



US Army Corps
of Engineers
St Paul District

SPONSOR: Leon Enres

Public Notice

ISSUED: October 8, 2021

EXPIRES: November 8, 2021

REFER TO: MVP-2020-00605-MJB

SECTION:404 - Clean Water Act

1. WETLAND COMPENSATORY MITIGATION BANK PROPOSAL
2. SPECIFIC INFORMATION

SPONSOR'S ADDRESS: 1505 Rivershore Drive
Hastings, MN 55033

SPONSOR'S AGENT Westwood Professional Services
c/o: Matthew Vollbrecht
3701 12th Street N, Suite 206
St. Cloud, MN 56301

PROJECT LOCATION: The project site is located in Section 1, Township 112 North, Range 20 West, Dakota County, Minnesota. The approximate center coordinates are Latitude 44.533411 N, Longitude -93.117442 W.

BANK SERVICE AREA: The proposed bank service area is the Lower Minnesota River Basin in Minnesota (BSA 8).

DESCRIPTION OF PROJECT: The sponsor is proposing to develop the Endres Wetland Bank, approximately 163 acres in size, including upland buffer areas. The site currently has several CRP contracts in place but are expected to end or be terminated prior to restoration activities taking place. The bank site is shown on the enclosed figures labeled MVP-2020-00605-MJB MB Public Notice Page 1-17 of 17.

NEED AND OBJECTIVE OF PROJECT: The project proposes to restore 114.38 acres of sedge meadow wetlands in BSA 8 and increase water quality benefits to downstream waters. In addition, 46.29 acres of upland buffer are proposed to be created surrounding the restored wetlands. The Cannon River Watershed has limited compensatory mitigation credits available for future impacts to aquatic resources. Westwood Professional Services expects the need for wetland compensatory mitigation credits to increase in the area.

ESTABLISHMENT, OPERATION AND MANAGEMENT: The sponsor proposes to restore 114.38 acres of partially drained wetland to become sedge meadow wetland and establish 46.29 acres of upland buffer. The sponsor proposes to restore wetland hydrology by breaking tile, installing ditch plugs, and backfilling the remainder of a private north-south linear ditch. Separate from the north-south linear ditch, is a straightened channel that bisects the property. The proposal includes stripping off the organic topsoil approximately 3 feet to the depth of the mineral subsoil in areas where there is a lateral hydrology effect from the straightened channel that bisects the project. Mineral soil is

proposed to be placed over this area and compacted to form 2:1 slopes to form a core-berm. Organic soils are proposed to be placed over-top of the compacted soils to a final 10:1 slope.

Site preparation, seeding, and long-term invasive species control will occur with an adaptive management plan. The sponsor expects the native vegetation to become well-established and resistant to invasive species in the long term. The expected seed mix is identified as both Wet Meadow and Sedge Meadow for the sedge meadow wetlands. Areas with established reed canary grass are proposed to be seeded with a Wetland Edge/Transition-Clethodim/Sethoxydim Resistant Mix. Weed treatment and inspection is expected to occur for non-native or invasive species from May to August in the first year, with spot treatment continuing through five years.

The proposed credit allocation table is provided in the enclosed figure labeled MVP-2020-00605-MJB MB Public Notice Page 15 of 17.

OWNERSHIP AND LONG-TERM MANAGEMENT: The bank site is proposed to be managed long term by Endres Holdings, the property owner, with Leon Endres as the bank sponsor. Endres Holdings is planning to retain ownership of the property and will be responsible for the long-term management and maintenance of the restoration. Credit sales would be tracked by the sponsor and reported to the state as required by state law. The reported credit releases and sales would be tracked on both Corps and state databases using ledger data supplied by the state. By state law, long-term management of the property would be the responsibility of the landowner and the sponsor until all released credits have been debited. After all credits are debited, long-term management obligations would fall to the landowner under state law. Additional protections and management limitations would be spelled out in both a conservation easement and in an approved bank plan.

TECHNICAL FEASIBILITY AND QUALIFICATIONS: The agent and sponsor have assessed conditions of the site and developed a wetland banking plan. The agent believes the soils, hydrology, and topography of the site will support the wetlands proposed to be restored. Per the sponsor, the agent will hire qualified professionals for the native vegetation seeding and maintenance. Westwood Professional Services has worked through the permitting process on several banks in Minnesota in Aitkin, Clay, and Stearn Counties and state that they have successfully incorporated similar techniques as what is proposed for the Endres Wetland Bank.

ECOLOGICAL SUITABILITY: Per the agent, the site has hydric soils, a straightened channel that bisects the area, a north-south linear ditch, drainage tile, shallow groundwater table, and has been row cropped. Removal of the spoils along the straightened channel that bisects the site will allow unimpeded water flow from the watercourse into the wetlands during high flows. The characteristics of the site indicate the area has partially drained hydrology and is suitable for wetland restoration. The agent states the wetlands restored will be similar in function to historic wetlands that existed in the watershed and have been impacted by agricultural practices.

HYDROLOGY: The site has a north-south linear open ditch, underground tile, and a straightened channel that bisects the site that provide surface and subsurface hydrology to the proposed restoration area. The open north-south ditch will be filled, the drain tile throughout the site will be broken, the existing berms alongside the straightened channel will be removed, and a soil core is proposed to be constructed parallel to the straightened channel. The soil core is proposed to allow for high flows in the channel to overflow into the wetland areas but prevent drainage of the wetland soils to the straightened channel. These actions are expected to restore wetland hydrology to the site. The agent completed a hydrologic study and concluded that the project would not have an adverse effect on neighboring properties.

CURRENT LAND USES: The proposed project site is partially in agricultural commodity crop

Regulatory Branch (File No. MVP-2020-00605-MJB)

production and partially enrolled in the Conservation Reserve Program (CRP). The applicant expects to end the CRP contracts to pursue wetland restoration through the wetland banking program. The surrounding land use is also dominated by row crop agriculture. The southern border of the site abuts a county road. The north, east, and west borders abut agricultural fields.

COORDINATION WITH RESOURCE AGENCIES: This project has been coordinated with the following members of the Interagency Review Team (IRT) and other resource agencies: Minnesota Board of Water and Soil Resources, Minnesota Department of Natural Resources, and the U.S. Environmental Protection Agency.

3. FEDERALLY-LISTED THREATENED OR ENDANGERED WILDLIFE OR PLANTS OR THEIR CRITICAL HABITAT

The U.S. Fish and Wildlife Service Information for Planning and Consultation (IPaC) identified the following Federally listed species as having potential to be in the area:

Northern Long-Eared Bat	Hibernates in caves and mines – swarming in surrounding wooded areas in autumn. Roosts and forages in upland forests during spring and summer.
Prairie Bush-clover	Found in tallgrass prairie regions.

4. JURISDICTION

This proposal is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act identified in the Regulatory Guidance Letter 16-01.

5. HISTORICAL/ARCHAEOLOGICAL:

The Corps will review information on known cultural resources and/or historic properties within and adjacent to the project area. The Corps will also consider the potential effects of the project on any properties that have yet to be identified. The results of this review and the Corps' determination of effect will be coordinated with the State Historic Preservation Officer independent of this public notice. Any adverse effects on historic properties will be resolved prior to the Corps authorization of the work in connection with this project.

6. PUBLIC HEARING REQUESTS

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, in detail, the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided or if there is otherwise no valid interest to be served.

7. REPLIES/COMMENTS

Interested parties are invited to submit to this office written facts, arguments, or objections by the expiration date above. These statements should bear upon the suitability of the location and the adequacy of the project and should, if appropriate, suggest any changes believed to be desirable. Comments received may be forwarded to the applicant. A copy of the full prospectus submitted by the Sponsor is available to the public for review upon request.

Regulatory Branch (File No. MVP-2020-00605-MJB)

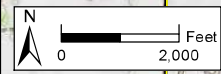
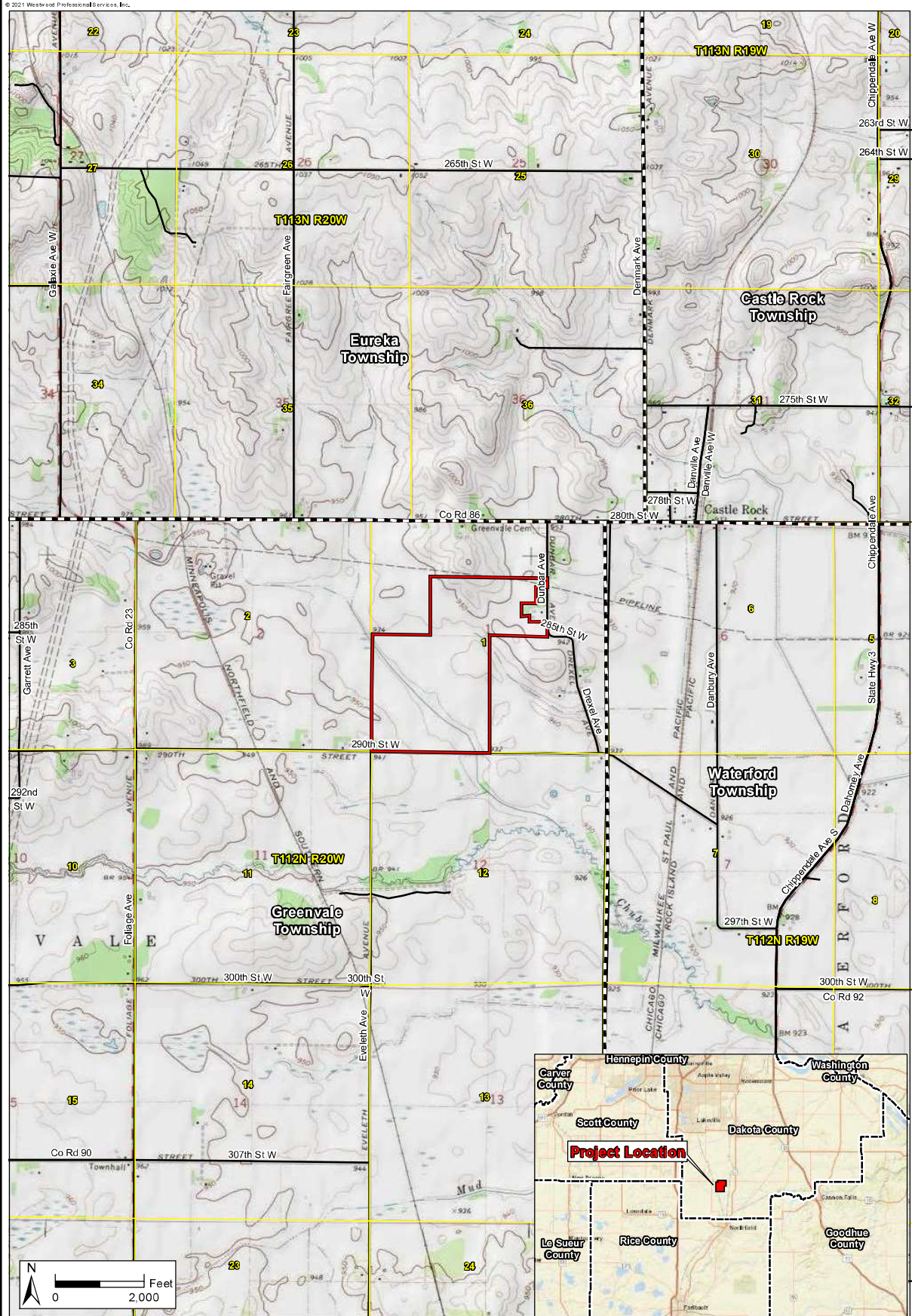
Replies may be addressed to:

Regulatory Division
St. Paul District Corps of Engineers
c/o Meghan Brown
1114 South Oak Street
La Crescent, MN 55947-1560
Meghan.J.Brown@usace.army.mil

Or, IF YOU HAVE QUESTIONS ABOUT THE PROJECT, call Meghan Brown at the La Crescent office of the Corps, telephone number 651-290-5688.

To receive Public Notice notifications, go to: <https://www.mvp.usace.army.mil/Contact/RSS/> and subscribe to the RSS Feed for which you would like to receive Public Notices.

Enclosure



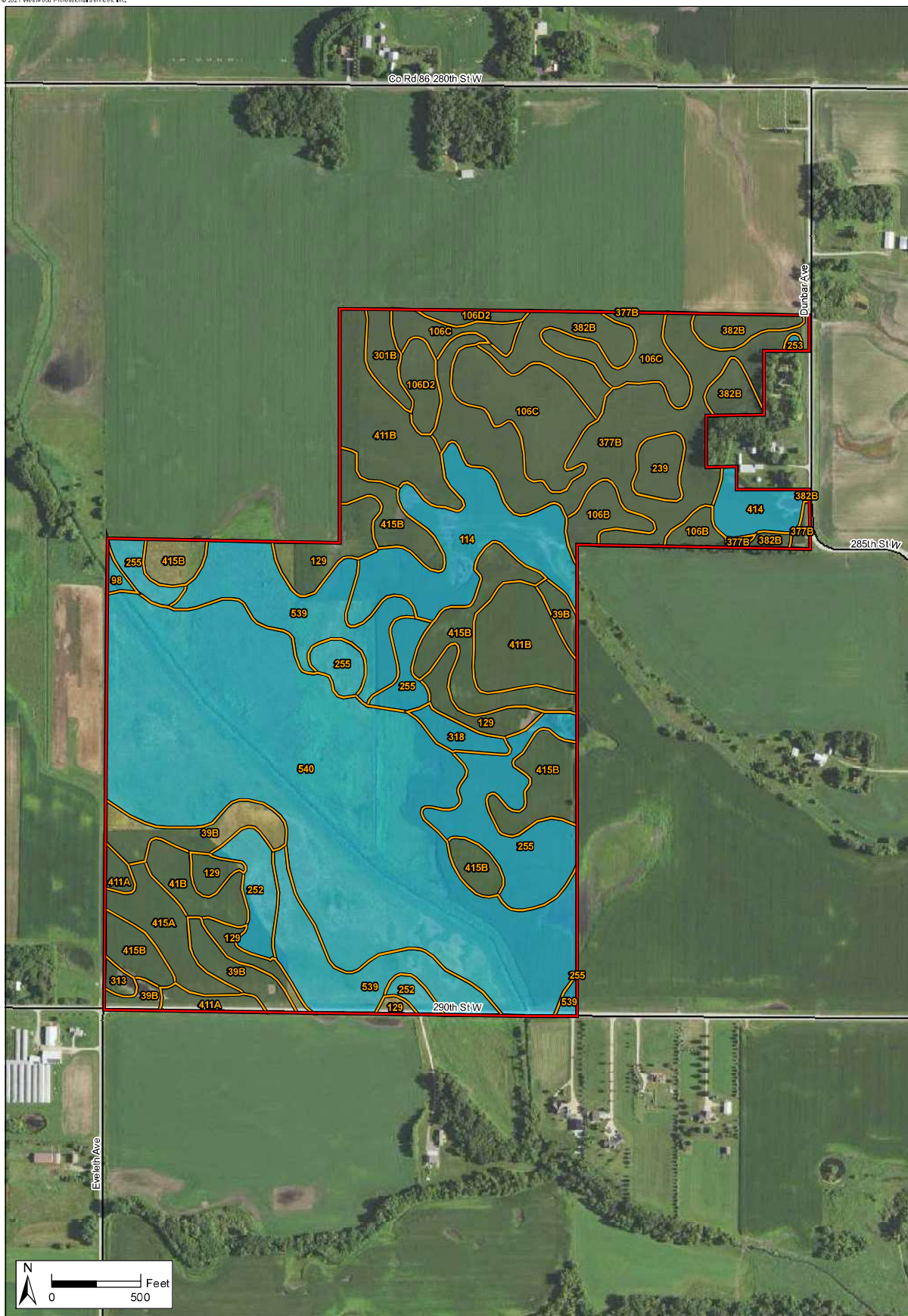
Data Sources: Westwood (2021); ESRB WMS
 Web 2.0 and USGS Topography Exchange
 (Accessed 2021); US Census Bureau (2016).
Westwood
 Toll Free (888) 937-9150 westwoodps.com
 Westwood Professional Services, Inc.

- Legend**
- Project Boundary
 - City/Civil Township Boundary
 - County Boundary
 - PLS Township Boundary
 - Major Road
 - PLS Section Boundary

Endres Wetland Bank
 Dakota County, Minnesota

Site Location

EXHIBIT 1



Data Sources: Westwood (2021); S&R WMS
 Wetland Inventory Database (Accessed 2021); U.S.
 Census Bureau (2018); SSURGO Soil Survey
 (2021).

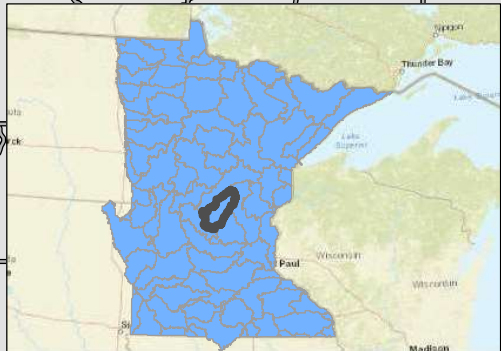
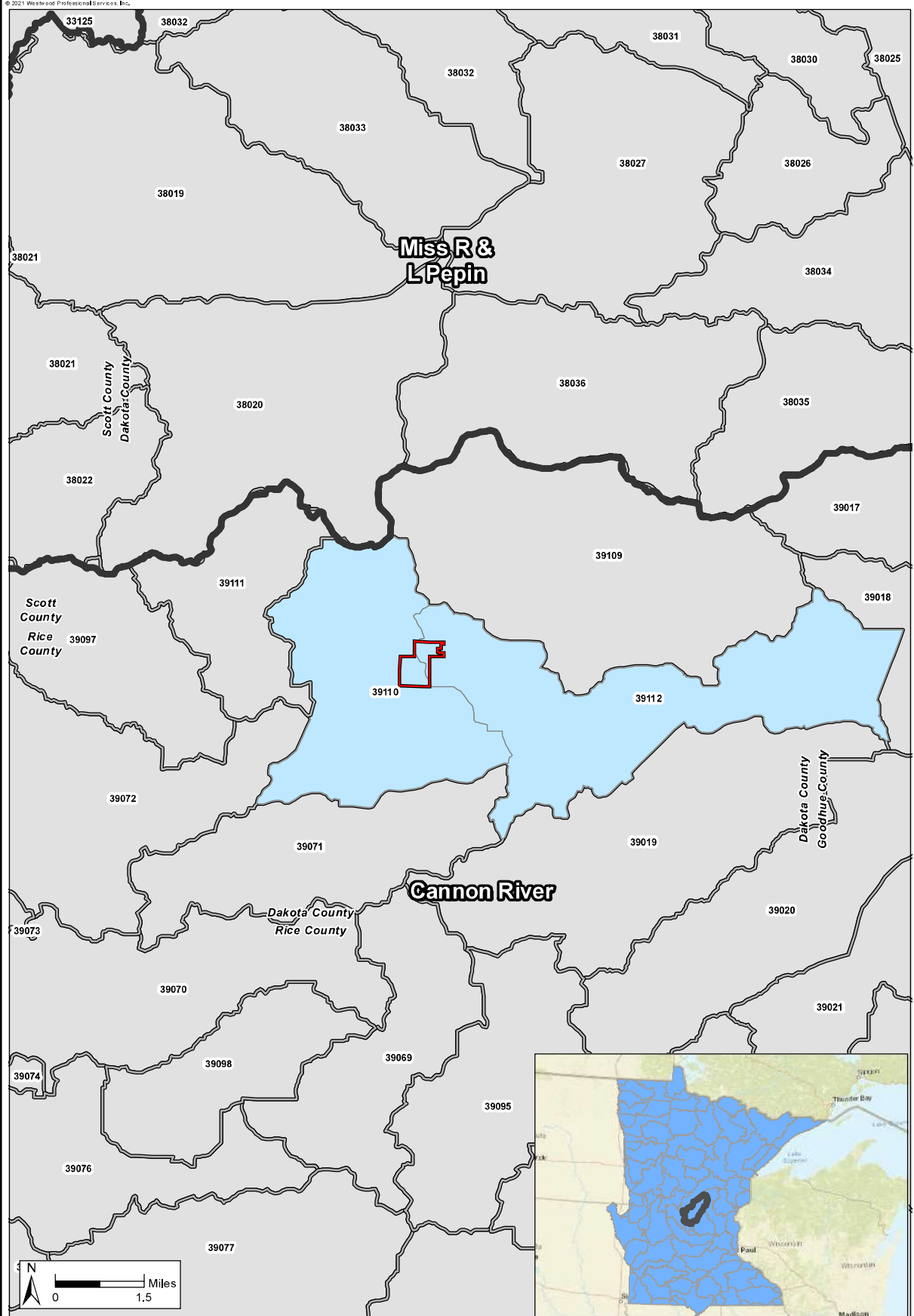
Legend

- Project Boundary
- Soil Unit Boundary
- Major Road
- All Hydric/Predominantly Hydric Soil

Endres Wetland Bank
 Dakota County, Minnesota

Soils

EXHIBIT 4



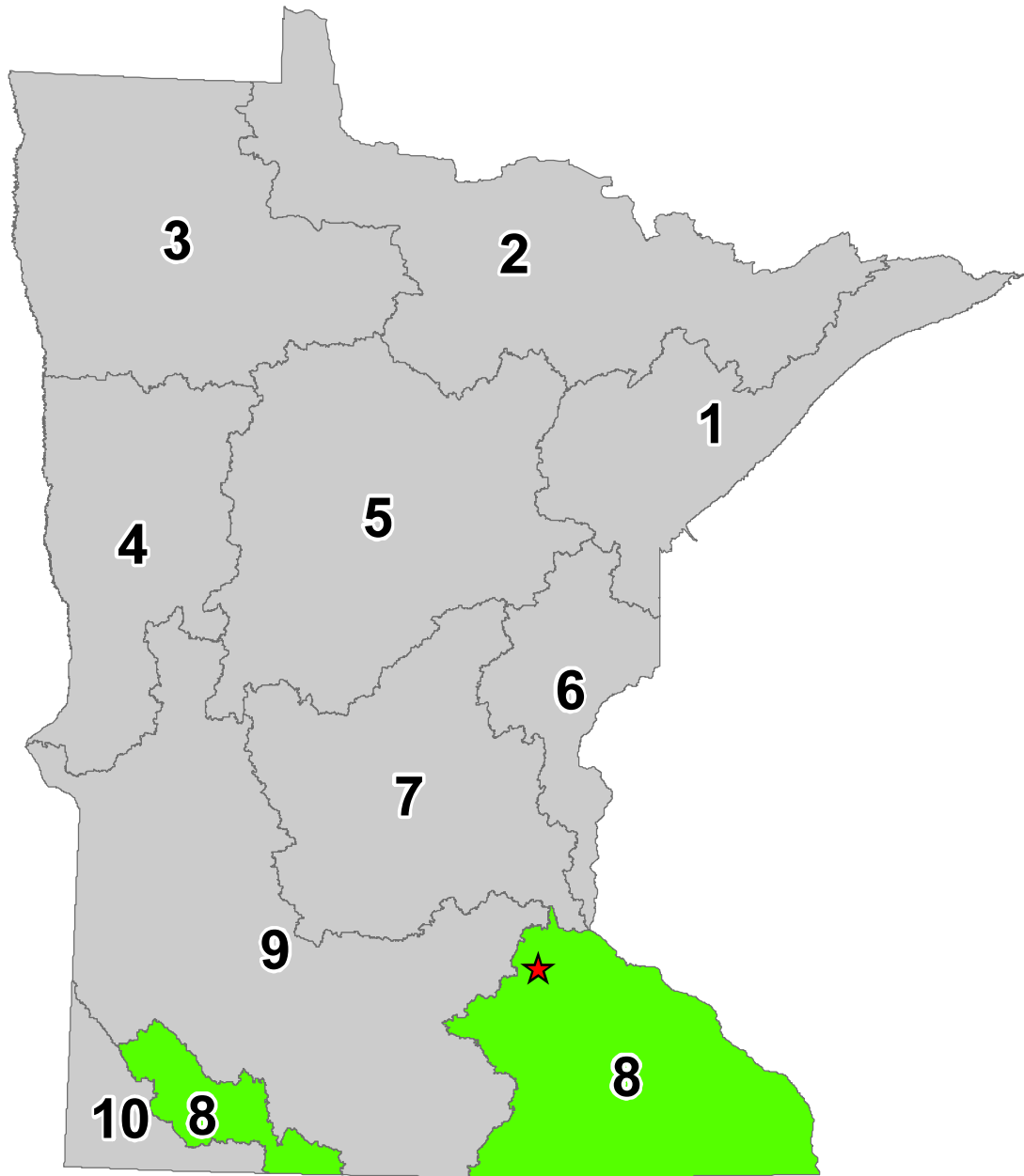
Endres Wetland Bank
 Dakota County, Minnesota

- Legend**
- Project Boundary
 - Major Watershed #39
 - Surrounding Minor Watersheds
 - Minor Watershed #39110 & #39112

Minor Watershed Location




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EXHIBIT 5a



Data Sources: Westwood (2021), U.S. Census Bureau (2010), Minnesota Board of Water and Soil Resources WBSA (2007).

Legend

-  Project Location
-  Other Bank Service Areas
-  Bank Service Area 8

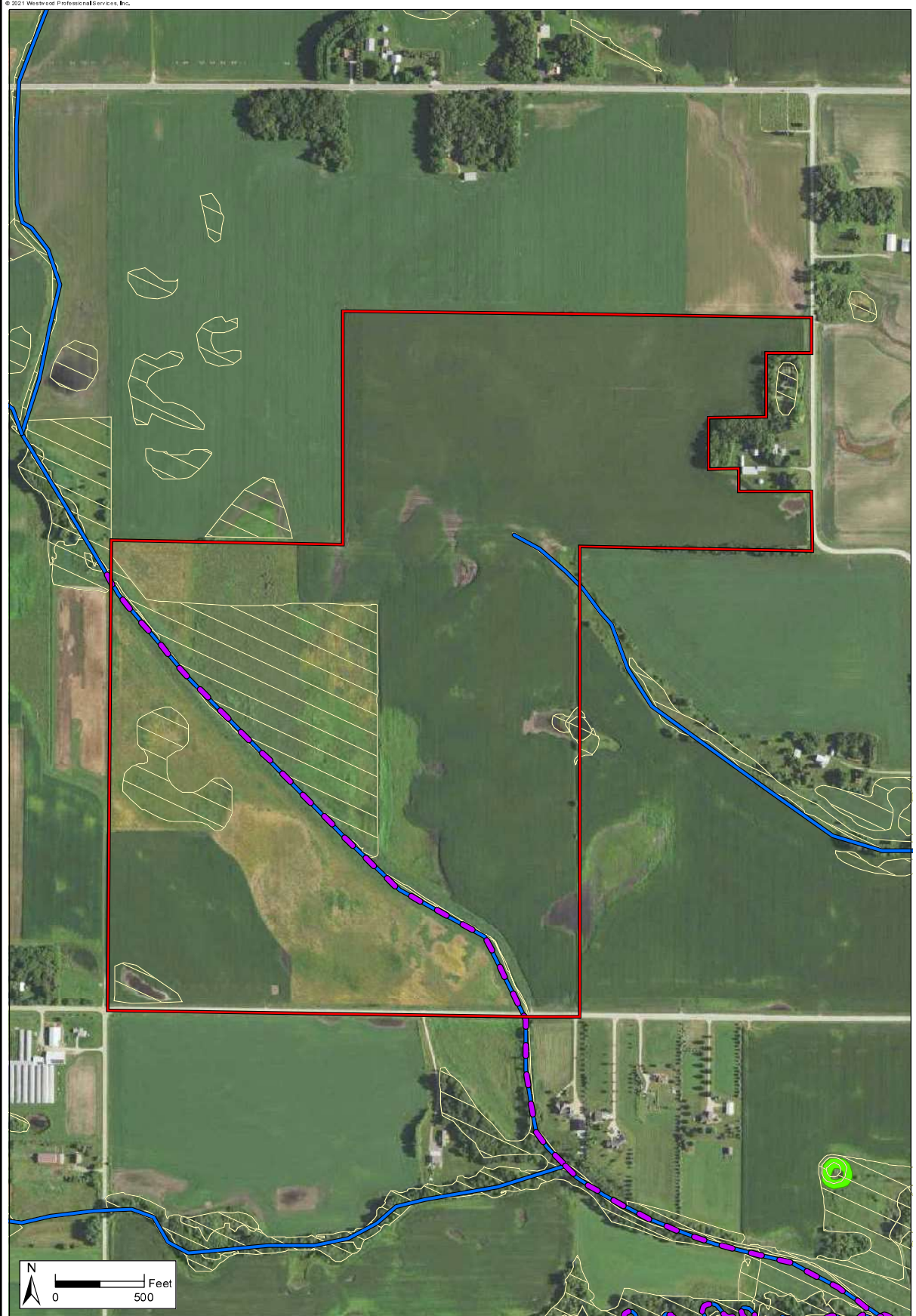
Endres Wetland Bank

Dakota County, Minnesota

Bank Service Area Location

Westwood
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Westwood Professional Services, Inc.

EXHIBIT 5b



Data Sources: Westwood (2021); WMS
 WGS 84 Aerial Photography (Accessed 2020);
 Minnesota DNR - Minerals Division/Section of
 Wildlife (2017); USFWS IBIW (2019); USGS
 NHD Dataset (2015); U.S. Census Bureau
 (2016).

Legend

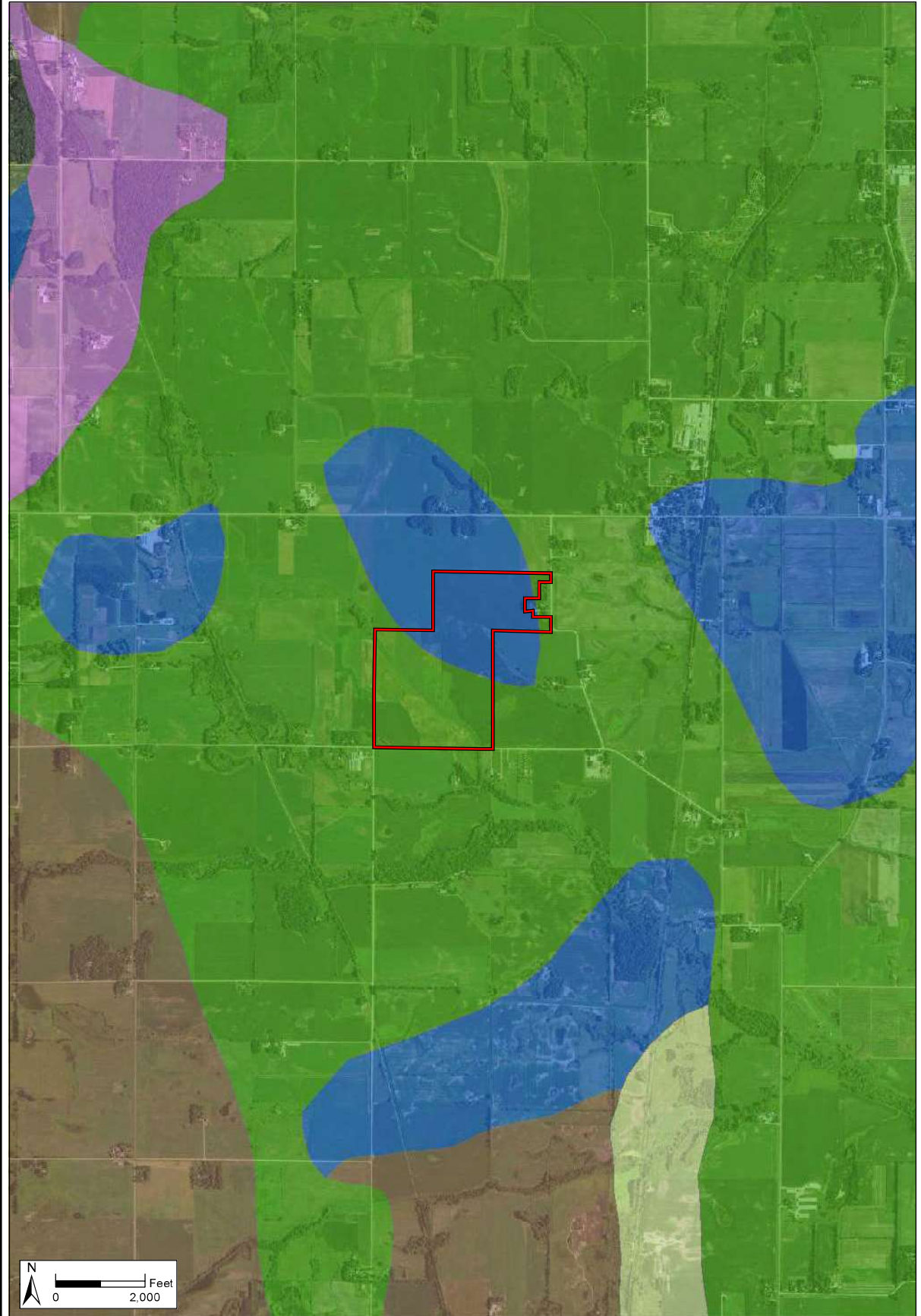
- Project Boundary
- NWM Wetland
- DNR Public Waterbody
- DNR Public Watercourse
- NHD Flowline
- NHD Waterbody

Endres Wetland Bank
 Dakota County, Minnesota

Existing Wetlands

EXHIBIT 6

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Data Sources: Westwood (2021); WMS
WFO; Aerial Photography (Access 2020);
Minnesota DNR - Division of Forestry (1994).

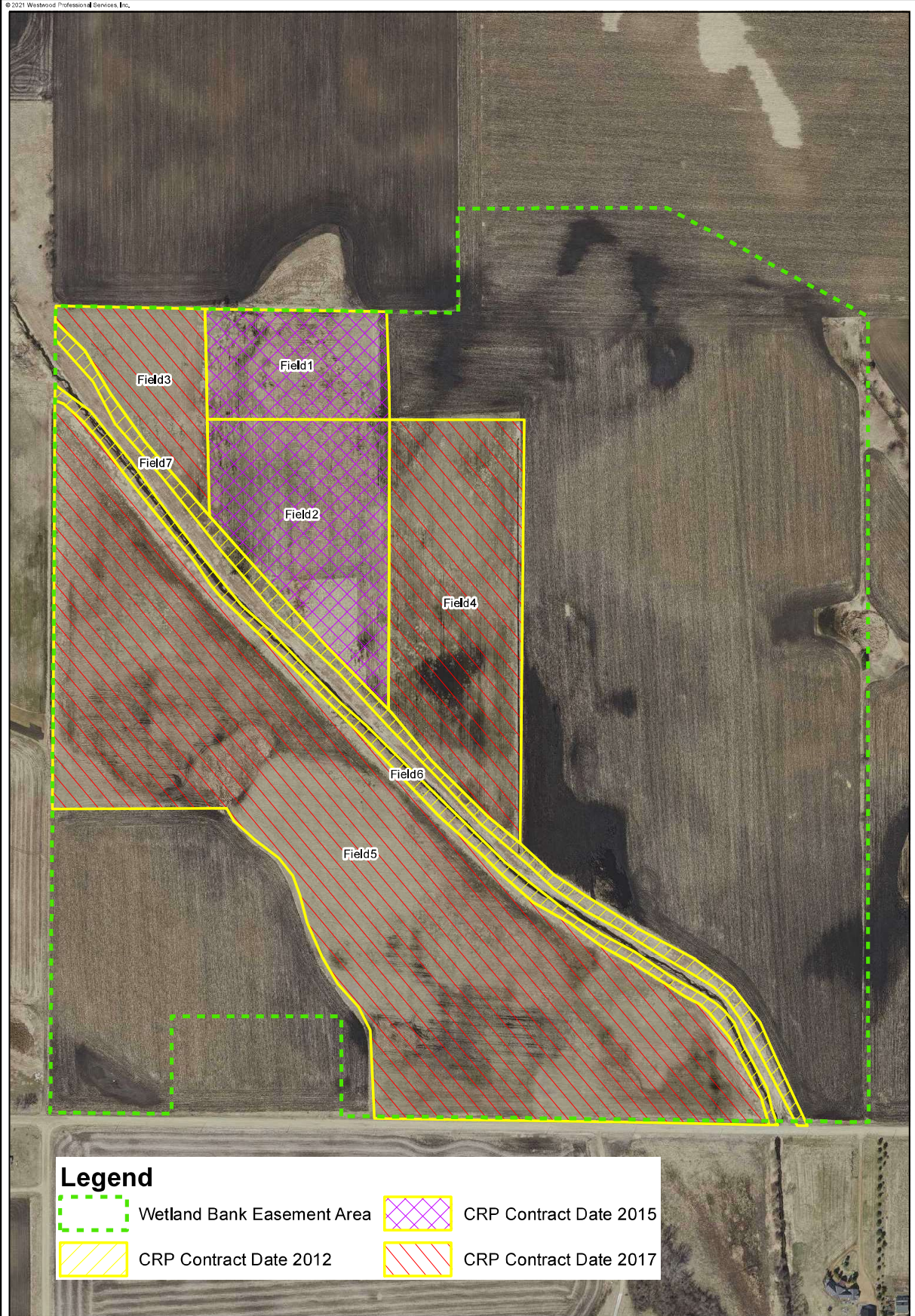
Westwood
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- Legend**
- Project Boundary
 - Aspen-Oak Land
 - Big Woods - Hardwoods (oak, maple, basswood, hickory)
 - Conifer Bogs and Swamps
 - Oak openings and barrens
 - Prairie
 - River Bottom Forest
 - Wet Prairie





Endres Wetland Bank
Dakota County, Minnesota

Early Settlement Vegetation


EXHIBIT 7



Legend

-  Wetland Bank Easement Area
-  CRP Contract Date 2015
-  CRP Contract Date 2012
-  CRP Contract Date 2017

Data Source(s): Westwood (2021); WMS
WinCo - Aerial Photography (Accessed 2/20/20)
Minnesota DNR - Division of Forestry (1994)

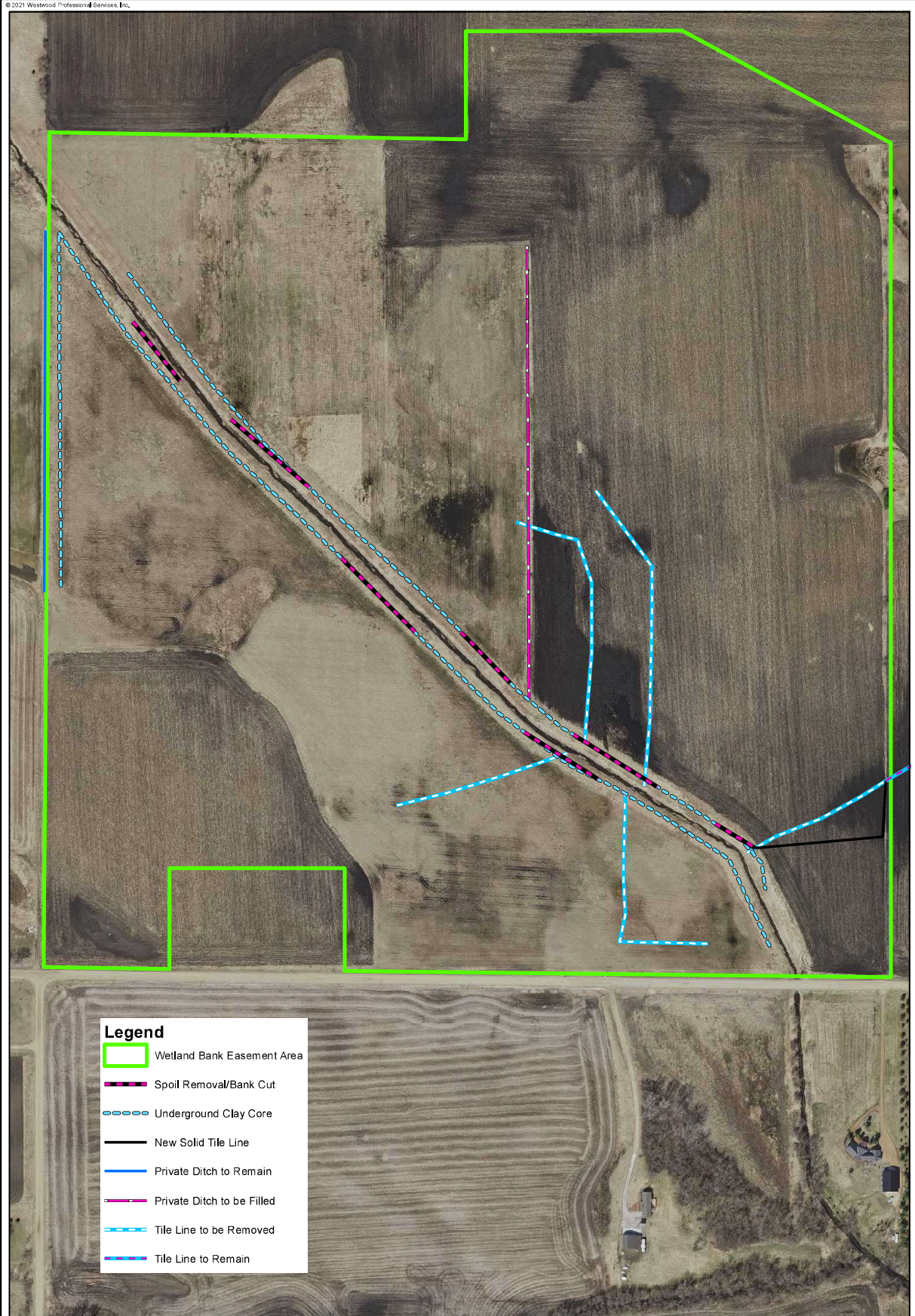


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Westwood Professional Services, Inc.

Endres Wetland Bank
Dakota County, Minnesota

CRP Contract Areas
and CRP Contract Dates

EXHIBIT 9



Legend

- Wetland Bank Easement Area
- Spoil Removal/Bank Cut
- Underground Clay Core
- New Solid Tile Line
- Private Ditch to Remain
- Private Ditch to be Filled
- Tile Line to be Removed
- Tile Line to Remain

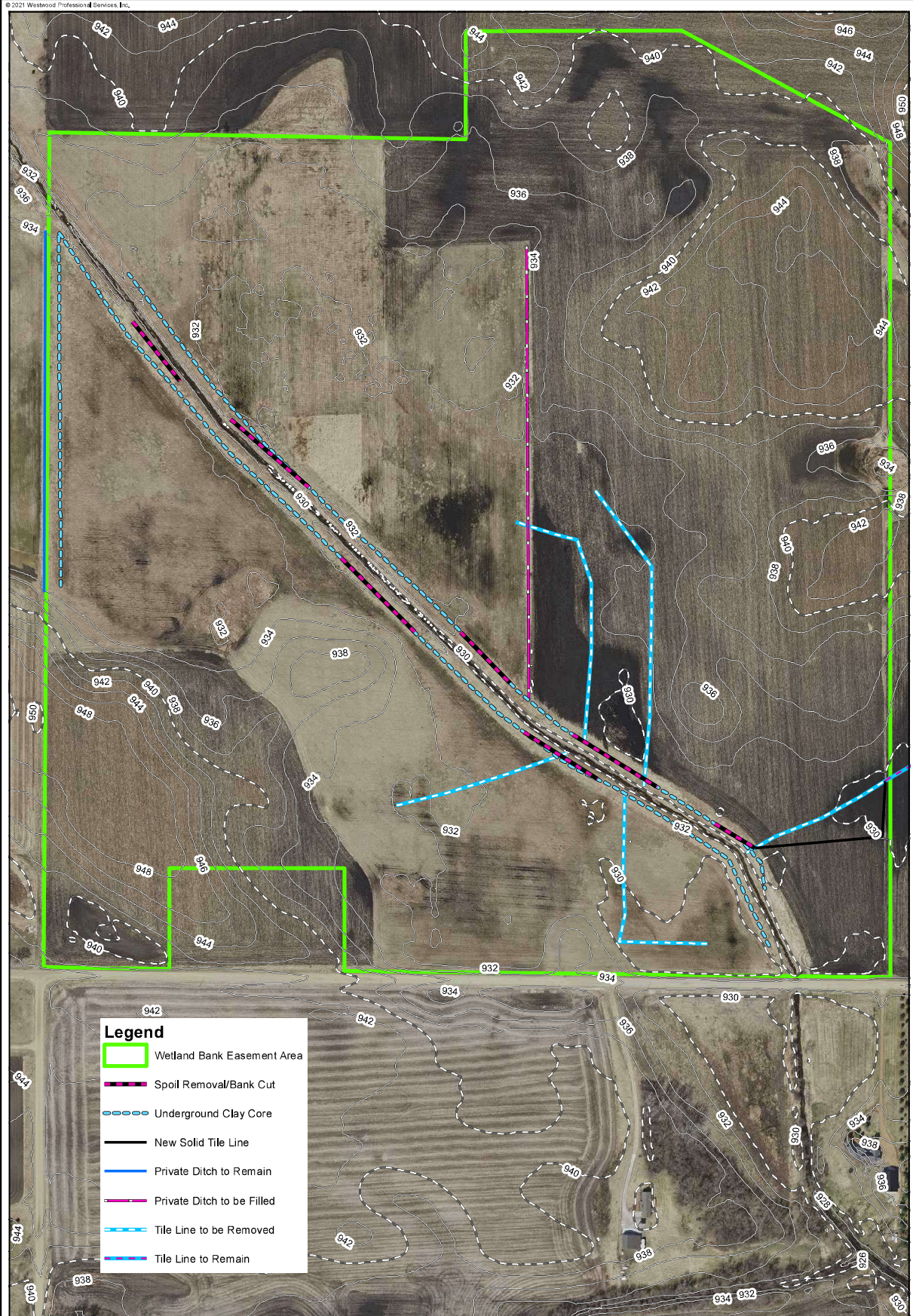
Data Source(s): Westwood (2021); WMS
WinDoc - Aerial Photography (Accessed 2/20/20)
Minnesota DNR - Division of Forestry (1994)

0 300 Feet

Westwood
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Endres Wetland Bank
Dakota County, Minnesota
**Wetland Bank
Concept Plan**

EXHIBIT 10a



Legend

- Wetland Bank Easement Area
- Spoil Removal/Bank Cut
- Underground Clay Core
- New Solid Tile Line
- Private Ditch to Remain
- Private Ditch to be Filled
- Tile Line to be Removed
- Tile Line to Remain

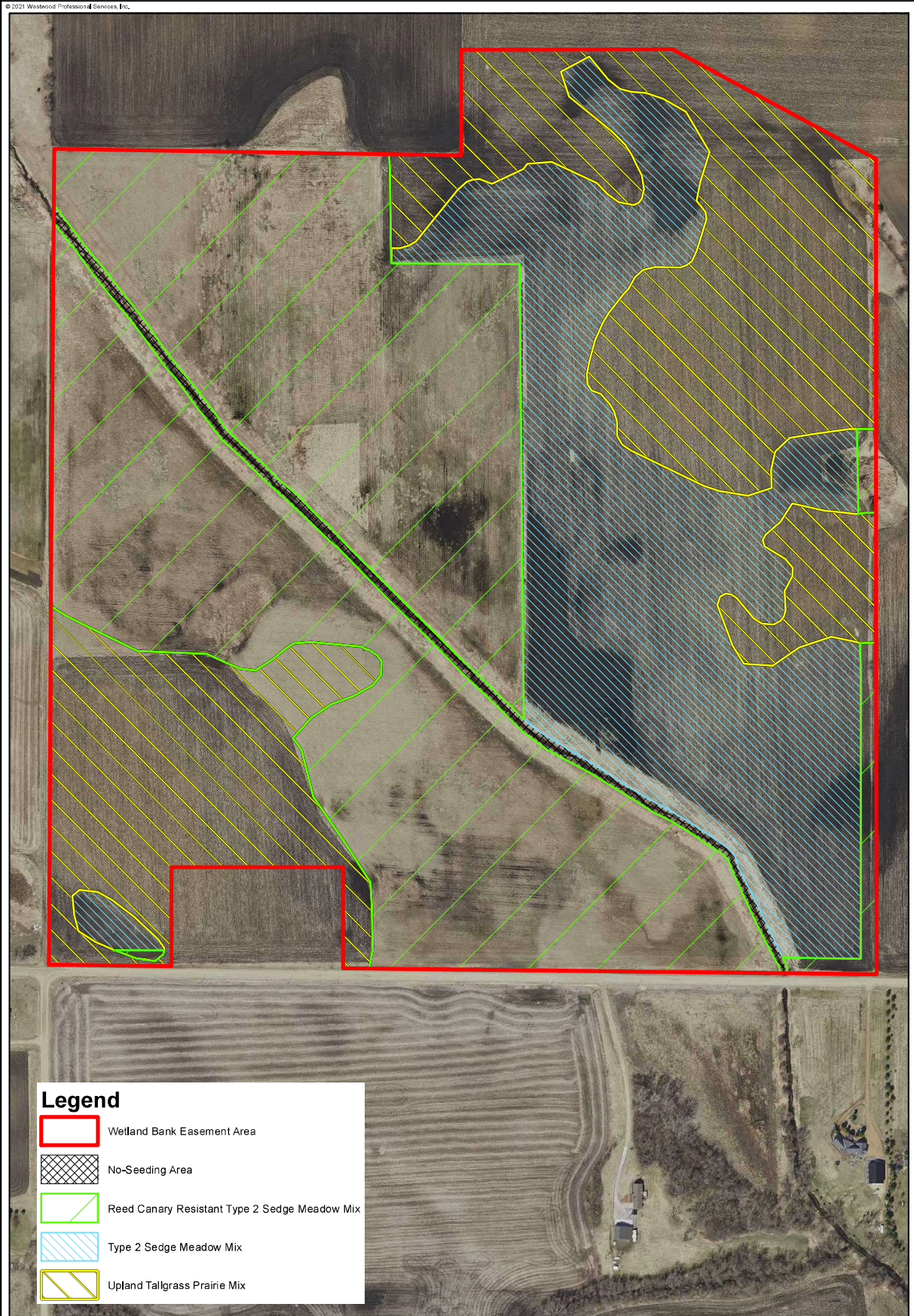
Data Source(s): Westwood (2021); WMS
 Wetland Aerial Photography (Accessed 2/20/20)
 Minnesota DNR - Division of Forestry (1994)

0 300 Feet






Westwood
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Endres Wetland Bank
 Dakota County, Minnesota
Wetland Bank Concept Plan
 With Lidar Contours

EXHIBIT 10b



Legend

-  Wetland Bank Easement Area
-  No-Seeding Area
-  Reed Canary Resistant Type 2 Sedge Meadow Mix
-  Type 2 Sedge Meadow Mix
-  Upland Tallgrass Prairie Mix

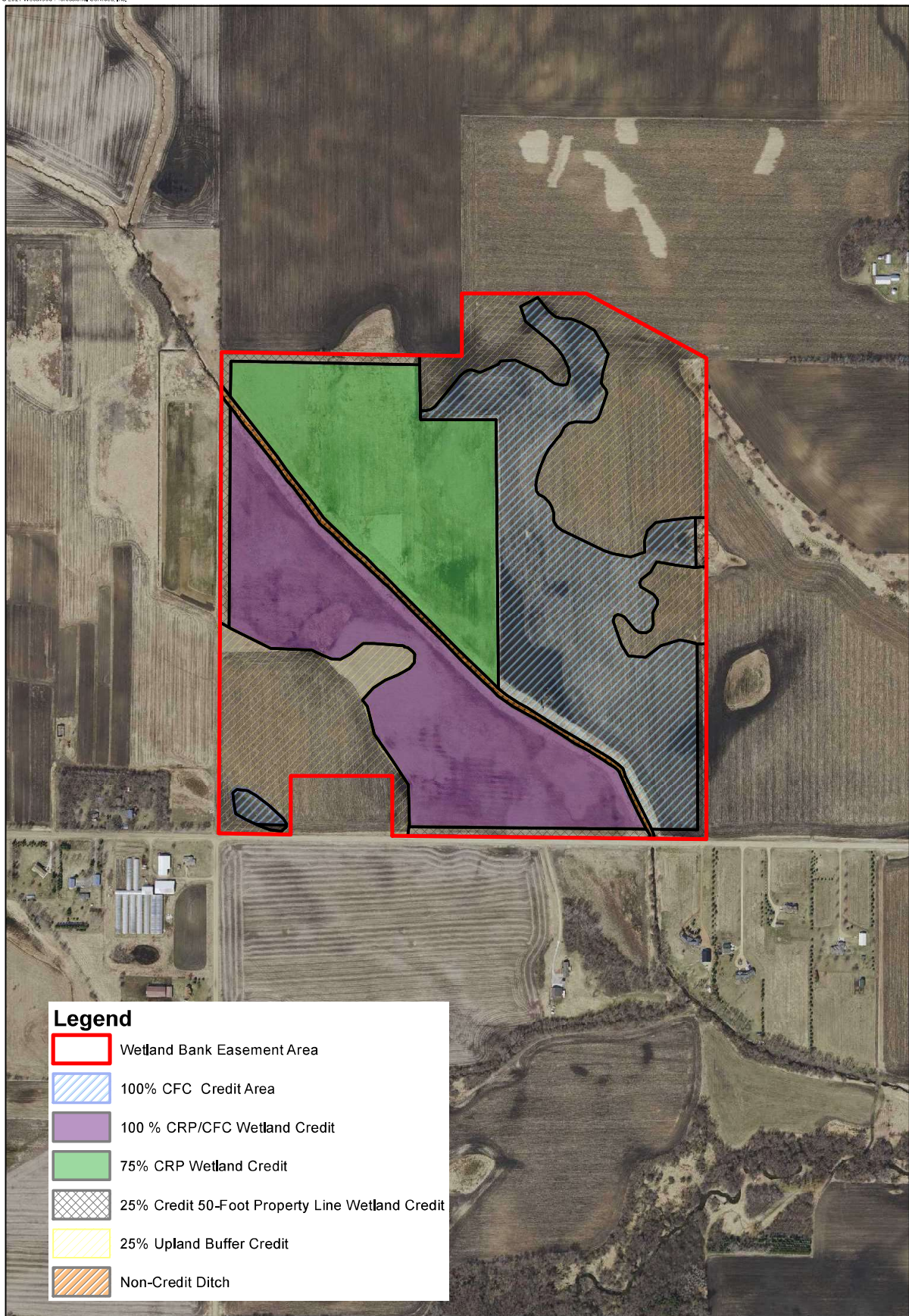
Data Source(s): Westwood (2021); WMS
WinDoc Aerial Photography (Accessed 2/20)
Minnesota DNR - Division of Forestry (1994)

  Feet
0 300

Westwood
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Westwood Professional Services, Inc.

Endres Wetland Bank
Dakota County, Minnesota
Wetland Bank Seeding Plan

EXHIBIT 11



Legend

- Wetland Bank Easement Area
- 100% CFC Credit Area
- 100 % CRP/CFC Wetland Credit
- 75% CRP Wetland Credit
- 25% Credit 50-Foot Property Line Wetland Credit
- 25% Upland Buffer Credit
- Non-Credit Ditch

Data Source(s): Westwood (2021); WMS
WinDoc Aerial Photography (Accessed 2/20/21)
Minnesota DNR - Division of Forestry (1994)

Feet
0 300






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Westwood Professional Services, Inc.

Endres Wetland Bank
Dakota County, Minnesota
Wetland Bank
Crediting Plan


EXHIBIT 12



Legend

 Wetland Bank Easement Area	 Timed Meander Survey Starting Point
 Type 2 Sedge Meadow	 Proposed Monitoring Well Location
 Upland Tallgrass Prairie	

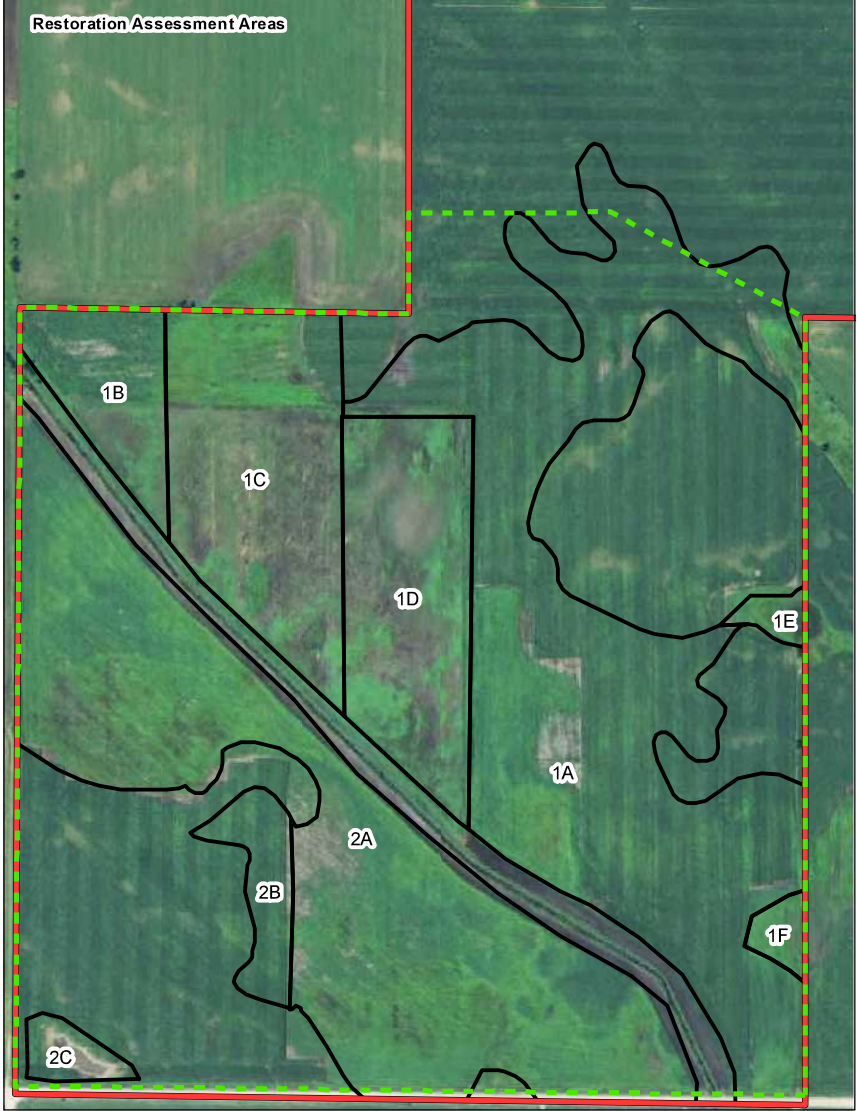
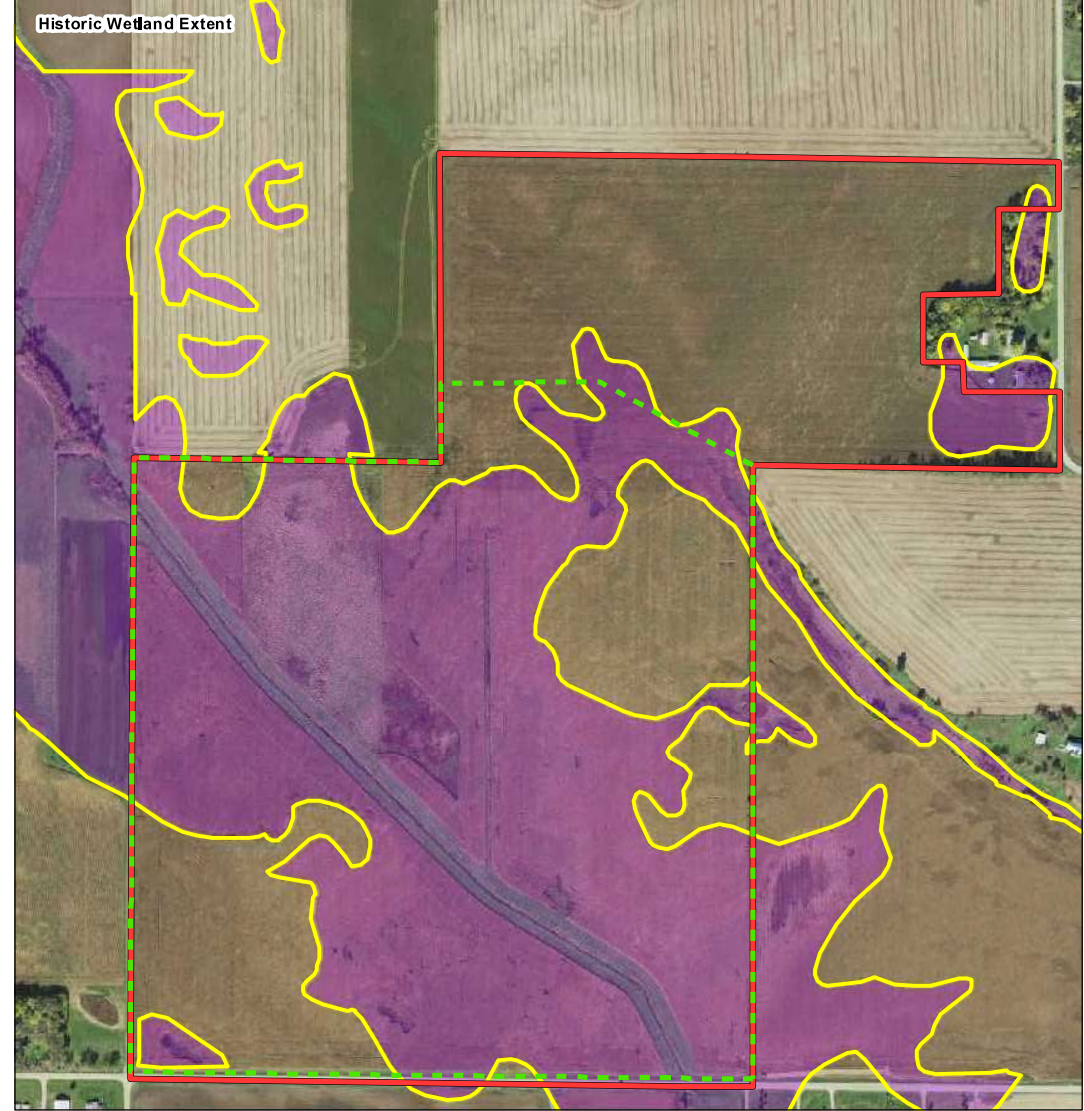
Data Source(s): Westwood (2021); WMS
WinCo; Aerial Photography (Accessed 2020);
Minnesota DNR - Division of Forestry (1994)

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Endres Wetland Bank
Dakota County, Minnesota
**Wetland Bank
Monitoring Plan**

EXHIBIT 13



Data Source(s): USDA FSA Aerial (LMC WMS Srs. accessed 2020)



Legend

- Wetland Bank Easement Area
- Project Boundary
- Historic Wetland Extents

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 Westwood Professional Services, Inc.

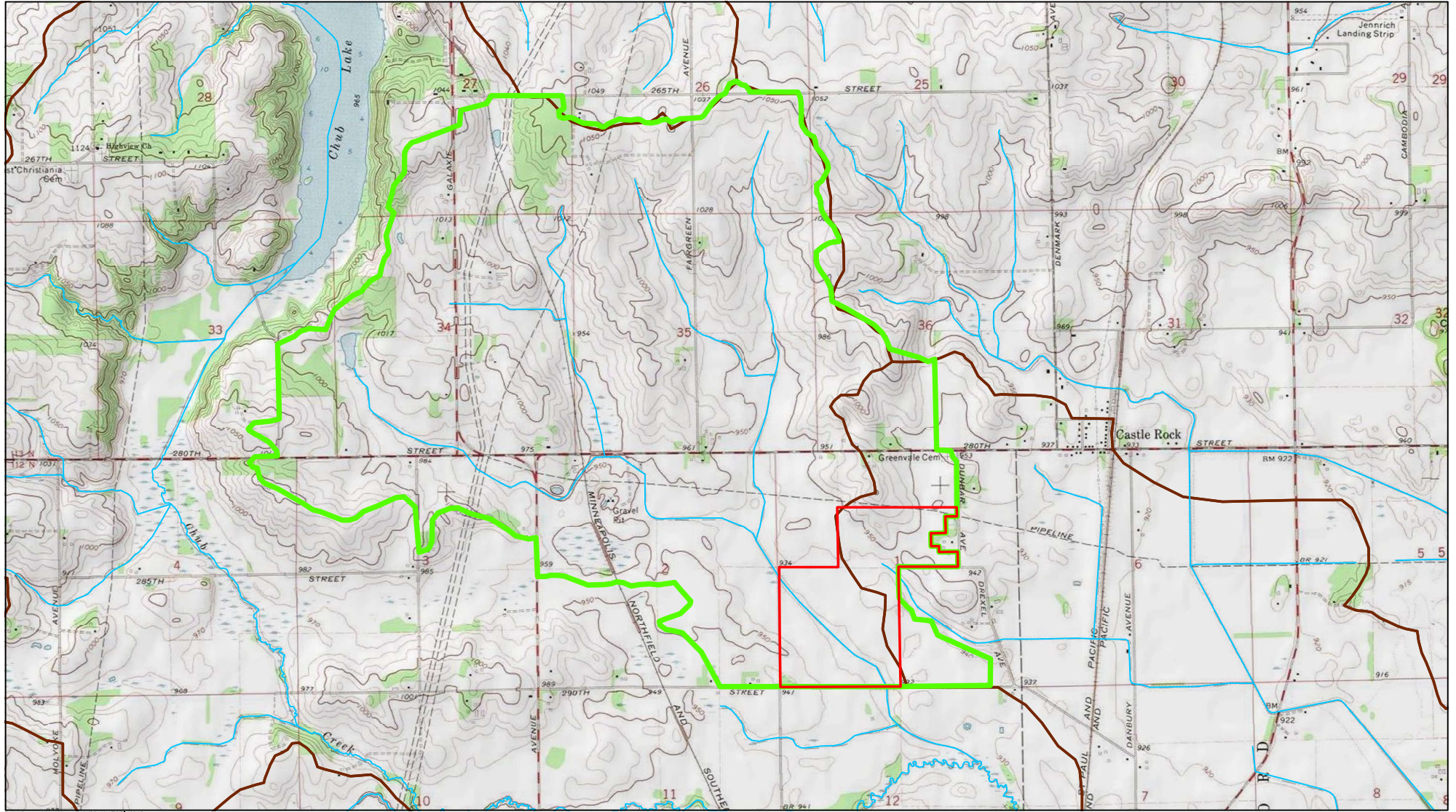
Endres Wetland Bank

Dakota County, Minnesota

Phase I Cultivated Wetland Credit Assessment

Sheet 1 of 5-Aerial Photography

Step 1-Estimating Size and Extent of Areas Proposed for Restoration



Data Source(s): Westwood (2018), ESRI WMS
Westwood (2018), Streets Basemap Imagery (Accessed 2018).

Legend

- Project Boundary
- Watershed Boundary
- County Boundary
- NHD Flowline
- HUC-12 Boundary

Westwood
 Toll Free (888) 937-6180 westwoods.com
 Westwood Professional Services, Inc.



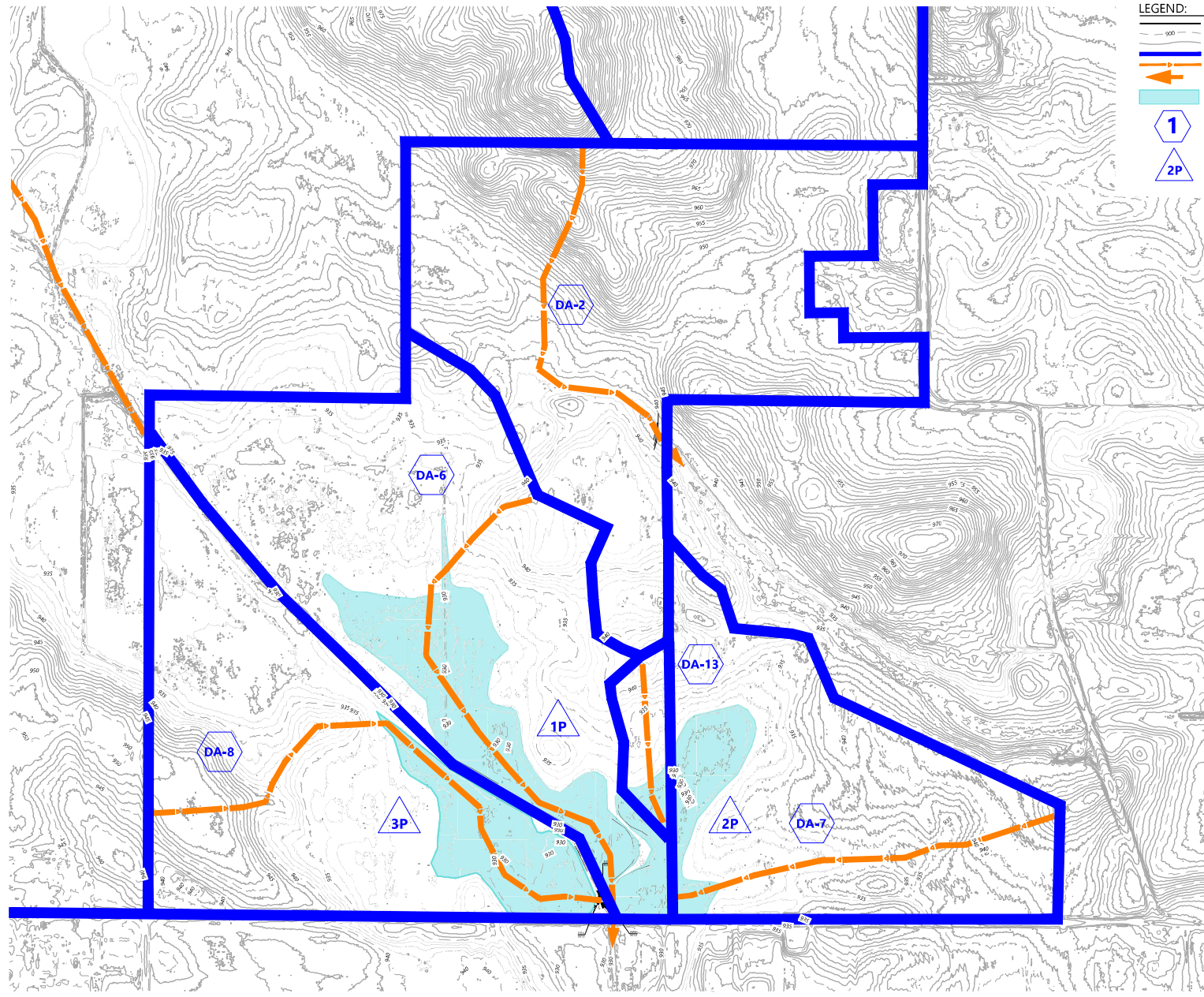
Endres Wetland Bank

Dakota County, Minnesota

Exhibit 2: Base Map

February 03, 2021

Proposed Wetland Credit Generation Table					
Credit Area ID	Proposed Credit Type	Proposed Credit Action	Proposed Credit Ratio	Acreage	Proposed Credit Created
1A	Type 2 Sedge Meadow	Reestablishment-Cultivated Field Method	100%	38.9419	38.9418
1C	Type 2 Sedge Meadow	75% CRP Wetland Credit Hydrology and Vegetative Rehabilitation	75%	31.2626	23.4469
1D	Type 2 Sedge Meadow	25% Credit 50-Foot Property Line Wetland Restoration	25%	3.2823	0.82057
1E	Upland Tallgrass Prairie	25% Upland Buffer	25%	24.7951	6.1988
2A	Type 2 Sedge Meadow	100% CFC Credit Area Hydrology and Vegetative Rehabilitation	100%	0.7680	0.76800
2B	Type 2 Sedge Meadow	Reestablishment-Cultivated Field Method	100%	37.1730	37.1730
2D	Type 2 Sedge Meadow	25% Credit 50-Foot Property Line Wetland Restoration	25%	2.9630	0.7407
2E	Upland Tallgrass Prairie	8420.0526-Subp 2. Upland Buffer Areas	25%	21.4992	5.3747
NC	No Credit Proposed	Non-Credit Public Watercourse	0%	2.4250	0



- LEGEND:**
- PROJECT BOUNDARY
 - EX. INTERVAL CONTOUR
 - EX. INTERVAL CONTOUR
 - PROPOSED ON-SITE DRAINAGE AREA BOUNDARY
 - PROPOSED TIME OF CONCENTRATION LINE
 - DISCHARGE LOCATION
 - 100-YEAR HIGHWATER LEVEL
 - DRAINAGE AREA LABEL
 - WETLAND AREA LABEL

Westwood
 Phone: (202) 253-4495 3701 12th Street North, Suite 200
 Fax: (202) 256-1007 St. Louis, MN 55023
 Toll Free: (800) 271-6495 westwood.com
 Westwood Professional Services, Inc.

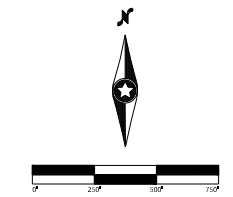
PREPARED FOR:

Endres Wetland Bank, Inc.

5869 222nd St. East
 Hampton, MN 55031

REVISIONS:

#	DATE	COMMENT



Endres Wetland Bank
 Greenvale Township, Dakota County,
 Minnesota

Proposed Drainag
 Map

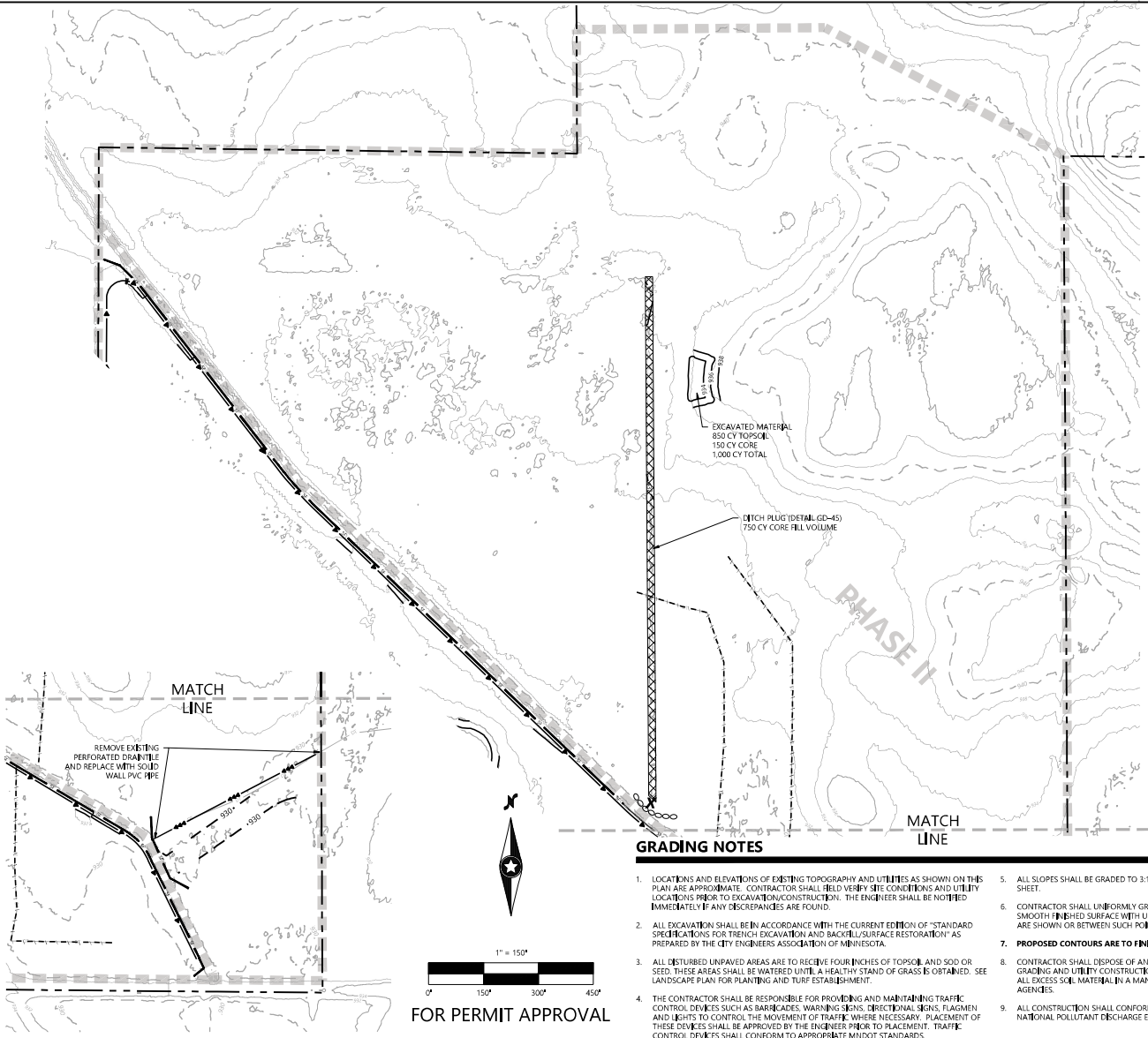
NOT FOR CONSTRUCTION

DATE: 02/08/2021

SHEET: 6A

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MVP-2020-00605-MJB (08/21/2021) DWG



Call 48 Hours before digging:
811 or call811.com
 Common Ground Alliance

LEGEND

EXISTING	PROPOSED	
		PROPERTY LINE
		INDEX CONTOUR
		INTERNAL CONTOUR
		DITCH WATER LEVEL
		SILT FENCE
		BERM/UNDERGROUND CORE
		FLARED END SECTION (WITH RIPRAP)
		RIPRAP
		AREAS OF DITCH FILL
		CULVERT REMOVAL
		PHASE LINE
		RIPRAP OVERFLOW
		DRAIN TILE TO BE REMOVED

GENERAL EROSION CONTROL NOTES

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND LIMITED MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION SHALL NOT BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE OWNER OR ENGINEER OF DISCREPANCIES.
- ALL SILT FENCE AND OTHER EROSION CONTROL FEATURES SHALL BE IN PLACE PRIOR TO ANY EXCAVATION/CONSTRUCTION AND SHALL BE MAINTAINED UNTIL STABLE TURF OR GROUND COVER HAS BEEN ESTABLISHED. EXISTING SILT FENCES ON SITE SHALL BE MAINTAINED AND/OR REMOVED AND SHALL BE CONSIDERED INCIDENTAL TO THE GRADING CONTRACT. IT IS OF EXTREME IMPORTANCE TO BE AWARE OF CURRENT FIELD CONDITIONS WITH RESPECT TO EROSION CONTROL, TEMPORARY PONDING, PILES, HAYBALES, ETC., REGISTERED BY THE CITY SHALL BE INCIDENTAL TO THE GRADING CONTRACT.
- EROSION AND SILTATION CONTROL (ESC). THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR CONTROLLING ALL SILTATION AND EROSION OF THE PROJECT AREA. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO CONTROL THE EROSION AND SILTATION INCLUDING BUT NOT LIMITED TO: CATCH BASIN INSERTS, CONSTRUCTION ENTRANCES, EROSION CONTROL BLANKET, AND SILT FENCE. ESC SHALL COMMENCE WITH GRADING AND CONTINUE THROUGHOUT THE PROJECT UNTIL ACCEPTANCE OF THE WORK BY THE OWNER. THE CONTRACTOR'S RESPONSIBILITY INCLUDES ALL IMPLEMENTATION AS REQUIRED TO PREVENT EROSION AND THE DEPOSITING OF SILT. THE OWNER MAY DIRECT THE CONTRACTOR'S METHODS AS DEEMED FIT TO PROTECT PROPERTY AND IMPROVEMENTS. ANY DEPOSITION OF SILT OR MUD ON NEW OR EXISTING PAVEMENT OR IN EXISTING STORM SEWERS OR SWALES SHALL BE REMOVED AFTER EACH RAIN EVENT. AFFECTED AREAS SHALL BE CLEANED TO THE SATISFACTION OF THE OWNER, ALL AT THE EXPENSE OF THE CONTRACTOR. ALL TEMPORARY EROSION CONTROL SHALL BE REMOVED BY THE CONTRACTOR AFTER THE TURF IS ESTABLISHED.
- ALL STREETS DISTURBED DURING WORKING HOURS MUST BE CLEANED AT THE END OF EACH WORKING DAY. A CONSTRUCTION ENTRANCE TO THE SITE MUST BE PROVIDED ACCORDING TO DETAILS TO REDUCE TRACKING OF DIRT ONTO PUBLIC STREETS.
- PROPOSED PONDS SHALL BE EXCAVATED FIRST AND USED AS TEMPORARY PONDING DURING CONSTRUCTION.
- ALL UNPAVED AREAS ALTERED DUE TO CONSTRUCTION ACTIVITIES MUST BE RESTORED WITH SEED AND MULCH, SOIL, EROSION CONTROL BLANKET OR BE HARD SURFACE WITHIN 2 WEEKS OF COMPLETION OF CONSTRUCTION.
- THE SITE MUST BE STABILIZED PER THE REQUIREMENTS OF THE MPCA, NPDES, MNDOT, AND CITY.
 - TEMPORARY (GREATER THAN 1-YEAR) SEED SHALL BE MNDOT SEED MIX 23-111 AT 30-50 POUNDS PER ACRE.
 - TEMPORARY (LESS THAN 1-YEAR) SEED SHALL BE MNDOT SEED MIX 21-112 (FALL) OR 21-111 (SPRING/SUMMER) AT 100-POUNDS PER ACRE.
 - INFILTRATION/FILTRATION BASIN SHALL BE MNDOT SEED MIX 34-262 AT 14.5-POUNDS PER ACRE.
 - POND SLOPES SHALL BE MNDOT SEED MIX 33-261 AT 35-POUNDS PER ACRE.
 - GENERAL SEEDING SHALL BE MNDOT SEED MIX 23-151 AT 70-POUNDS PER ACRE.
 - MULCH SHALL BE MNDOT TYPE 1 APPLIED AT 2-TONS PER ACRE.
- FOR AREAS WITH SLOPE OF 3:1 OR GREATER, RESTORATION WITH SOIL OR EROSION CONTROL BLANKET IS REQUIRED.
- ALL TEMPORARY STOCKPILES MUST HAVE SILT FENCE INSTALLED AROUND THEM TO TRAP SEDIMENT.
- ALL PERMANENT PONDS USED AS TEMPORARY SEDIMENT BASINS DURING CONSTRUCTION SHALL BE DESIGNED AFTER THE SITE HAS BEEN STABILIZED TO RESTORE THE POND TO THE PROPOSED BOTTOM ELEVATION.
- ALL CONSTRUCTION SHALL CONFORM TO LOCAL AND STATE RULES INCLUDING THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS.
- THE SITE MUST BE KEPT IN A WELL-DRAINED CONDITION AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY DITCHES, PILING OR OTHER MEANS REQUIRED TO INSURE PROPER DRAINAGE DURING CONSTRUCTION. LOW POINTS IN ROADWAYS OR SLOPING PADS MUST BE PROVIDED WITH A POSITIVE CUTOFFLOW.
- PUBLIC STREETS USED FOR HAULING SHALL BE KEPT FREE OF SOIL AND DEBRIS. STREET SWEEPING SHALL BE CONCURRENT WITH SITE WORK.

GRADING NOTES

- LOCATIONS AND ELEVATIONS OF EXISTING TOPOGRAPHY AND UTILITIES AS SHOWN ON THIS PLAN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS AND UTILITY LOCATIONS PRIOR TO EXCAVATION/CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
- ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "STANDARD SPECIFICATIONS FOR TRENCH EXCAVATION AND BACKFILL/SURFACE RESTORATION" AS PREPARED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA.
- ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL AND SOIL OR SEED. THESE AREAS SHALL BE WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED. SEE LANDSCAPE PLAN FOR PLANTING AND TURF ESTABLISHMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGMEN AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT. TRAFFIC CONTROL DEVICES SHALL CONFORM TO APPROPRIATE MNDOT STANDARDS.
- ALL SLOPES SHALL BE GRADED TO 3:1 OR FLATTER, UNLESS OTHERWISE INDICATED ON THIS SHEET.
- CONTRACTOR SHALL UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING AND PROVIDE A SMOOTH FINISHED SURFACE WITH UNIFORM SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE SHOWN OR BETWEEN SUCH POINTS AND EXISTING GRADES.
- PROPOSED CONTOURS ARE TO FINISHED SURFACE GRADE.
- CONTRACTOR SHALL DISPOSE OF ANY EXCESS SOIL MATERIAL THAT EXISTS AFTER THE SITE GRADING AND UTILITY CONSTRUCTION IS COMPLETED. THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS SOIL MATERIAL IN A MANNER ACCEPTABLE TO THE OWNER AND THE REGULATING AGENCIES.
- ALL CONSTRUCTION SHALL CONFORM TO LOCAL, STATE AND FEDERAL RULES INCLUDING THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS.

FOR PERMIT APPROVAL

DESIGNED: JSB	DATE: 08/31/21
CHECKED: JSB	
DRAWN: JSB	
HORIZONTAL SCALE: 4"=100'	
VERTICAL SCALE: 1"=10'	

PREPARED FOR:
ENDRES HOLDINGS
 1505 BIVERSHORE DRIVE
 HASTINGS, MINNESOTA 55065

I HEREBY CERTIFY THAT THE PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
JOHN S. BLENIER
 DATE: 08/31/21, LICENSE NO: 54832

ENDRES WETLAND BANK
 DAKOTA COUNTY, MINNESOTA

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 Toll Free (800) 270-6462 www.westwoodga.com
 Westwood Professional Services, Inc.

PHASE II GRADING
 & EROSION
 CONTROL PLAN
 PROJECT NUMBER: 0026876.00

SHEET NUMBER:
4 OF **5**
 DATE: 08/31/21