



Bollinger Environmental, Inc.
4901 Forest Avenue, Suite C
Downers Grove, Illinois 60515
630-968-1960

**WETLAND/WATERS OF THE U.S. ASSESSMENT REPORT
WOODRIDGE PARK SITE
WOODRIDGE, DUPAGE COUNTY, ILLINOIS**

Prepared for

DLZ
80 McDonald Ave., Unit D
Joliet, Illinois 60431

Prepared by

Bollinger Environmental, Inc.
4901 Forest Ave., Suite C
Downers Grove, Illinois 60515

Bollinger Environmental Project No. 185-001-18

Revised July 2018
Revised June 2018
April 2018



Bollinger Environmental, Inc.
4901 Forest Avenue, Suite C
Downers Grove, Illinois 60515
630-968-1960

Revised July 10, 2018
Revised June 30, 2018
April 12, 2018

Email

Mr. Jamison Cullen
DLZ
80 McDonald Ave., Unit D
Joliet, Illinois 60431

Subject: Wetland/Waters of the U.S. Assessment of Woodridge Park Site
Woodridge, DuPage County, Illinois
(Bollinger Environmental Project No. 185-001-18)

Dear Mr. Cullen:

On April 3 and 4, 2018, Bollinger Environmental, Inc. (BEI) completed a wetland / “Waters of the U.S. (WOUS)” assessment of the Woodridge Park Site in Woodridge, DuPage County, Illinois. Three (3) wetlands were identified and staked with pin flags and ribbon, see Appendix A, Aerial Photograph Exhibits. Pin flags for each area were numbered as follows: Wetland 1 (1 to 411), Wetland 2 (412 to 441), and Wetland 3 (442 to 476). Please note, that an upland island was staked within the southeastern section of Wetland 1. Flags were labelled “UPL Island” and numbered 1 through 6. On June 25, 2018 Jedd Anderson (CBBEL) the Woodridge Wetland Representative confirmed wetland boundaries.

DuPage County Regulations

The site is located within the Village of Woodridge (Village) which is a “complete waiver” community; therefore, the project will be reviewed by the Village for permitting within special management areas (e.g., wetlands/waters, wetland buffers, riparian buffers). The Village will review all applications for development under its jurisdiction according to the provisions of the DuPage County Countywide Stormwater and Floodplain Ordinance (Ordinance). The Ordinance classifies all waters such as lakes, rivers, streams (including intermittent streams), mudflats, wetlands, sloughs, wet meadows and natural ponds as Waters of DuPage and requires mitigation be created for all wetland disturbances, regardless of total area impacted. For those wetlands classified as “regulatory”, a 1.5:1 mitigation ratio is required, and credit may be given for enhancement. If a wetland is designated as “critical” and the disturbance is permitted, a mitigation ratio of 3:1 is required. A 1:1 ratio is required for Natural Area Restoration Projects. Indirect impacts to wetlands are also considered and may require mitigation.

The Ordinance requires a 50-foot buffer around all Regulatory Wetlands and 100-foot buffer around critical wetlands. Development within this buffer shall not without mitigation:

- a) Adversely change the quantity, quality, or temporal and aerial distribution of flows entering or adjacent wetlands or waters; nor
- b) Destroy or damage vegetation that stabilizes fringe areas or provides overland flow filtration to wetlands; nor
- c) Adversely affect any ground water infiltration functions.

The Ordinance also requires replacement of function for impacted riparian buffers. Riparian buffers apply to areas around Waters of DuPage extending from the Ordinary High-Water Mark (OHWM). Buffer width equals the limits of the floodplain or 15 feet, whichever is greater. If there is no regulatory floodplain study, the buffer width is based on drainage area. Project site's possessing riparian buffer shall include required provisions for long-term maintenance.

U.S. Army Corps of Engineers Regulations

The U.S. Army Corps of Engineers (USACE) regulates the discharge of dredged or fill material into jurisdictional wetlands and "waters of the U.S." under Section 404 of the Clean Water Act (Act). Jurisdictional areas covered by the Act are navigable waterways, tributaries to navigable waterways, and wetlands adjacent thereto. Isolated wetlands are exempt from federal regulations following the January 2001 Supreme Court decision (*SWANCC v. USACE*).

Under current USACE regulations (USACE 2017), to prevent a net loss of wetland, any disturbance of wetlands/waters of the U.S. area requires a permit application. Filling 0.10 acre or more of jurisdictional wetland/waters of the U.S. requires a permit with mitigation at a 1.5:1 replacement ratio. The mitigation ratio increases if an area is considered a High Quality Aquatic Resource (HQAR). Areas of wetland/waters of the U.S. fill less than 0.10 acre also require a permit; however, mitigation may or may not be required depending on USACE discretion. This discretionary judgment is determined by the overall quality of the wetland and what impact the loss of wetland would have on the surrounding area.

USACE regulations require an upland buffer of native plants adjacent to all created, restored, enhanced and preserved wetlands 0.10 acre or larger. Buffer width requirements are as follows:

- For a linear body of water (e.g., river, stream, creek, etc.), the buffer shall be a minimum of 50 feet from the Ordinary High-Water Mark (OHWM) on both sides of the linear water body.
- For any other "waters of the U.S.", including wetlands from 0.25 acres up to 0.50 acres, the buffer shall be a minimum of 30 feet.
- For any "waters of the U.S.", including wetland over 0.50 acres, the buffer shall be minimum of 50 feet.

- For any area determined to be a HQAR, the buffer shall be 100 feet wide (80-foot minimum).

Generally, the following three steps must be attempted before authorization is issued:

- (1) Avoid wetland and “waters of the U.S.”;
- (2) Minimize wetland and “waters of the U.S.” fill; and
- (3) Provide compensatory mitigation.

The attached report describes the identified wetlands and provides the methodology and reference material used to assist in the wetland assessment. This assessment is based on field conditions at the time of the BEI site visit and our understanding of current federal, state and local regulations. An evaluation of historic site conditions was not performed.

Please contact our office should you have any additional questions or if we can be of further assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul Bollinger". The signature is stylized and cursive.

Paul Bollinger, PWS
President/Ecologist
BOLLINGER ENVIRONMENTAL, INC.



**WETLAND/WATERS OF THE U.S. ASSESSMENT REPORT
WOODRIDGE PARK SITE
WOODRIDGE, DUPAGE COUNTY, ILLINOIS**

INTRODUCTION

On April 3 and 4, 2018, Bollinger Environmental, Inc. (BEI) completed a wetland / “Waters of the U.S. (WOUS)” assessment of the Woodridge Park Site in Woodridge, DuPage County, Illinois. At the time of our field investigation, three (3) wetlands were identified and staked with pin flags and ribbon, see Appendix A, Aerial Photograph Exhibits. Pin flags for each area were numbered as follows: Wetland 1 (1 to 411), Wetland 2 (412 to 441), and Wetland 3 (442 to 476). Please note, that an upland island was staked within the southeastern section of Wetland 1. Flags were labelled “UPL Island” and numbered 1 through 6. On June 25, 2018 Jedd Anderson (CBBEL) the Woodridge Wetland Representative confirmed wetland boundaries.

This report was prepared to document our findings and to determine if the on-site wetland/waters areas are jurisdictional under Section 404 of the Clean Water Act. Boundaries were delineated in accordance with methodology established by the U.S. Army Corps of Engineers (USACE). The approximate wetland boundaries are shown in Appendix A. Appendices illustrate the following:

- A) Exhibits
 - 1) Location Map
 - 2) USFWS National Wetland Inventory (NWI) Map
 - 3) DuPage County Wetland Map
 - 4) USDA Soils Survey Map
 - 5) FEMA Flood Insurance Rate Map (FIRM)
 - 6) Topographic Map
 - 7) Aerial Photographs -Wetland Boundaries and Data Point Locations
- B) Site Photographs
- C) U.S. Army Corps Forms & Floristic Quality Assessments
- D) Mean Rated Wildlife Quality
- E) Surveyed Wetland Boundaries
- F) Stormwater Detention Basin Plans

The subject site is located south of the intersection of Center Drive and Woodridge Drive and is bounded by Woodridge Drive to the west, Janes Avenue to the east, and residential development to the south in Woodridge, DuPage County, Illinois, see Appendix A, Exhibit 1 for locations. Geographically, the study area is found in the northwestern quarter of Section 25 and the northeastern quarter of Section 26, Township 38 North, Range 10 East, and East of the Third Principle Meridian. Wetland 1 appears to be a headwaters tributary of the East Branch DuPage River located west of the subject site. The East Branch DuPage River is part of the greater Des Plaines River Watershed (HUC Code 07120004). The central portion of

the site is located at approximately 41754606° North Latitude and -88.046723° West Longitude.

The site consists of a park district property consisting of forested and scrub/shrub habitat, open grassy fields, and recreational open space. The three (3) wetland areas identified during this investigation are summarized below:

Area	Possible Jurisdictional Status*	Native FQAI	Native Mean C	Dominant Vegetation	Type
Wetland 1	USACE Jurisdictional (East Branch DuPage River Tributary)	12.37	2.19	silver maple (<i>Acer saccharinum</i>), European buckthorn (<i>Rhamnus cathartica</i>), Devil's-Pitchfork (<i>Bidens frondosa</i>), riverbank grape (<i>Vitis riparia</i>), black bent (<i>Agrostis gigantea</i>), and Eastern woodland sedge (<i>Carex blanda</i>)	Emergent & Scrub/shrub
Wetland 2	Isolated County Jurisdictional	6.31	1.53	American elm (<i>Ulmus americana</i>), silver maple, European buckthorn, and Eastern woodland sedge	Forested & Scrub/shrub
Wetland 3	USACE Jurisdictional (tributary channel)	4.74	1.50	Green ash (<i>Fraxinus pennsylvanica</i>), European buckthorn, and Tartarian honeysuckle (<i>Lonicera tatarica</i>)	Emergent, Scrub/shrub, w/ defined channel

*- Jurisdictional Status should be confirmed with DuPage County and the USACE.

METHODOLOGY

Our methodology followed *The Corps of Engineers Wetland Delineation Manual*, dated January 1987 as well as the *Regional supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region*, dated August 2010. Both identify the mandatory technical criteria for wetland identification. The three essential characteristics of a jurisdictional wetland are hydrophytic vegetation, hydric soils and wetland hydrology as described below:

D) Hydrophytic Vegetation: Hydrophytic vegetation is defined as the community of macrophytes that occurs in areas where inundation or soil saturation is either permanent or of sufficient frequency and duration to exert a controlling influence on the plant species present. Hydrophytic vegetation is present when the plant community is dominated by species that can tolerate prolonged inundation or soil saturation during the growing season. Wetland indicator status is the estimated probability a plant species occurs in a wetland area. Lichvar (2016) designated indicator statuses for the U.S. Fish and Wildlife Service, Region 3, which are based on separating plants into five basic groups:

- (1) OBL (Obligate Wetland) almost always occur (estimated probability >99%) in wetlands under natural conditions;
- (2) FACW (Facultative Wetland) usually occur in wetlands (estimated probability 67-99%), but occasionally are found in nonwetlands;

- (3) FAC (Facultative) are equally likely to occur in wetlands or nonwetlands (estimated probability 34-66%);
- (4) FACU (Facultative Upland) usually occur in nonwetlands (estimated probability 67-99%), but occasionally are found in wetlands (estimated probability 1-33%); and
- (5) UPL (Upland) almost always occur (estimated probability >99%) in nonwetlands under natural conditions.

If greater than 50% of the plants present are FAC, FACW, or OBL the subject area is considered jurisdictional in terms of vegetation.

Indicator statuses were assigned to plants based on observations on their behavior throughout the region. However, some have been modified to best describe the plants in the Chicago region.

Vegetation was sampled within plots to quantitatively characterize wetland and/or upland plant communities within a given area. Within each plot visual estimates of percent cover of each plant species was made for each stratum (trees, saplings and shrubs, herbaceous plants and woody vines). The Dominance Test is then calculated by applying the 50/20 rule. If a plant community passes the Dominance Test, then the vegetation is hydrophytic and no further vegetative analysis is required. However, if the plant community fails the dominance test, and indicators of hydric soil and/or wetland hydrology are present then the Prevalence Index is applied. The Prevalence Index is a weighted-average of wetland indicator status of all plant species within a sample plot. If the plant community satisfies the Prevalence Index, then the vegetation is hydrophytic. If the plant community fails Prevalence Index then it must meet the test Morphological Adaptations to be considered hydrophytic. If this last test fails then the vegetation is considered non-hydrophytic. Results of vegetative sampling are illustrated on the attached Routine U.S. Army Corps of Engineers Data Forms.

A vegetative inventory was compiled for the wetland community. The inventory was then inputted into the *Chicago Region FQA (Floristic Quality Assessment) Calculator (Herman et. al., 2017)*. Each native plant species has been given a coefficient of Conservatism value (C-value), ranging from 0-10. Conservatism meaning plants displaying varying degrees of tolerance to disturbance, as well as varying degrees of fidelity to specific habitat integrity. A rating of 0 represents common species or species not likely to be found only in natural areas and a rating of 10 represents rare species or species most likely to be found only in natural areas. The Floristic Quality Index (FQI) was developed in an attempt to evaluate the level of intrinsic biodiversity from areas with similar C-values, but otherwise differ significantly. This is accomplished by the following equation:

$$FQI = \text{mean } C\text{-value } \sqrt{N}$$

According to Swink and Wilhelm (1994), and Wilhelm and Rericha (2017), if an area has an average C-value of 3.5 or higher or a FQI of 35 or more, one can be fairly confident that the site has sufficient floristic quality to be at least of marginal natural area quality. If the average C-value is 4.5 or higher or has a FQI of 45 or more, then it is almost certain that the remnant has natural area potential. According the USACE, Chicago District, Regional Permit Program (2017), one of the ways a wetland can be considered a “high quality aquatic resource” if the average C-value is 3.5 or greater or if the areas has a FQI is 20 or greater.

II) Hydric Soils: According to the National Technical Committee for Hydric Soils a hydric soil is a soil that formed under conditions of saturation, flooding or ponding long enough during the growing season to develop anaerobic conditions in the upper part (USDA Soil Conservation Service 1994). Repeated periods of saturation or inundation combined with microbial activity causes morphological changes within the soil. This promotes biogeochemical processes, such as the accumulation of organic matter and the reduction, translocation, or accumulation of iron and other reducible elements. The result of these processes is useful in identifying hydric soils during both wet and dry periods (USDA Natural Resources Conservation Service 2017). There are 20 hydric soil indicators in the Land Resource Region (LRR) M per the *Field Indicators of Hydric Soils in the United States* (Ver. 8.1, 2017) and if one is present it is considered a hydric soil. The hydric soil indicators include:

- A1. Histisol
- A2. Histic Epipedon
- A3. Black Histic
- A4. Hydrogen Sulfide
- A5. Stratified Layers
- A10. 2 cm Muck
- A11. Depleted Below A Dark Surface
- A12. Thick Dark Surface
- S1. Sandy Mucky Mineral
- S2. 5 cm Mucky Peat or Peat
- S4. Sandy Gleyed Matrix
- S5. Sandy Redox
- S6. Stripped Matrix
- S7. Dark Surface
- F1. Loamy Mucky Mineral
- F2. Loamy Gleyed Matrix
- F3. Depleted Matrix
- F6. Redox Dark Surface
- F7. Depleted Dark Surface
- F8. Redox Depressions

A soil pit is dug to the appropriate depth to describe the soils profile. Color of the soil matrix and redox, mottling, and gleying within the profile are described using the Munsell Soil Color Charts (Gretagmacbeth 2009). Generally, a hydric soil is present when there is an organic soil, histic epipedon, sulfidic material, aquic or paraquic moisture regime, reducing soils conditions, soil colors gleyed, bright mottles and/or low matrix chroma, soil listed on the hydric soil list, and iron and manganese. Results of soil sampling and if they meet one of the indicators are illustrated on the attached Routine U.S. Army Corps of Engineers Data Forms.

III) Wetland Hydrology: Wetland hydrology indicators are used in combination with indicators of hydric soil and hydrophytic vegetation. These other indicators reflect a sites history of past episodes of inundation or soil saturation and if it was repeated over a period of time. Areas that have hydrophytic vegetation and hydric soils generally have wetland hydrology (National Research Council 1995). Hydrologic indicators are the most brief of all wetland indicators as occur from recent or long-term meteorological conditions.

Typically, the presence of water for a week or more during the growing season creates anaerobic conditions. Anaerobic conditions lead to the prevalence of wetland plants.

An area needs to meet one or more of the primary wetland hydrology indicators, which include: surface water, high water table, saturation, water marks, sediment deposits, drift deposits, algal mat or crust, iron deposits, inundation visible on aerial imagery, sparsely vegetated concave surface, water-stained leaves, aquatic fauna, true aquatic plants, hydrogen sulfide odor, oxidized rhizopheres on living roots, presence of reduced iron, recent iron reduction in tilled soils, thin muck surface, and gauge or well data. Or an area needs to meet two or more of the secondary indicators, which include: surface soil cracks, dry-season water table, crayfish burrows, saturation visible on aerial imagery, stunted or stressed plants, geomorphic position and the FAC-Neutral test. Results of hydrology are illustrated on the attached Routine U.S. Army Corps of Engineers Data Forms.

RESULTS AND DISCUSSION

The following is a brief description of the waters/wetland areas identified on-site with a list of the dominant plant species, positive wetland hydrology, and soils observed. Detailed information regarding the identified wetland and wetland quality can be found on the attached USACE Data Forms and Floristic Quality Assessment (Appendix C).

Wetland 1

Wetland 1 is an emergent and scrub/shrub wetland characterized at Data Points 1A, 2A and 3A in Appendix A, Aerial Photograph Exhibits. Wetland 1 appears to be a headwater tributary area to the East Branch DuPage River located west of the site. The wetland had a Native FQI of 12.37 and a Native Mean C-value of 2.19 (Appendix C) indicative of a wetland plant community of low floristic quality.

At Data Point 1A, the wetland was dominated by silver maple (*Acer saccharinum*), European buckthorn (*Rhamnus cathartica*), Devil's-Pitchfork (*Bidens frondosa*), and riverbank grape (*Vitis riparia*). Positive wetland hydrology was indicated by the presence of a high water table, saturation, and positive FAC-neutral test. Soils were mapped as Ashkum silty clay loam, 0 to 2% slopes (232A). This soil unit series is considered hydric by the National Resource Conservation Service (NRCS). Field sampled soil profiles revealed a low chroma matrix color with redoximorphic features within the soil matrix which is indicative of hydric soils.

At Data Point 2A, the wetland was dominated by black bent (*Agrostis gigantea*). Positive wetland hydrology was indicated by the presence of surface water, saturation, hydrogen sulfide odor, and a positive FAC-neutral test. Soils were mapped as Ashkum silty clay loam, 0 to 2% slopes (232A). This soil unit series is considered hydric by the NRCS. Field sampled soil profiles revealed a low chroma matrix color with redoximorphic features within soil poor linings and a hydrogen sulfide odor which is indicative of hydric soils.

At Data Point 3A, the wetland was dominated by silver maple, European buckthorn, Eastern woodland sedge (*Carex blanda*), Devil's-Pitchfork, and riverbank grape. Positive wetland hydrology was indicated by the presence of a high water table, saturation, drainage patterns, and a positive FAC-neutral test. Soils were mapped as Ozaukee silt loam, 4 to 6% slopes, eroded (530C2). This soil unit series is not considered hydric by the NRCS. However, field sampled soil profiles revealed a low chroma matrix color with redoximorphic features within soil matrix which is indicative of hydric soils.

Wetland 2

Wetland 2 is a forested and scrub/shrub wetland characterized at Data Point 4A in Appendix A, Aerial Photograph Exhibits. The wetland had a Native FQI of 6.31 and a Native Mean C-value of 1.53 (Appendix C) indicative of a wetland plant community of low floristic quality. The wetland was dominated by American elm (*Ulmus americana*), silver maple, European buckthorn, and Eastern woodland at Data Point 4A. Positive wetland hydrology was indicated by the presence of a high water table, saturation, oxidized rhizospheres on living roots, exposed/buttressing tree roots, and a positive FAC-neutral test. Soils were mapped as Ozaukee silt loam, 2 to 4% slopes (530B). This soil unit series is considered hydric by the NRCS. Field sampled soil profiles revealed a low chroma matrix color with redoximorphic features within soil matrix and pore linings which is indicative of hydric soils.

Wetland 3

Wetland 3 is an emergent and scrub/shrub wetland with a defined tributary/creek channel at its center and is characterized at Data Point 5A in Appendix A, Aerial Photograph Exhibits. The channel was approximately 6' wide, 6" deep, and has 12" banks. Flow is from east to west. The wetland had a Native FQI of 4.74 and a Native Mean C-value of 1.50 (Appendix C) indicative of a wetland plant community of low floristic quality. The wetland was dominated by Green ash (*Fraxinus pennsylvanica*), European buckthorn, and Tartarian honeysuckle (*Lonicera tatarica*) at Data Point 5A. Positive wetland hydrology was indicated by the presence of a high water table, saturation, drift deposits, exposed/buttressing roots, and drainage patterns. Soils were mapped as Ashkum silty clay loam, 0 to 2% slopes (232A). This soil unit series is considered hydric by the NRCS. Field sampled soil profiles revealed a low chroma matrix color with redoximorphic features within soil matrix which is indicative of hydric soils.

Detention Basins

A man-made stormwater detention basin was identified within the eastern portion of the site and characterized at Data Point 6A in Appendix A, Aerial Photograph Exhibits. The area was investigated because it appeared to have wetland characteristics. According to the DuPage County Countywide Stormwater and Floodplain Ordinance (2013) "The following are generally not considered to be Waters of DuPage ... Artificial lakes, ponds or wetlands created by excavating and/or diking dry land to collect and retain water and which are used exclusively for such purposes as stormwater storage, stock watering, irrigation, settling basins, or sediment traps." The attached documentation illustrates the area was purposefully

constructed as a stormwater storage area (see appendix F). Our opinion is the on-site stormwater detention facility should be exempt from regulation. Please note, an off-site stormwater management facility was identified to the west of the site and our opinion is should also be exempt from regulation including buffer requirements.

WETLAND CLASSIFICATION

The on-site wetland areas (if any) must be classified as either “regulatory” or “critical”, as required in the DuPage County Countywide Stormwater and Floodplain Ordinance (Ordinance), Section 15-134.3. To make this determination, six criteria, specified by DuPage County are evaluated for each wetland. Critical wetland status is assigned to a wetland that has been determined to satisfy one or more of the following criteria.

1. Is the Mean Rated Wildlife Quality (MRWQ) 5.0 or higher as defined by the Modified Michigan Department of Natural Resources (MDNR) Method?

No. Wetlands had MRWQ values of less than 5.0; which is below the 5.0 threshold. These assessment parameters include utilization by wildlife, interspersions of vegetative cover, and vegetative cover to open water.

Area	MRWQ Value
Wetland 1	3.5
Wetland 2	2.5
Wetland 3	3.5

2. Is the FQI 20 or higher or the native mean C-value greater than or equal to 3.5 as defined by Swink and Wilhelm (1994)?

No. The Swink and Wilhelm Method was applied to the wetlands but the floristic quality values were all below the high-quality threshold.

Area	Native Mean C	Native FQAI
Wetland 1	2.19	12.37
Wetland 2	1.53	6.31
Wetland 3	1.50	4.74

3. Is the wetland known to be inhabited by State listed threatened or endangered species?

Endangered and Threatened Species Consultation with the Illinois Department of Natural Resources (IDNR) has not been initiated at the date of this report.

4. Did an evaluation of the wetland in accordance with current U.S. Fish and Wildlife Service review procedures confirm the presence or use by threatened or endangered species?

A Section 7 Review in accordance with U.S. Fish and Wildlife Service procedures has not been prepared at the date of this report.

5. Was the on-site wetland identified as critical on the County's wetland inventory?

No. The on-site wetlands were not mapped by the county.

REFERENCE MATERIAL

The following reference materials were reviewed and used to assist in the wetland field reconnaissance. Exhibits are included in Appendix A.

LOCATION

The subject site is located south of the intersection of Center Drive and Woodridge Drive and is bounded by Woodridge Drive to the west, Janes Avenue to the east, and residential development to the south in Woodridge, DuPage County, Illinois, see Appendix A, Exhibit 1 for locations. Geographically, the study area is found in the northwestern quarter of Section 25 and the northeastern quarter of Section 26, Township 38 North, Range 10 East, and East of the Third Principle Meridian. Wetland 1 appears to be a headwaters tributary of the East Branch DuPage River located west of the subject site. The East Branch DuPage River is part of the greater Des Plaines River Watershed (HUC Code 07120004). The central portion of the site is located at approximately 41754606° North Latitude and -88.046723° West Longitude.

USFWS NATIONAL WETLAND INVENTORY

The U.S. Fish and Wildlife Service National Wetland Inventory map (NWI) does not indicate wetlands are located the subject property boundaries (Exhibit 2). The NWI serves only as a large-scale guide and actual wetland locations and types often vary from that mapped.

DUPAGE COUNTY WETLAND MAP

The DuPage County Wetland Map (Exhibit 3) was reviewed to determine the presence of wetland/waters and wetland quality on the property. The map does not indicate that wetlands are located within the subject property boundaries. The DuPage County Wetland serves only as a large-scale guide and actual wetland locations and types often vary from that mapped.

USDA SOIL SURVEY

The USDA Web Soil Survey was reviewed to determine the location of hydric soils on site (Exhibit 4). Mapped hydric soils can be indicative of wetland conditions. Six (6) soil series were mapped within the property boundaries and are included below:

<u>Soil Code</u>	<u>Description</u>	
146A	Elliot silt loam, 0 to 2% slopes	[Hydric]
232A	Ashkum silty clay loam, 0 to 2% slopes	[Hydric]
530B	Ozaukee silt loam, 2 to 4% slopes	[Hydric]
530C2	Ozaukee silt loam, 4 to 6% slopes, eroded	
531B	Markham silt loam, 2 to 4% slopes	[Hydric]
805B	Orthents, clayey, undulating	[Hydric]

FEMA FLOOD INSURANCE RATE MAP (FIRM)

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRMs, Exhibit 5) were reviewed to determine the presence of floodplain, which can be indicative of wetland hydrology. The DuPage County DFIRM (Panel#: 17043C0168A; 7/7/2010) does not indicate either regulatory floodway or 100-year floodplain (Zone AE) within the subject property boundaries. Please note that floodplain area is also considered riparian buffer.

TOPOGRAPHIC MAP

The Topographic Map (Exhibit 6) was reviewed to estimate the area topography and general drainage pattern on and off-site. In general, it appears the site drains from the northeast to southwest towards the East Branch DuPage River.

LITERATURE CITED

Calsyn, D. 2001. Soil Survey of DuPage County, Illinois. United States Department of Agriculture – Natural Resources Conservation Service. In cooperation with the DuPage County Board and the Illinois Agricultural Experiment Station.

Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Gretagmacbeth, 2009. Munsell Soil Color Charts. 617 Little Britain Road, New Windsor, NY.

Herman, B., Sliwinski, R. and S. Whitaker. 2017. Chicago Region FQA (Floristic Quality Assessment) Calculator. U.S. Army Corps of Engineers, Chicago, IL.

Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. The National Wetland Plant List: 2016 wetland ratings. *Phytoneuron* 2016-30: 1-17. Published 28 April 2016. ISSN 2153 733X

NRCS. 2017. National Hydric Soils List.

<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/use/hydric/>

National Research Council. 1995. Wetlands: Characteristics and Boundaries. Washington, DC: National Academy Press.

Swink, F. and G. Wilhelm. 1994. Plants of the Chicago Region. 4th ed. Indiana Academy of Science, Indianapolis, IN.

USACE. 2017. Chicago District Regional Permit Program. U.S. Army Corps of Engineers Chicago District.

USACE. 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region. U.S. Army Corps of Engineers Research and Development Center, Vicksburg, MS. Report No. ERDC/EL TR-08-27.

USDA. 2017. Field Indicators of Hydric Soils in the United States: A Guide for Identifying and Delineating Hydric Soils, Version 8.1.

USDA Soil Conservation Service. 1994. Changes in Hydric Soils of the United States. Federal Register 59(133): 35680-35681, July 13, 1994.

USFWS. 2018. National Wetlands Inventory Ver. 2.0

<http://www.fws.gov/wetlands/data/mapper.html>

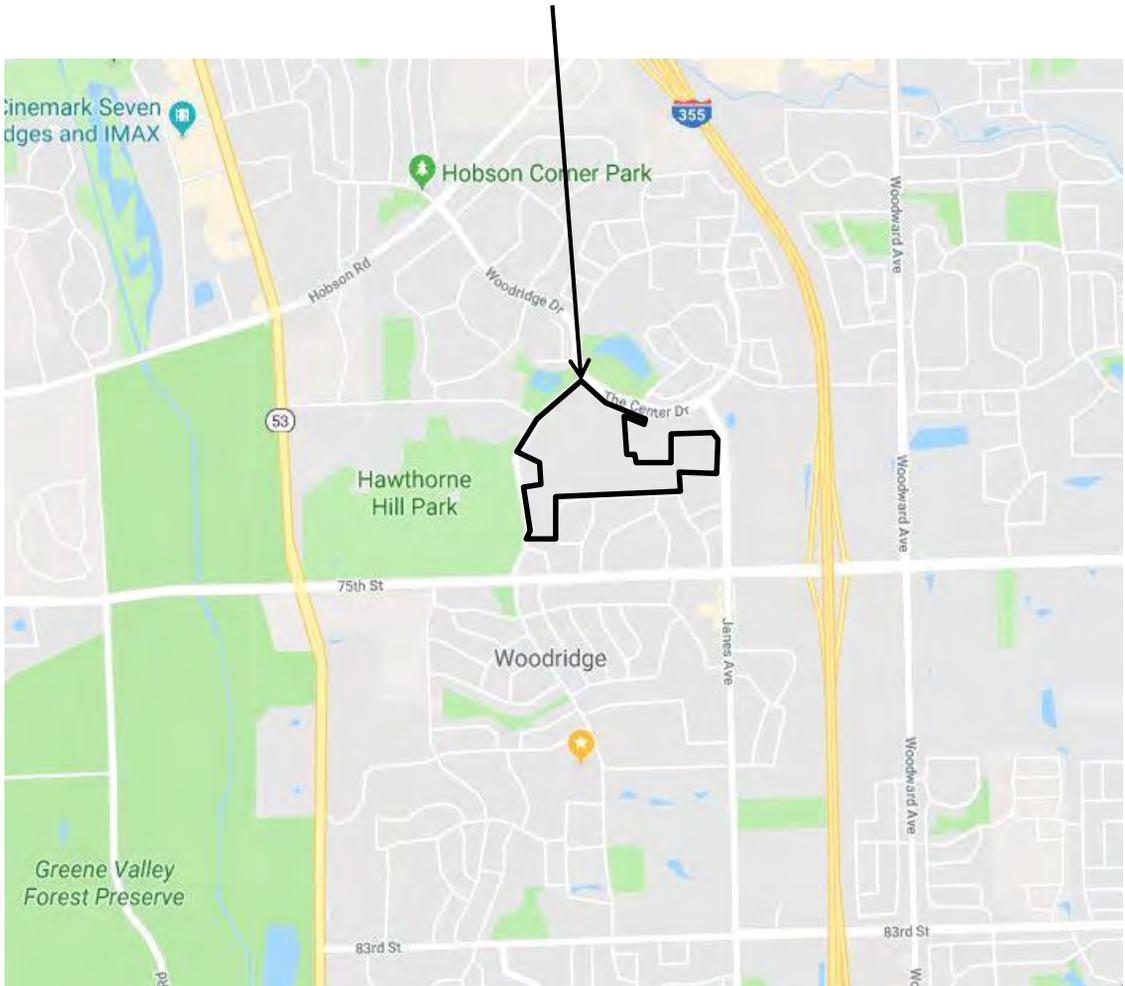
Wilhelm, Gerould & Laura Rericha. 2017. Flora of the Chicago Region: A Floristic and Ecological Synthesis. Indiana Academy of Science. Indianapolis. IN.

APPENDIX A

EXHIBITS



PROJECT LOCATION

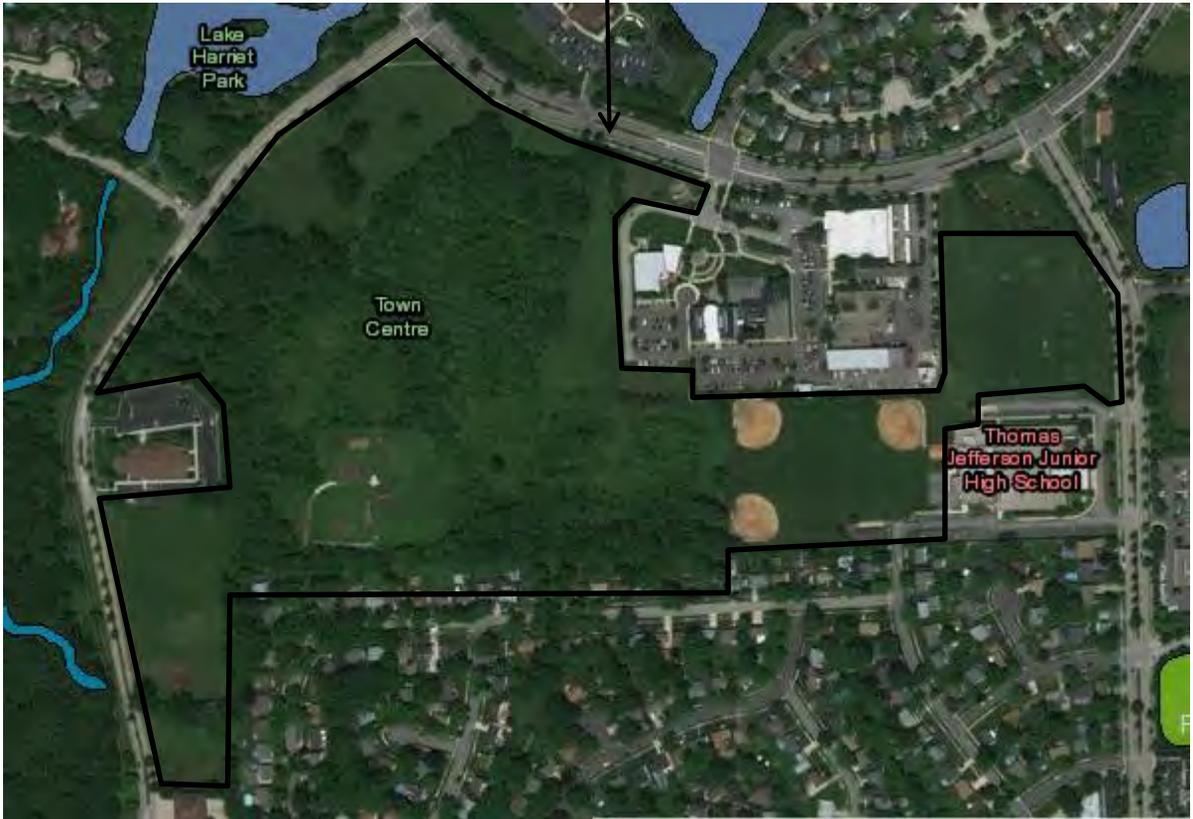


Source: Google Maps



Title: Location Map
Project Number: 185-001-18
Site: Woodridge Park Site
Client: DLZ
Exhibit: 1

PROJECT LOCATION



Source: USFWS National Wetland Mapper

Wetlands	
	Freshwater Emergent
	Freshwater Forested/Shrub
	Estuarine and Marine Deepwater
	Estuarine and Marine
	Freshwater Pond
	Lake
	Riverine
	Other



Title: National Wetland Inventory
Project Number: 185-001-18
Site: Woodridge Park Site
Client: DLZ
Exhibit: 2

PROJECT LOCATION



Source: DuPage County DEC

KEY

	LAKES/PONDS
	WETLANDS



Title: DuPage County Wetland Map
Project Number: 185-001-18
Site: Woodridge Park Site
Client: DLZ
Exhibit: 3

N

PROJECT LOCATION



Source: Websoilsurvey.com

LEGEND

Map unit symbol	Map unit name	Rating
146A	Elliott silt loam, 0 to 2 percent slopes	4
232A	Ashkum silty clay loam, 0 to 2 percent slopes	97
530B	Ozaukee silt loam, 2 to 4 percent slopes	4
530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded	0
531B	Markham silt loam, 2 to 4 percent slopes	4
805B	Orthents, clayey, undulating	6

Soil Rating Polygons

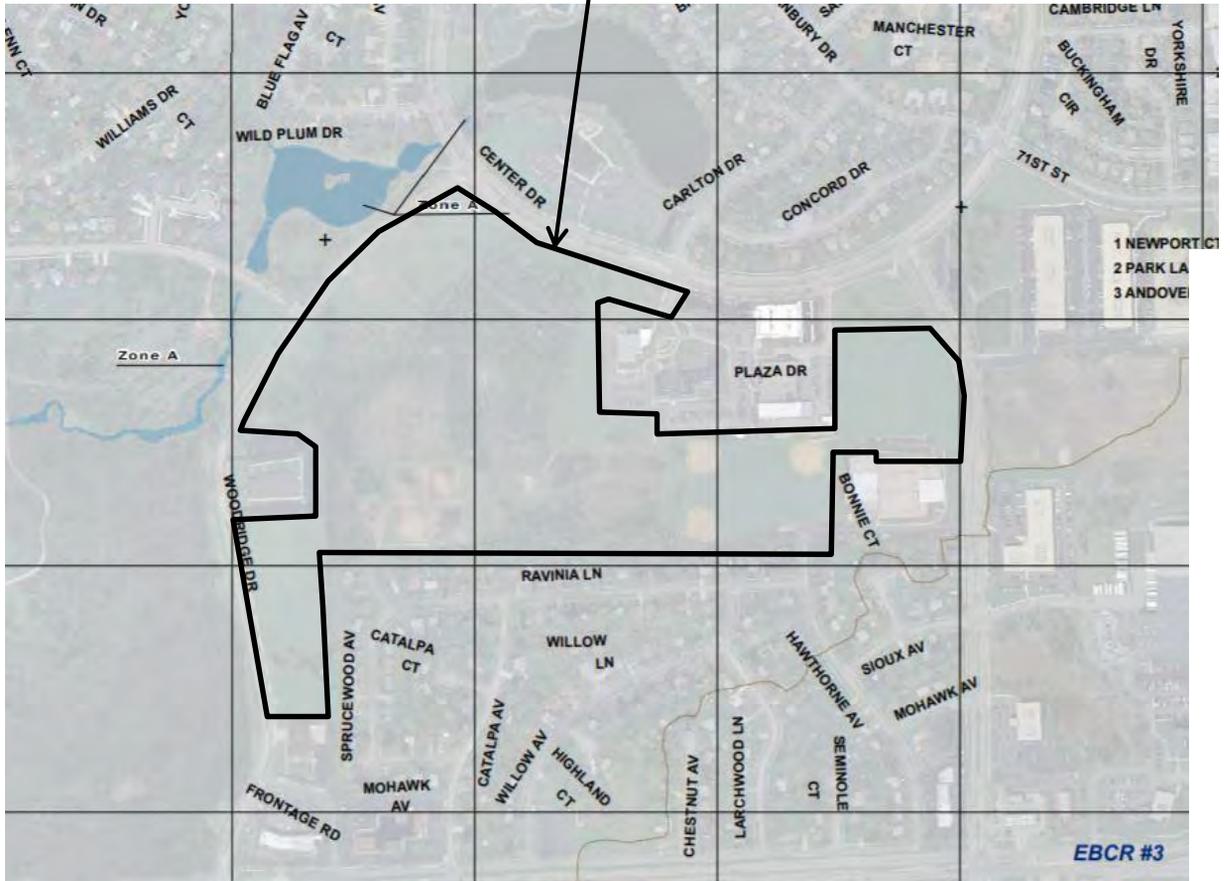
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available



Title: USDA Soil Survey
 Project Number: 185-001-18
 Site: Woodridge Park Site
 Client: DLZ
 Exhibit: 4



PROJECT LOCATION



LEGEND

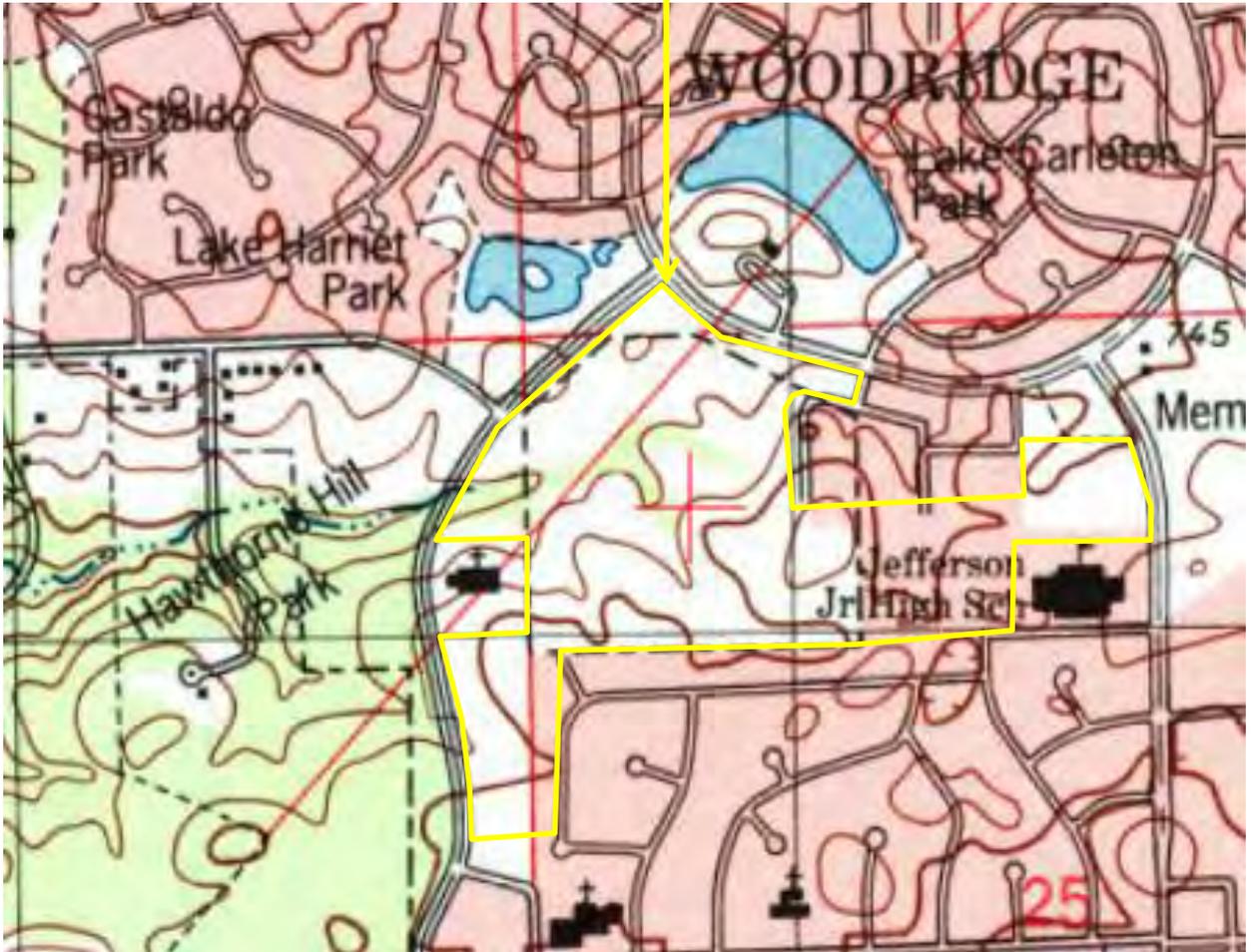
-  SPECIAL FLOOD HAZARD AREAS INUNDATED BY THE 1% ANNUAL CHANCE FLOOD EVENTS
- The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.
- Zone AE** Base flood elevations determined, BFE lines shown.
- Zone A** Base flood elevations undetermined.
-  FLOODWAY AREAS  Approximate Structure Centres
-  OTHER FLOOD AREAS
- Zone X** Areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; areas protected by levees from the 1% annual chance flood; areas of 0.2% annual chance flood.

Source: DuPage County
 Panel #: 17043C0168 A
 Effective Date: July 7, 2010



Title: DuPage Regulatory Floodplain Map
 Project Number: 185-001-18
 Site: Woodridge Park Site
 Client: DLZ
 Exhibit: 5

PROJECT LOCATION



Source: <http://historicalmaps.arcgis.com/usgs/>



Title: USGS Topographic Map
Project Number: 185-001-18
Site: Woodridge Park Site
Client: DLZ
Exhibit: 6

PROJECT LOCATION



Source: Google Earth

Legend

Data Point Location = **DP 1A**

Flagged Wetland Boundary =

Flagged Waters of DuPage County Boundary =

Detention Basin =



Title: Aerial Photograph
Project Number: 185-001-18
Site: Woodridge Park Site
Client: DLZ

APPENDIX B
SITE PHOTOGRAPHS



Data Point 1A (Wetland 1) facing south, April 4, 2018.



Data Point 1B (Upland) facing north, April 4, 2018.



Data Point 2A (Wetland 1) facing southeast, April 4, 2018.



Data Point 2B (Upland) facing northwest, April 4, 2018.



Data Point 3A (Wetland 1) facing north, April 4, 2018.



Data Point 3B (Upland) facing northeast, April 4, 2018.



Data Point 4A (Wetland 2) facing northeast, April 4, 2018.



Data Point 4B (Upland) facing west, April 4, 2018.



Photo 1 (P1) facing west and showing an off-site wetland/detention basin dominated by reed canary grass (*Phalaris arundinacea*) and narrow-leaf cattail (*Typha angustifolia*), April 4, 2018.



Data Point 5A (Wetland 3) facing west, April 4, 2018.



Data Point 5B (Upland) facing west, April 4, 2018.



Data Point 6A (Detention Basin) facing west, April 4, 2018.



Data Point 6B (Upland) facing northwest, April 4, 2018.

APPENDIX C

U.S. ARMY CORPS FORMS
&
FLORISTIC QUALITY ASSESSMENTS

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Woodridge Park Site City/County: Woodridge / DuPage Sampling Date: 4/4/2018
 Applicant/Owner: DLZ State: IL Sampling Point: 1A
 Investigator(s): P. Bollinger Section, Township, Range: NE1/4 Sec. 26 & NW1/4 Sec. 25 T38N R10E, 3rd P.M.
 Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): concave
 Slope (%): 0 - 1 Lat: 41.754244 Long: -88.047784 Datum: n/a
 Soil Map Unit Name: Ashkum silty clay loam, 0 to 2% slopes (232A) 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> Hydric Soil Present? Yes <u>X</u> No <u> </u> Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Acer saccharinum</u>	50	Yes	FACW	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u> 4 </u> (A) Total Number of Dominant Species Across All Strata: <u> 4 </u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)																
2. <u>Morus alba</u>	5	No	FAC																	
3. <u> </u>																				
4. <u> </u>																				
5. <u> </u>																				
	55	=Total Cover																		
Sapling/Shrub Stratum (Plot size: <u> </u>)																				
1. <u>Rhamnus cathartica</u>	30	Yes	FAC	Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Total % Cover of:</td> <td style="text-align: center;">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>130</u></td> <td>x 2 = <u>260</u></td> </tr> <tr> <td>FAC species <u> 40</u></td> <td>x 3 = <u>120</u></td> </tr> <tr> <td>FACU species <u> 5</u></td> <td>x 4 = <u> 20</u></td> </tr> <tr> <td>UPL species <u> 0</u></td> <td>x 5 = <u> 0</u></td> </tr> <tr> <td>Column Totals: <u>175</u> (A)</td> <td><u>400</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.29</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u> 0 </u>	x 1 = <u> 0 </u>	FACW species <u>130</u>	x 2 = <u>260</u>	FAC species <u> 40</u>	x 3 = <u>120</u>	FACU species <u> 5</u>	x 4 = <u> 20</u>	UPL species <u> 0</u>	x 5 = <u> 0</u>	Column Totals: <u>175</u> (A)	<u>400</u> (B)	Prevalence Index = B/A = <u>2.29</u>	
Total % Cover of:	Multiply by:																			
OBL species <u> 0 </u>	x 1 = <u> 0 </u>																			
FACW species <u>130</u>	x 2 = <u>260</u>																			
FAC species <u> 40</u>	x 3 = <u>120</u>																			
FACU species <u> 5</u>	x 4 = <u> 20</u>																			
UPL species <u> 0</u>	x 5 = <u> 0</u>																			
Column Totals: <u>175</u> (A)	<u>400</u> (B)																			
Prevalence Index = B/A = <u>2.29</u>																				
2. <u>Lonicera tatarica</u>	5	No	FACU																	
3. <u> </u>																				
4. <u> </u>																				
5. <u> </u>																				
	35	=Total Cover																		
Herb Stratum (Plot size: <u> </u>)																				
1. <u>Bidens frondosa</u>	70	Yes	FACW	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u>X</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.																
2. <u>Carex blanda</u>	5	No	FAC																	
3. <u> </u>																				
4. <u> </u>																				
5. <u> </u>																				
6. <u> </u>																				
7. <u> </u>																				
8. <u> </u>																				
9. <u> </u>																				
10. <u> </u>																				
	75	=Total Cover																		
Woody Vine Stratum (Plot size: <u> </u>)																				
1. <u>Vitis riparia</u>	10	Yes	FACW	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>																
2. <u> </u>																				
	10	=Total Cover																		
Remarks: (Include photo numbers here or on a separate sheet.)																				

SOIL

Sampling Point: 1A

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 20	10YR 3/1	95	10YR 4/1	5	C	M	Loamy/Clayey	Faint redox concentrations

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- Coast Prairie Redox (A16)
- Iron-Manganese Masses (F12)
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- 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)
- True Aquatic Plants (B14)
- 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)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes No Depth (inches): 10
 Saturation Present? Yes No Depth (inches): 0
 (includes capillary fringe)

Wetland Hydrology Present? Yes No

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

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Woodridge Park Site City/County: Woodridge / DuPage Sampling Date: 4/4/2018
 Applicant/Owner: DLZ State: IL Sampling Point: 1B
 Investigator(s): P. Bollinger Section, Township, Range: NE1/4 Sec. 26 & NW1/4 Sec. 25 T38N R10E, 3rd P.M.
 Landform (hillside, terrace, etc.): hillslope Local relief (concave, convex, none): concave
 Slope (%): 30 Lat: 41.754380 Long: -88.047728 Datum: n/a
 Soil Map Unit Name: Ashkum silty clay loam, 0 to 2% slopes (232A) 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> Hydric Soil Present? Yes <u> </u> No <u>X</u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
=Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				
1. <u>Lonicera tatarica</u>	50	Yes	FACU	
2. <u>Rhamnus cathartica</u>	35	Yes	FAC	
3. <u>Cornus racemosa</u>	5	No	FAC	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
=Total Cover				
Herb Stratum (Plot size: _____)				
1. <u>Alliaria petiolata</u>	5	Yes	FAC	
2. <u>Carex blanda</u>	5	Yes	FAC	
3. <u>Dactylis glomerata</u>	5	Yes	FACU	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
=Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. <u>Vitis riparia</u>	5	Yes	FACW	
2. _____	_____	_____	_____	
=Total Cover				

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>5</u>	x 2 = <u>10</u>
FAC species <u>50</u>	x 3 = <u>150</u>
FACU species <u>55</u>	x 4 = <u>220</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>110</u> (A)	<u>380</u> (B)
Prevalence Index = B/A = <u>3.45</u>	

Hydrophytic Vegetation Indicators:

 1 - Rapid Test for Hydrophytic Vegetation

X 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.

Hydrophytic Vegetation Present? Yes X No

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

SOIL

Sampling Point: 1B

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 20	10YR 3/1	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- Coast Prairie Redox (A16)
- Iron-Manganese Masses (F12)
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- 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)
- True Aquatic Plants (B14)
- 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)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- 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:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Woodridge Park Site City/County: Woodridge / DuPage Sampling Date: 4/4/2018
 Applicant/Owner: DLZ State: IL Sampling Point: 2A
 Investigator(s): P. Bollinger Section, Township, Range: NE1/4 Sec. 26 & NW1/4 Sec. 25 T38N R10E, 3rd P.M.
 Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): concave
 Slope (%): 0 - 1 Lat: 41.756571 Long: -88.048946 Datum: n/a
 Soil Map Unit Name: Ashkum silty clay loam, 0 to 2% slopes (232A) 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> Hydric Soil Present? Yes <u>X</u> No <u> </u> Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
5.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		<u> </u>	=Total Cover		
Sapling/Shrub Stratum	(Plot size: <u> </u>)				
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
5.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		<u> </u>	=Total Cover		
Herb Stratum	(Plot size: <u> </u>)				
1.	<u>Agrostis gigantea</u>	85	Yes	FACW	
2.	<u>Schedonorus pratensis</u>	10	No	FACU	
3.	<u>Bidens frondosa</u>	5	No	FACW	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
5.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
6.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
7.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
8.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
9.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
10.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		100	=Total Cover		
Woody Vine Stratum	(Plot size: <u> </u>)				
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		<u> </u>	=Total Cover		

Dominance Test worksheet:
 Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
 Total Number of Dominant Species Across All Strata: 1 (B)
 Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u> 0 </u>	x 1 = <u> 0 </u>
FACW species <u> 90 </u>	x 2 = <u> 180 </u>
FAC species <u> 0 </u>	x 3 = <u> 0 </u>
FACU species <u> 10 </u>	x 4 = <u> 40 </u>
UPL species <u> 0 </u>	x 5 = <u> 0 </u>
Column Totals: <u> 100 </u> (A)	<u> 220 </u> (B)
Prevalence Index = B/A = <u> 2.20 </u>	

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.

Hydrophytic Vegetation Present? Yes X No

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

SOIL

Sampling Point: 2A

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 6	10YR 3/1	100					Loamy/Clayey	
6 - 20	10YR 3/1	95	10YR 3/3	5	C	PL	Loamy/Clayey	Distinct redox concentrations

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:			Indicators for Problematic Hydric Soils³:		
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> ? Coast Prairie Redox (A16)			
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> ? Iron-Manganese Masses (F12)			
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (F21)			
<input checked="" type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Dark Surface (S7)	<input type="checkbox"/> Very Shallow Dark Surface (F22)			
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Loamy Mucky Mineral (F1)	<input type="checkbox"/> Other (Explain in Remarks)			
<input type="checkbox"/> 2 cm Muck (A10)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)				
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)				
<input type="checkbox"/> Thick Dark Surface (A12)	<input checked="" type="checkbox"/> Redox Dark Surface (F6)				
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)				
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	<input type="checkbox"/> Redox Depressions (F8)				

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
---	---

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:		
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input checked="" type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations:	
Surface Water Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>0.5</u>	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>0</u>	
(includes capillary fringe)	

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

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Woodridge Park Site City/County: Woodridge / DuPage Sampling Date: 4/4/2018
 Applicant/Owner: DLZ State: IL Sampling Point: 2B
 Investigator(s): P. Bollinger Section, Township, Range: NE1/4 Sec. 26 & NW1/4 Sec. 25 T38N R10E, 3rd P.M.
 Landform (hillside, terrace, etc.): hillslope Local relief (concave, convex, none): convex
 Slope (%): 40 Lat: 41.756724 Long: -88.049186 Datum: n/a
 Soil Map Unit Name: Ashkum silty clay loam, 0 to 2% slopes (232A) 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> Hydric Soil Present? Yes <u> </u> No <u>X</u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
5.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		<u> </u>	=Total Cover		
Sapling/Shrub Stratum	(Plot size: <u> </u>)				
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
5.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		<u> </u>	=Total Cover		
Herb Stratum	(Plot size: <u> </u>)				
1.	<u>Poa pratensis</u>	<u>75</u>	<u>Yes</u>	<u>FAC</u>	
2.	<u>Taraxacum officinale</u>	<u>10</u>	<u>No</u>	<u>FACU</u>	
3.	<u>Glechoma hederacea</u>	<u>10</u>	<u>No</u>	<u>FACU</u>	
4.	<u>Trifolium repens</u>	<u>5</u>	<u>No</u>	<u>FACU</u>	
5.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
6.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
7.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
8.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
9.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
10.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		<u>100</u>	=Total Cover		
Woody Vine Stratum	(Plot size: <u> </u>)				
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		<u> </u>	=Total Cover		

Dominance Test worksheet:
 Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
 Total Number of Dominant Species Across All Strata: 1 (B)
 Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

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>75</u>	x 3 = <u>225</u>
FACU species <u>25</u>	x 4 = <u>100</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>100</u> (A)	<u>325</u> (B)
Prevalence Index = B/A = <u>3.25</u>	

Hydrophytic Vegetation Indicators:
 1 - Rapid Test for Hydrophytic Vegetation
X 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.

Hydrophytic Vegetation Present? Yes X No

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

SOIL

Sampling Point: 2B

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 7	10YR 3/1	100					Loamy/Clayey	
7 - 20	10YR 3/3	50					Loamy/Clayey	
	10YR 6/6	50						

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- Coast Prairie Redox (A16)
- Iron-Manganese Masses (F12)
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- 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)
- True Aquatic Plants (B14)
- 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)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- 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:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Woodridge Park Site City/County: Woodridge / DuPage Sampling Date: 4/4/2018
 Applicant/Owner: DLZ State: IL Sampling Point: 3A
 Investigator(s): P. Bollinger Section, Township, Range: NE1/4 Sec. 26 & NW1/4 Sec. 25 T38N R10E, 3rd P.M.
 Landform (hillside, terrace, etc.): none Local relief (concave, convex, none): concave
 Slope (%): 7 Lat: 41.754833 Long: -88.050347 Datum: n/a
 Soil Map Unit Name: Ozaukee silt loam, 4 to 6% slopes, eroded (530C2) 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> Hydric Soil Present? Yes <u>X</u> No <u> </u> Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Fraxinus pennsylvanica</u>	20	Yes	FACW	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>83.3%</u> (A/B)																
2. <u> </u>																				
3. <u> </u>																				
4. <u> </u>																				
5. <u> </u>																				
	20	=Total Cover																		
Sapling/Shrub Stratum (Plot size: <u> </u>)																				
1. <u>Rhamnus cathartica</u>	20	Yes	FAC	Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Total % Cover of:</td> <td style="text-align: center;">Multiply by:</td> </tr> <tr> <td>OBL species <u>10</u></td> <td>x 1 = <u>10</u></td> </tr> <tr> <td>FACW species <u>60</u></td> <td>x 2 = <u>120</u></td> </tr> <tr> <td>FAC species <u>55</u></td> <td>x 3 = <u>165</u></td> </tr> <tr> <td>FACU species <u>20</u></td> <td>x 4 = <u>80</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>145</u> (A)</td> <td><u>375</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.59</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>10</u>	x 1 = <u>10</u>	FACW species <u>60</u>	x 2 = <u>120</u>	FAC species <u>55</u>	x 3 = <u>165</u>	FACU species <u>20</u>	x 4 = <u>80</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>145</u> (A)	<u>375</u> (B)	Prevalence Index = B/A = <u>2.59</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>10</u>	x 1 = <u>10</u>																			
FACW species <u>60</u>	x 2 = <u>120</u>																			
FAC species <u>55</u>	x 3 = <u>165</u>																			
FACU species <u>20</u>	x 4 = <u>80</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>145</u> (A)	<u>375</u> (B)																			
Prevalence Index = B/A = <u>2.59</u>																				
2. <u>Lonicera tatarica</u>	20	Yes	FACU																	
3. <u> </u>																				
4. <u> </u>																				
5. <u> </u>																				
	40	=Total Cover																		
Herb Stratum (Plot size: <u> </u>)																				
1. <u>Carex blanda</u>	30	Yes	FAC	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u>X</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.																
2. <u>Bidens frondosa</u>	30	Yes	FACW																	
3. <u>Epilobium coloratum</u>	10	No	OBL																	
4. <u>Geum canadense</u>	5	No	FAC																	
5. <u> </u>																				
6. <u> </u>																				
7. <u> </u>																				
8. <u> </u>																				
9. <u> </u>																				
10. <u> </u>																				
	75	=Total Cover																		
Woody Vine Stratum (Plot size: <u> </u>)																				
1. <u>Vitis riparia</u>	10	Yes	FACW	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>																
2. <u> </u>																				
	10	=Total Cover																		
Remarks: (Include photo numbers here or on a separate sheet.)																				

SOIL

Sampling Point: 3A

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 20	10YR 3/1	60	2.5Y 4/3	40	C	M	Loamy/Clayey	Distinct redox concentrations

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ? Coast Prairie Redox (A16)
- Iron-Manganese Masses (F12)
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- 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)
- True Aquatic Plants (B14)
- 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)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes No Depth (inches): 7
 Saturation Present? Yes No Depth (inches): 0
 (includes capillary fringe)

Wetland Hydrology Present? Yes No

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

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Woodridge Park Site City/County: Woodridge / DuPage Sampling Date: 4/4/2018
 Applicant/Owner: DLZ State: IL Sampling Point: 3B
 Investigator(s): P. Bollinger Section, Township, Range: NE1/4 Sec. 26 & NW1/4 Sec. 25 T38N R10E, 3rd P.M.
 Landform (hillside, terrace, etc.): hillslope Local relief (concave, convex, none): convex
 Slope (%): 10 Lat: 41.754931 Long: -88.050227 Datum: n/a
 Soil Map Unit Name: Ozaukee silt loam, 4 to 6% slopes, eroded (530C2) 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> Hydric Soil Present? Yes <u>X</u> No <u> </u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status																																	
1. <u>Prunus serotina</u>	20	Yes	FACU	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>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)																																
2. <u>Fraxinus pennsylvanica</u>	10	Yes	FACW																																	
3. <u> </u>																																				
4. <u> </u>																																				
5. <u> </u>																																				
	30 =Total Cover																																			
Sapling/Shrub Stratum (Plot size: <u> </u>)																																				
1. <u>Lonicera tatarica</u>	90	Yes	FACU	Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Total % Cover of:</td> <td></td> <td style="text-align: right;">Multiply by:</td> <td></td> </tr> <tr> <td>OBL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 1 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>20</u></td> <td>x 2 =</td> <td style="text-align: center;"><u>40</u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>110</u></td> <td>x 4 =</td> <td style="text-align: center;"><u>440</u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 =</td> <td style="text-align: center;"><u>0</u></td> </tr> <tr> <td>Column Totals:</td> <td style="text-align: center;"><u>130</u> (A)</td> <td></td> <td style="text-align: center;"><u>480</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A =</td> <td></td> <td style="text-align: center;"><u>3.69</u></td> </tr> </table>	Total % Cover of:		Multiply by:		OBL species	<u>0</u>	x 1 =	<u>0</u>	FACW species	<u>20</u>	x 2 =	<u>40</u>	FAC species	<u>0</u>	x 3 =	<u>0</u>	FACU species	<u>110</u>	x 4 =	<u>440</u>	UPL species	<u>0</u>	x 5 =	<u>0</u>	Column Totals:	<u>130</u> (A)		<u>480</u> (B)	Prevalence Index = B/A =			<u>3.69</u>
Total % Cover of:		Multiply by:																																		
OBL species	<u>0</u>	x 1 =	<u>0</u>																																	
FACW species	<u>20</u>	x 2 =	<u>40</u>																																	
FAC species	<u>0</u>	x 3 =	<u>0</u>																																	
FACU species	<u>110</u>	x 4 =	<u>440</u>																																	
UPL species	<u>0</u>	x 5 =	<u>0</u>																																	
Column Totals:	<u>130</u> (A)		<u>480</u> (B)																																	
Prevalence Index = B/A =			<u>3.69</u>																																	
2. <u> </u>																																				
3. <u> </u>																																				
4. <u> </u>																																				
5. <u> </u>																																				
	90 =Total Cover																																			
Herb Stratum (Plot size: <u> </u>)																																				
1. <u> </u>				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.																																
2. <u> </u>																																				
3. <u> </u>																																				
4. <u> </u>																																				
5. <u> </u>																																				
6. <u> </u>																																				
7. <u> </u>																																				
8. <u> </u>																																				
9. <u> </u>																																				
10. <u> </u>																																				
	=Total Cover																																			
Woody Vine Stratum (Plot size: <u> </u>)																																				
1. <u>Vitis riparia</u>	10	Yes	FACW	Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>																																
2. <u> </u>																																				
	10 =Total Cover																																			
Remarks: (Include photo numbers here or on a separate sheet.)																																				

SOIL

Sampling Point: 3B

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 12	10YR 3/1	100					Loamy/Clayey	
12 - 20	10YR 4/1	80	10YR 6/8	20	C	M	Loamy/Clayey	Prominent redox concentrations

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- Coast Prairie Redox (A16)
- Iron-Manganese Masses (F12)
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- 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)
- True Aquatic Plants (B14)
- 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)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- 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:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Woodridge Park Site City/County: Woodridge / DuPage Sampling Date: 4/4/2018
 Applicant/Owner: DLZ State: IL Sampling Point: 4A
 Investigator(s): P. Bollinger Section, Township, Range: NE1/4 Sec. 26 & NW1/4 Sec. 25 T38N R10E, 3rd P.M.
 Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): concave
 Slope (%): 0 - 1 Lat: 41.756114 Long: -88.047660 Datum: n/a
 Soil Map Unit Name: Ozaukee silt loam, 2 to 4% slopes (530B) 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> Hydric Soil Present? Yes <u>X</u> No <u> </u> Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Ulmus americana</u>	<u>35</u>	Yes	FACW	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)																
2. <u>Acer saccharinum</u>	<u>25</u>	Yes	FACW																	
3. <u> </u>																				
4. <u> </u>																				
5. <u> </u>																				
	<u>60</u>	=Total Cover																		
Sapling/Shrub Stratum (Plot size: <u> </u>)																				
1. <u>Rhamnus cathartica</u>	<u>75</u>	Yes	FAC	Prevalence Index worksheet: <table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Total % Cover of:</td> <td style="text-align: center;">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>60</u></td> <td>x 2 = <u>120</u></td> </tr> <tr> <td>FAC species <u>110</u></td> <td>x 3 = <u>330</u></td> </tr> <tr> <td>FACU species <u>10</u></td> <td>x 4 = <u>40</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>180</u> (A)</td> <td><u>490</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.72</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>60</u>	x 2 = <u>120</u>	FAC species <u>110</u>	x 3 = <u>330</u>	FACU species <u>10</u>	x 4 = <u>40</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>180</u> (A)	<u>490</u> (B)	Prevalence Index = B/A = <u>2.72</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>60</u>	x 2 = <u>120</u>																			
FAC species <u>110</u>	x 3 = <u>330</u>																			
FACU species <u>10</u>	x 4 = <u>40</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>180</u> (A)	<u>490</u> (B)																			
Prevalence Index = B/A = <u>2.72</u>																				
2. <u>Lonicera tatarica</u>	<u>10</u>	No	FACU																	
3. <u> </u>																				
4. <u> </u>																				
5. <u> </u>																				
	<u>85</u>	=Total Cover																		
Herb Stratum (Plot size: <u> </u>)																				
1. <u>Carex blanda</u>	<u>30</u>	Yes	FAC	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u>X</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.																
2. <u>Geum canadense</u>	<u>5</u>	No	FAC																	
3. <u> </u>																				
4. <u> </u>																				
5. <u> </u>																				
6. <u> </u>																				
7. <u> </u>																				
8. <u> </u>																				
9. <u> </u>																				
10. <u> </u>																				
	<u>35</u>	=Total Cover																		
Woody Vine Stratum (Plot size: <u> </u>)																				
1. <u> </u>				Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>																
2. <u> </u>																				

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

SOIL

Sampling Point: 4A

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 10	10YR 3/2	83	2.5YR 3/4	7	C	PL	Loamy/Clayey	Prominent redox concentrations
			10YR 4/1	10	C	M		Faint redox concentrations

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:			Indicators for Problematic Hydric Soils³:		
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> ? Coast Prairie Redox (A16)	<input type="checkbox"/> Iron-Manganese Masses (F12)	<input type="checkbox"/> Red Parent Material (F21)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Other (Explain in Remarks)		
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Dark Surface (S7)	<input type="checkbox"/> Loamy Mucky Mineral (F1)			
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Depleted Matrix (F3)			
<input type="checkbox"/> Stratified Layers (A5)	<input checked="" type="checkbox"/> Redox Dark Surface (F6)	<input type="checkbox"/> Depleted Dark Surface (F7)			
<input type="checkbox"/> 2 cm Muck (A10)	<input type="checkbox"/> Depleted Dark Surface (F7)	<input checked="" type="checkbox"/> Redox Depressions (F8)			
<input type="checkbox"/> Depleted Below Dark Surface (A11)					
<input type="checkbox"/> Thick Dark Surface (A12)					
<input type="checkbox"/> Sandy Mucky Mineral (S1)					
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)					

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
---	---

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:		
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input checked="" type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input checked="" type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input checked="" type="checkbox"/> Other (Explain in Remarks)	

Field Observations:	
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>4</u>	
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>0</u>	
(includes capillary fringe)	

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

Remarks:
exposed tree roots, buttressing

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Woodridge Park Site City/County: Woodridge / DuPage Sampling Date: 4/4/2018
 Applicant/Owner: DLZ State: IL Sampling Point: 4B
 Investigator(s): P. Bollinger Section, Township, Range: NE1/4 Sec. 26 & NW1/4 Sec. 25 T38N R10E, 3rd P.M.
 Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none
 Slope (%): 0 - 1 Lat: 41.156230 Long: -88.047882 Datum: n/a
 Soil Map Unit Name: Ozaukee silt loam, 2 to 4% slopes (530B) 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> Hydric Soil Present? Yes <u> </u> No <u>X</u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status																																	
1. <u>Malus pumila</u>	50	Yes	UPL	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> 4 </u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u> 25.0% </u> (A/B)																																
2. <u>Prunus serotina</u>	25	Yes	FACU																																	
3. <u> </u>																																				
4. <u> </u>																																				
5. <u> </u>																																				
	75	=Total Cover																																		
Sapling/Shrub Stratum (Plot size: <u> </u>)																																				
1. <u>Lonicera tatarica</u>	60	Yes	FACU	Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Total % Cover of:</td> <td></td> <td style="text-align: right;">Multiply by:</td> <td></td> </tr> <tr> <td>OBL species</td> <td style="text-align: center;"><u> 0 </u></td> <td>x 1 =</td> <td style="text-align: center;"><u> 0 </u></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u> 0 </u></td> <td>x 2 =</td> <td style="text-align: center;"><u> 0 </u></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u> 30 </u></td> <td>x 3 =</td> <td style="text-align: center;"><u> 90 </u></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u> 85 </u></td> <td>x 4 =</td> <td style="text-align: center;"><u> 340 </u></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u> 50 </u></td> <td>x 5 =</td> <td style="text-align: center;"><u> 250 </u></td> </tr> <tr> <td>Column Totals:</td> <td style="text-align: center;"><u> 165 </u> (A)</td> <td></td> <td style="text-align: center;"><u> 680 </u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A =</td> <td></td> <td style="text-align: center;"><u> 4.12 </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> 30 </u>	x 3 =	<u> 90 </u>	FACU species	<u> 85 </u>	x 4 =	<u> 340 </u>	UPL species	<u> 50 </u>	x 5 =	<u> 250 </u>	Column Totals:	<u> 165 </u> (A)		<u> 680 </u> (B)	Prevalence Index = B/A =			<u> 4.12 </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> 30 </u>	x 3 =	<u> 90 </u>																																	
FACU species	<u> 85 </u>	x 4 =	<u> 340 </u>																																	
UPL species	<u> 50 </u>	x 5 =	<u> 250 </u>																																	
Column Totals:	<u> 165 </u> (A)		<u> 680 </u> (B)																																	
Prevalence Index = B/A =			<u> 4.12 </u>																																	
2. <u>Rhamnus cathartica</u>	30	Yes	FAC																																	
3. <u> </u>																																				
4. <u> </u>																																				
5. <u> </u>																																				
	90	=Total Cover																																		
Herb Stratum (Plot size: <u> </u>)																																				
1. <u> </u>				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.																																
2. <u> </u>																																				
3. <u> </u>																																				
4. <u> </u>																																				
5. <u> </u>																																				
6. <u> </u>																																				
7. <u> </u>																																				
8. <u> </u>																																				
9. <u> </u>																																				
10. <u> </u>																																				
		=Total Cover																																		
Woody Vine Stratum (Plot size: <u> </u>)																																				
1. <u> </u>				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>																																
2. <u> </u>																																				
		=Total Cover																																		

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

SOIL

Sampling Point: 4B

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 20	10YR 3/2	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

<p>Hydric Soil Indicators:</p> <p><input type="checkbox"/> Histosol (A1)</p> <p><input type="checkbox"/> Histic Epipedon (A2)</p> <p><input type="checkbox"/> Black Histic (A3)</p> <p><input type="checkbox"/> Hydrogen Sulfide (A4)</p> <p><input type="checkbox"/> Stratified Layers (A5)</p> <p><input type="checkbox"/> 2 cm Muck (A10)</p> <p><input type="checkbox"/> Depleted Below Dark Surface (A11)</p> <p><input type="checkbox"/> Thick Dark Surface (A12)</p> <p><input type="checkbox"/> Sandy Mucky Mineral (S1)</p> <p><input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)</p>	<p><input type="checkbox"/> Sandy Gleyed Matrix (S4)</p> <p><input type="checkbox"/> Sandy Redox (S5)</p> <p><input type="checkbox"/> Stripped Matrix (S6)</p> <p><input type="checkbox"/> Dark Surface (S7)</p> <p><input type="checkbox"/> Loamy Mucky Mineral (F1)</p> <p><input type="checkbox"/> Loamy Gleyed Matrix (F2)</p> <p><input type="checkbox"/> Depleted Matrix (F3)</p> <p><input type="checkbox"/> Redox Dark Surface (F6)</p> <p><input type="checkbox"/> Depleted Dark Surface (F7)</p> <p><input type="checkbox"/> Redox Depressions (F8)</p>	<p>Indicators for Problematic Hydric Soils³:</p> <p><input type="checkbox"/> Coast Prairie Redox (A16)</p> <p><input type="checkbox"/> Iron-Manganese Masses (F12)</p> <p><input type="checkbox"/> Red Parent Material (F21)</p> <p><input type="checkbox"/> Very Shallow Dark Surface (F22)</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
--	---	---

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

<p>Restrictive Layer (if observed):</p> <p>Type: _____</p> <p>Depth (inches): _____</p>	<p>Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
--	--

Remarks:

HYDROLOGY

<p>Wetland Hydrology Indicators:</p> <p><u>Primary Indicators (minimum of one is required; check all that apply)</u></p> <p><input type="checkbox"/> Surface Water (A1)</p> <p><input type="checkbox"/> High Water Table (A2)</p> <p><input type="checkbox"/> Saturation (A3)</p> <p><input type="checkbox"/> Water Marks (B1)</p> <p><input type="checkbox"/> Sediment Deposits (B2)</p> <p><input type="checkbox"/> Drift Deposits (B3)</p> <p><input type="checkbox"/> Algal Mat or Crust (B4)</p> <p><input type="checkbox"/> Iron Deposits (B5)</p> <p><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)</p> <p><input type="checkbox"/> ? Sparsely Vegetated Concave Surface (B8)</p>	<p><u>Secondary Indicators (minimum of two required)</u></p> <p><input type="checkbox"/> Water-Stained Leaves (B9)</p> <p><input type="checkbox"/> Aquatic Fauna (B13)</p> <p><input type="checkbox"/> True Aquatic Plants (B14)</p> <p><input type="checkbox"/> Hydrogen Sulfide Odor (C1)</p> <p><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)</p> <p><input type="checkbox"/> Presence of Reduced Iron (C4)</p> <p><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)</p> <p><input type="checkbox"/> Thin Muck Surface (C7)</p> <p><input type="checkbox"/> Gauge or Well Data (D9)</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
---	---

<p>Field Observations:</p> <p>Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>(includes capillary fringe)</p>	<p>Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
--	--

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

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Woodridge Park Site City/County: Woodridge / DuPage Sampling Date: 4/4/2018
 Applicant/Owner: DLZ State: IL Sampling Point: 5A
 Investigator(s): P. Bollinger Section, Township, Range: NE1/4 Sec. 26 & NW1/4 Sec. 25 T38N R10E, 3rd P.M.
 Landform (hillside, terrace, etc.): creek channel Local relief (concave, convex, none): concave
 Slope (%): 0 - 1 Lat: 41.752758 Long: -88.051033 Datum: n/a
 Soil Map Unit Name: Ashkum silty clay loam, 0 to 2% slopes (232A) 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> Hydric Soil Present? Yes <u>X</u> No <u> </u> Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
Remarks: Data point taken in location of wetland fringe along creek channel. Channel approximately 6' wide, 6" deep, and has 12" banks. Flow is from east to west.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Fraxinus pennsylvanica</u>	<u>70</u>	Yes	FACW	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>66.7%</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
<u>70</u> =Total Cover																				
Sapling/Shrub Stratum (Plot size: _____)																				
1. <u>Rhamnus cathartica</u>	<u>50</u>	Yes	FAC	Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Total % Cover of:</td> <td style="text-align: center;">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>70</u></td> <td>x 2 = <u>140</u></td> </tr> <tr> <td>FAC species <u>50</u></td> <td>x 3 = <u>150</u></td> </tr> <tr> <td>FACU species <u>25</u></td> <td>x 4 = <u>100</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>145</u> (A)</td> <td><u>390</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.69</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>70</u>	x 2 = <u>140</u>	FAC species <u>50</u>	x 3 = <u>150</u>	FACU species <u>25</u>	x 4 = <u>100</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>145</u> (A)	<u>390</u> (B)	Prevalence Index = B/A = <u>2.69</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>70</u>	x 2 = <u>140</u>																			
FAC species <u>50</u>	x 3 = <u>150</u>																			
FACU species <u>25</u>	x 4 = <u>100</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>145</u> (A)	<u>390</u> (B)																			
Prevalence Index = B/A = <u>2.69</u>																				
2. <u>Lonicera tatarica</u>	<u>25</u>	Yes	FACU																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
<u>75</u> =Total Cover																				
Herb Stratum (Plot size: _____)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
_____ =Total Cover																				
Woody Vine Stratum (Plot size: _____)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
_____ =Total Cover																				

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.

Hydrophytic Vegetation Present? Yes X No

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

SOIL

Sampling Point: 5A

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 10	N 2.5/	100					Loamy/Clayey	
10 - 20	10YR 5/1	55	10YR 6/6	45	C	M	Loamy/Clayey	Prominent redox concentrations

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- Coast Prairie Redox (A16)
- Iron-Manganese Masses (F12)
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- 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)
- True Aquatic Plants (B14)
- 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)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes No Depth (inches): 1
 Saturation Present? Yes No Depth (inches): 0
 (includes capillary fringe)

Wetland Hydrology Present? Yes No

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

Remarks:

exposed/buttrressing roots

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Woodridge Park Site City/County: Woodridge / DuPage Sampling Date: 4/4/2018
 Applicant/Owner: DLZ State: IL Sampling Point: 5B
 Investigator(s): P. Bollinger Section, Township, Range: NE1/4 Sec. 26 & NW1/4 Sec. 25 T38N R10E, 3rd P.M.
 Landform (hillside, terrace, etc.): slight hillslope Local relief (concave, convex, none): convex
 Slope (%): 20 Lat: 41.752960 Long: -88.051022 Datum: n/a
 Soil Map Unit Name: Ashkum silty clay loam, 0 to 2% slopes (232A) 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> Hydric Soil Present? Yes <u> </u> No <u>X</u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Crataegus crus-galli</u>	35	Yes	FAC	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>66.7%</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
35 = Total Cover																				
Sapling/Shrub Stratum (Plot size: _____)				Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Total % Cover of:</td> <td style="text-align: center;">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>65</u></td> <td>x 3 = <u>195</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>115</u> (A)</td> <td><u>395</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.43</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>65</u>	x 3 = <u>195</u>	FACU species <u>50</u>	x 4 = <u>200</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>115</u> (A)	<u>395</u> (B)	Prevalence Index = B/A = <u>3.43</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>65</u>	x 3 = <u>195</u>																			
FACU species <u>50</u>	x 4 = <u>200</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>115</u> (A)	<u>395</u> (B)																			
Prevalence Index = B/A = <u>3.43</u>																				
1. <u>Lonicera tatarica</u>	50	Yes	FACU																	
2. <u>Rhamnus cathartica</u>	30	Yes	FAC																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
80 = Total Cover																				
Herb Stratum (Plot size: _____)				Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</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.																
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
_____ = Total Cover																				
Woody Vine Stratum (Plot size: _____)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
_____ = Total Cover																				
Remarks: (Include photo numbers here or on a separate sheet.)																				

SOIL

Sampling Point: 5B

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 16	10YR 2/1	100					Loamy/Clayey	
16 - 20	10YR 5/1	95	10YR 6/6	5	C	M	Loamy/Clayey	Prominent redox concentrations

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils ³ :
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Coast Prairie Redox (A16)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> 2 cm Muck (A10)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	
<input type="checkbox"/> Thick Dark Surface (A12)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	
<input type="checkbox"/> Sandy Redox (S5)	
<input type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Dark Surface (S7)	
<input type="checkbox"/> Loamy Mucky Mineral (F1)	
<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
---	---

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:	Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
---	---

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

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Woodridge Park Site City/County: Woodridge / DuPage Sampling Date: 4/4/2018
 Applicant/Owner: DLZ State: IL Sampling Point: 6A
 Investigator(s): P. Bollinger Section, Township, Range: NE1/4 Sec. 26 & NW1/4 Sec. 25 T38N R10E, 3rd P.M.
 Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): concave
 Slope (%): 0 - 1 Lat: 41.755188 Long: -88.042686 Datum: n/a
 Soil Map Unit Name: Ashkum silty clay loam, 0 to 2% slopes (232A) 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> Hydric Soil Present? Yes <u>X</u> No <u> </u> Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
Remarks: Exempt from regulations – Detention Basin	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
5.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		=Total Cover			
Sapling/Shrub Stratum	(Plot size: <u> </u>)				
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
5.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		=Total Cover			
Herb Stratum	(Plot size: <u> </u>)				
1.	<u>Agrostis gigantea</u>	90	Yes	FACW	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
5.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
6.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
7.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
8.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
9.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
10.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		90 =Total Cover			
Woody Vine Stratum	(Plot size: <u> </u>)				
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		=Total Cover			

Dominance Test worksheet:
 Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
 Total Number of Dominant Species Across All Strata: 1 (B)
 Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u> 0 </u>	x 1 = <u> 0 </u>
FACW species <u> 90 </u>	x 2 = <u> 180 </u>
FAC species <u> 0 </u>	x 3 = <u> 0 </u>
FACU species <u> 0 </u>	x 4 = <u> 0 </u>
UPL species <u> 0 </u>	x 5 = <u> 0 </u>
Column Totals: <u> 90 </u> (A)	<u> 180 </u> (B)
Prevalence Index = B/A = <u> 2.00 </u>	

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.

Hydrophytic Vegetation Present? Yes X No

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

SOIL

Sampling Point: 6A

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 6	10YR 3/1	100					Loamy/Clayey	
6 - 20	10YR 5/3	50	2.5YR 5/8	5	C	M	Loamy/Clayey	Prominent redox concentrations
	10YR 5/6	45						

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- ? Coast Prairie Redox (A16)
- Iron-Manganese Masses (F12)
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- 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)
- True Aquatic Plants (B14)
- 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)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes No Depth (inches): 3
 Saturation Present? Yes No Depth (inches): 0
 (includes capillary fringe)

Wetland Hydrology Present? Yes No

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

Remarks:

constructed stormwater basin

SOIL

Sampling Point: 6B

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 12	10YR 3/2	100					Loamy/Clayey	
12 - 20	10YR 5/3	50					Loamy/Clayey	
	10YR 5/6	50						

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- Coast Prairie Redox (A16)
- Iron-Manganese Masses (F12)
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- 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)
- True Aquatic Plants (B14)
- 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)
- Gauge or Well Data (D9)
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)
- Geomorphic Position (D2)
- 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:

SITE: Woodridge Site
LOCALE: Wetland 1
BY: Paul Bollinger
NOTES: 4/4/2018

CONSERVATISM-BASED METRICS		ADDITIONAL METRICS	
MEAN C (NATIVE SPECIES)	2.19	SPECIES RICHNESS (ALL)	49
MEAN C (ALL SPECIES)	1.43	SPECIES RICHNESS (NATIVE)	32
MEAN C (NATIVE TREES)	2.29	% NON-NATIVE	0.35
MEAN C (NATIVE SHRUBS)	2.00	WET INDICATOR (ALL)	-0.12
MEAN C (NATIVE HERBACEOUS)	2.24	WET INDICATOR (NATIVE)	-0.28
FOAI (NATIVE SPECIES)	12.37	% HYDROPHYTE (MIDWEST)	0.69
FOAI (ALL SPECIES)	10.00	% NATIVE PERENNIAL	0.59
ADJUSTED FOAI	17.68	% NATIVE ANNUAL	0.06
% C VALUE 0	0.47	% ANNUAL	0.06
% C VALUE 1-3	0.39	% PERENNIAL	0.90
% C VALUE 4-6	0.14		
% C VALUE 7-10	0.00		

SPECIES ACRONYM	SPECIES NAME (NWPL/MOHLNBROCK)	SPECIES (SYNONYM)	COMMON NAME	C VALUE	MIDWEST WET INDICATOR	NC-NE WET INDICATOR	WET INDICATOR (NUMERIC)	HABIT	DURATION	NATIVITY
aceneg	Acer negundo	Acer negundo var. violaceum	Ash-Leaf Maple	0	FAC	FAC		0 Tree	Perennial	Native
acesai	Acer saccharinum	Acer saccharinum	Silver Maple	1	FACW	FACW		-1 Tree	Perennial	Native
euprug	Ageratina altissima	Eupatorium rugosum	White Snakeroot	3	FACU	FACU		1 Forb	Perennial	Native
agralb	Agrostis gigantea	ALBA	Black Bent	0	FACW	FACW		-1 Grass	Perennial	Adventive
ambart	Ambrosia artemisiifolia	Ambrosia artemisiifolia elatior	Annual Ragweed	0	FACU	FACU		1 Forb	Annual	Native
barvul	Barbarea vulgaris	BARBAREA VULGARIS	Garden Yellow-Rocket	0	FAC	FAC		0 Forb	Biennial	Adventive
bidfro	Bidens frondosa	frondosa	Devil's-Pitchfork	1	FACW	FACW		-1 Forb	Annual	Native
cxblan	Carex blanda	Carex blanda	Sedge	1	FAC	FAC		0 Sedge	Perennial	Native
cxstri	Carex stricta	Carex stricta	Uptight Sedge	5	OBL	OBL		-2 Sedge	Perennial	Native
corsto	Cornus alba	Cornus stolonifera; Cornus baileyi; Cornus sericea	Red Osier	5	FACW	FACW		-1 Shrub	Perennial	Native
corrac	Cornus racemosa	Cornus racemosa	Gray Dogwood	1	FAC	FAC		0 Shrub	Perennial	Native
cracru	Crataegus crus-galli	Crataegus crus-galli; Crataegus acutifolia	Cock-Spur Hawthorn	3	FAC	FAC		0 Tree	Perennial	Native
dipsyl	Dipsacus fullonum	DIPSACUS	Fuller's Teasel	0	FACU	FACU		1 Forb	Biennial	Adventive
epicol	Epilobium coloratum	Epilobium coloratum	Purple-Leaf Willowherb	3	OBL	OBL		-2 Forb	Perennial	Native
polscn	Fallopia scandens	Fallopia scandens; Fallopia cristata	Climbing Black-Bindweed	3	FAC	FAC		0 Vine	Perennial	Native
fravir	Fragaria virginiana	Fragaria virginiana	Virginia Strawberry	0	FACU	FACU		1 Forb	Perennial	Native

		Fraxinus pennsylvanica							
frapen	Fraxinus pennsylvanica	Fraxinus pennsylvanica subintegerrima: Fraxinus lanceolata Geum	Green Ash	4 FACW	FACW	-1 Tree	Perennial	Native	
geucan	Geum canadense	canadense	White Avens	1 FAC	FAC	0 Forb	Perennial	Native	
glehed	Glechoma hederacea	GLECHOMA HEDERACEA	Groundivy	0 FACU	FACU	1 Forb	Perennial	Adventive	
glystr	Glyceria striata	Glyceria striata var. stricta Hydrophyllum	Fowl Manna Grass	4 OBL	OBL	-2 Grass	Perennial	Native	
hydvir	Hydrophyllum virginianum	virginianum	Shawnee-Salad	5 FAC	FAC	0 Forb	Perennial	Native	
jugnig	Juglans nigra	Juglans nigra	Black Walnut	3 FACU	FACU	1 Tree	Perennial	Native	
jundud	Juncus dudleyi	Juncus dudleyi	Dudley's Rush	2 FACW	FACW	-1 Forb	Perennial	Native	
lontat	Lonicera tatarica	LONICERA TATARICA	Twinsisters	0 FACU	FACU	1 Shrub	Perennial	Adventive	
lytsal	Lythrum salicaria	LYTHRUM SALICARIA MORUS ALBA VAR.	Purple Loosestrife	0 OBL	OBL	-2 Forb	Perennial	Adventive	
moralb	Morus alba	TATARICA	White Mulberry	0 FAC	FACU	0 Tree	Perennial	Adventive	
panvir	Panicum virgatum	Panicum virgatum	Wand Panic Grass	3 FAC	FAC	0 Grass	Perennial	Native	
polpen	Panicum pennsylvanicum	Polygonum pennsylvanicum	Pinkweed	0 FACW	FACW	-1 Forb	Annual	Native	
phaaru	Phalaris arundinacea	PHALARIS ARUNDINACEA	Reed Canary Grass	0 FACW	FACW	-1 Grass	Perennial	Adventive	
phlpra	Phleum pratense	PHLEUM PRATENSE	Common Timothy	0 FACU	FACU	1 Grass	Perennial	Adventive	
poapra	Poa pratensis	POA PRATENSIS	Kentucky Blue Grass	0 FAC	FACU	0 Grass	Perennial	Adventive	
popdel	Populus deltoides	Populus deltoides	Eastern Cottonwood	0 FAC	FAC	0 Tree	Perennial	Native	
rhacat	Rhamnus cathartica	RHAMNUS CATHARTICA	European Buckthorn	0 FAC	FAC	0 Shrub	Perennial	Adventive	
ribmis	Ribes missouriense	Ribes missouriense	Missouri Gooseberry	2 UPL	UPL	2 Shrub	Perennial	Native	
rosmul	Rosa multiflora	ROSA MULTIFLORA	Rambler Rose	0 FACU	FACU	1 Shrub	Perennial	Adventive	
rubocc	Rubus occidentalis	Rubus occidentalis	Black Raspberry	0 UPL	UPL	2 Shrub	Perennial	Native	
rumcri	Rumex crispus	RUMEX CRISPUS	Curly Dock	0 FAC	FAC	0 Forb	Perennial	Adventive	
salint	Salix interior	Salix interior	Sandbar Willow	2 FACW	FACW	-1 Shrub	Perennial	Native	
salnig	Salix nigra	Salix nigra	Black Willow	5 OBL	OBL	-2 Tree	Perennial	Native	
fesela	Schedonorus pratensis	FESTUCA ELATIOR	Meadow False Rye Grass	0 FACU	FACU	1 Grass	Perennial	Adventive	
solalt	Solidago altissima	Solidago altissima	Tall Goldenrod	1 FACU	FACU	1 Forb	Perennial	Native	
astlat	Symphyotrichum lateriflorum	Symphyotrichum lateriflorum	Aster Farewell-Summer	4 FACW	FAC	-1 Forb	Perennial	Native	
taroff	Taraxacum officinale	TARAXACUM OFFICINALE	Common Dandelion	0 FACU	FACU	1 Forb	Perennial	Adventive	
teucan	Teucrium canadense	Teucrium canadense	American Germander	3 FACW	FACW	-1 Forb	Perennial	Native	
rhurad	Toxicodendron radicans	Rhus radicans	Eastern Poison-Ivy	2 FAC	FAC	0 Vine	Perennial	Native	
typang	Typha angustifolia	TYPHA ANGUSTIFOLIA	Narrow-Leaf Cat-Tail	0 OBL	OBL	-2 Forb	Perennial	Adventive	
ulmpum	Ulmus pumila	ULMUS PUMILA	Siberian Elm	0 UPL	FACU	2 Tree	Perennial	Adventive	
verurt	Verbena urticifolia	Verbena urticifolia var. leiocarpa	White Vervain	2 FAC	FAC	0 Forb	Perennial	Native	
vitrip	Vitis riparia	Vitis riparia var. syrticola	River-Bank Grape	1 FACW	FAC	-1 Vine	Perennial	Native	

SITE: Woodridge Site
LOCALE: Wetland 2
BY: Paul Bollinger
NOTES: 4/4/2018

CONSERVATISM-BASED METRICS		ADDITIONAL METRICS	
MEAN C (NATIVE SPECIES)	1.53	SPECIES RICHNESS (ALL)	23
MEAN C (ALL SPECIES)	1.13	SPECIES RICHNESS (NATIVE)	17
MEAN C (NATIVE TREES)	1.33	% NON-NATIVE	0.26
MEAN C (NATIVE SHRUBS)	1.00	WET INDICATOR (ALL)	0.04
MEAN C (NATIVE HERBACEOUS)	1.78	WET INDICATOR (NATIVE)	0.06
FOAI (NATIVE SPECIES)	6.31	% HYDROPHYTE (MIDWEST)	0.70
FOAI (ALL SPECIES)	5.42	% NATIVE PERENNIAL	0.70
ADJUSTED FOAI	13.15	% NATIVE ANNUAL	0.04
% C VALUE 0	0.39	% ANNUAL	0.04
% C VALUE 1-3	0.57	% PERENNIAL	0.91
% C VALUE 4-6	0.04		
% C VALUE 7-10	0.00		

SPECIES ACRONYM	SPECIES NAME (NWPL/ MOHLENBROCK)	SPECIES (SYNONYM)	COMMON NAME	C VALUE	MIDWEST WET INDICATOR	WET NC-NE WET INDICATOR	WET INDICATOR (NUMERIC)	HABIT	DURATION	NATIVITY
aceneg	Acer negundo	Acer negundo var. violaceum	Ash-Leaf Maple	0	FAC	FAC		0 Tree	Perennial	Native
acesai	Acer saccharinum	Acer saccharinum	Silver Maple	1	FACW	FACW		-1 Tree	Perennial	Native
euprug	Ageratina altissima	Eupatorium rugosum	White Snakeroot	3	FACU	FACU		1 Forb	Perennial	Native
agralb	Agrostis gigantea	ALBA ALLIARIA	Black Bent	0	FACW	FACW		-1 Grass	Perennial	Adventive
allpet	Alliaria petiolata	PETIOLATA	Garlic-Mustard	0	FAC	FACU		0 Forb	Biennial	Adventive
bidfro	Bidens frondosa	frondosa	Devil's-Pitchfork	1	FACW	FACW		-1 Forb	Annual	Native
cxblan	Carex blanda	Carex blanda	Sedge	1	FAC	FAC		0 Sedge	Perennial	Native
corrac	Cornus racemosa	racemosa	Gray Dogwood	1	FAC	FAC		0 Shrub	Perennial	Native
fravir	Fragaria virginiana	virginiana	Virginia Strawberry	0	FACU	FACU		1 Forb	Perennial	Native
geucan	Geum canadense	canadense	White Avens	1	FAC	FAC		0 Forb	Perennial	Native
glehed	Glechoma hederacea	GLECHOMA HEDERACEA	Groundivy	0	FACU	FACU		1 Forb	Perennial	Adventive
jundud	Juncus dudleyi	dudleyi	Dudley's Rush	2	FACW	FACW		-1 Forb	Perennial	Native
lontat	Lonicera tatarica	TATARICA PHALARIS	Twinsisters	0	FACU	FACU		1 Shrub	Perennial	Adventive
phaaru	Phalaris arundinacea	ARUNDINACEA	Reed Canary Grass	0	FACW	FACW		-1 Grass	Perennial	Adventive
rhacat	Rhamnus cathartica	RHAMNUS CATHARTICA	European Buckthorn	0	FAC	FAC		0 Shrub	Perennial	Adventive
ribmis	Ribes missouriense	missouriense	Gooseberry	2	UPL	UPL		2 Shrub	Perennial	Native
rubocc	Rubus occidentalis	occidentalis	Black Raspberry	0	UPL	UPL		2 Shrub	Perennial	Native
solalt	Solidago altissima	altissima	Tall Goldenrod	1	FACU	FACU		1 Forb	Perennial	Native
astlat	Symphyotrichum lateriflorum	Aster lateriflorus	Farewell-Summer	4	FACW	FAC		-1 Forb	Perennial	Native
rhurad	Toxicodendron radicans	radicans	Eastern Poison-Ivy	2	FAC	FAC		0 Vine	Perennial	Native

ulmame	Ulmus americana	Ulmus americana	American Elm	3 FACW	FACW	-1 Tree	Perennial	Native
viosor	Viola sororia	Viola priceana	Hooded Blue Violet	3 FAC	FAC	0 Forb	Perennial	Native
vitrip	Vitis riparia	Vitis riparia var. syrticola	River-Bank Grape	1 FACW	FAC	-1 Vine	Perennial	Native

SITE: Woodridge Site
LOCALE: Wetland 3
BY: Paul Bollinger
NOTES: 4/4/2018

CONSERVATISM-BASED METRICS		ADDITIONAL METRICS	
MEAN C (NATIVE SPECIES)	1.50	SPECIES RICHNESS (ALL)	15
MEAN C (ALL SPECIES)	1.00	SPECIES RICHNESS (NATIVE)	10
MEAN C (NATIVE TREES)	1.60	% NON-NATIVE	0.33
MEAN C (NATIVE SHRUBS)	0.00	WET INDICATOR (ALL)	-0.27
MEAN C (NATIVE HERBACEOUS)	1.50	WET INDICATOR (NATIVE)	-0.50
FOAI (NATIVE SPECIES)	4.74	% HYDROPHYTE (MIDWEST)	0.87
FOAI (ALL SPECIES)	3.87	% NATIVE PERENNIAL	0.60
ADJUSTED FOAI	12.25	% NATIVE ANNUAL	0.07
% C VALUE 0	0.53	% ANNUAL	0.07
% C VALUE 1-3	0.33	% PERENNIAL	0.93
% C VALUE 4-6	0.13		
% C VALUE 7-10	0.00		

SPECIES ACRONYM	SPECIES NAME (NWPL/MOHLNBROCK)	SPECIES (SYNONYM)	COMMON NAME	C VALUE	MIDWEST WET INDICATOR	WET INDICATOR (NUMERIC)	HABIT	DURATION	NATIVITY
aceneg	Acer negundo	Acer negundo var. violaceum	Ash-Leaf Maple	0	FAC	FAC	0 Tree	Perennial	Native
acesai	Acer saccharinum	Acer saccharinum	Silver Maple	1	FACW	FACW	-1 Tree	Perennial	Native
bidfro	Bidens frondosa	Bidens frondosa	Devil's-Pitchfork	1	FACW	FACW	-1 Forb	Annual	Native
cracru	Crataegus crus-galli	Crataegus crus-galli; Crataegus acutifolia	Cock-Spur Hawthorn	3	FAC	FAC	0 Tree	Perennial	Native
dacglo	Dactylis glomerata	GLOMERATA	Orchard Grass	0	FACU	FACU	1 Grass	Perennial	Adventive
eupser	Eupatorium serotinum	Eupatorium serotinum	Late-Flowering Thoroughwort	0	FAC	FAC	0 Forb	Perennial	Native
frapen	Fraxinus pennsylvanica	Fraxinus pennsylvanica subintegerrima; Fraxinus lanceolata	Green Ash	4	FACW	FACW	-1 Tree	Perennial	Native
geucan	Geum canadense	Geum canadense	White Avens	1	FAC	FAC	0 Forb	Perennial	Native
lontat	Lonicera tatarica	LONICERA TATARICA	Twinsisters	0	FACU	FACU	1 Shrub	Perennial	Adventive
phaaru	Phalaris arundinacea	PHALARIS ARUNDINACEA	Reed Canary Grass	0	FACW	FACW	-1 Grass	Perennial	Adventive
poapra	Poa pratensis	POA PRATENSIS	Kentucky Blue Grass	0	FAC	FACU	0 Grass	Perennial	Adventive
popdel	Populus deltoides	Populus deltoides	Eastern Cottonwood	0	FAC	FAC	0 Tree	Perennial	Native
rhacat	Rhamnus cathartica	RHAMNUS CATHARTICA	European Buckthorn	0	FAC	FAC	0 Shrub	Perennial	Adventive
astlat	Symphyotrichum lateriflorum	ASTER LATERIFLORUM	Farewell-Summer	4	FACW	FAC	-1 Forb	Perennial	Native
vitrip	Vitis riparia	Vitis riparia var. sycitcola	River-Bank Grape	1	FACW	FAC	-1 Vine	Perennial	Native

SITE: Woodridge Site
LOCALE: Detention Basin
BY: Paul Bollinger
NOTES: 4/4/2018

CONSERVATISM-BASED METRICS		ADDITIONAL METRICS	
MEAN C (NATIVE SPECIES)	2.00	SPECIES RICHNESS (ALL)	5
MEAN C (ALL SPECIES)	0.40	SPECIES RICHNESS (NATIVE)	1
MEAN C (NATIVE TREES)	n/a	% NON-NATIVE	0.80
MEAN C (NATIVE SHRUBS)	n/a	WET INDICATOR (ALL)	-0.80
MEAN C (NATIVE HERBACEOUS)	2.00	WET INDICATOR (NATIVE)	-1.00
FQAI (NATIVE SPECIES)	2.00	% HYDROPHYTE (MIDWEST)	1.00
FQAI (ALL SPECIES)	0.89	% NATIVE PERENNIAL	0.20
ADJUSTED FQAI	8.94	% NATIVE ANNUAL	0.00
% C VALUE 0	0.80	% ANNUAL	0.00
% C VALUE 1-3	0.20	% PERENNIAL	1.00
% C VALUE 4-6	0.00		
% C VALUE 7-10	0.00		

SPECIES ACRONYM	SPECIES NAME (NWPL/MOHLNBROCK)	SPECIES (SYNONYM) AGROSTIS	COMMON NAME	C VALUE	MIDWEST WET INDICATOR	NC-NE WET INDICATOR	WET INDICATOR (NUMERIC)	HABIT	DURATION	NATIVITY
agralb	Agrostis gigantea	ALBA	Black Bent		0 FACW	FACW	-1	Grass	Perennial	Adventive
jundud	Juncus dudleyi	dudleyi	Dudley's Rush		2 FACW	FACW	-1	Forb	Perennial	Native
poapra	Poa pratensis	PRATENSIS	Kentucky Blue Grass		0 FAC	FACU	0	Grass	Perennial	Adventive
rumcri	Rumex crispus	CRISPUS	Curly Dock		0 FAC	FAC	0	Forb	Perennial	Adventive
typang	Typha angustifolia	TYPHA ANGUSTIFOLIA	Narrow-Leaf Cat-Tail		0 OBL	OBL	-2	Forb	Perennial	Adventive

APPENDIX D

MEAN RATED WILDLIFE QUALITY SHEETS

OBSERVER: P. Bollinger
DATE: 4/4/2018
LOCATION: Wetland 1

WILDLIFE HABITAT/USE EVALUATION SCORE SHEET

To assess the existing and/or potential wildlife habitat use of the subject wetland, the applicant must first complete this score sheet. The attached documentation provides examples of each scoring parameter.

A separate sheet must be completed for each wetland considered.

Applicants must document their basis for scoring decisions with field surveys followed by current photographs, aerial photographs, and other appropriate information.

A. Utilization by Wildlife

<u>Wildlife Use</u>	<u>Score</u>	
Significant	3	
Evident	2	
Low	1	
Occasional	0.5	
<u>Non-Existent</u>	<u>0</u>	SUB-TOTAL SCORE = 2.0

B. Interspersion of Vegetative Cover

<u>Interspersion</u>	<u>Score</u>	
High	3	
Medium	2	
<u>Low</u>	<u>1</u>	SUB-TOTAL SCORE = 1.0

C. Vegetative Cover to Open Water

<u>Cover</u>	<u>Score</u>	
>95% Cover	0.5	
76% - 95% Cover, Peripheral	1.5	
76% - 95% Cover, Various	2.5	
26% - 75% Cover, Peripheral	2.0	
26% - 75% Cover, Patches	3.0	
5% - 25% Cover, Peripheral	1.0	
<u><5% Cover</u>	<u>0.5</u>	SUB-TOTAL SCORE = 0.5

TOTAL SCORE (A+B+C) = 3.50

Total score > 5.00 wetland receives critical status
Total score < 5.00 wetland receives regulatory status

OBSERVER: P. Bollinger
DATE: 4/4/2018
LOCATION: Wetland 2

WILDLIFE HABITAT/USE EVALUATION SCORE SHEET

To assess the existing and/or potential wildlife habitat use of the subject wetland, the applicant must first complete this score sheet. The attached documentation provides examples of each scoring parameter.

A separate sheet must be completed for each wetland considered.

Applicants must document their basis for scoring decisions with field surveys followed by current photographs, aerial photographs, and other appropriate information.

A. Utilization by Wildlife

<u>Wildlife Use</u>	<u>Score</u>	
Significant	3	
Evident	2	
Low	1	
Occasional	0.5	
<u>Non-Existent</u>	<u>0</u>	SUB-TOTAL SCORE 1.0

B. Interspersion of Vegetative Cover

<u>Interspersion</u>	<u>Score</u>	
High	3	
Medium	2	
<u>Low</u>	<u>1</u>	SUB-TOTAL SCORE = 1.0

C. Vegetative Cover to Open Water

<u>Cover</u>	<u>Score</u>	
>95% Cover	0.5	
76% - 95% Cover, Peripheral	1.5	
76% - 95% Cover, Various	2.5	
26% - 75% Cover, Peripheral	2.0	
26% - 75% Cover, Patches	3.0	
5% - 25% Cover, Peripheral	1.0	
<u><5% Cover</u>	<u>0.5</u>	SUB-TOTAL SCORE = 0.5

TOTAL SCORE (A+B+C) = 2.5

Total score > 5.00 wetland receives critical status
Total score < 5.00 wetland receives regulatory status

OBSERVER: P. Bollinger
DATE: 4/4/2018
LOCATION: Wetland 3

WILDLIFE HABITAT/USE EVALUATION SCORE SHEET

To assess the existing and/or potential wildlife habitat use of the subject wetland, the applicant must first complete this score sheet. The attached documentation provides examples of each scoring parameter.

A separate sheet must be completed for each wetland considered.

Applicants must document their basis for scoring decisions with field surveys followed by current photographs, aerial photographs, and other appropriate information.

D. Utilization by Wildlife

<u>Wildlife Use</u>	<u>Score</u>	
Significant	3	
Evident	2	
Low	1	
Occasional	0.5	
<u>Non-Existent</u>	<u>0</u>	SUB-TOTAL SCORE 1.0

E. Interspersion of Vegetative Cover

<u>Interspersion</u>	<u>Score</u>	
High	3	
Medium	2	
<u>Low</u>	<u>1</u>	SUB-TOTAL SCORE = 1.0

F. Vegetative Cover to Open Water

<u>Cover</u>	<u>Score</u>	
>95% Cover	0.5	
76% - 95% Cover, Peripheral	1.5	
76% - 95% Cover, Various	2.5	
26% - 75% Cover, Peripheral	2.0	
26% - 75% Cover, Patches	3.0	
5% - 25% Cover, Peripheral	1.0	
<u><5% Cover</u>	<u>0.5</u>	SUB-TOTAL SCORE = 1.5

TOTAL SCORE (A+B+C) = 3.5

Total score > 5.00 wetland receives critical status
Total score < 5.00 wetland receives regulatory status

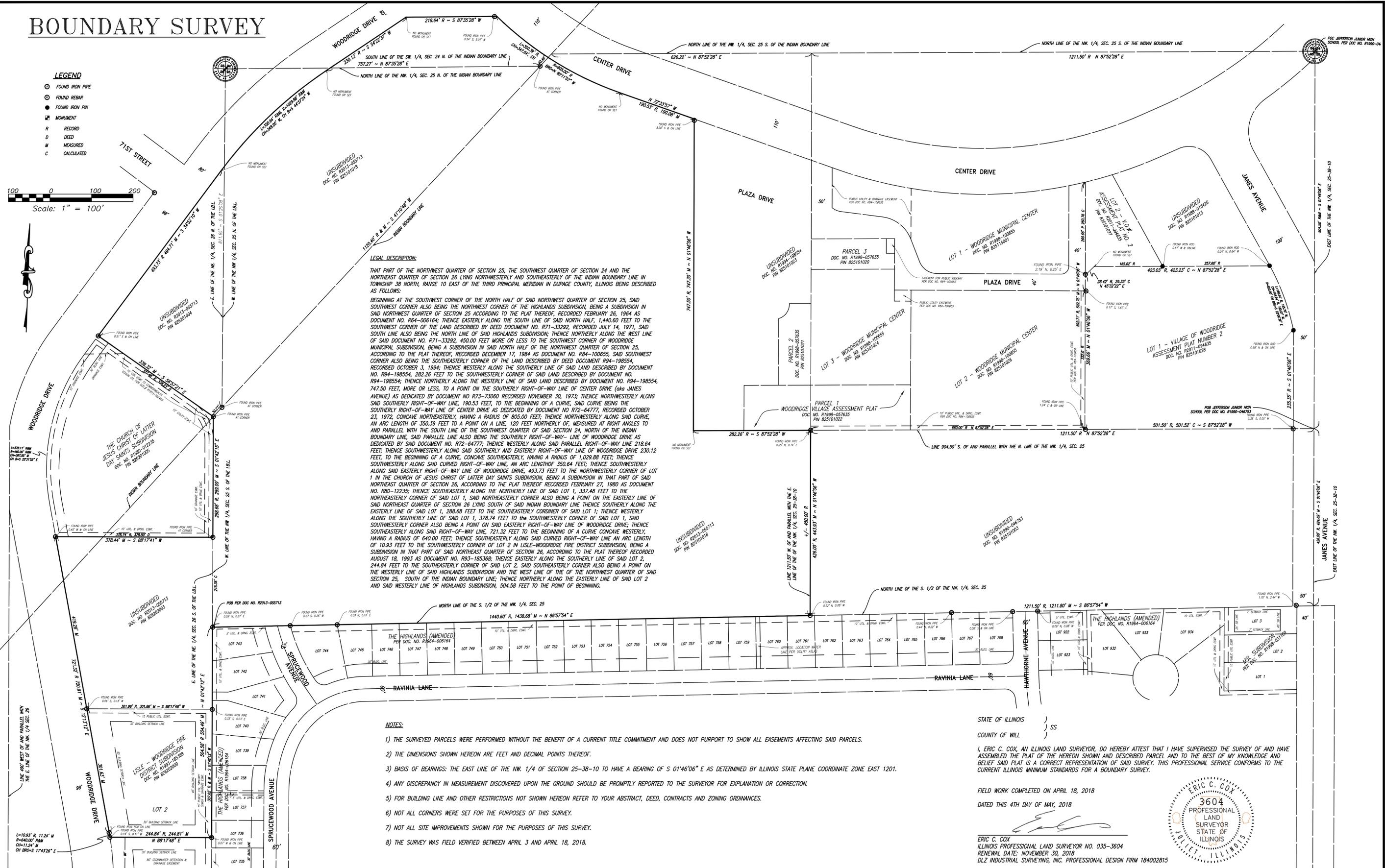
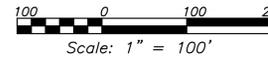
APPENDIX E

SURVEYED WETLAND BOUNDARIES

BOUNDARY SURVEY

LEGEND

- FOUND IRON PIPE
- FOUND REBAR
- FOUND IRON PIN
- MONUMENT
- R RECORD
- D DEED
- M MEASURED
- C CALCULATED



LEGAL DESCRIPTION:

THAT PART OF THE NORTHWEST QUARTER OF SECTION 25, THE SOUTHWEST QUARTER OF SECTION 24 AND THE NORTHEAST QUARTER OF SECTION 26 LYING NORTHWESTERLY AND SOUTHEASTERLY OF THE INDIAN BOUNDARY LINE IN TOWNSHIP 38 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN IN DUPAGE COUNTY, ILLINOIS BEING DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF THE NORTH HALF OF SAID NORTHWEST QUARTER OF SECTION 25, SAID SOUTHWEST CORNER ALSO BEING THE NORTHWEST CORNER OF THE HIGHLANDS SUBDIVISION, BEING A SUBDIVISION IN SAID NORTHWEST QUARTER OF SECTION 25 ACCORDING TO THE PLAT THEREOF, RECORDED FEBRUARY 26, 1964 AS DOCUMENT NO. R64-006164; THENCE EASTERLY ALONG THE SOUTH LINE OF SAID NORTH HALF, 1,440.60 FEET TO THE SOUTHWEST CORNER OF THE LAND DESCRIBED BY DEED DOCUMENT NO. R71-33292, RECORDED JULY 14, 1971, SAID SOUTH LINE ALSO BEING THE NORTH LINE OF SAID HIGHLANDS SUBDIVISION; THENCE NORTHERLY ALONG THE WEST LINE OF SAID DOCUMENT NO. R71-33292, 450.00 FEET MORE OR LESS TO THE SOUTHWEST CORNER OF WOODRIDGE MUNICIPAL SUBDIVISION, BEING A SUBDIVISION IN SAID NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 25, ACCORDING TO THE PLAT THEREOF, RECORDED DECEMBER 17, 1984 AS DOCUMENT NO. R84-100655, SAID SOUTHWEST CORNER ALSO BEING THE SOUTHEASTERN CORNER OF THE LAND DESCRIBED BY DEED DOCUMENT R94-198554, RECORDED OCTOBER 3, 1994; THENCE WESTERLY ALONG THE SOUTHERLY LINE OF SAID LAND DESCRIBED BY DOCUMENT NO. R94-198554, 292.26 FEET TO THE SOUTHWESTERLY CORNER OF SAID LAND DESCRIBED BY DOCUMENT NO. R94-198554; THENCE NORTHERLY ALONG THE WESTERLY LINE OF SAID LAND DESCRIBED BY DOCUMENT NO. R94-198554, 747.50 FEET, MORE OR LESS, TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF CENTER DRIVE (aka JAMES AVENUE) AS DEDICATED BY DOCUMENT NO. R73-73060 RECORDED NOVEMBER 30, 1973; THENCE NORTHWESTERLY ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE, 190.53 FEET, TO THE BEGINNING OF A CURVE, SAID CURVE BEING THE SOUTHERLY RIGHT-OF-WAY LINE OF CENTER DRIVE AS DEDICATED BY DOCUMENT NO. R72-64777, RECORDED OCTOBER 23, 1972, CONCAVE NORTHEASTERLY, HAVING A RADIUS OF 805.00 FEET; THENCE NORTHWESTERLY ALONG SAID CURVE, AN ARC LENGTH OF 350.39 FEET TO A POINT ON A LINE, 120 FEET NORTHERLY OF, MEASURED AT RIGHT ANGLES TO AND PARALLEL WITH THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 24, NORTH OF THE INDIAN BOUNDARY LINE, SAID PARALLEL LINE ALSO BEING THE SOUTHERLY RIGHT-OF-WAY LINE OF WOODRIDGE DRIVE AS DEDICATED BY SAID DOCUMENT NO. R72-64777; THENCE WESTERLY ALONG SAID PARALLEL RIGHT-OF-WAY LINE, 218.64 FEET; THENCE SOUTHWESTERLY ALONG SAID SOUTHERLY AND EASTERLY RIGHT-OF-WAY LINE OF WOODRIDGE DRIVE, 230.12 FEET, TO THE BEGINNING OF A CURVE, CONCAVE SOUTHEASTERLY, HAVING A RADIUS OF 1,029.88 FEET; THENCE SOUTHWESTERLY ALONG SAID CURVED RIGHT-OF-WAY LINE, AN ARC LENGTH OF 350.64 FEET; THENCE SOUTHWESTERLY ALONG SAID EASTERLY RIGHT-OF-WAY LINE OF WOODRIDGE DRIVE, 493.73 FEET TO THE NORTHWESTERLY CORNER OF LOT 1 IN THE CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS SUBDIVISION, BEING A SUBDIVISION IN THAT PART OF SAID NORTHWEST QUARTER OF SECTION 26, ACCORDING TO THE PLAT THEREOF RECORDED FEBRUARY 27, 1980 AS DOCUMENT NO. R80-12235; THENCE SOUTHEASTERLY ALONG THE NORTHERLY LINE OF SAID LOT 1, 337.49 FEET TO THE NORTHEASTERN CORNER OF SAID LOT 1, SAID NORTHEASTERN CORNER ALSO BEING A POINT ON THE EASTERLY LINE OF SAID NORTHEAST QUARTER OF SECTION 26 LYING SOUTH OF SAID INDIAN BOUNDARY LINE; THENCE SOUTHERLY ALONG THE EASTERLY LINE OF SAID LOT 1, 288.68 FEET TO THE SOUTHEASTERN CORNER OF SAID LOT 1; THENCE WESTERLY ALONG THE SOUTHERLY LINE OF SAID LOT 1, 378.74 FEET TO THE SOUTHWESTERLY CORNER OF SAID LOT 1, SAID SOUTHWESTERLY CORNER ALSO BEING A POINT ON SAID EASTERLY RIGHT-OF-WAY LINE OF WOODRIDGE DRIVE; THENCE SOUTHWESTERLY ALONG SAID RIGHT-OF-WAY LINE, 721.32 FEET TO THE BEGINNING OF A CURVE, CONCAVE WESTERLY, HAVING A RADIUS OF 640.00 FEET; THENCE SOUTHEASTERLY ALONG SAID CURVED RIGHT-OF-WAY LINE AN ARC LENGTH OF 10.93 FEET TO THE SOUTHWESTERLY CORNER OF LOT 2 IN LISLE-WOODRIDGE FIRE DISTRICT SUBDIVISION, BEING A SUBDIVISION IN THAT PART OF SAID NORTHEAST QUARTER OF SECTION 26, ACCORDING TO THE PLAT THEREOF RECORDED AUGUST 18, 1993 AS DOCUMENT NO. R93-185368; THENCE EASTERLY ALONG THE SOUTHERLY LINE OF SAID LOT 2, 244.84 FEET TO THE SOUTHEASTERN CORNER OF SAID LOT 2, SAID SOUTHEASTERN CORNER ALSO BEING A POINT ON THE WESTERLY LINE OF SAID HIGHLANDS SUBDIVISION AND THE WEST LINE OF THE OF THE NORTHWEST QUARTER OF SAID SECTION 25, SOUTH OF THE INDIAN BOUNDARY LINE; THENCE NORTHERLY ALONG THE EASTERLY LINE OF SAID LOT 2 AND SAID WESTERLY LINE OF HIGHLANDS SUBDIVISION, 504.58 FEET TO THE POINT OF BEGINNING.

NOTES:

- 1) THE SURVEYED PARCELS WERE PERFORMED WITHOUT THE BENEFIT OF A CURRENT TITLE COMMITMENT AND DOES NOT PURPORT TO SHOW ALL EASEMENTS AFFECTING SAID PARCELS.
- 2) THE DIMENSIONS SHOWN HEREON ARE FEET AND DECIMAL POINTS THEREOF.
- 3) BASIS OF BEARINGS: THE EAST LINE OF THE NW, 1/4 OF SECTION 25-38-10 TO HAVE A BEARING OF S 01°46'06" E AS DETERMINED BY ILLINOIS STATE PLANE COORDINATE ZONE EAST 1201.
- 4) ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
- 5) FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON REFER TO YOUR ABSTRACT, DEED, CONTRACTS AND ZONING ORDINANCES.
- 6) NOT ALL CORNERS WERE SET FOR THE PURPOSES OF THIS SURVEY.
- 7) NOT ALL SITE IMPROVEMENTS SHOWN FOR THE PURPOSES OF THIS SURVEY.
- 8) THE SURVEY WAS FIELD VERIFIED BETWEEN APRIL 3 AND APRIL 18, 2018.

STATE OF ILLINOIS)
COUNTY OF WILL) SS

I, ERIC C. COX, AN ILLINOIS LAND SURVEYOR, DO HEREBY ATTEST THAT I HAVE SUPERVISED THE SURVEY OF AND HAVE ASSEMBLED THE PLAT OF THE HEREON SHOWN AND DESCRIBED PARCEL AND TO THE BEST OF MY KNOWLEDGE AND BELIEF SAID PLAT IS A CORRECT REPRESENTATION OF SAID SURVEY. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FIELD WORK COMPLETED ON APRIL 18, 2018
DATED THIS 4TH DAY OF MAY, 2018

Eric C. Cox
ERIC C. COX
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3604
RENEWAL DATE: NOVEMBER 30, 2018
DLZ INDUSTRIAL SURVEYING, INC. PROFESSIONAL DESIGN FIRM 184002815



80 McDONALD AVENUE, UNIT D, JOLIET, IL 60431
TELEPHONE (815) 725-8840 FAX (815) 725-8849

WOODRIDGE	ILLINOIS	DRAWN: CSH	CHK'D: ECC	NO.	REVISION	BY	DATE	SHEET 1
WOODRIDGE PARK DISTRICT		DESIGNED: -	APPRV'D: JMC					OF 9
TOWN CENTRE		DATE: MAY 3, 2018						DRAWING NUMBER
BOUNDARY SURVEY		SCALE: 1" = 100'						7033TOPO
		PROJECT NUMBER						
		1850-7033						

TOPOGRAPHIC SURVEY

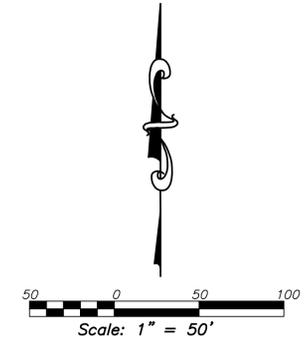
BENCHMARKS:

SOURCE BENCHMARK 1: DUPAGE COUNTY GEODETIC SURVEY MONUMENT (2006)
 V3 WOOD (DF7926)
 N: 1853208
 E: 1064114
 EL: 757.54

SOURCE BENCHMARK 2: DUPAGE COUNTY GEODETIC SURVEY MONUMENT (2006)
 L126003 (DK3270)
 N: 1851860
 E: 1060982
 EL: 749.11

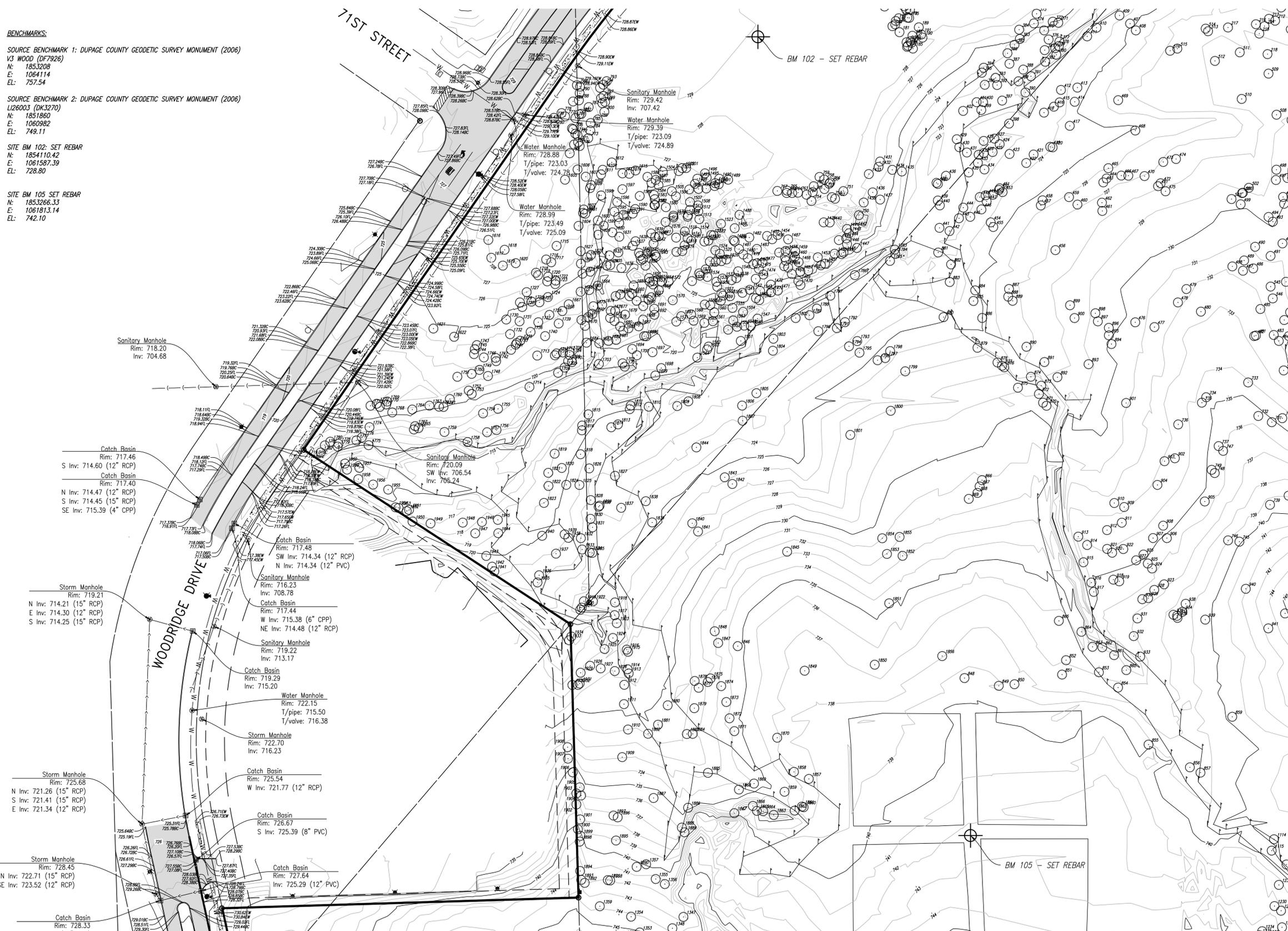
SITE BM 102: SET REBAR
 N: 1854110.42
 E: 1061587.39
 EL: 728.80

SITE BM 105 SET REBAR
 N: 1853266.33
 E: 1061813.14
 EL: 742.10



LEGEND

- FOUND IRON PIPE
- FOUND REBAR
- FOUND IRON PIN
- MONUMENT
- ⊕ STORM MANHOLE
- ⊕ SANITARY MANHOLE
- ⊕ WATER MANHOLE
- ⊕ CATCH BASIN
- MANHOLE
- ⊕ ELECTRIC MANHOLE
- ⊕ TRAFFIC SIGNAL MANHOLE
- FIRE HYDRANT
- WATER SHUTOFF VALVE
- LIGHT POLE
- POWER POLE
- TELEPHONE PEDESTAL
- ELECTRIC BOX
- CABLE PEDESTAL
- HANDHOLE
- TREE W/ ID NUMBER PER CRAFT TREE CARE INVENTORY COMPLETED 04/02/18
- ↑ WETLAND DELINEATION FLAG
- SIGN
- STORM SEWER LINE
- SANITARY SEWER LINE
- WATER LINE
- GAS LINE
- OVERHEAD ELECTRIC LINE
- XXX.X GROUND SPOT ELEVATION
- XXX.XX HARD SURFACE ELEVATION
- XXX.XXC EDGE OF CONCRETE ELEVATION
- XXX.XXW EDGE OF WALK ELEVATION
- XXX.XXC BACK OF CURB ELEVATION
- XXX.XXL ELEVATION AT FLOWLINE
- XXX.XX/W TOP OF WALL ELEVATION
- EXISTING CONTOUR
- CONCRETE
- PAVEMENT
- BUILDING
- ADA STRIP



DLZ
 INDUSTRIAL SURVEYING, INC.
 80 McDONALD AVENUE, UNIT D, JOLIET, IL 60431
 TELEPHONE (815) 725-8840 FAX (815) 725-8849

WOODRIDGE
 WOODRIDGE PARK DISTRICT
 ILLINOIS
 TOWN CENTRE
 TOPOGRAPHIC SURVEY

DRAWN:	CHK'D:	NO.	REVISION	BY	DATE
CSH	ECC	▲			
DESIGNED: -	APPRV'D: JMC	▲			
DATE: MAY 3, 2018		▲			
SCALE: 1" = 50'		▲			
PROJECT NUMBER		▲			
1850-7033		▲			

SHEET	3
OF	9
DRAWING NUMBER	7033TOPO

M:\PROJ\1850\7033\CALCULATIONS\18-7033CA_98.6.DWG

TOPOGRAPHIC SURVEY

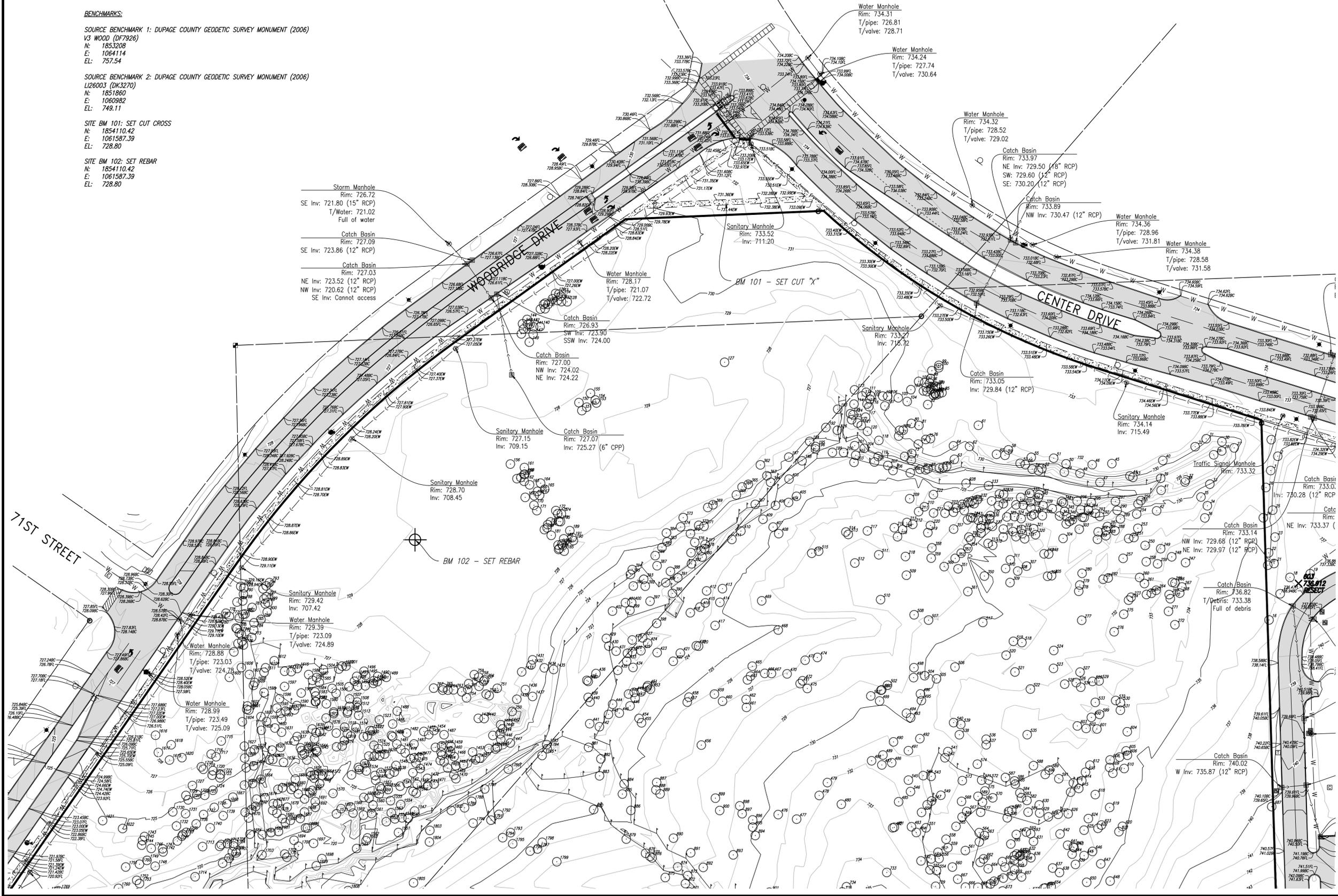
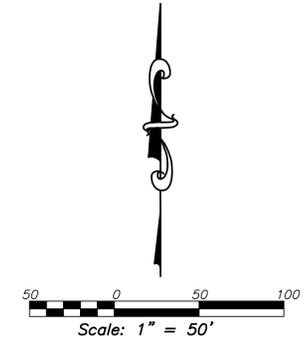
BENCHMARKS:

SOURCE BENCHMARK 1: DUPAGE COUNTY GEODETIC SURVEY MONUMENT (2006)
 V3 WOOD (07926)
 N: 1853208
 E: 1064114
 EL: 757.54

SOURCE BENCHMARK 2: DUPAGE COUNTY GEODETIC SURVEY MONUMENT (2006)
 L26003 (DK3270)
 N: 1851860
 E: 1060982
 EL: 749.11

SITE BM 101: SET CUT CROSS
 N: 1854110.42
 E: 1061587.39
 EL: 728.80

SITE BM 102: SET REBAR
 N: 1854110.42
 E: 1061587.39
 EL: 728.80



LEGEND

- FOUND IRON PIPE
- FOUND REBAR
- FOUND IRON PIN
- ⊙ MONUMENT
- ⊙ STORM MANHOLE
- ⊙ SANITARY MANHOLE
- ⊙ WATER MANHOLE
- ⊙ CATCH BASIN
- MANHOLE
- ELECTRIC MANHOLE
- ⊙ TRAFFIC SIGNAL MANHOLE
- ⊙ FIRE HYDRANT
- ⊙ WATER SHUTOFF VALVE
- ⊙ LIGHT POLE
- ⊙ POWER POLE
- ⊙ TELEPHONE PEDESTAL
- ⊙ ELECTRIC BOX
- ⊙ CABLE PEDESTAL
- ⊙ HANDHOLE
- TREE W/ ID NUMBER PER GRAF TREE CARE INVENTORY COMPLETED 04/02/18
- ⊙ WETLAND DELINEATION FLAG
- ⊙ SIGN
- STORM SEWER LINE
- - - SANITARY SEWER LINE
- - - WATER LINE
- - - GAS LINE
- - - OVERHEAD ELECTRIC LINE
- XXX.X GROUND SPOT ELEVATION
- XXX.XX HARD SURFACE ELEVATION
- XXX.XXEC EDGE OF CONCRETE ELEVATION
- XXX.XXEW EDGE OF WALK ELEVATION
- XXX.XXBC BACK OF CURB ELEVATION
- XXX.XXFL ELEVATION AT FLOWLINE
- XXX.XX/W TOP OF WALL ELEVATION
- - - EXISTING CONTOUR
- CONCRETE
- PAVEMENT
- BUILDING
- ADA STRIP

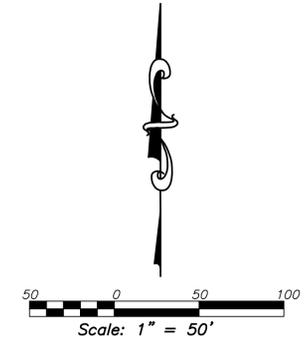
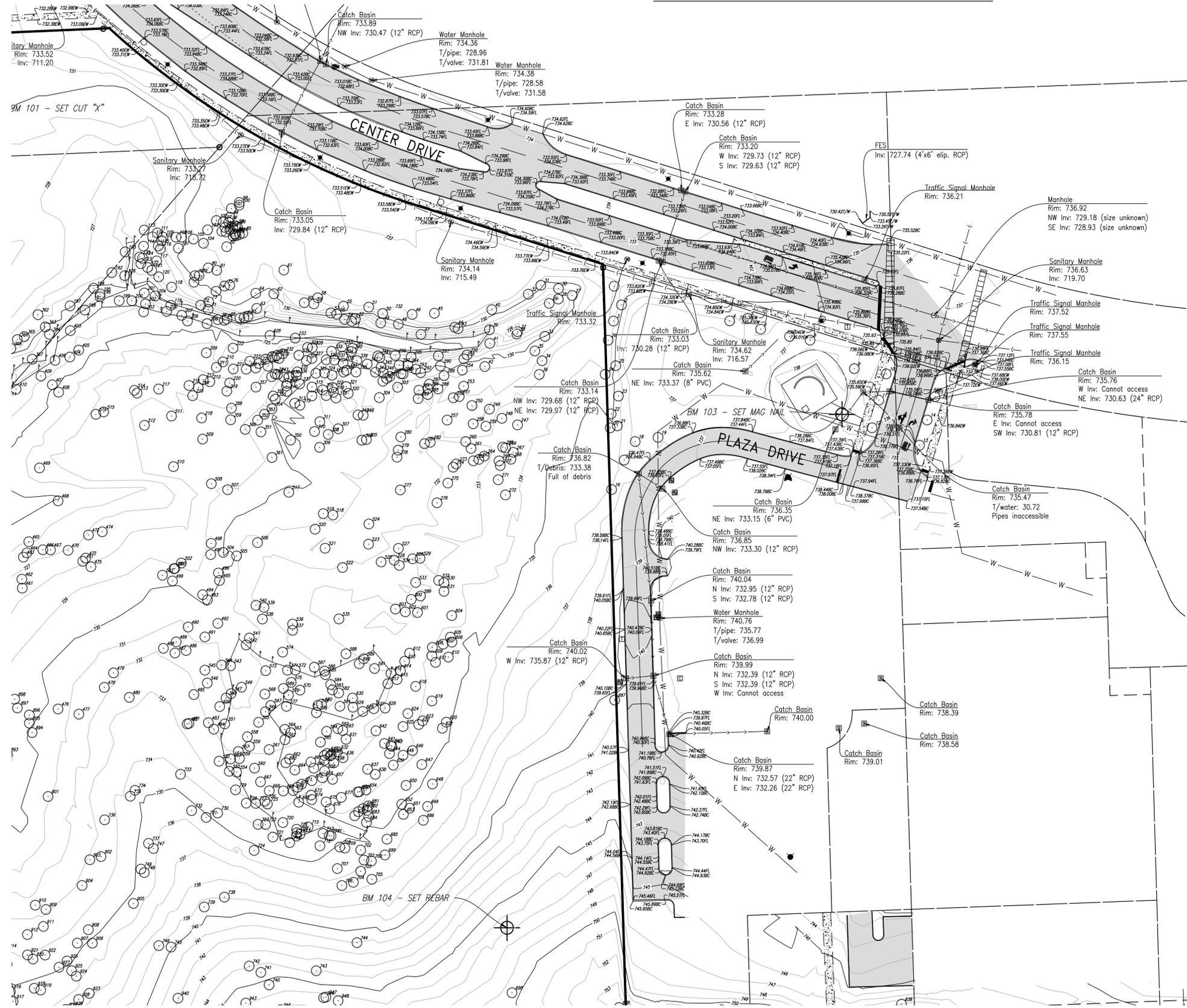
DLZ
 INDUSTRIAL SURVEYING, INC.
 80 McDONALD AVENUE, UNIT D, JOLIET, IL 60431
 TELEPHONE (815) 725-8840 FAX (815) 725-8849

WOODRIDGE	ILLINOIS	DRAWN: CSH	CHK'D. ECC	NO.	REVISION	BY	DATE
WOODRIDGE PARK DISTRICT		DESIGNED: -	APPR'V'D: JMC				
		DATE: MAY 3, 2018					
		SCALE: 1" = 50'					
TOWN CENTRE TOPOGRAPHIC SURVEY		PROJECT NUMBER					
		1850-7033					

SHEET 4
 OF 9
 DRAWING NUMBER
7033TOPO

\\P:\001\1850\7033\CALCULATIONS\18-7033CA_99.6.DWG

TOPOGRAPHIC SURVEY



- LEGEND**
- FOUND IRON PIPE
 - FOUND REBAR
 - FOUND IRON PIN
 - MONUMENT
 - ⊙ STORM MANHOLE
 - ⊙ SANITARY MANHOLE
 - ⊙ WATER MANHOLE
 - ⊙ CATCH BASIN
 - MANHOLE
 - ⊙ ELECTRIC MANHOLE
 - ⊙ TRAFFIC SIGNAL MANHOLE
 - FIRE HYDRANT
 - WATER SHUTOFF VALVE
 - ⊙ LIGHT POLE
 - ⊙ POWER POLE
 - ⊙ TELEPHONE PEDESTAL
 - ⊙ ELECTRIC BOX
 - ⊙ CABLE PEDESTAL
 - ⊙ HANDHOLE
 - TREE W/ ID NUMBER PER DRAF
TREE CARE INVENTORY COMPLETED
04/02/18
 - ⊙ WETLAND DELINEATION FLAG
 - ⊙ SIGN
 - STORM SEWER LINE
 - SANITARY SEWER LINE
 - WATER LINE
 - GAS LINE
 - OVERHEAD ELECTRIC LINE
 - XXXLX GROUND SPOT ELEVATION
 - XXXLX HARD SURFACE ELEVATION
 - XXXLXC EDGE OF CONCRETE ELEVATION
 - XXXLXE EDGE OF WALK ELEVATION
 - XXXLXB BACK OF CURB ELEVATION
 - XXXLXF ELEVATION AT FLOWLINE
 - XXXLXT/ W TOP OF WALL ELEVATION
 - EXISTING CONTOUR
 - CONCRETE
 - PAVEMENT
 - BUILDING
 - ADA STRIP

BENCHMARKS:

SOURCE BENCHMARK 1: DUPAGE COUNTY GEODETIC SURVEY MONUMENT (2006)
 V3 WOOD (DF7926)
 N: 1853208
 E: 1064114
 EL: 757.54

SOURCE BENCHMARK 2: DUPAGE COUNTY GEODETIC SURVEY MONUMENT (2006)
 L26003 (DK3270)
 N: 1851860
 E: 1060982
 EL: 749.11

SITE BM 103: SET MAG NAIL
 N: 11854095.47
 E: 1062753.66
 EL: 736.97

SITE BM 104: SET REBAR
 N: 1853595.62
 E: 1062425.94
 EL: 746.64

DLZ
INDUSTRIAL SURVEYING, INC.
80 McDONALD AVENUE, UNIT D, JOLIET, IL 60431
TELEPHONE (815) 725-8840 FAX (815) 725-8849

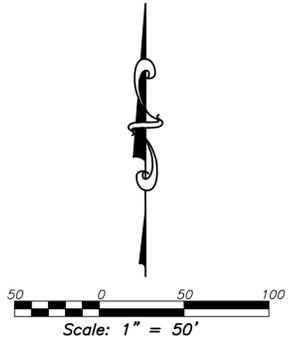
WOODRIDGE
WOODRIDGE PARK DISTRICT
ILLINOIS
TOWN CENTRE
TOPOGRAPHIC SUVEY

DRAWN:	CHK'D. ECC	NO.	REVISION	BY	DATE
CSH	APPRV'D: JMC	▲			
DESIGNED: -		▲			
DATE: MAY 3, 2018		▲			
SCALE: 1" = 50'		▲			
PROJECT NUMBER		▲			
1850-7033		▲			

SHEET 5
OF 9
DRAWING NUMBER
7033TOPO

M:\PROJ\1850\7033\CALCULATIONS\18-7033CA_98.6.DWG

TOPOGRAPHIC SURVEY



LEGEND

- FOUND IRON PIPE
- FOUND REBAR
- FOUND IRON PIN
- MONUMENT
- ⊕ STORM MANHOLE
- ⊕ SANITARY MANHOLE
- ⊕ WATER MANHOLE
- ▭ CATCH BASIN
- MANHOLE
- ⊕ ELECTRIC MANHOLE
- ⊕ TRAFFIC SIGNAL MANHOLE
- ⊕ FIRE HYDRANT
- ⊕ WATER SHUTOFF VALVE
- ⊕ LIGHT POLE
- ⊕ POWER POLE
- ⊕ TELEPHONE PEDESTAL
- ⊕ ELECTRIC BOX
- ⊕ CABLE PEDESTAL
- ⊕ HANDHOLE
- TREE W/ ID NUMBER PER GRAF TREE CARE INVENTORY COMPLETED 04/02/18
- ↑ WETLAND DELINEATION FLAG
- △ SIGN
- STORM SEWER LINE
- - - SANITARY SEWER LINE
- - - WATER LINE
- - - GAS LINE
- - - OVERHEAD ELECTRIC LINE
- XXXXX GROUND SPOT ELEVATION
- XXXXX HARD SURFACE ELEVATION
- XXX.XXC EDGE OF CONCRETE ELEVATION
- XXX.XXW EDGE OF WALK ELEVATION
- XXX.XBC BACK OF CURB ELEVATION
- XXX.XFL ELEVATION AT FLOWLINE
- XXX.XTW TOP OF WALL ELEVATION
- - - EXISTING CONTOUR
- ▭ CONCRETE
- ▭ PAVEMENT
- ▭ BUILDING
- ▭ ADA STRIP

BENCHMARKS:

SITE BM 104: SET REBAR
 N: 1853595.62
 E: 1062425.94
 EL: 746.64

SITE BM 105 SET REBAR
 N: 1853266.33
 E: 1061813.14
 EL: 742.10

SITE BM 108 SET REBAR
 N: 1853433.08
 E: 1062875.62
 EL: 748.37

DLZ
 INDUSTRIAL SURVEYING, INC.
 80 McDONALD AVENUE, UNIT D, JOLIET, IL 60431
 TELEPHONE (815) 725-8840 FAX (815) 725-8849

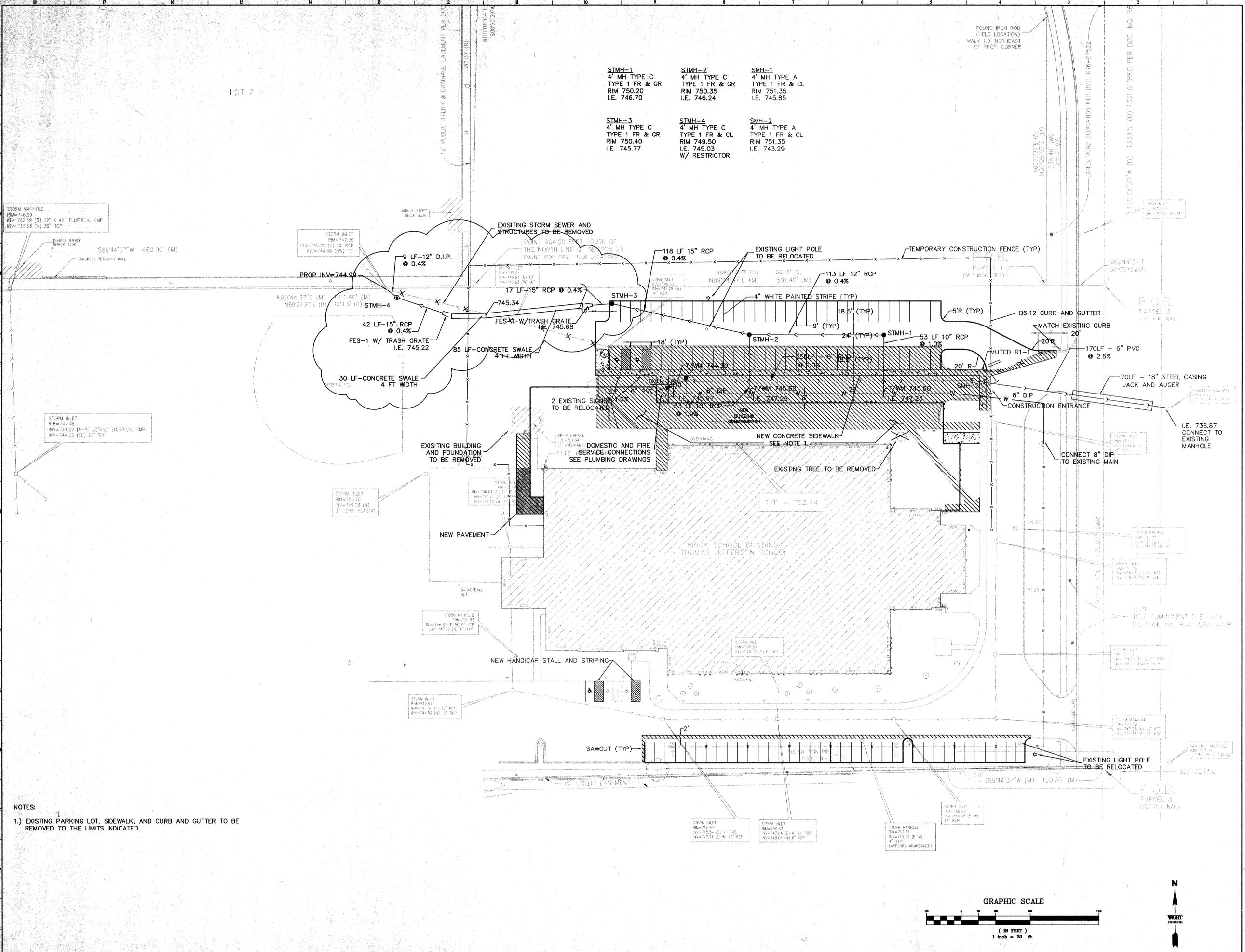
WOODRIDGE ILLINOIS
WOODRIDGE PARK DISTRICT
TOWN CENTRE TOPOGRAPHIC SURVEY

DRAWN:	CHK'D. ECC	NO.	REVISION	BY	DATE
CSH	---	△			
DESIGNED: --	APPRV'D: JMC	△			
DATE: MAY 3, 2018		△			
SCALE: 1" = 50'		△			
PROJECT NUMBER		△			
1850-7033		△			

SHEET **6**
 OF **9**
 DRAWING NUMBER
7033TOPO

M:\PROJ\1850\7033\CALCULATIONS\18-7033CA_98.6.DWG

APPENDIX F
DETENTION BASIN PLANS



- | | | |
|--|---|---|
| STMH-1
4' MH TYPE C
TYPE 1 FR & GR
RIM 750.20
I.E. 746.70 | STMH-2
4' MH TYPE C
TYPE 1 FR & GR
RIM 750.35
I.E. 746.24 | SMH-1
4' MH TYPE A
TYPE 1 FR & CL
RIM 751.35
I.E. 745.85 |
| STMH-3
4' MH TYPE C
TYPE 1 FR & GR
RIM 750.40
I.E. 745.77 | STMH-4
4' MH TYPE C
TYPE 1 FR & CL
RIM 749.50
I.E. 745.03
W/ RESTRICTOR | SMH-2
4' MH TYPE A
TYPE 1 FR & CL
RIM 751.35
I.E. 743.29 |

STORM MANHOLE
 RIM=746.69
 INV=742.59 (S) 22" X 42" ELLIPTICAL CMP
 INV=736.63 (N) 36" RCP

STORM INLET
 RIM=747.20
 INV=745.25 (E) 10" RCP
 INV=744.88 (NW) 12"

STORM INLET
 RIM=747.48
 INV=744.07 (N-S) 22" X 42" ELLIPTICAL CMP
 INV=744.23 (SE) 12" RCP

STORM INLET
 RIM=749.70
 INV=749.92 (N)
 3" CORR PLASTIC

STORM MANHOLE
 RIM=751.83
 INV=746.81 (E-W) 6" RCP
 INV=747.18 (N) 4" O.P.

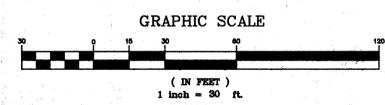
STORM INLET
 RIM=749.92
 INV=747.50 (E) 12" RCP
 INV=747.50 (N) 12" RCP

STORM INLET
 RIM=750.67
 INV=748.54 (E) 4" PVC
 INV=747.71 (E-W) 12" RCP

STORM INLET
 RIM=750.63
 INV=748.54 (E) 4" PVC
 INV=748.01 (N) 4" VCD

STORM MANHOLE
 RIM=750.01
 INV=745.53 (E-W)
 8" O.P.
 (LAMPERS ABANDONED)

- NOTES:
- EXISTING PARKING LOT, SIDEWALK, AND CURB AND GUTTER TO BE REMOVED TO THE LIMITS INDICATED.



07/11/97 REISSUED FOR VILLAGE REVIEW
 08/05/96 REISSUED FOR VILLAGE REVIEW
 06/10/96 REISSUED FOR VILLAGE REVIEW
 05/24/96 REISSUED FOR VILLAGE REVIEW
 05/22/96 REISSUED FOR BID

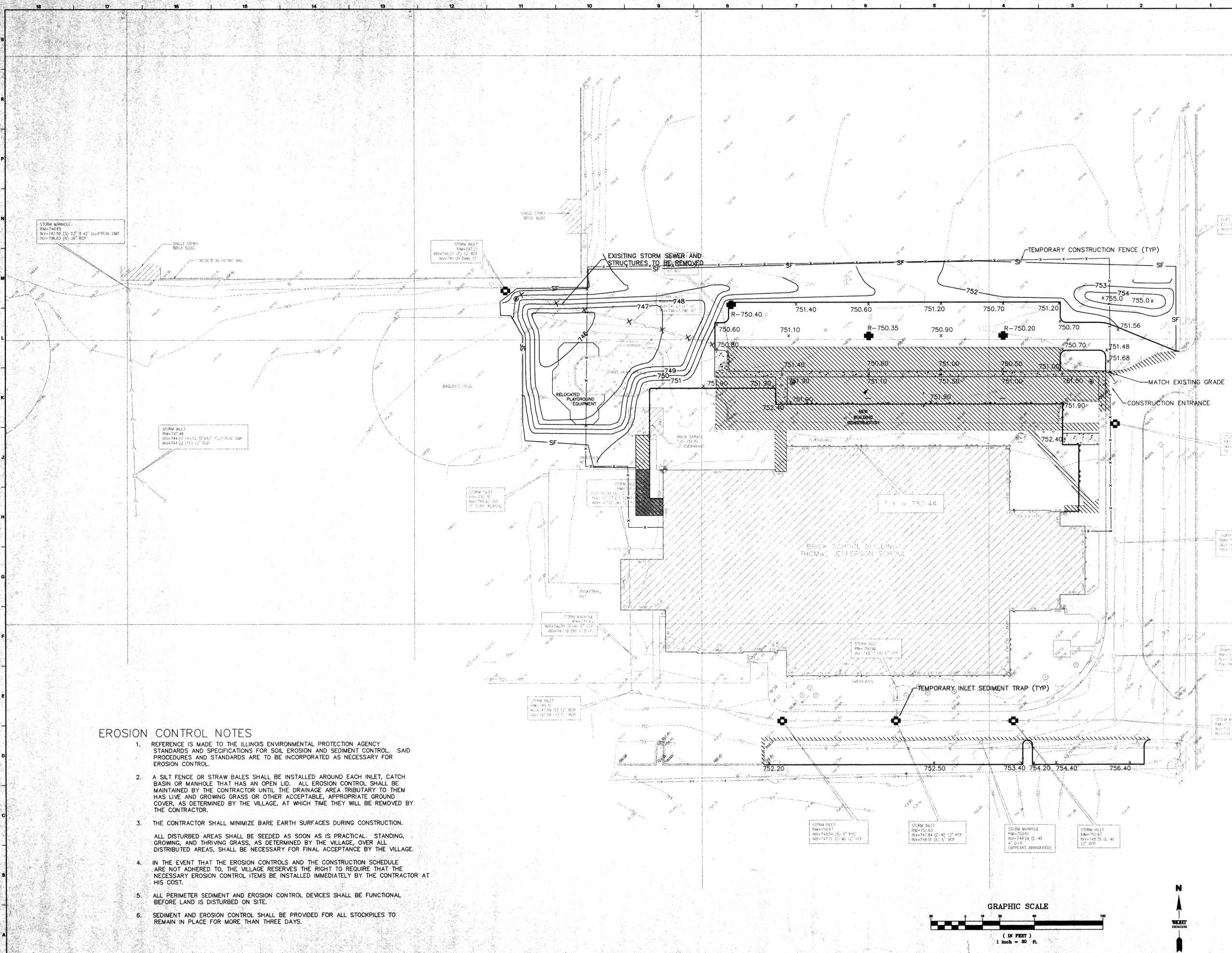


WOODRIDGE SCHOOL DISTRICT NUMBER 68
7025 JAMES AVE.
WOODRIDGE, IL

THOMAS JEFFERSON JUNIOR HIGH SCHOOL ADDITION AND RENOVATIONS

SITE LAYOUT AND UTILITY PLAN

DATE: 05/22/96
 SCALE: 1"=30'
C2.0



EROSION CONTROL NOTES

1. REFERENCE IS MADE TO THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. SAID PROCEDURES AND STANDARDS ARE TO BE INCORPORATED AS NECESSARY FOR EROSION CONTROL.
2. A SILT FENCE OR STRAW BALES SHALL BE INSTALLED AROUND EACH INLET, CATCH BASIN OR MANHOLE THAT HAS AN OPEN LID. ALL EROSION CONTROL SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL THE DRAINAGE AREA TRIBUTARY TO THEM HAS LIVE AND GROWING GRASS OR OTHER ACCEPTABLE, APPROPRIATE GROUND COVER, AS DETERMINED BY THE VILLAGE, AT WHICH TIME THEY WILL BE REMOVED BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL MINIMIZE BARE EARTH SURFACES DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE SEEDED AS SOON AS IS PRACTICAL. STANDING, GROWING, AND THRIVING GRASS, AS DETERMINED BY THE VILLAGE, OVER ALL DISTRIBUTED AREAS, SHALL BE NECESSARY FOR FINAL ACCEPTANCE BY THE VILLAGE.
4. IN THE EVENT THAT THE EROSION CONTROLS AND THE CONSTRUCTION SCHEDULE ARE NOT ADHERED TO, THE VILLAGE RESERVES THE RIGHT TO REQUIRE THAT THE NECESSARY EROSION CONTROL ITEMS BE INSTALLED IMMEDIATELY BY THE CONTRACTOR AT HIS COST.
5. ALL PERIMETER SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS DISTURBED ON SITE.
6. SEDIMENT AND EROSION CONTROL SHALL BE PROVIDED FOR ALL STOCKPILES TO REMAIN IN PLACE FOR MORE THAN THREE DAYS.

06/03/96 ISSUED FOR BID
 05/28/96 ISSUED FOR VILLAGE REVIEW
 DATE: 05/96

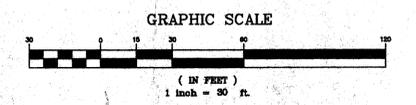


WOODRIDGE SCHOOL DISTRICT NUMBER 68
7025 JANES AVE
WOODRIDGE, IL

THOMAS JEFFERSON JUNIOR HIGH SCHOOL ADDITION AND RENOVATIONS

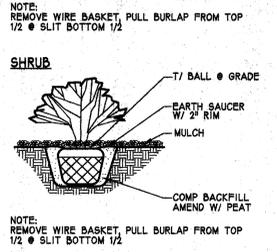
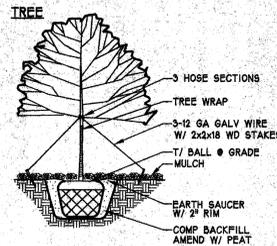
SITE GRADING, PAVING AND EROSION CONTROL PLAN

PROJECT SHEET
 02-4700-10
 SCALE
 1"=30'
 DATE
 05/15/96



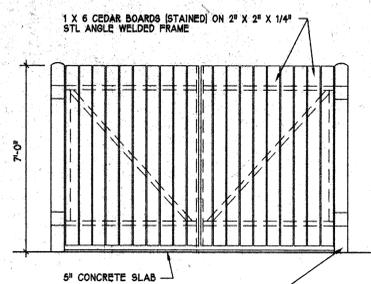
LANDSCAPE NOTES

ALL PLANTING BEDS WILL BE MULCHED W/ MIN. 3" SHREDDED BARK.
 ALL TREES NOT IN PLANTING BEDS WILL BE SURROUNDED BY A RING 9'-0" WIDE OF SHREDDED BARK AND/OR WOOD CHIPS.
 TOPSOIL MIXTURE AT ALL PLANTINGS SHALL CONSIST OF FOUR PARTS TOPSOIL TO ONE PART PEAT W/ 5 LB. SUPERPHOSPHATE ADDED PER C.Y. OF MIXTURE.
 PLANTING TIMES AND METHODS SHALL BE IN CONFORMANCE W/ THE AMERICAN ASSOCIATION OF NURSEYMEN LANDSCAPE STANDARDS.
 ALL PLANT MATERIAL SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN, FREE OF WEEDS AND DEBRIS. BROKEN ROOTBALLS OR PLANT ABRASIONS SHALL BE CAUSE FOR REJECTION BY THE ARCHITECT.
 THE LANDSCAPE CONTRACTOR SHALL GUARANTEE TREES, SHRUBS, AND GROUNDCOVER FOR A MINIMUM OF ONE YEAR FROM THE DATE PLANTING IS COMPLETED. REPLACEMENT SHALL BE MADE OF ALL PLANTS DEAD OR OTHERWISE NOT FOUND TO BE IN THRIVING CONDITION. REPLACEMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. SAID GUARANTEE EXCLUDES VANDALISM OR PHYSICAL ACCIDENTS.
 VERIFY EXACT LOCATIONS OF ALL PLANTS IN FIELD WITH THE CONSTRUCTION MANAGER.
 LANDSCAPE CONTRACTOR TO PROVIDE MIN. 6" OF TOPSOIL IN ALL OPEN PLANTING AREAS (TYP).



PLANTING PROCEDURE
 DIG PLANT HOLE WIDER AND DEEPER THAN PLANT BALL TO ALLOW FOR BACKFILL OF 1/3 PEAT AND 2/3 SOIL. TAMP BACKFILL ON THE BOTTOM OF THE HOLE FIRMLY TO PREVENT SETTLING.
 PLANT SHOULD BE SET WITH TOP OF SOIL BALL AT EXISTING GRADE LEVEL.
 ONCE PLANT IS SET IN PROPER PLACE, REMOVE TWINE AND BURLAP FROM TOP OF BALL AND SPLIT BURLAP ALONG SIDES TO ALLOW FOR ROOT GROWTH. REMOVE WIRE BASKET CAREFULLY.
 ALL METAL OR PLASTIC CONTAINERS SHOULD BE REMOVED.
 FILL HOLE 3/4 FULL WITH PREPARED SOIL MIX. TAMP TO PREVENT AIR POCKETS, WATER FINISH FILLING HOLE. FORM A SAUCER AROUND BASE OF PLANT. WATER AGAIN, AND ADD MULCH TO HOLD MOISTURE.

CONTAINER SHRUB
 7/8 BALL @ GRADE
 EARTH SAUCER W/ 2" RIM
 MULCH
 COMP BACKFILL AMEND W/ PEAT
 NOTE: REMOVE CONTAINER AND SLIT ROOT BALL

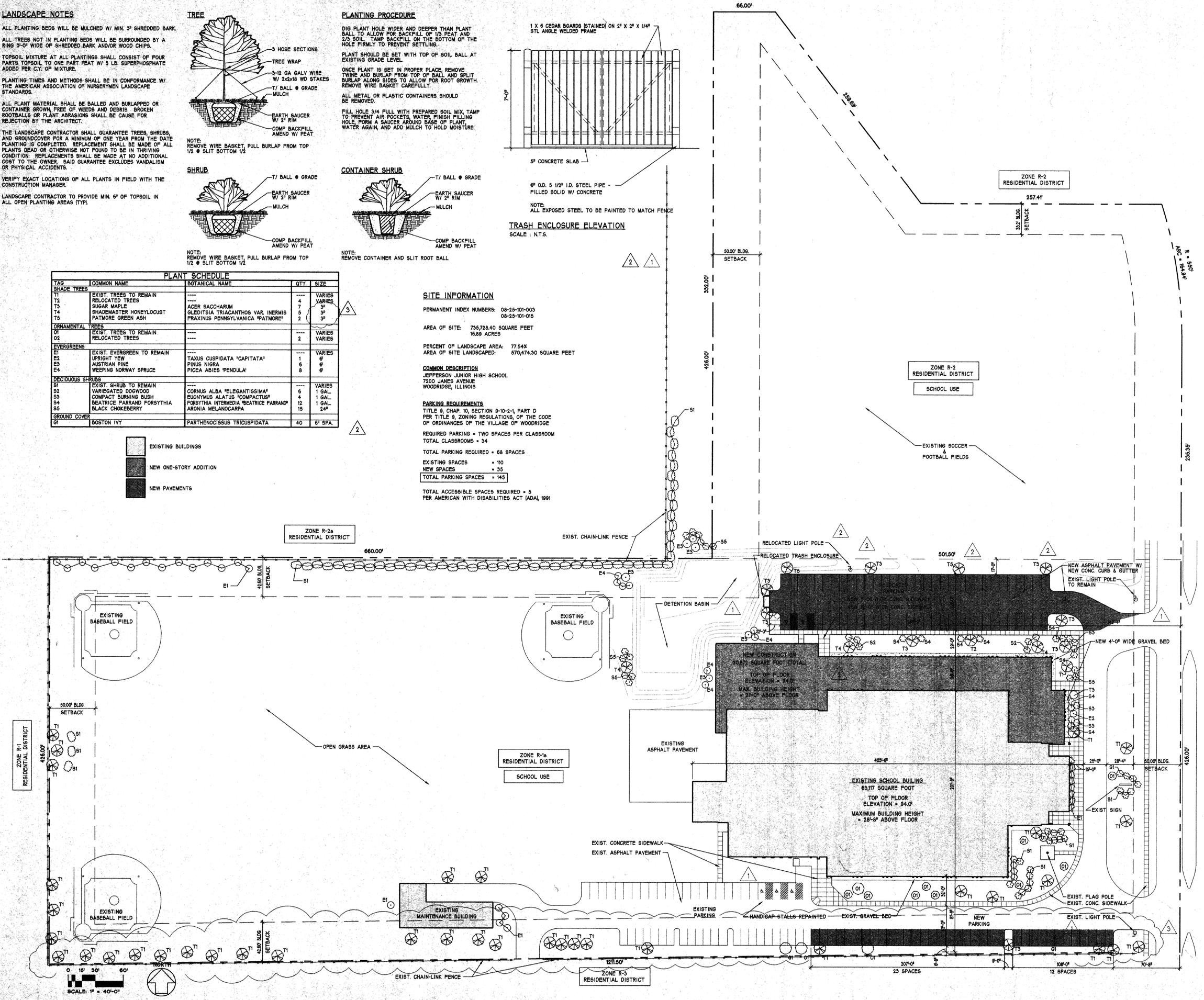
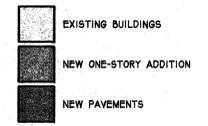


TRASH ENCLOSURE ELEVATION
 SCALE - N.T.S.
 NOTE: ALL EXPOSED STEEL TO BE PAINTED TO MATCH FENCE

SITE INFORMATION

PERMANENT INDEX NUMBERS: 08-25-101-003
 08-25-101-016
 AREA OF SITE: 735,728.40 SQUARE FEET
 16.88 ACRES
 PERCENT OF LANDSCAPE AREA: 77.84%
 AREA OF SITE LANDSCAPED: 570,474.30 SQUARE FEET
COMMON DESCRIPTION
 JEFFERSON JUNIOR HIGH SCHOOL
 7200 JAMES AVENUE
 WOODRIDGE, ILLINOIS
PARKING REQUIREMENTS
 TITLE 9, CHAP. 10, SECTION 9-10-2-1 PART D
 PER TITLE 9, ZONING REGULATIONS, OF THE CODE OF ORDINANCES OF THE VILLAGE OF WOODRIDGE
 REQUIRED PARKING = TWO SPACES PER CLASSROOM
 TOTAL CLASSROOMS = 34
 TOTAL PARKING REQUIRED = 68 SPACES
 EXISTING SPACES = 10
 NEW SPACES = 35
TOTAL PARKING SPACES = 145
 TOTAL ACCESSIBLE SPACES REQUIRED = 5
 PER AMERICAN WITH DISABILITIES ACT (ADA), 1991

TAG	COMMON NAME	BOTANICAL NAME	QTY.	SIZE
SHADE TREES				
T1	EXIST. TREES TO REMAIN	----	----	VARIABLES
T2	RELOCATED TREES	----	4	3"
T3	SUGAR MAPLE	ACER SACCHARUM	7	3"
T4	SHADEMASTER HONEYLOCUST	GLEDTISIA TRIACANTHOS VAR. INERMIS	5	3"
T5	PATMORE GREEN ASH	FRAXINUS PENNSYLVANICA 'PATMORE'	2	3"
ORNAMENTAL TREES				
O1	EXIST. TREES TO REMAIN	----	----	VARIABLES
O2	RELOCATED TREES	----	2	VARIABLES
EVERGREENS				
E1	EXIST. EVERGREEN TO REMAIN	----	----	VARIABLES
E2	UPRIGHT YEW	TAXUS CUSPIDATA 'CAPITATA'	1	6"
E3	AUSTRIAN PINE	PINUS NIGRA	6	6"
E4	WEeping NORWAY SPRUCE	PICEA ABIES 'PENDULA'	8	6"
DECIDUOUS SHRUBS				
S1	EXIST. SHRUB TO REMAIN	----	----	VARIABLES
S2	VARIEGATED DOGWOOD	CORNUS ALBA 'ELEGANTISSIMA'	6	1 GAL.
S3	COMPACT BURNING BUSH	EUONYMUS ALATUS 'COMPACTUS'	4	1 GAL.
S4	SEATTLE PINK AND FORSYTHIA	FORSYTHIA INTERMEDIA 'SEATTLE FARRAND'	12	1 GAL.
S5	BLACK CHOKEBERRY	ARONIA MELANOCARPA	15	2 1/2"
GROUND COVER				
G1	BOSTON IVY	PARTHENOCISSUS TRICUSPIDATA	40	6" SPA.



7-11-97 REISSUED FOR VILLAGE REVIEW
 3-30-97 REISSUED FOR VILLAGE REVIEW
 6-10-96 REISSUED FOR VILLAGE REVIEW
 DATE: 1.25.96



WOODRIDGE SCHOOL DISTRICT #68

JEFFERSON JUNIOR HIGH SCHOOL REMODELING AND ADDITION

LANDSCAPE PLAN

PROJECT SHEET
 02-4700-10
 SCALE
 1" = 40'-0"
 DATE
 5-23-96
L1.0