This letter concerns the Endangered Species Consultation for the project noted above, located in Lake County, Township 44 North, Range 10 East, Section 35. This project was submitted for consultation in accordance with the Illinois Endangered Species Protection Act [520 ILCS 10/11], the Illinois Natural Areas Preservation Act [525 ILCS 30/17], and Title 17 Illinois Administrative Code Part 1075.

The project involves construction of residential subdivision in Long Grove, IL.

The Department has completed its review of the project and determined that, with the exception below, the resources identified by EcoCAT in the vicinity are unlikely to be affected.

The project's activities are likely to affect the state-endangered **Blanding's Turtle** (*Emydoidea blandingii*). These turtles hibernate in wetlands and, depending on the temperature, generally emerge in the spring with upland nesting occurring in June. They may travel up to one mile in their search for nesting habitat. To avoid any impact to this species the Department recommends:

- Educate personnel working on site about the species. Post photos of juvenile and adult turtles at a central location.
- Install exclusionary silt fence by the end of March and maintain it through October (if needed) to prevent turtles from entering the construction area.
- Conduct daily inspections during construction to ensure that exclusionary fencing is properly installed (dug into the ground) and to check if turtles are present.
- Trenches should be covered at the end of each work day. Before starting each work day, trenches and excavations should be routinely inspected to ensure no turtles (or other reptiles) have become trapped within them.
- If Blanding's Turtles are encountered, crews should stop work immediately and contact IDNR at 815-675-2386 ext. 216 or 217-557-0483.

Also, the state and federally endangered **Northern Long-eared Bat** (*Myotis septentrionalis*) is known to occur in the vicinity of the project. To avoid any impact to this species the Department recommends:

- No trees should be removed between the dates of April 1 and October 14.
- If construction time occurs outside of the recommended timeframe, the Department recommends a potential roost tree survey be performed for these species within the tree removal area. The results of the survey should be forwarded to the Department. Please note, any survey activity that will actually capture or handle endangered or threatened species requires personnel doing so to hold Scientific Collection Permits under Part 520 and Part 1070 of the Department's Rules.
- If species are present, please contact IDNR at 815-675-2386 ext. 216 or 217-557-0483.

Consultation under 17 Ill. Adm. Code Part 1075 is completed. In accordance with 17 Ill. Adm. Code 1075.40(h), please notify the Department of your decision regarding these recommendations.

This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary.

The natural resource review reflects the information existing in the Illinois Natural Heritage Database at the time of the project submittal, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, you must comply with the applicable statutes and regulations. Also, note that termination does not imply IDNR's authorization or endorsement of the proposed action.

Please contact me if you have questions regarding this review.

Sincerely,  
Natalia Jones  
Impact Assessment Section  
217-785-5500  
natalia.jones@illinois.gov

cc: Amy Dragovich, IEPA

IHPA Review and Archeological Reconnaissance Report



FAX 217/524-7525  
[www.illinoishistory.gov](http://www.illinoishistory.gov)

Lake County  
Long Grove  
SE of N. Midlothian Road & Countryside Lake Drive  
Site #11L935  
Section:35-Township:44N-Range:10E  
COEC, H&A#I-13-0373, PSAAP-15-120  
New construction, residential development

PLEASE REFER TO: IHPA LOG #001010516

January 22, 2016

Steven Rauch  
Hey and Associates, Inc.  
26575 W. Commerce Dr., Suite 601  
Volo, IL 60073

Dear Mr. Rauch:

We have reviewed the documentation submitted for the referenced project(s) in accordance with 36 CFR Part 800.4. Based upon the information provided, no historic properties are affected. We, therefore, have no objection to the undertaking proceeding as planned.

Please retain this letter in your files as evidence of compliance with section 106 of the National Historic Preservation Act of 1966, as amended. This clearance remains in effect for two (2) years from date of issuance. It does not pertain to any discovery during construction, nor is it a clearance for purposes of the Illinois Human Skeletal Remains Protection Act (20 ILCS 3440).

If you are an applicant, please submit a copy of this letter to the state or federal agency from which you obtain any permit, license, grant, or other assistance.

Sincerely,

Rachel Leibowitz, Ph.D.  
Deputy State Historic  
Preservation Officer

**ARCHAEOLOGICAL RECONNAISSANCE OF A  
PROPOSED 16-ACRE RESIDENTIAL CONSTRUCTION PROJECT  
IN LAKE COUNTY, ILLINOIS**

*Project No. 15-120*

---

*for submission to & funded by:*

Mr. Eric Steinbach  
Addison Real Estate, LLC  
475 Arbor Drive  
Lake Bluff, Illinois 60044

*by:*

Dr. Kevin McGowan  
Director

*28 December 2015*



**PUBLIC SERVICE  
ARCHAEOLOGY &  
ARCHITECTURE  
PROGRAM**

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Department of Anthropology  
1707 South Orchard Street  
University of Illinois  
at Urbana-Champaign,  
Urbana, Illinois 61801

**ARCHAEOLOGICAL SURVEY SHORT REPORT**

Illinois Historic Preservation Agency  
Old State Capitol Building  
Springfield, Illinois 62701 (217/785-4997)

**IHPA Log:**

Locational Information and Survey Conditions

**County:** Lake

**Quadrangle:** Lake Zurich 7.5"

**Funding and/or Permitting Federal/State Agencies:**

**Sec:** 35

**T.:** 44 N

**R.:** 10 E

**Natural Division (No.):** 3a

**U.T.M.:** E. 414650 to E. 415100 and N. 4677245 to N. 4677580, UTM Zone 16 North WGS84.

**Project Description:** The project is a proposed residential development.

**Topography:** The project area is located in a low-lying, glacially formed upland.

**Soils:** Soils mapped as occurring within the project area include: Beecher silt loam, 2 to 4 percent slopes; Ozaukee silty clay loam, 4 to 6 percent slopes; and Peotone silty clay loam, undrained, 0 to 2 percent slopes (Natural Resources conservation Service 2015a).

**Drainage:** Indian Creek.

**Land Use/Ground Cover (Include % Visibility):** The project area is former agricultural field and residence with wetlands that has become overgrown with trees, shrubs, and weeds with 20 percent surface visibility in the former agricultural fields and less than 5 percent elsewhere.

**Survey Limitations:** None.

Archaeological and Historical Information

**Historic Plats/Atlases/Sources:** See Selected Sources.

**Previously Reported Sites:** There are no previously reported sites within the project area.

**Previous Surveys:** Portions of the project area (IHPA Document No's 6607 and 8978) are reported as previously surveyed (Mehrer 1991; Poulson 1997).

**Regional Archaeologists Contacted:** None.

**Investigation Techniques:** The project area was investigated by pedestrian reconnaissance, at 5-meter intervals, by screened, shovel tests, at 15-meter intervals in non-wetlands and by visual reconnaissance of wetland areas.

**Time Expended:** 12.0 field hours.

**Sites/Find Spots Located:** 11L935.

**Cultural Material:** Three building foundations surrounded by debris piles of metal, glass, ceramics, and plastic toys.

**(Curated at)** n/a.

**Collection Techniques:** Materials were twentieth century and were not collected.

**Areas Surveyed (Acres & Square Meters):** 16 Acres (64,752 Square Meters)

(OVER)

**REVIEWER** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Accepted** \_\_\_\_\_ **Rejected** \_\_\_\_\_

**IHPA USE ONLY (Form ASSR0886)**

**Project Type/Title:** New Construction/  
Midlothian Road

**COE**  
(i.e., CoE, HUD, IEPA, FmHA, etc.)

Results of Investigation and Recommendations: (Check One)

- Phase I Archaeological Reconnaissance Has Located No Archaeological Material; Project Clearance Is Recommended.
- Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) May Meet Requirements For National Register Eligibility; Phase II Testing Is Recommended.
- Phase II Archaeological Investigation Has Indicated That Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- Phase II Archaeological Investigation Has Indicated That Site(s) Meet Requirements For National Register Eligibility; Formal Report Is Pending And A Determination of Eligibility Is Recommended.

Comments: See Continuation Section.

Archaeological Contractor Information:

**Archaeological Contractor:** Public Service Archaeology & Architecture Program

**Address/Phone:** Department of Anthropology (217) 333-1636  
1707 South Orchard Street  
University of Illinois at Urbana-Champaign  
Urbana, Illinois 61801

**Surveyor(s):** K. McGowan and J. Davis **Survey Date(s):** December 11, 2015

**Report Completed By:** Kevin McGowan **Date:** December 28, 2015

**Submitted By (Signature and Title):** *Kevin McGowan* **Director**

Attachment Check List: (#1 Through #4 Are **MANDATORY**)

- 1) Relevant Portion of USGS 7.5' Topographic Quadrangle Map(s) Showing Project Location And Any Recorded Sites;
- 2) Project Map(s) Depicting Survey Limits And, When Applicable, Approximate Site Limits, And Concentrations of Cultural Materials;
- 3) Site Form(s): One Copy of Each Form;
- 4) All Relevant Project Correspondence;
- 5) Additional Information Sheets As Necessary.

Address Of Owner/Agent/Agency To Whom SHPO Comment Should Be Mailed:

Hey and Associates, Inc.  
26575 West Commerce Drive, Suite 601  
Volo, Illinois 60073

**Contact Person:** Mr. Steven Rauch **Phone Number:** (847) 740-0888

Reviewers Comments:

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11/03/93

## CONTINUATION PAGE

## Comments

The Public Service Archaeology & Architecture Program of the University of Illinois at Urbana-Champaign was contacted by Mr. Steven Rauch of Hey and Associates, Inc. to conduct a Phase I archaeological reconnaissance of a proposed 6.48-hectare (16.0-acre) development to be located in Long Grove, Lake County, Illinois (Figure 1). The objective of the survey was to utilize standard archaeological survey techniques to inventory cultural resources at the proposed project location. Project investigations included standard background research, a field survey, and preparation of this report.

A review of the electronic site files maintained by the Illinois State Museum found that portions of the project area (IHPA Document No. 6607 and 8978) have been previously surveyed (Mehrer 1991; Poulson 1997). The survey by Northern Illinois University in 1991 examined agricultural areas and not areas covered by vegetation, including most of the area for this project (Mehrer 1991). The survey by the Illinois Transportation Archaeological Research Program along Midlothian Road found no resources in the current project area (Poulson 1997). The collective records show no known sites in the project area.

An examination of the historical documents on the Illinois Public Domain Land Tract Sales database indicates that the original land purchases in the project area were by Elisha M. Jones on 17 October 1846 and by Jacob Frame on 31 August 1847 (Illinois State Archives 2015a). The 1840 United States General Land Office survey plat for Section 35 of Township 44 North and Range 10 East indicates that the project area was formerly covered in a mix of timber and prairie without enclosures or improvements (Illinois State Archives 2015b). Historic maps (Figures 2 and 3) and aerial photos (not shown) indicate a structure in the project area by 1939 that was present until at least 1998 (Frost and McLennon 1873; George A. Ogle and Company 1907; H. R. Page 1885; Hale and Truesdell 1861; United States Geological Survey 1923, 1998). The historic records suggest that the project area has been primarily rural land since Euro-American settlement.

Field investigation of the 6.48-hectare (16.0-acre) project area was undertaken on 11 December 2015. The project area is located south Midlothian Road where it intersects Countryside Lake Drive in Long Grove, Illinois. The project is located immediately south of the Midlothian Road right-of-way markers and has an irregular shape extending to Indian Creek. The project is bordered by a vegetated right-of-way for Midlothian Road to the north, by active agricultural fields to the east, by wetlands and Indian Creek to the south, and by wetlands and a pumping station to the west (Figure 4). The project area consists of an area of secondary growth woods that features trees, shrubs, grasses and weeds with roughly 5 percent surface visibility, a fallow agricultural field with roughly 20 percent surface visibility, a field by shrubs and weeds with 5 percent surface visibility, and wetlands with no surface visibility. The project area was examined by a combination of 5-meter interval pedestrian reconnaissance and 15-meter interval screened, shovel tests. An underground sanitary water line was noted along the western edge of the project leading to the pump station. Along this route were a series of soil spoil piles. A number of pedestrian/vehicle trails also crossed the property that featured 25 percent surface visibility. There were no standing structures present within the project limits. One archaeological site was defined in the survey area and is described below.

Site 11L935 is located immediately south of Midlothian Road and 100 meters east of Countryside Lake Drive on an upland north of Indian Creek (Figure 4). The site was defined as extending 110 meters north to south by 65 meters east to west at an elevation of 238 meters above sea level in an area covered primarily by brush, woods, and weeds with 5 percent surface visibility. The site area was examined by a grid of screened shovel tests and by a pedestrian reconnaissance. Soils at this location consist of Beecher silt loam, 2 to 4 percent slopes (National Resources Conservation Services 2015a). Native vegetation for

## CONTINUATION SECTION

## Comments

Beecher series soils is a mixed hardwood forest and prairie with a typical soil profile of 23 centimeters of very dark gray (10YR 3/1) silt loam plow zone over a 10 centimeter thick dark grayish brown (10YR 4/2) silty clay loam BE horizon that overlies a brown (10YR 5/3) silty clay loam 2Bt1 horizon (Natural Resources Conservation Service 2015b). Evidence for three structures were identified with Features 1 and 2 consisting of poured concrete foundations and Feature 3 consisting of a series of poured concrete piers. Within and surrounding the foundations were numerous artifacts including toy guns, piles of metal, glass, bones, and ceramics. Many of the artifacts were located in debris piles on the southern edge of the site suggesting mechanical deposition. The historic period assemblage artifacts are assigned to the Kitchen, Activities and Architecture artifact groups as defined by South (1977). These types of items are commonly associated with residential structures. Based on the U.S. General Land Office survey plat, the site area (Figure 2) was in an area with a mix of timber and prairie without improvements in 1840 (Illinois State Archives 2015b). The original purchase of the Northwest 1/4 of the Southeast 1/4 of Section 35 of Township 44 North, Range 10 East is recorded as occurring on 17 October 1846 to Elisha M. Jones (Illinois State Archives 2015a). Historic maps (Figures 2 and 3) do not depict a structure near this location, but one is shown by aerial photos taken in 1939 and on the United States Geological Survey topographic map (Figure 1) of 1998 (Frost and McLennon 1873; George A. Ogle and Company 1907; H. R. Page 1885; Hale and Truesdell 1861; United States Geological Survey 1923, 1998). Overall, 11L935 is interpreted as an early to late 20<sup>th</sup> century farmstead.

The National Register of Historic Places (NRHP) has four criteria by which historic structures and archaeological sites must be evaluated in order to determine their eligibility for listing therein. Properties may be eligible for the National Register if they: A) are associated with events that have made a significant contribution to the broad pattern of history, B) are associated with the lives of persons significant to our past, C) embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction, and D) have yielded, or are likely to yield, information important in prehistory or history. The 6.48-hectare (16.0-acre) project area has one site and no structures to evaluate against the NRHP criteria.

Site 11L935 is interpreted as the remains from an early to late twentieth century farmstead. The site occurs on a property that was first purchased in 1846 by Elisha M. Jones. The site is situated within a timber area that was favored by early pioneers. Historic maps and aerial photos do not indicate a residential structure near this location until 1939. Based on the materials located at the site and historic maps, the occupation would appear to be twentieth century. The site is recommended as *Not Eligible* for listing on the NRHP based on the recent site occupation and a lack of distinctive characteristics.

The Public Service Archaeology & Architecture Program conducted a Phase I archaeological reconnaissance of a 6.48-hectare (16.0-acre) development in Long Grove, Illinois. The project area featured secondary growth woods, fallow fields, and wetlands and was examined by a screened shovel tests and pedestrian reconnaissance survey. This investigation documented an early to late twentieth century farmstead within the northeastern project limits. This site is recommended as *Not Eligible* for listing on the NRHP based on the recent origin of the historic occupation. Based on a recommended finding of *No Historic Properties*, the project area is recommended for cultural resource clearance.

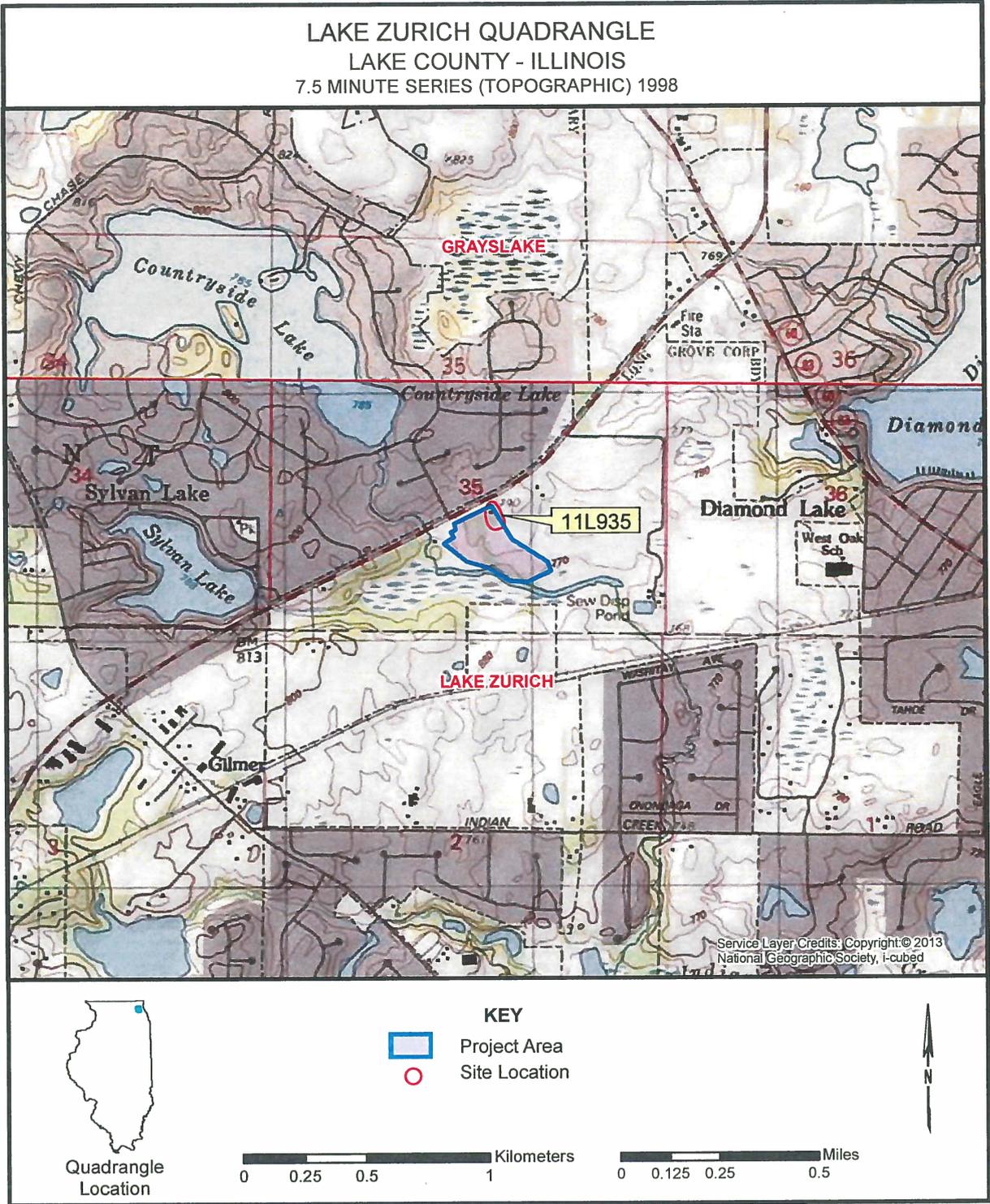


Figure 1. Location of project area.

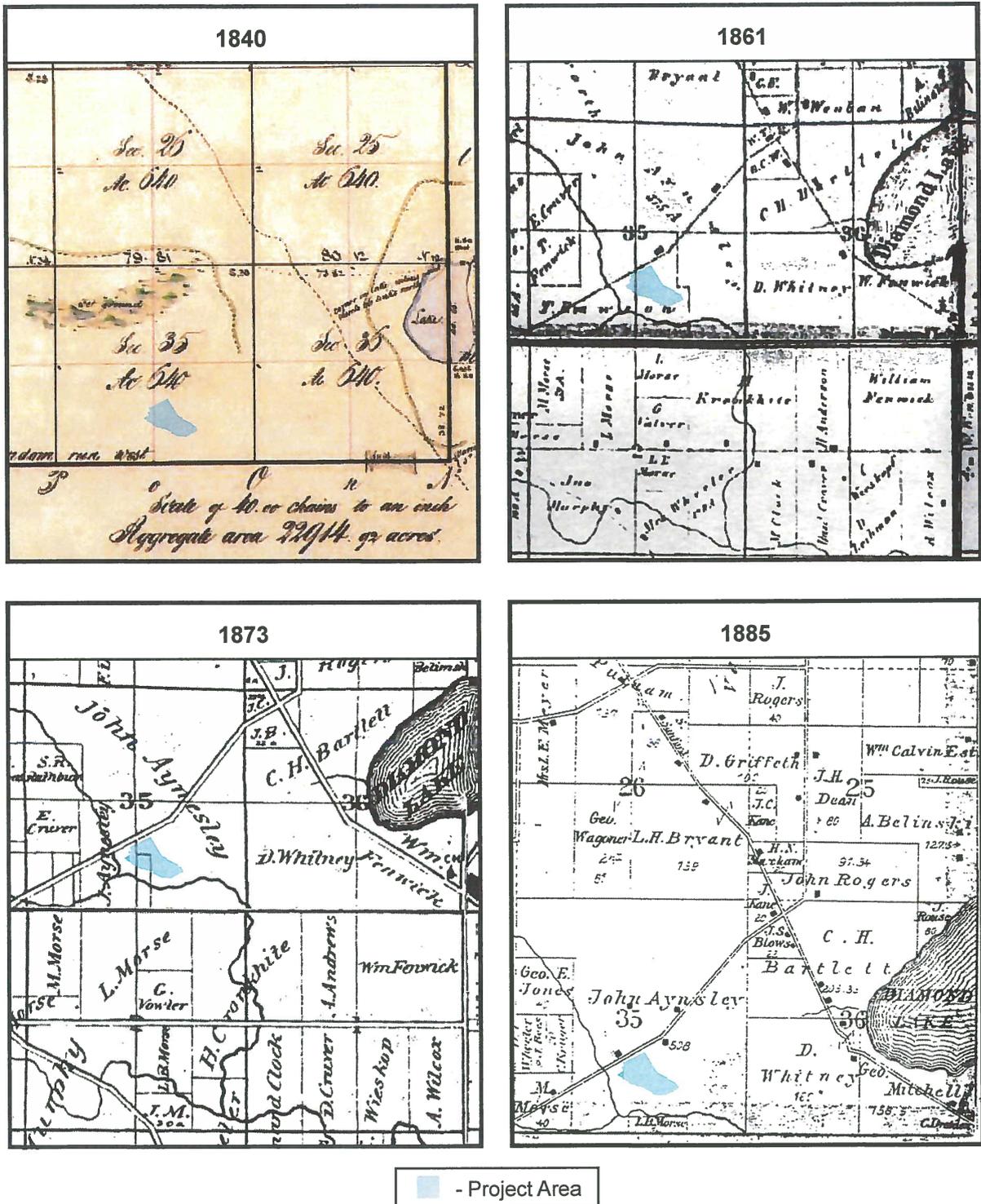


Figure 2. Portions of the 1840 United States General Land Office survey plat, 1861, 1873 and 1885 maps of Lake County, Illinois.

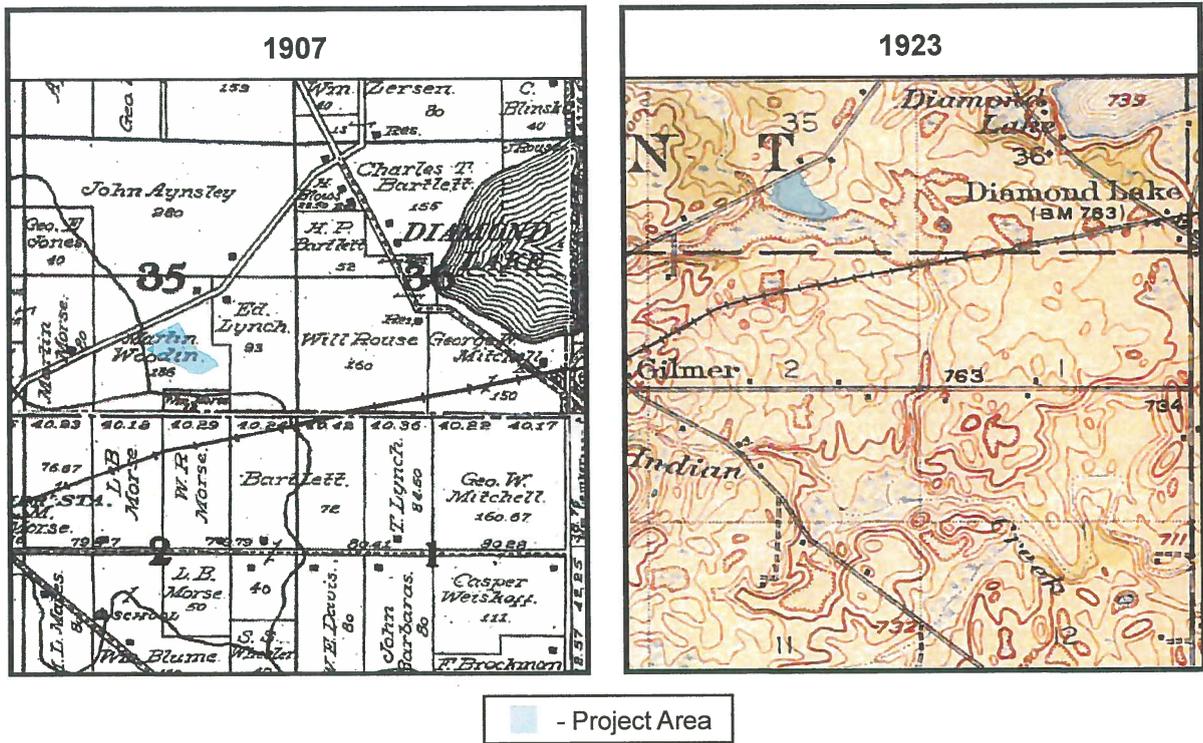


Figure 3. Portions of the 1907 map of Lake County, Illinois, and the 1923 Barrington 15' quadrangle.

Image Obtained from ESRI World Imagery - December 2015  
Lake County - Illinois

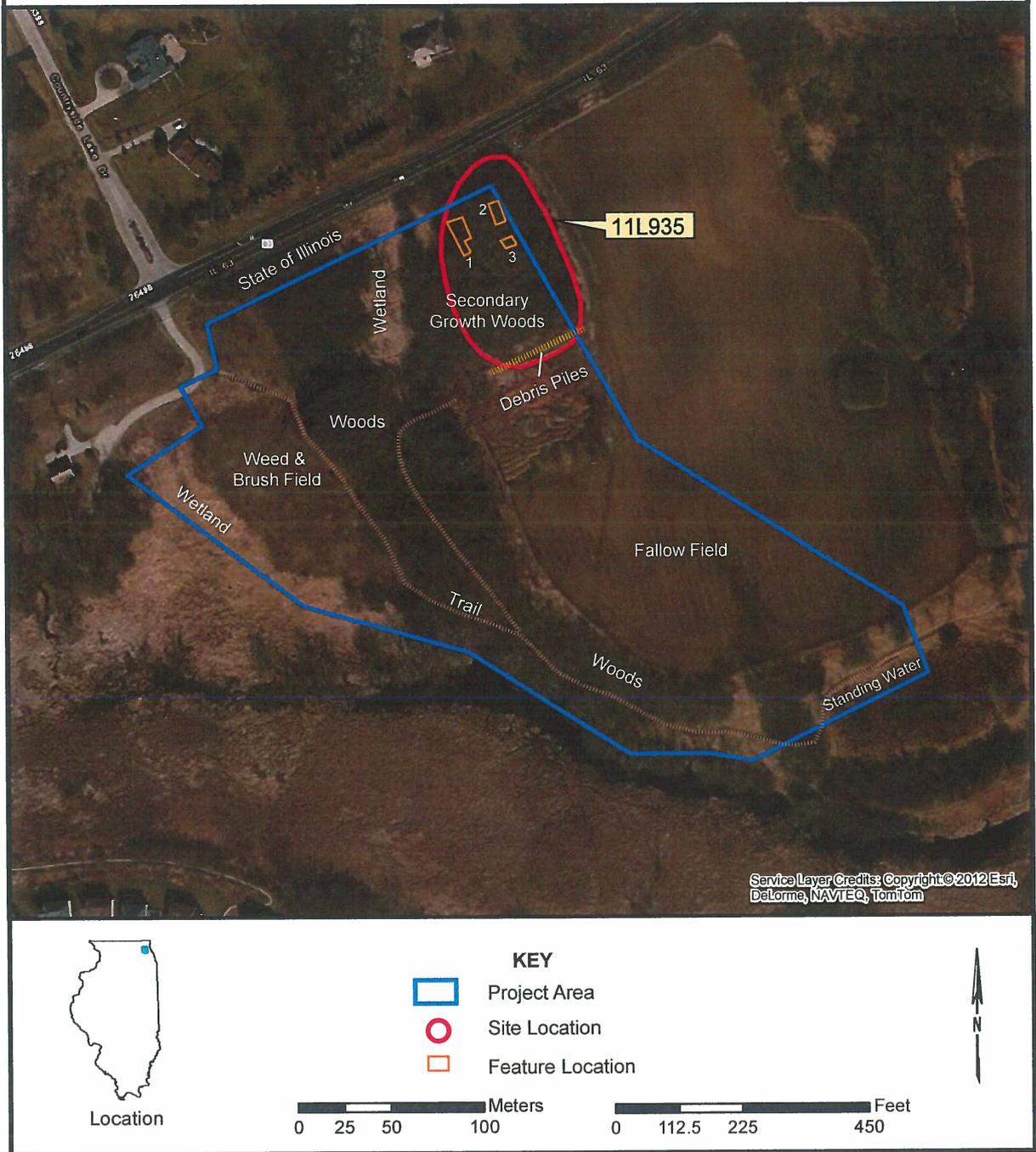


Figure 4. Aerial photo and sketch map of project area.

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**ILLINOIS ARCHAEOLOGICAL SITE RECORDING FORM**

# ILLINOIS ARCHAEOLOGICAL SITE RECORDING FORM

County: Lake  
Field Number: 15-120: AOS 100  
Quadrangle (7.5'): Lake Zurich

Site Name:

Revisit: N  
State Site No.: 935  
Date Recorded: 2015.12.23

## LEGAL DESCRIPTION (to quarter quarter quarter section)

Align: SE 1/4s: SWNWSE  
Align: 1/4s:  
Align: 1/4s:  
Align: 1/4s:

Section: 35 Township: 44 N Range: 10 E  
Section: 0 Township: 0 Range: 0  
Section: 0 Township: 0 Range: 0  
Section: 0 Township: 0 Range: 0

UTM Coordinates (by ISM): UTM Zone 16 UTM East: 414857 UTM North: 4677287  
Ownership: Private

## ENVIRONMENT

Topography: Other Upland Elevation: 238  
Nearest Water Supply: Indian Creek Drainage: Des Plaines  
Soil Association: Morley-Blount-Beecher  
Description: Site is located on a flat glacially formed upland immediately south of Midlothian Road and 100 meters east of Countryside Lake Drive. The site extends 110 meters north to south by 65 meters east to west.

## SURVEY

Project Name: 15-120 Site Area (square meters): 6161  
Ground Cover (List up to 3): Forest Brush Visibility: 5  
Survey Methods (List up to 2): Pedestrian Shovel Test Standing Structures: N  
Site Type (List up to 2): Habitation Commercial

## SITE CONDITION

Extent of Damage: Moderate  
Main Cause of Damage: Development

## MATERIAL OBSERVED

Number of Prehistoric Artifacts (count or estimate): 0 Number of Historic Artifacts (count or estimate): 10  
Prehistoric Diagnostic Artifacts: N Historic Diagnostic Artifacts: N  
Prehistoric Surface Features: N Historic Surface Features: Y  
Description: Site has evidence for three structures, two with concrete foundations and one set on concrete piers. Structures surrounded by debris including metal, glass, bone, and ceramics.

## TEMPORAL AFFILIATION (check all that apply)

Prehist Unknown:	Late Archaic	Mississippian	Colonial (1673-1780)
Paleoindian	Woodland	Upper Mississippian	Pioneer (1781-1840)
Archaic	Early Woodland	Protohistoric	Frontier (1841-1870)
Early Archaic	Middle Woodland	Historic Native American	Early Industrial (1871-1900)
Middle Archaic:	Late Woodland	Historic (generic)	Urban Industrial (1901-1945) Y
			Post-War (1946-present) Y

Description: Structures are noted in this location in 1939 air photos and on a 1998 U.S. Geological Survey map.

Surveyor: K. McGowan Institution: PSA Survey Date: 12.11.2015 Curation Facility: NA  
Site Report by: K. McGowan Institution: PSA Report Date: 12.23.2015  
IHPA Log No.: IHPA 1st Sur Doc No.:  
Compliance Status: NRHP Listing: N

Image Obtained from ESRI World Imagery - December 2015  
Lake County - Illinois



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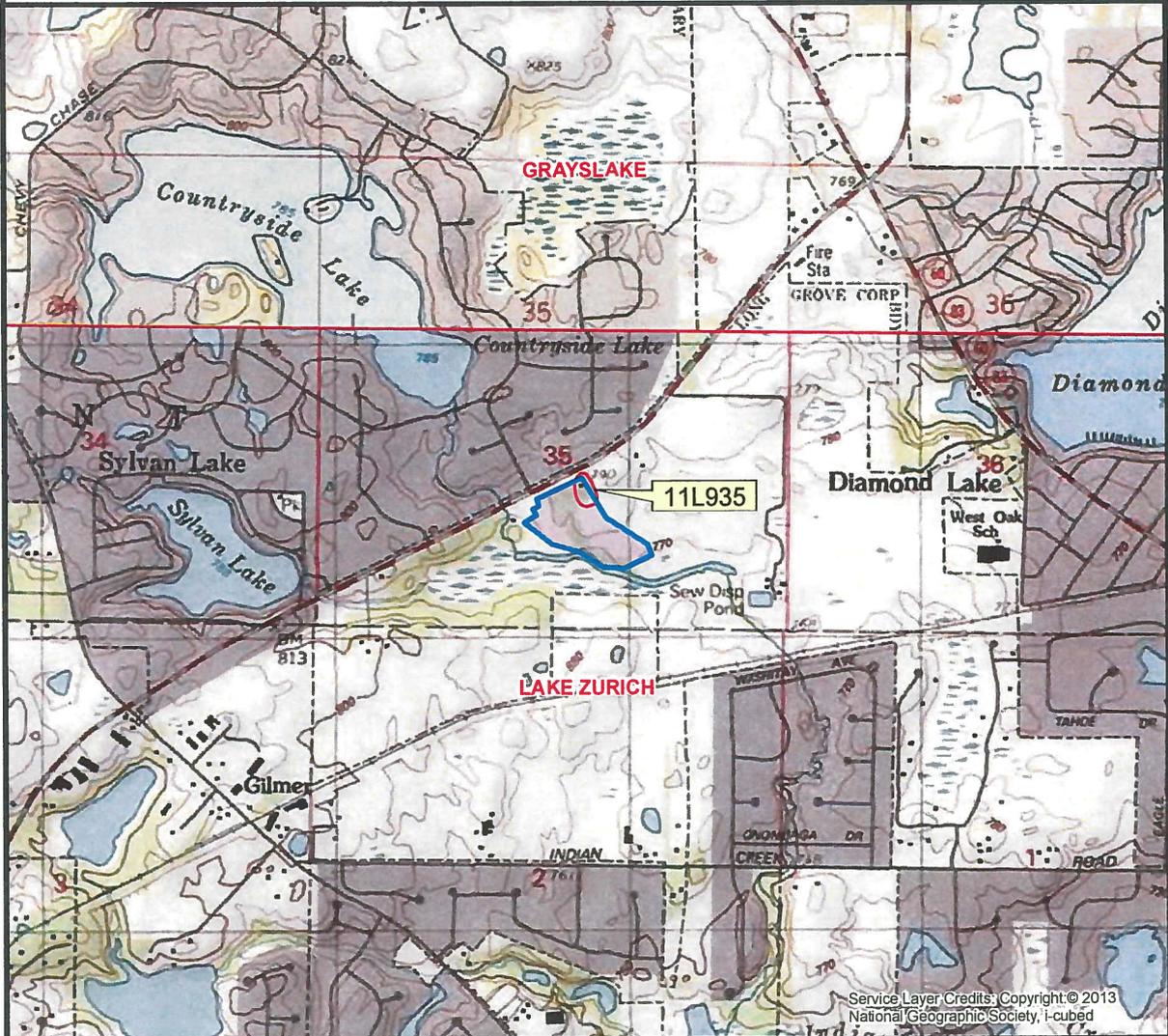
Location

KEY

-  Project Area
-  Site Location
-  Feature Location



LAKE ZURICH QUADRANGLE  
 LAKE COUNTY - ILLINOIS  
 7.5 MINUTE SERIES (TOPOGRAPHIC) 1998



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- KEY**
- Project Area
  - Site Location



McHenry-Lake County Soil and Water Conservation District Report

**McHENRY-LAKE COUNTY  
SOIL & WATER  
CONSERVATION DISTRICT**



1648 S. Eastwood Dr. Woodstock, Illinois 60098 (815) 338-0444 ext. 3 [www.mchenryswcd.org](http://www.mchenryswcd.org)

January 21, 2016

Kelly Burdick  
Hey and Associates, Inc.  
26575 West Commerce Dr., Ste. 601  
Volo, IL 60073

Re: Parcel # 10-35-400-012  
Common Location: undefined  
NRI# L16-003-3996  
Zoning Change: R-2 PUD, Special Use (not defined in application)

Dear Ms. Burdick:

The McHenry-Lake County Soil and Water Conservation District has carefully reviewed your application for Natural Resource Information Report on the Eric Steinbach, Addison Real Estate property as applied for in Report #16-003-3996. The SWCD finds that impact to natural resources from the proposed use is minimal for the purposes of the NRI report. A full Natural Resource Information Report will not be necessary. A preliminary plat was not provided with the application, therefore we have these general natural resource cautions about the parcel:

- 1) The Lake County Wetland Inventory Map (attached) identifies two wetland complexes within the parcel. The wetland delineation report prepared by Hey and Associates, Inc., dated August 31, 2015 identifies these two complexes as wetlands albeit smaller in size than the inventory. It is SWCD policy to oppose development within these aquatic resources. We recommend avoidance and appropriate buffers.
- 2) The site contains hydric soils 232A, 1103A, and 1330A (see attached hydric soils map). The majority of these soils fall within areas inventoried by Hey and Associates, Inc. as wetlands, although the north wetland (Wetland 1 – delineated within Hey and Associates, Inc.'s Report) does not show up as hydric soils on the USDA Soil Survey. Because survey maps many times are unable to capture all variances in soil types, we recommended an intensive soil survey be conducted to ensure all soil limitations within the site are known. Building within hydric soils can cause flooding and structural problems for future owners and users of the property.
- 3) The US Flood of Record Map and the FEMA Floodplain Map (attached) identifies flooding within the southwestern portion of the parcel. The District does not recommend filling and/or excavating within a floodplain as it creates a potential flooding hazard to the development itself as well as the surrounding areas. The effect of the development upon the floodplain must be considered thoroughly and disturbance of this resource should be kept to a minimum. The location of Regulatory Floodplain and Floodway, and the Base Flood Elevation (BFE) should be determined and delineated as required by the Watershed Development Ordinance by the Lake County Stormwater Management Commission.

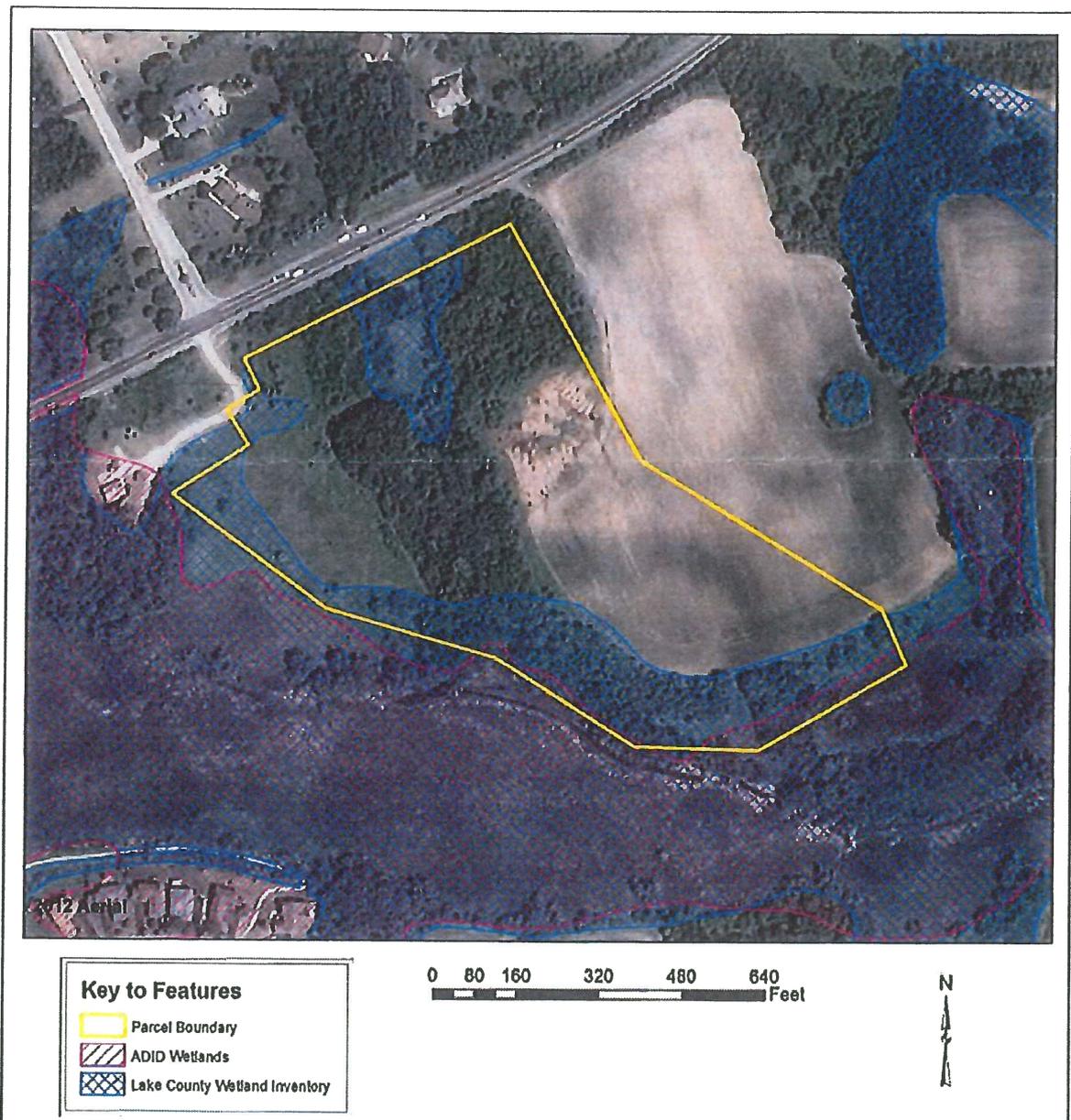
*Resources for the Future*

This letter fulfills your requirement to notify the SWCD of land use changes as per the Illinois Compiled State Statutes, Chapter 70, Par. 405/1 et seq. Illinois Revised Statutes, Ch. 5, Par 106 et seq. Consultation in this matter is considered by the District to be terminated. The District does reserve the right to re-open consultation should new information be brought to our attention. If you have any questions concerning this letter, feel free to call our office.

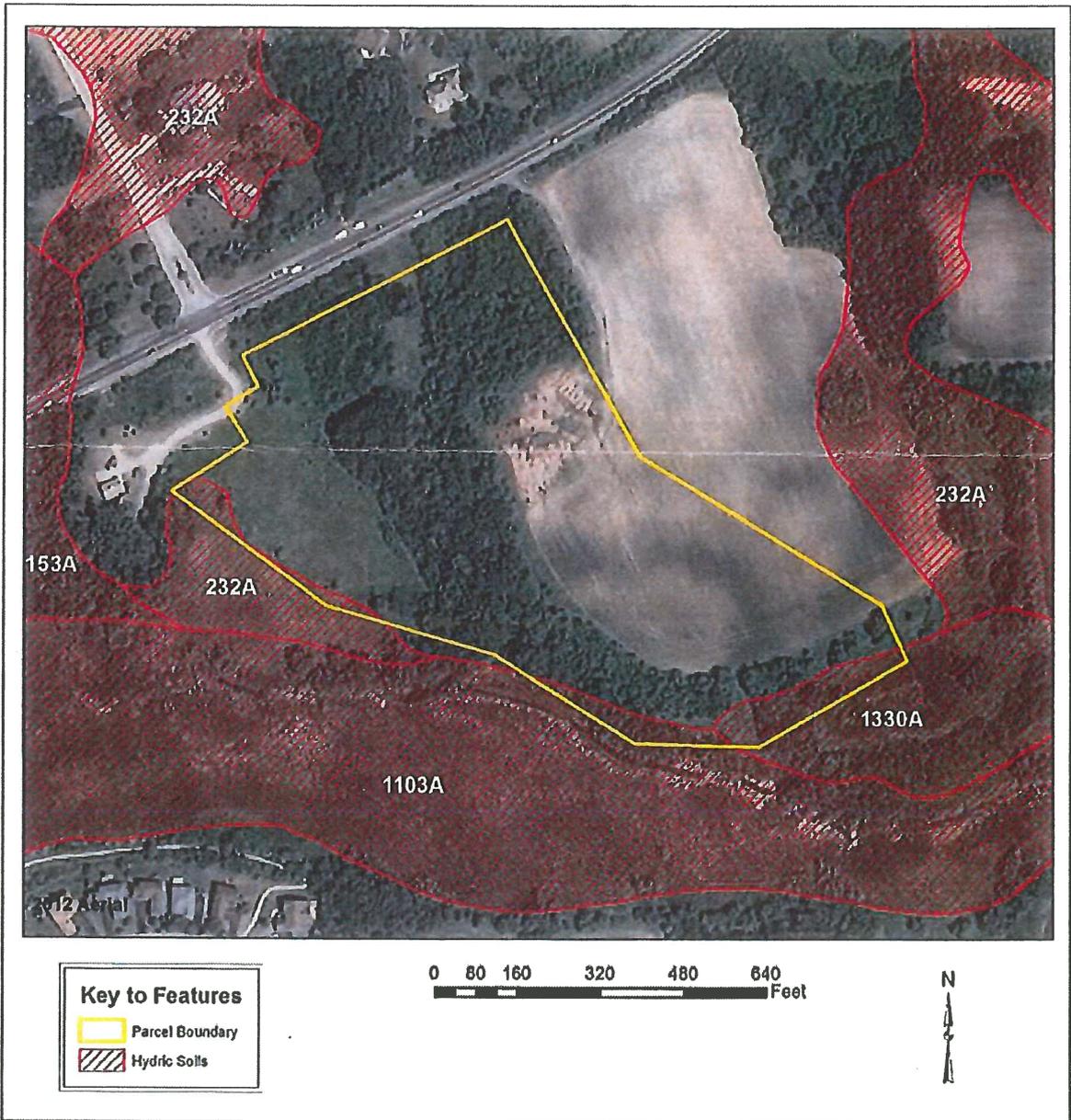
Sincerely,

A handwritten signature in black ink, appearing to read "Spring M. Duffey". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

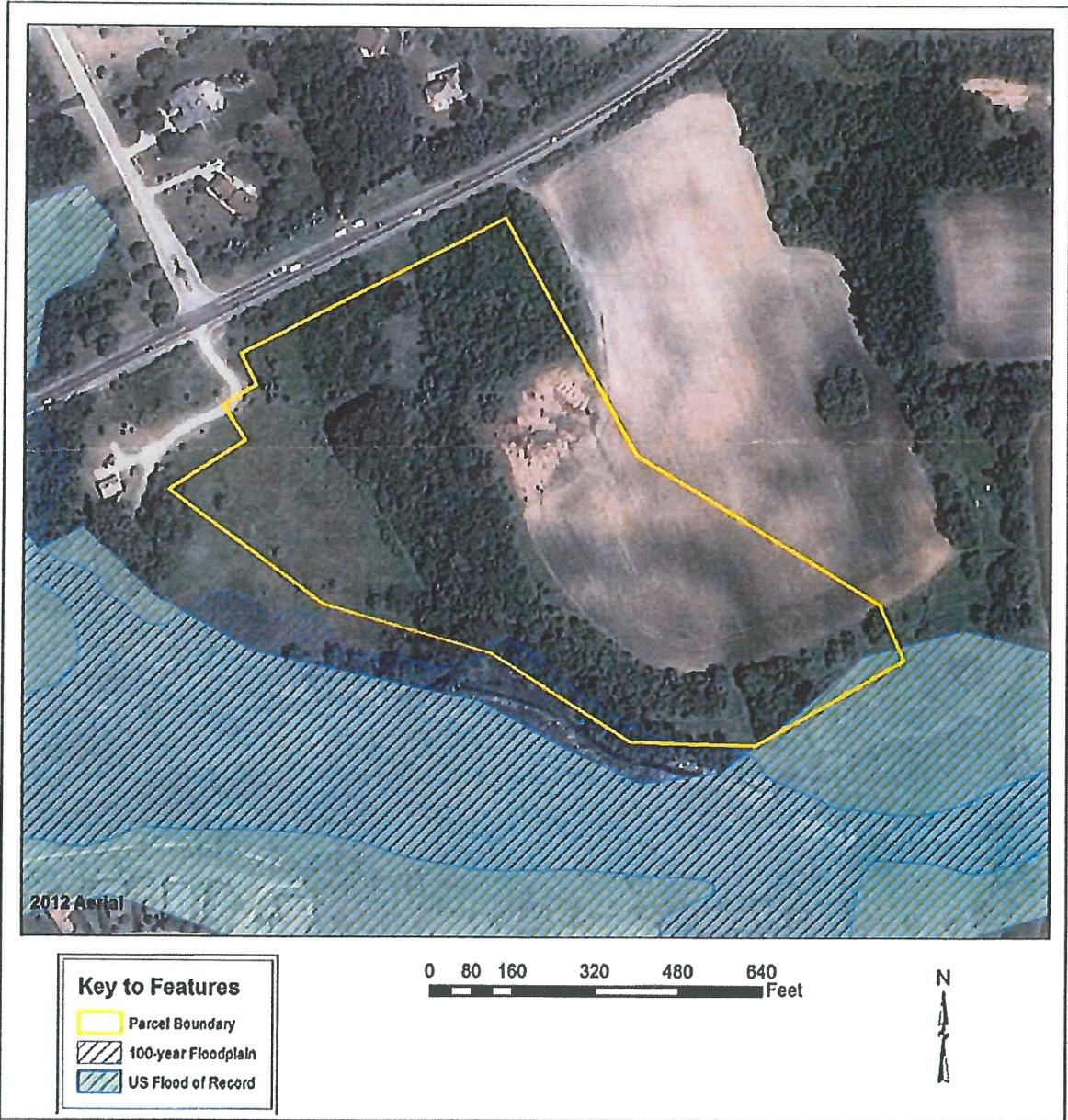
Spring M. Duffey  
Resource Analyst



*Resources for the Future*



*Resources for the Future*



*Resources for the Future*