

December 2, 2019

April Marcangeli
U.S. Army Corps of Engineers
Regulatory Branch
250 N Sunnyslope Road, Suite 296
Brookfield, WI 53005

RE: State ID 2310-17-70, Eagle Drive to STH 181, STH 60, Washington & Ozaukee Counties
Revised Permit Documents, File No. 2018-00703-JMB

Dear Ms. Marcangeli,

The Wisconsin Department of Transportation (WisDOT) has contracted Collins Engineers, Inc. (Collins) to perform design services for the proposed rehabilitation of STH 60 from Eagle Drive to STH 181. A Section 404 permit was previously submitted on 02/22/2018 and approved on 07/18/2018 (Regulatory File No. 2018-00703-JMB). After permit approval, additional roadway widening for a right turn lane and bypass lane to a new sports complex driveway were added to the scope, resulting in 0.011 acres of additional wetland impacts. Your review is requested of the attached revised permit materials submitted to document wetland impacts associated with the proposed action.

Improvements associated with the project include asphalt pavement mill & overlay, intersection widening and grading, bridge rehabilitation, and miscellaneous incidental work required to complete the project. Intersections will be widened to provide right turn lanes and bypass lanes meeting current geometric standards. The bridge rehabilitation consists of deck rehabilitation and concrete parapet. No substructure or stream work will be required. Approximately 0.54 acres of wetlands will be impacted as a result of the project.

The following documentation is attached:

- Form 3500-53 State/Federal Application for Water Regulatory Permits and Approvals
- Form 3500-53 attachment pages
- Exhibit A: Project Location Map
- Exhibit B: Project Overview
- Exhibit C: Wetland Delineation Report Overview Sheets
- Exhibit D: Wetland Impact Area Exhibit
- Exhibit E: Wetland Impact Tracking Form
- Exhibit F: Wisconsin DNR Initial Concurrence Letter
- Exhibit G: US Fish & Wildlife Service Endangered Species List
- Exhibit H: Northern Long Eared Bat Consultation Form
- Exhibit I: Section 106 Approval

Sincerely,

Brenda Ruenger
Wisconsin Department of Transportation
Southeast Region Environmental Coordinator

CC: Kristina Betzold, DNR

State of Wisconsin
Department of Natural Resources
(Return to appropriate DNR District/Area Office)

**State / Federal Application for Water Regulatory
Permits and Approvals**

Form 3500-53 (R 4/01)

Page 1 of 1

PLEASE COMPLETE BOTH PAGES 1 & 2 OF THIS APPLICATION. PRINT OR TYPE. The Department requires use of this form for any application filed pursuant to Chapter 30, Wis. Stats. The Department will not consider your application unless you complete and submit this application form. Personally identifiable information on this form will not be used for any other purpose, but it must be made available to requesters under Wisconsin's open records law (s. 19.31-19.39, Wis. Stats.).

1.	Applicant (Individual or corporate name) Wisconsin Department of Transportation Address 141 NW Barstow Avenue City, State, Zip Code Waukesha, Wisconsin 53187 Telephone No. (Include area code) Nguyen Ly, PM (262) 548-8739 Brenda Ruenger, EARS (262) 548-6709	2.	Agent/Contractor (firm name) Collins Engineers, Inc. Address 2033 W Howard Ave City, State, Zip Code Milwaukee, WI 53212 Telephone No. (Include area code) Rachel Tranel, Consultant PM (414) 282-6905			
3.	If applicant is not owner of the property where the proposed activity will be conducted, provide name and address of owner and include letter of authorization from owner. Owner must be the applicant or co-applicant for structure, diversion and stream realignment activities. <table border="1"><thead><tr><th>Owner's Name</th><th>Address</th><th>City, State Zip Code</th></tr></thead></table>			Owner's Name	Address	City, State Zip Code
Owner's Name	Address	City, State Zip Code				
4.	Is the applicant a business <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, is the permit or approval you are applying for necessary for you to conduct this business in the State of Wisconsin? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, please explain why (attach additional sheets if necessary):					
5.	Project Location STH 60, Eagle Drive to STH 181 Village/City/Town Village of Jackson/Town of Jackson/ Town of Cedarburg Fire Number _____ Tax Parcel Number _____ Waterway's: Cedar Creek, Tributary to Cedar Creek, Unnamed Ponds County Washington & Ozaukee Counties Govt. Lot <u>N/A</u> OR Range T10N R20E Sections 13, 14, 15, 16, 17, 20, 21, 22, 23, 24 T10N R21E Sections 16, 17, 18, 19, 20, 21					
6.	Adjoining Riparian (Neighboring Waterfront Property Owner) Information See Attachment					
7.	Project Information (Attach additional sheets if necessary) (a) Describe proposed activity (include how this project will be constructed) See attached pages. (b) Purpose, need and intended use of project See attached pages (c) I have applied for or received permits from the following agencies: (Check all that apply) <input type="checkbox"/> Municipal <input type="checkbox"/> County <input type="checkbox"/> Wis. DNR <input type="checkbox"/> Corps of Engineers (d) Date activity will begin if permit is issued: April 2020 – September 2020 (e) Is any portion of the requested project now complete? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, identify the completed portion on the enclosed drawings and indicate here the date activity was completed:					

I hereby certify that the information contained herein is true and accurate. I also certify that I am entitled to apply for a permit, or that I am the duly authorized representative or agent of an applicant who is entitled to apply for a permit. Any inaccurate information submitted may result in permit revocation, the imposition of a forfeiture(s) and requirement of restoration.

Signature of Applicant(s) or Duly Authorized Agent	Date Signed
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LEAVE BLANK – FOR RECEIVING AGENCY USE ONLY		
Corps of Engineers Process No.	Wisconsin DNR File No.	
Received By	Date Received	Date Application Was Complete

PROJECT INFORMATION

The proposed action includes the rehabilitation of roadway pavement for State Highway 60 from Eagle Drive to State Highway 181. The proposed construction limits are located in Township 10 North, Range 20 East in Washington County, and Township 10 North, Range 21 East in Ozaukee County. A Project Location Map and Project Overview are included as Exhibits A and B.

PURPOSE & NEED

Purpose:

The purpose of the project is to improve pavement conditions; add bicycle accommodations; and improve intersections to current WisDOT standards provided in FDM Chapter 11 and Standard Detail Drawing 9A1.

Need:

The existing pavement is in poor condition and can no longer be economically maintained. Pavement Condition Index (PCI) varies from 9 (Failed) to 81 (Good) within the project limits. Additionally, due to high speed and traffic volumes, there are safety and crash issues at some of the intersections that require right turn lanes or bypass lanes at the intersections to be improved to current standards. The 2009-2012 crash rate for the roadway segment is 101 crashes per million vehicle miles traveled (100 MVMT), compared with the statewide average of 72 crashes per 100 MVMT for similar highways.

SUMMARY OF ALTERNATIVES CONSIDERED

No Build Alternative:

The no-build alternative would maintain the existing substandard intersection geometry and would not provide safe bicycle accommodations, resulting in decreased safety and operations. The no-build alternative would also not address the existing pavement conditions, resulting in decreased serviceability and increased maintenance costs of the existing roadway.

Build Alternative (Preferred):

The build alternative addressed the need for the project by improving intersections to current standards, providing paved shoulder bicycle accommodations, and milling and overlaying the existing asphalt pavement. See detailed description of proposed improvement below for additional information.

DESCRIPTION OF PROPOSED IMPROVEMENT

STH 60 will be milled and overlaid from Eagle Drive to STH 181. Exclusions include the intersection of CTH Y which will be constructed as a roundabout under a separate project ID 2310-14-70 and the intersection of CTH G which was constructed as a roundabout in 2012. The existing STH 60 typical section consists of a rural undivided roadway the entire length with two 12-foot lanes and 10-foot shoulders in which 3-feet of shoulder is paved. The proposed STH 60 typical section will remain a rural undivided roadway with two 12-foot lanes and 10-foot shoulders. The shoulders will be paved to a minimum of 6 feet wide to accommodate bicycles. The project is included in the SEWRPC TIP (Project No. 211).

Intersections will be improved to current WisDOT standards, widened as necessary to accommodate bicycles, right turn, and bypass lanes. These intersections include: Center Road, Lusan Drive, Church Road, Briarwood Drive, Elm Drive, CTH M, Strawberry Glen Rd, Lizbeth Lane, and Horns Corners Road, and Sports Complex Driveway. The intersection of STH 60 & Maple Road will not be widened due to the existing bridge located on the west leg of the intersection. The bridge will receive a concrete overlay and portions of the deck will be replaced along with new concrete parapet. No bridge substructure or widening work will be done. Additional Right of Way is required at intersections and consists of 0.072 Acres Simple Fee and 0.139 Acres Temporary Easements. Existing beam guard will be removed and replaced with energy absorbing terminals installed. Cross culverts will be replaced or extended as needed. Construction is planned for 2020.

The existing posted speed limit is 55 mph and is not planned to change with this project. Box culverts C-66-0031 and C-66-0032 are within the project limits and are in fair condition and improvements are not included with this project.

CULVERTS

There are two existing culverts/storm sewer pipes located within wetland areas that will be replaced as part of the proposed improvements. The pipes will be replaced with concrete of similar diameters. Culvert/storm sewer pipes being replaced within wetland areas are as follows:

2016 Stantec Report #	Culvert/Storm Sewer Location			Invert Elevation		Number of Pipes & Diameter	
	Start	End	Side	Upstream	Downstream	Existing	Proposed
W-43 & W-45	406+99	408+76	LT	858.92	858.03	1-36" Circular	1-29"x45" Horizontal Elliptical
W-46	517+31	518+19	RT	872.34	872.26	1-30" Circular	1-24"x38" Horizontal Elliptical

WETLAND IMPACTS

Wetlands in the project area were delineated by Stantec from August 16, 2016 through October 14, 2016. Relevant sheets from the wetland delineation titled "Wetland Delineation Report, STH 60 ID 2310-17-00/17" dated December 15, 2016 are included as Exhibit C.

The proposed action will result in 0.543 acres of permanent impacts to wetlands due to ditch grading, intersection widening and guardrail grading. There will be no temporary impacts to wetlands. Wetland types impacted include Wet Meadow (M), Riparian Emergent Wetland (RPE), Degraded Riparian Emergent Wetland (RPE(D)), Shallow Marsh (SM), Scrub Shrub (SS), and Wooded Swamp (WS).

Some of the wetlands impacted are adjacent to water bodies and are thereby jurisdictional wetlands under the Army Corps of Engineers. Refer to Table 1 below for a summary of wetland impacts.

Project ID 2310-17-70
Eagle Drive to STH 181
STH 60
Washington & Ozaukee Counties

December 2, 2019
Form 3500-53 Attachment

TABLE 1 – WETLAND IMPACTS

Impact Area	2016 Stantec Report #	Wetland Location				Type	Permanent Impacts (AC)		Total Impacts (AC)	Ratio	Total Debit
		County	Start	End	Side		Cut	Fill			
1	W-3	Washington	194+48	195+45	LT	RPE	0.000	0.018	0.018	1.80	0.032
2	W-3	Washington	197+26	198+32	LT	RPE	0.000	0.012	0.012	1.80	0.022
3	W-3	Washington	199+35	199+94	LT	RPE	0.000	0.010	0.010	1.80	0.018
4	W-6	Washington	201+03	201+98	RT	RPE	0.000	0.014	0.014	1.80	0.025
5	W-3	Washington	201+77	204+18	LT	RPE	0.029	0.026	0.055	1.80	0.099
6	W-6	Washington	203+15	203+60	RT	RPE	0.000	0.003	0.003	1.80	0.005
7	W-6	Washington	204+64	204+78	RT	RPE	0.000	0.015	0.015	1.80	0.027
8	W-10	Washington	231+78	232+55	RT	RPE(D)	0.000	0.006	0.006	1.60	0.010
9	W-10	Washington	233+06	233+51	RT	RPE(D)	0.000	0.002	0.002	1.60	0.003
10	W-11	Washington	233+22	233+39	LT	RPE	0.000	0.001	0.001	1.80	0.002
11	W-10	Washington	234+27	235+56	RT	RPE(D)	0.000	0.013	0.013	1.60	0.021
12	W-11	Washington	234+85	235+41	LT	RPE	0.000	0.002	0.002	1.80	0.004
13	W-39	Washington	395+73	397+87	LT	RPE	0.007	0.019	0.026	1.80	0.047
14	W-39	Washington	398+06	399+73	LT	RPE	0.000	0.007	0.007	1.80	0.013
16	W-43	Washington	404+52	406+93	LT	SS	0.032	0.038	0.070	1.50	0.105
17	W-45	Washington	408+88	410+88	LT	M	0.000	0.033	0.033	1.50	0.050
18	W-38	Washington	409+19	410+98	RT	SM	0.000	0.020	0.020	1.50	0.030
19	W-42	Ozaukee	491+21	494+36	RT	WS	0.000	0.032	0.032	1.20	0.038
20	W-53	Ozaukee	491+66	497+67	LT	SS	0.000	0.102	0.102	1.20	0.122
21	W-46	Ozaukee	513+04	517+48	RT	WS	0.056	0.046	0.102	1.20	0.122
22	W-67	Ozaukee	536+52	538+38	LT	SM	0.000	0.011	0.011	TBD	TBD
							0.124	0.430	0.554		TBD

Waterway Impacts

The proposed action will result in 2497 square feet and 254 linear feet of permanent impacts to waterways due to ditch grading, intersection widening and guardrail grading. Refer to Table 2 below for a summary of waterway impacts.

TABLE 2 – WATERWAY IMPACTS

Impact Area	2016 Stantec Report #	Waterway Location			Impact (SF)	Impact (LF)
		Start	End	Side		
5	WW-3	201+77	204+18	LT	2463	238
15	WW-10	398+10	398+26	RT	34	16
					2497	254

Mitigation

WisDOT proposes to mitigate the unavoidable impacts to 0.554 acres of wetlands under the WisDOT Wetland Mitigation Banking Technical Guidelines.

Wetland/Waterway Avoidance and Minimization

Due to the proximity of wetlands to the project it is not feasible to completely avoid the wetlands and waterways. In order to widen the intersections to current standards and grade ditches and side slopes to safe clear zone requirements, the project requires a small amount of impact to existing wetlands and waterways. Avoidance and minimization are incorporated into the design of the project where feasible to lessen impacts, as shown below in Table 3.

TABLE 3 – WETLAND/WATERWAY AVOIDANCE AND MINIMIZATION MEASURES

Impact Area	2016 Stantec Report #	Location			Type	Avoidance Measures
		Start	End	Side		
1	W-3	194+48	195+45	LT	RPE	Steepen slopes to 2.5:1 behind beam guard
2	W-3	197+26	198+32	LT	RPE	Steepen slopes to 2.5:1 behind beam guard
3	W-3	199+35	199+94	LT	RPE	Steepen slopes to 2.5:1 behind beam guard
4	W-6	201+03	201+98	RT	RPE	Steepen slopes to 2.5:1 behind beam guard
5	W-3 WW-3	201+77	204+18	LT	RPE	Steepen slopes to 2.5:1; Use MGS 3 K (long-post) beam guard to break slope at back of post
6	W-6	203+15	203+60	RT	RPE	Steepen slopes to 2.5:1 behind beam guard
7	W-6	204+64	204+78	RT	RPE	None – wetland is within clear zone and slopes cannot be steepened further
8	W-10	231+78	232+55	RT	RPE(D)	None – wetland is within clear zone and slopes cannot be steepened further
9	W-10	233+06	233+51	RT	RPE(D)	Steepen slopes to 2.5:1 behind beam guard
10	W-11	233+22	233+39	LT	RPE	Steepen slopes to 2.5:1 behind beam guard
11	W-10	234+27	235+56	RT	RPE(D)	None – wetland is within clear zone and slopes cannot be steepened further
12	W-11	234+85	235+41	LT	RPE	None – wetland is within clear zone and slopes cannot be steepened further
13	W-39	395+73	397+87	LT	RPE	Steepen slopes to 2.5:1 behind beam guard
14	W-39	398+06	399+73	LT	RPE	Steepen slopes to 2.5:1 behind beam guard
15	W-36 WW-10	398+10	398+26	RT	RPE	Steepen slopes to 2.5:1 behind beam guard
16	W-43	404+52	406+93	LT	SS	None - ditch grading is necessary to provide positive drainage from new storm sewer outfall
17	W-45	408+88	410+88	LT	M	None - ditch grading is necessary for roadway widening
18	W-38	409+19	410+98	RT	SM	None - ditch grading is necessary for roadway widening
19	W-42	491+21	494+36	RT	WS	None – wetland is within clear zone and slopes cannot be steepened further
20	W-53	491+66	497+67	LT	SS	None – wetland is within clear zone and slopes cannot be steepened further
21	W-46	513+04	517+48	RT	WS	None - ditch grading is necessary to provide positive drainage from new culvert outfall
22	W-67	536+52	538+38	LT	SM	Steepen slopes to 2.0:1 behind bicycle path

Project Schedule & Construction Staging

PS&E Date: August 1, 2019

Let Date: December 10, 2019

Construction Schedule: April 2020 through September 2020

Staging Plans: All traffic on STH 60 will be detoured and the road will be open to local traffic only during construction.

INTERAGENCY COORDINATION

Wisconsin Department of Natural Resources (DNR)

The Wisconsin DNR provided final concurrence with the proposed action on August 7, 2018 (All DNR coordination is included in the Appendix). Outside of best management practices and the application of Cooperative Agreement environmental strategies, the DNR had specific comments on natural resources as identified in the Environmental Commitments included in the Appendix. In accordance with the interagency cooperative agreement, DNR and WisDOT will continue to work together to ensure that impacts to natural resources can be avoided or minimized to the extent practicable.

U.S. Fish and Wildlife Service (USFWS)

On September 1, 2015, the Official Species List for the project was generated and included in the Appendix. There are a total of four species noted on the species list including the Whooping Crane (Experimental population, non-essential), Eastern Prairie Fringed Orchid (Threatened), Hine's Emerald Dragonfly (Endangered), and Northern long-eared Bat (Threatened). There are no critical habitats within the project area.

Eastern Prairie Fringed Orchid - Threatened

The eastern prairie fringed orchid occurs in a wide variety of habitats and there is no critical habitat for this flowering plant in the project area. Additionally, the orchid was not observed in the wetland delineation report for this project prepared by Stantec dated December 15, 2016. For these reasons, we conclude the project will not affect the Eastern Prairie Fringed Orchid.

Hines Emerald Dragonfly - Endangered

There is no critical habitat for this species in the project area, and therefore, WisDOT has concluded the project will not affect the Hines Emerald Dragonfly.

Northern Long-Eared Bat - Threatened

Project staff prepared documentation under the current FHWA and FRA Range-Wide Programmatic Informal Consultation pertaining to the northern long-eared bat (NLEB). It was concluded in this documentation that the project may affect, but is not likely to adversely affect the NLEB provided the avoidance and minimization measures identified are implemented. This coordination was provided to USFWS on 9/23/15 and no response was received within the 14-day review period. Therefore, this project is considered cleared to proceed.

Section 106

The Section 106 Architecture/History Survey and Report was completed in October 2015 with the conclusion that there are no eligible historical resources within the project area. The Section 106 Archaeology Review was completed in December 2014 with the finding there are no archaeological sites present within the project area of potential effect. SHPO concurred with the finding of “no historic properties (historical or archaeological) affected” on March 10, 2016. Relevant information can be found in the Appendix.

Neighboring Waterfront Property Owners

2016 Stantec Report #	Adjacent Owner	Address	City, State, Zip
W-3	Robert J Loduha	2135 Highland Rd	Jackson, WI 53037
W-6	Oscar & Ruth T Rathke Living Trust	3405 Maple Rd	Jackson, WI 53037
W-10	Gordon P & Ann L Gilbert	1817 State Hwy 60	Jackson, WI 53037
W-11	Ronald & Doreen Kannenburg	1900 State Hwy 60	Jackson, WI 53037
W-36	Robert H & Dawn E Hartwig	3551 Country Aire Dr	Cedarburg, WI 53012
W-39	Matthew R & Kari P Hartwig	626 State Hwy 60	Cedarburg, WI 53012

APPENDIX

Exhibit A: Project Location Map

Exhibit B: Project Overview

Exhibit C: Wetland Delineation Report Overview Sheets

Exhibit D: Wetland Impact Area Exhibit

Exhibit E: Wetland Impact Tracking Form

Exhibit F: Wisconsin DNR Final Concurrence Letter

Exhibit G: US Fish & Wildlife Service Endangered Species List

Exhibit H: Northern Long Eared Bat Consultation Form

Exhibit I: Section 106 Approval

EXHIBIT A
PROJECT LOCATION MAP

WKE

DECEMBER 2019

ORDER OF SHEETS

Section No. 1	Title
Section No. 2	Typical Sections and Details
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 4	Right of Way Plat
Section No. 5	Plan and Profile
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plates
Section No. 8	Structure Plans
Section No. 9	Computer Earthwork Data
Section No. 9	Cross Sections

TOTAL SHEETS = --- 454

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STH 60

EAGLE DRIVE TO STH 181

STH 60

WASHINGTON & OZAUKEE COUNTIES

STATE PROJECT

2310-17-70

FEDERAL PROJECT

PROJECT

WISC 2019740

CONTRACT

1

PROJECT ID: 2310-17-70
WITH: 2310-14-70



BEGIN PROJECT 2310-17-70
STA. 188+60.00
X = 371,524.8600
Y = 147,846.7887

STATE PROJECT NUMBER
2310-17-70

EXCEPTION TO NET ϕ LENGTH
STA. 249+06.64 TO STA. 266+77.81

EXCEPTION TO NET ϕ LENGTH
STA. 456+50.01 TO STA. 473+92.67
ID 2310-14-70

DESIGN	DESIGNATION	WASHINGTON COUNTY	OZAUKEE COUNTY
A.A.D.T.	2010	= 8,000	8,600
A.A.D.T.	2040	= 11,300	12,000
D.H.V.		= 1,130	1,200
D.D.		= 60/40	60/40
T.		= 5.2%	5.2%
DESIGN SPEED		= 55 MPH	55 MPH
ESALS		= 1,258,400	1,344,800

CONVENTIONAL SYMBOLS

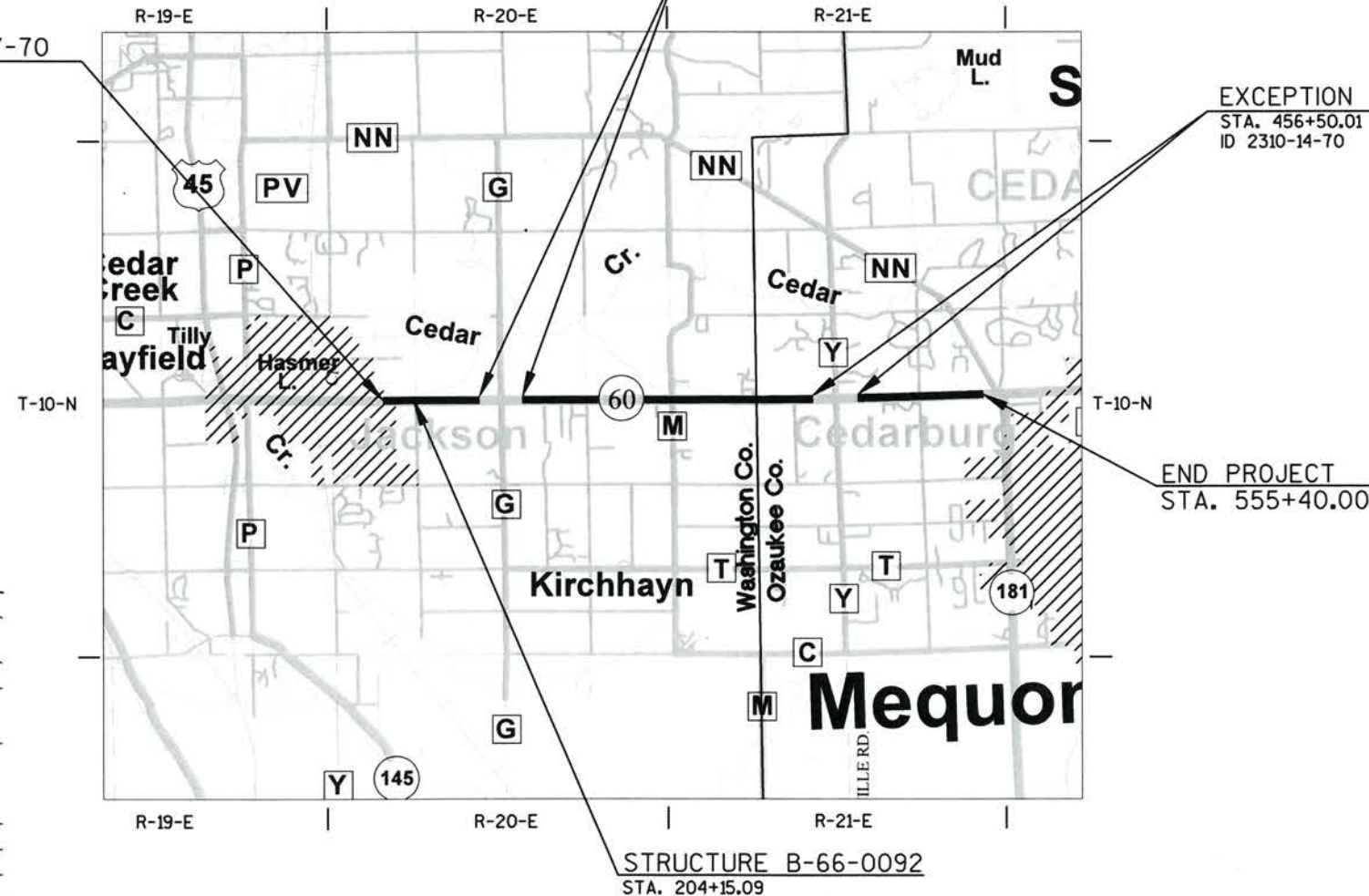
PLAN

CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE

GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

ROCK	
LABEL	
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LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 6.281 MI.

-COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WASHINGTON COUNTY, NAD 1983 (2007) AND OZAUKEE COUNTY, NAD 1983 (2007).

-ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 NAVD 88 (2007).

ORIGINAL PLANS PREPARED BY

COLLINS ENGINEERS



7/31/2019 *Rachel A. Tranel*
(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	M SQUARED
Designer	COLLINS ENGINEERS
Project Manager	NGUYEN LY
Regional Examiner	STEVE CHOJNACKI
Regional Supervisor	BENEDICT ERUCHALU

APPROVED FOR THE DEPARTMENT

DATE: 7/31/2019 *Kevin Weighner*
(Date) (Signature)

E

EXHIBIT B
PROJECT OVERVIEW



PROJECT NO: 2310-17-70

HWY: STH 60

COUNTY: WASHINGTON & OZAUKEE

PROJECT OVERVIEW

SHEET

E

2

**E**

WISDOT/CADDS SHEET 44



PROJECT NO: 2310-17-70

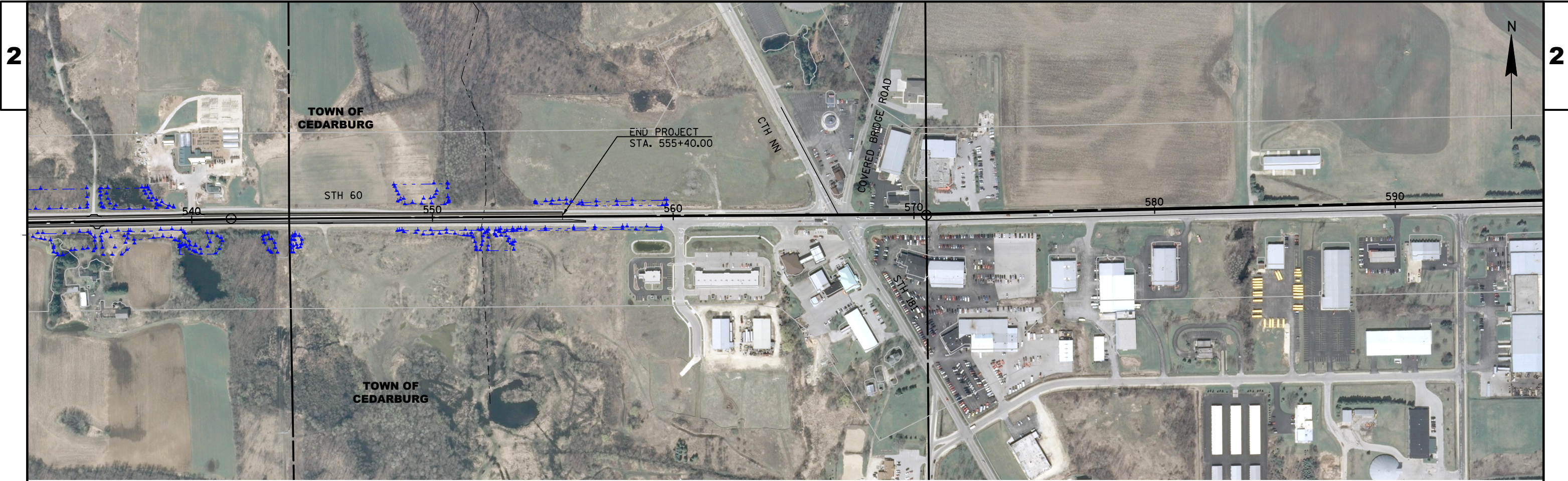
HWY: STH 60

COUNTY: WASHINGTON & OZAUKEE

PROJECT OVERVIEW

SHEET

E



WETLANDS DELINEATED PER REPORT
PREPARED BY STANTEC, 2016.

EXHIBIT C
WETLAND DELINEATION REPORT OVERVIEW SHEETS

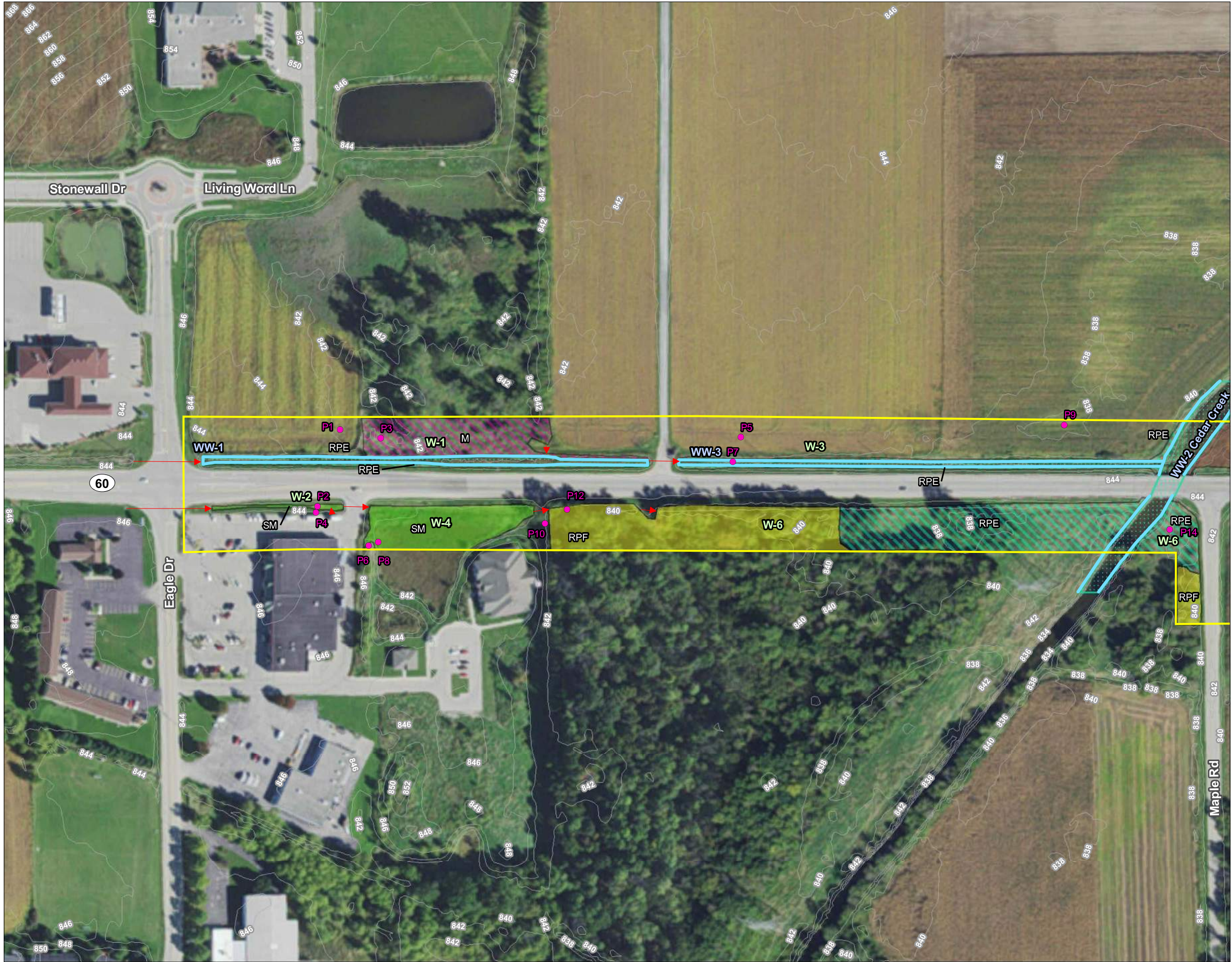
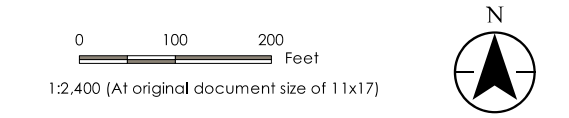


Figure No.
5
Title
Field Collected Data

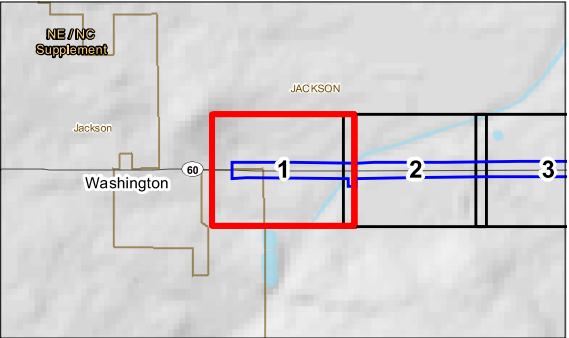
Client/Project
Wisconsin DOT SE Region
STH 60: Eagle Drive to STH 181 - ID 2310-17-00/17
Wetland Delineation

Project Location
Washington and Ozaukee
Counties, WI

193704642
Prepared by SF on 2016-08-09
Technical Review by MP on 2016-11-18
Independent Review by EP on 2016-11-18



- Legend**
- | | |
|------------------------------|--|
| Approximate Project Boundary | Field Delineated Wetland Community Type |
| Sample Point | Riparian Emergent Wetland (RPE) |
| Culvert (Flow Direction) | Farmed Riparian Emergent Wetland (RPEf) |
| Open Water | Riparian Wooded Wetland (RPF) |
| Field Delineated Waterway | Shallow Marsh (SM) |
| | Shrub Scrub (SS) |
| | Wet Meadow (M) |
| | Farmed Wet Meadow (Mf) |
| | Deep Marsh (DM) |
| | Wooded Swamp (WS) |



Notes

1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
2. Data Sources Include: Stantec, WDOT, WDNR
3. Orthophotography: 2015 NAIP

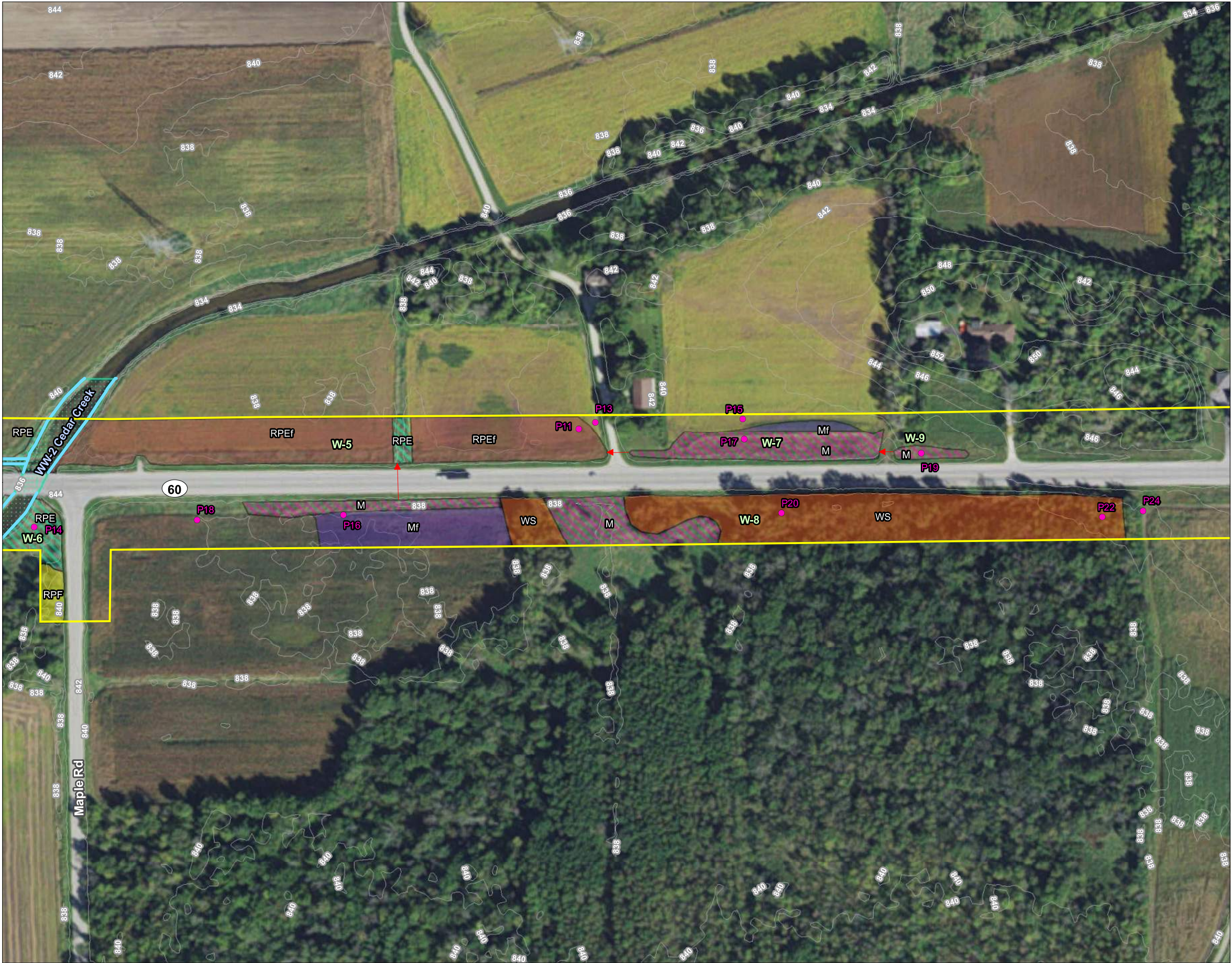


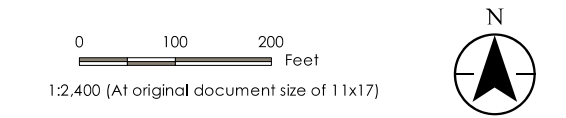
Figure No.
5

Title
Field Collected Data

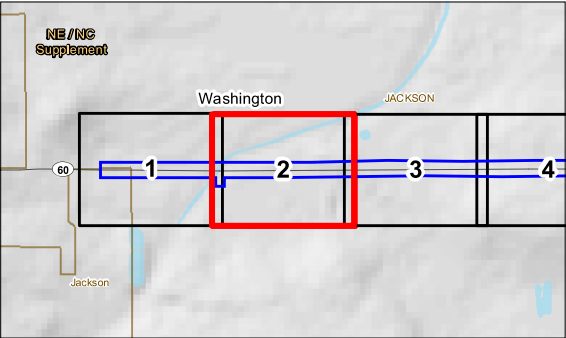
Client/Project
Wisconsin DOT SE Region
STH 60: Eagle Drive to STH 181 - ID 2310-17-00/17
Wetland Delineation

Project Location
Washington and Ozaukee
Counties, WI

193704642
Prepared by SF on 2016-08-09
Technical Review by MP on 2016-11-18
Independent Review by EP on 2016-11-18



- Legend**
- | | |
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| Approximate Project Boundary | Field Delineated Wetland Community Type |
| 2ft Elevation Contour | Riparian Emergent Wetland (RPE) |
| Sample Point | Farmed Riparian Emergent Wetland (RPEf) |
| Culvert (Flow Direction) | Riparian Wooded Wetland (RPF) |
| Open Water | Shallow Marsh (SM) |
| Field Delineated Waterway | Shrub Scrub (SS) |
| | Wet Meadow (M) |
| | Farmed Wet Meadow (Mf) |
| | Deep Marsh (DM) |
| | Wooded Swamp (WS) |



- Notes**
- Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
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 - Orthophotography: 2015 NAIP





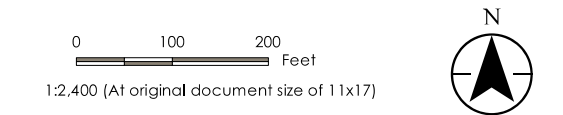
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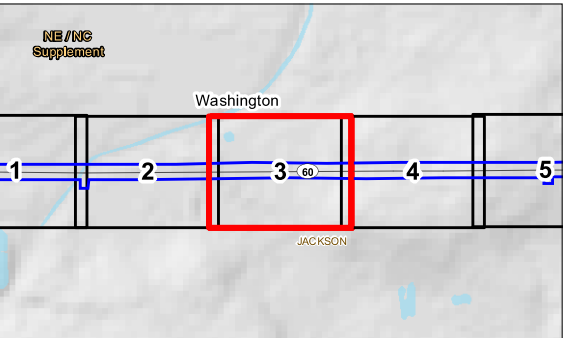
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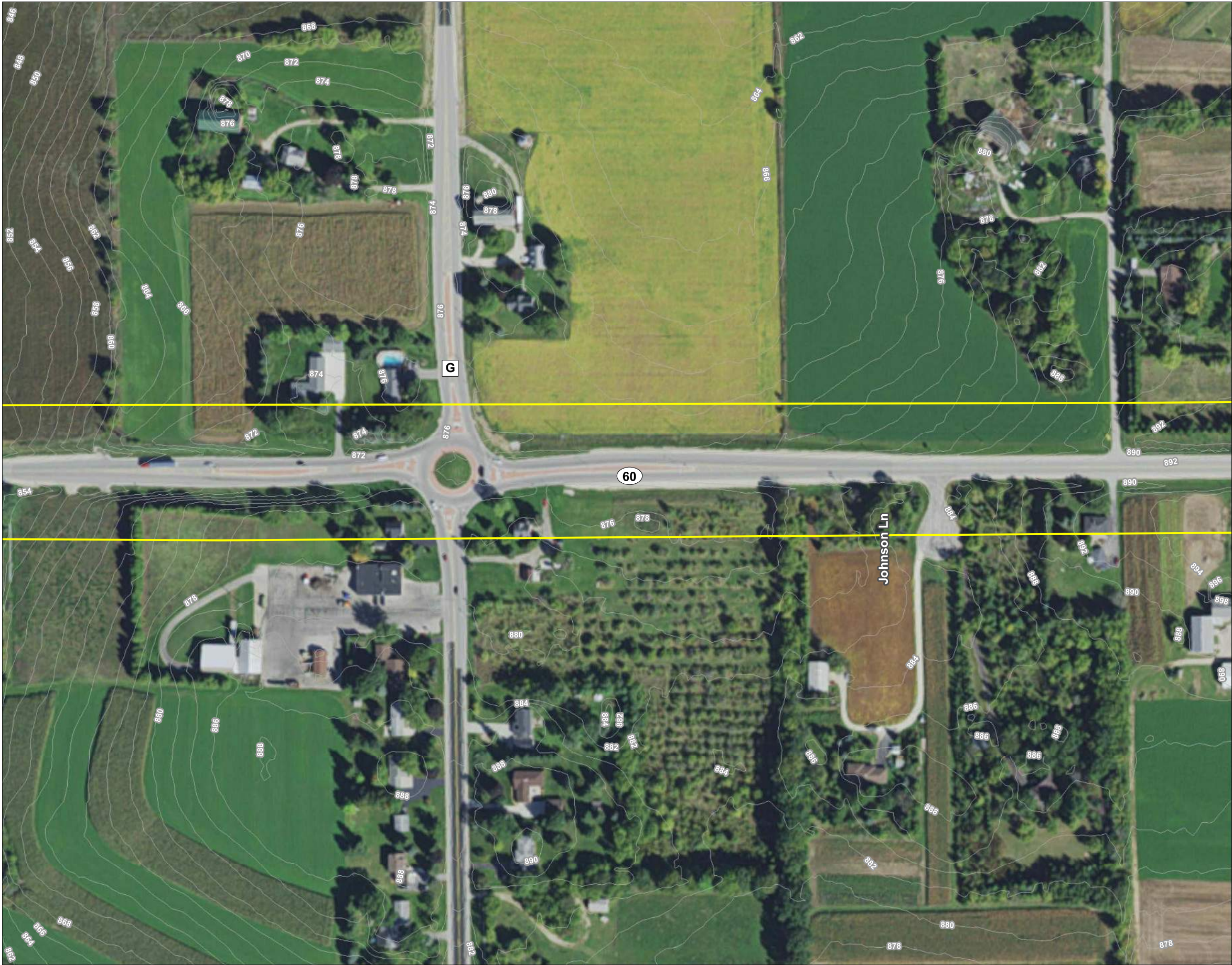


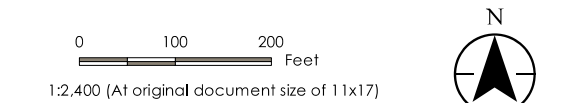
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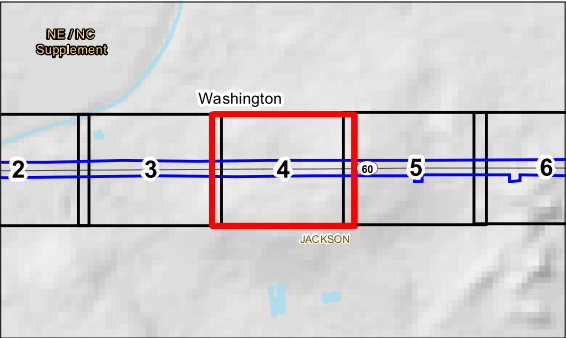
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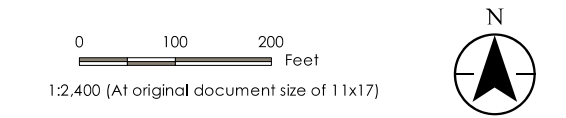
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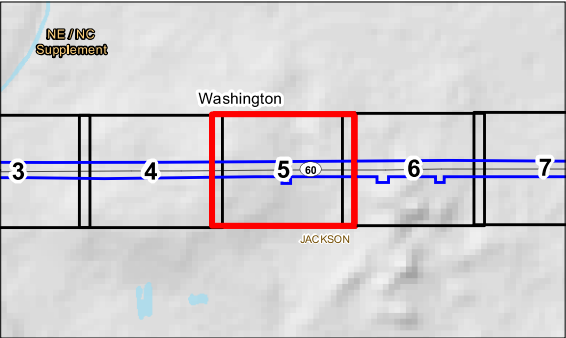
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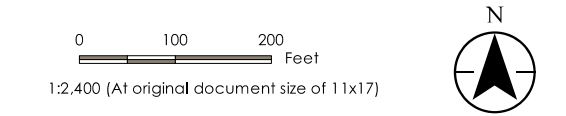
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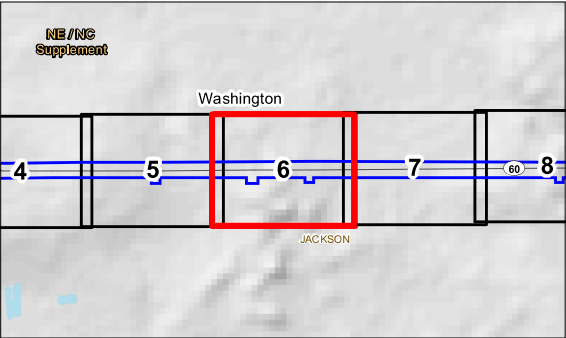
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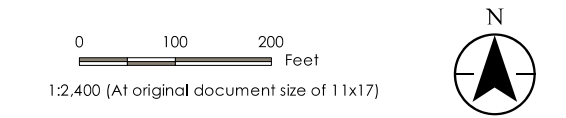
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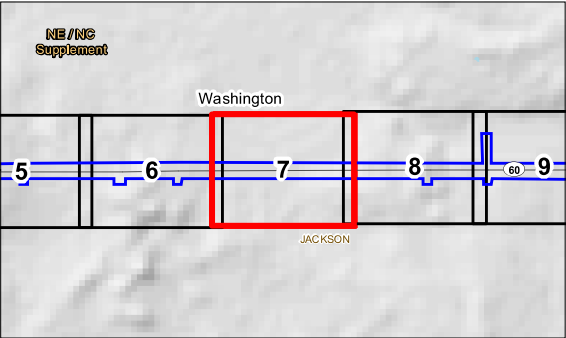
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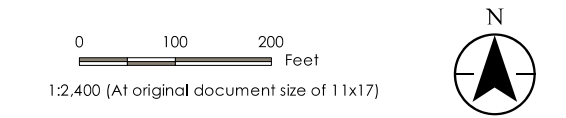
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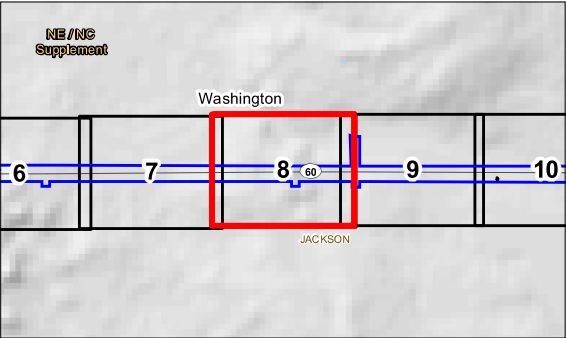
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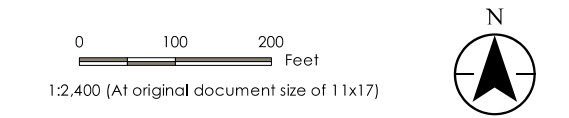
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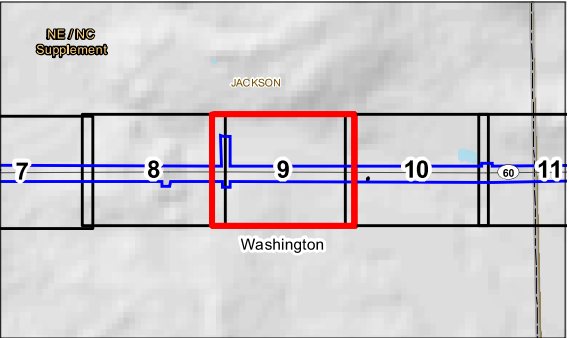
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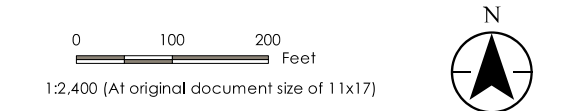


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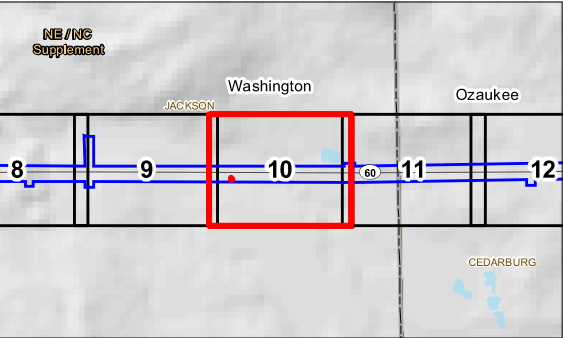
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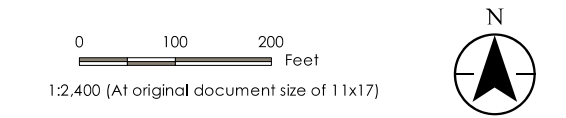
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Title
Field Collected Data

Client/Project
Wisconsin DOT SE Region
STH 60: Eagle Drive to STH 181 - ID 2310-17-00/17
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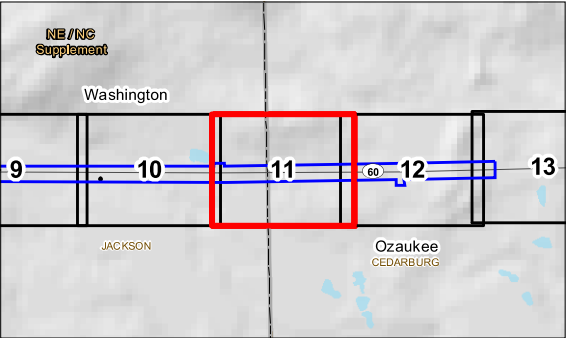
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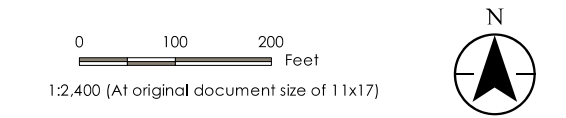
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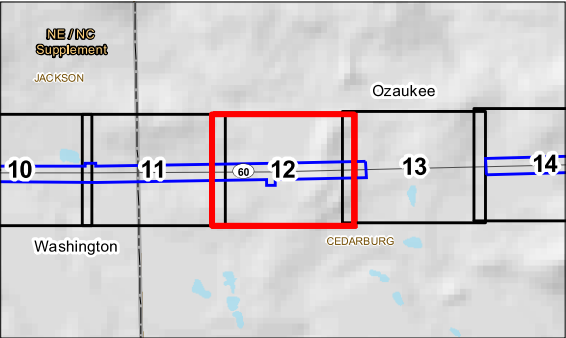
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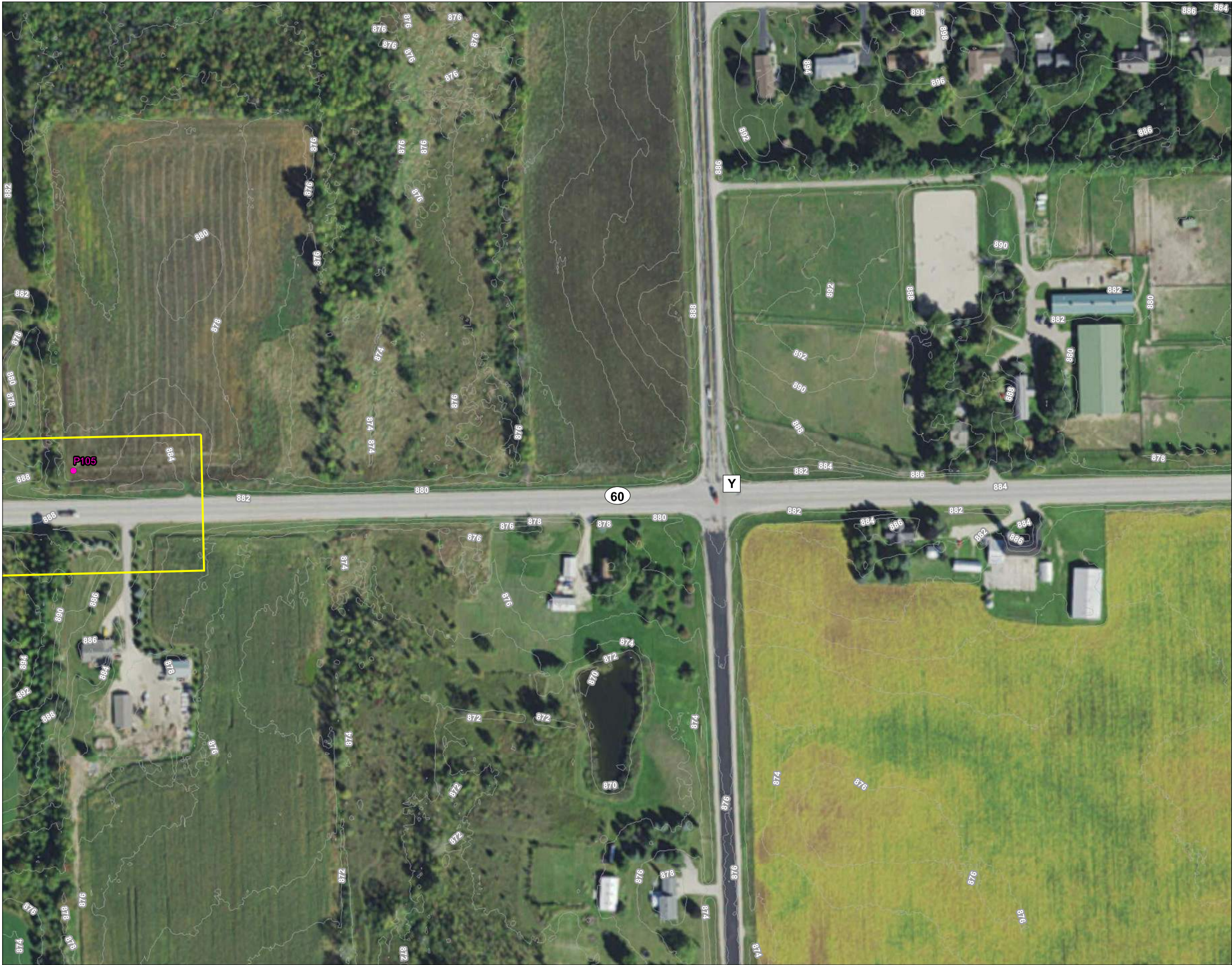


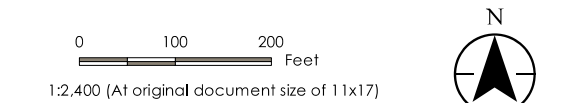
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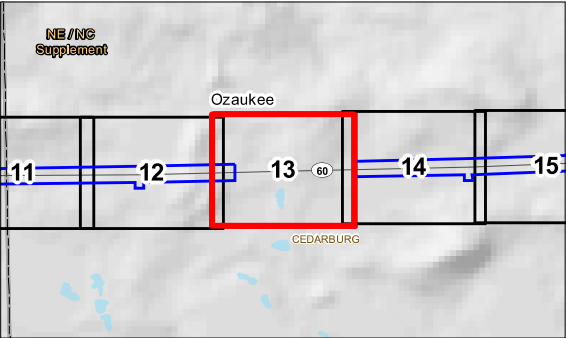
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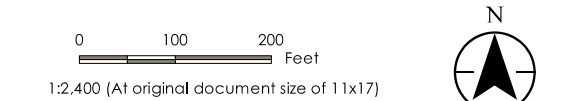
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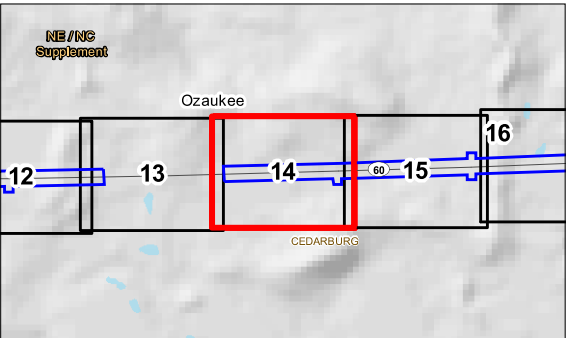
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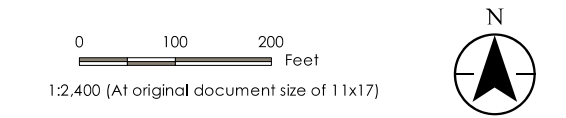


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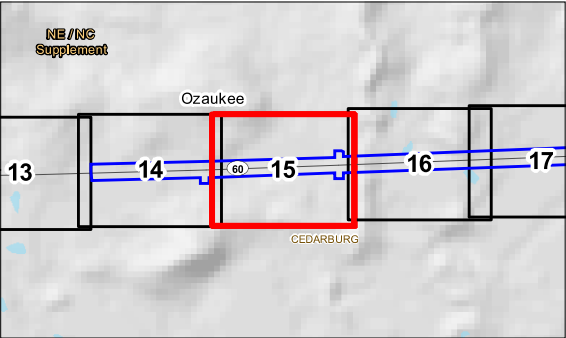
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Figure No.

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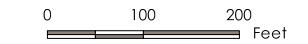
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Legend


 Approximate Project Boundary

- Sample Point

→ Culvert (Flow Direction)

 Open Water Field Delineated WaterwayField Delineated Wetland
Community Type

 Riparian Emergent Wetland (RPE)

 Farmed Riparian
Emergent Wetland
(RPEf)

 Riparian Wooded

Shallow Marsh (SM)

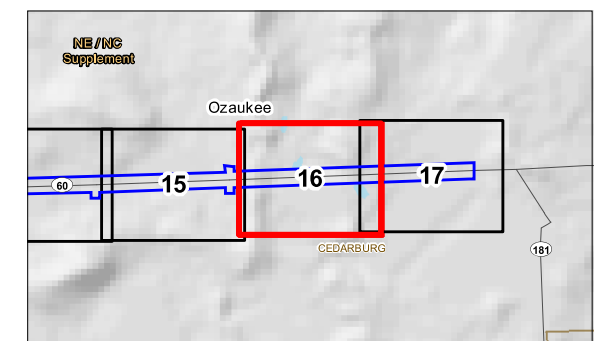
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Ozaukee

CEDARBURG

Notes

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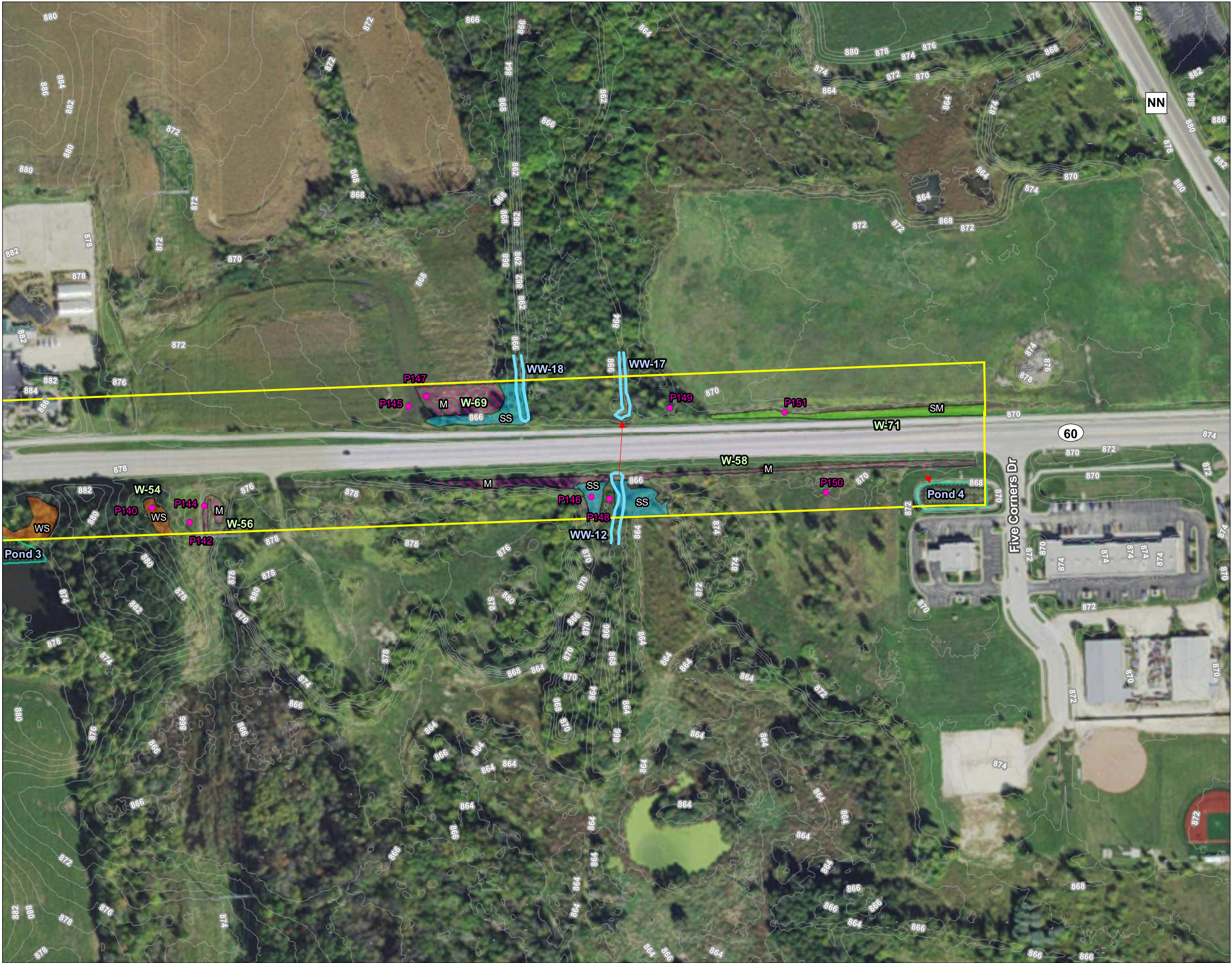


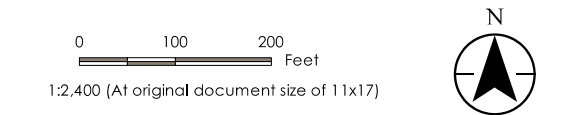
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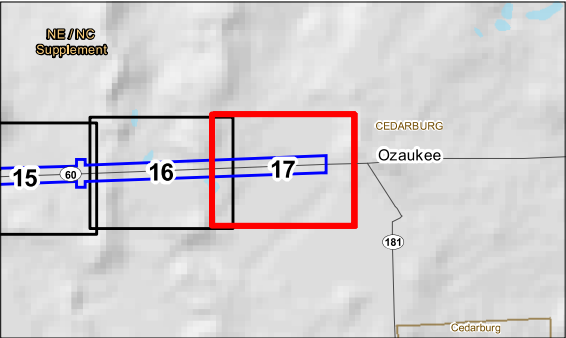
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	Wooded Swamp (WS)



- Notes**
1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
 2. Data Sources Include: Stantec, WDOT, WDNR
 3. Orthophotography: 2015 NAIP



Table 1 - Summary of Wetlands Identified within the Study Area (see key below)						
2016 Wetland #	2012-13 Wetland #	Type and WDOT Mitigation Banking Acronym	Major Soil Type(s)		Jurisdiction	SEWRPC Corridor
W-1	W-83	Wet Meadow (M)	GrB	Grays silt loam, 2 to 6 percent slopes	Federal	SEC
W-2	W-84	Shallow Marsh (SM)	Cw	Colwood silt loam, 0 to 2 percent slopes	Federal	
W-3		Riparian Wet Meadow (RPE)	Mzb	Montgomery silty clay loam	Federal	SEC
W-4	W-85	Shallow Marsh (SM)	Cw	Colwood silt loam, 0 to 2 percent slopes	Federal	
W-5	W-2	Riparian Wet Meadow/ partially farmed (RPE/ RPEf)	MzfA	Mundelein silt loam, 1 to 3 percent slopes	Federal	SEC
W-6	W-1	Riparian Wooded/ Riparian Wet Meadow (RPF/ RPE)	Mzb	Montgomery silty clay loam	Federal	SEC
W-7	W-5	Wet Meadow (M)	Mzb	Montgomery silty clay loam	Federal	
W-8	W-4	Wet Meadow/ partially farmed/ Wet Meadow/ Wooded Swamp (M/ Mf/ WS)	Pc	Palms mucky peat, 0 to 2 percent slopes	Federal	INRA
W-9		Wet Meadow (M)	BmB	Boyer loamy sand, 2 to 6 percent slopes	Federal	
W-10	W-6	Riparian Wet Meadow/ partially farmed (RPE/ RPEf)	Pc	Palms mucky peat, 0 to 2 percent slopes	Non-Federal	SEC
W-11	W-7	Riparian Wet Meadow/ Wet Meadow (RPE/ M)	Ph	Pella silt loam, 0 to 2 percent slopes	Non-Federal	PEC
W-12	W-9	Wet Meadow/ partially farmed (M/ Mf)	Cw	Colwood silt loam, 0 to 2 percent slopes	Federal	
W-13	W-8	Wet Meadow (M)	Cw	Colwood silt loam, 0 to 2 percent slopes	Federal	
W-14	W-12	Wet Meadow/ Scrub-Shrub/ Shallow Marsh (M/ SS/ SM)	BsA	Brookston silt loam, 0 to 3 percent slopes	Federal	
W-15		Wet Meadow (M)	MtA	Mequon silt loam, 1 to 3 percent slopes	Federal	
W-16	W-16	Riparian Wet Meadow/ Riparian Wooded/ Wet Meadow (RPE/ RPF/ M)	YrA	Yahara silt loam, 1 to 3 percent slopes	Federal	INRA
W-17	W-10	Scrub-Shrub (SS)	GP	Gravel pit	Non-Federal	
W-18		Wet Meadow (M)	SvB2	Sisson-Casco-Hochheim complex, 2 to 6 percent slopes, eroded	Non-Federal?	
W-19	W-13	Shallow Marsh/ Wet Meadow farmed (SM/ Mf)	MzfA	Mundelein silt loam, 1 to 3 percent slopes	Federal	
W-20		Wet Meadow (M)	BrC2	Boyer complex, 6 to 12 percent slopes, eroded	Non-Federal?	
W-21	W-14	Wet Meadow/ Shallow Marsh (M/ SM)	BsA	Brookston silt loam, 0 to 3 percent slopes	Federal	
W-22	W-21	Scrub-Shrub/ Shallow Marsh (SS/ SM)	WmA	Wasepi sandy loam, 1 to 3 percent slopes	Federal	
W-23	W-15	Wet Meadow/ Shallow Marsh/ Scrub-Shrub (M/ SM/ SS)	SvB2	Sisson-Casco-Hochheim complex, 2 to 6 percent slopes, eroded	Federal	
W-24	W-23	Riparian Wet Meadow/ partially farmed (RPE/ RPEf)	WmA	Wasepi sandy loam, 1 to 3 percent slopes	Federal	
W-25	W-17	Wet Meadow (M)	SvB2	Sisson-Casco-Hochheim complex, 2 to 6 percent slopes, eroded	Non-Federal?	
W-26		Wet Meadow (M)	WmA	Wasepi sandy loam, 1 to 3 percent slopes	Non-Federal?	

Table 1 - Summary of Wetlands Identified within the Study Area (see key below)						
2016 Wetland #	2012-13 Wetland #	Type and WDOT Mitigation Banking Acronym	Major Soil Type(s)		Jurisdiction	SEWRPC Corridor
W-27	W-20	Riparian Wooded (RPF)	BrC2	Boyer complex, 6 to 12 percent slopes, eroded	Federal	
W-28	W-25	Wooded Swamp (WS)	DaA	Darroch fine sandy loam, neutral variant, 0 to 3 percent slopes	Non-Federal(?)	
W-29		Wet Meadow (M)	WmA	Wasepi sandy loam, 1 to 3 percent slopes	Non-Federal(?)	SEC
W-30		Wet Meadow (M)	DaA	Darroch fine sandy loam, neutral variant, 0 to 3 percent slopes	Non-Federal(?)	
W-31	W-22	Hardwood Swamp (WS)	WmA	Wasepi sandy loam, 1 to 3 percent slopes	Federal	
W-32	W-27	Wooded Swamp (WS)	SrB	Sisson fine sandy loam, 2 to 6 percent slopes	Non-Federal(?)	
W-33	W-22	Riparian Wooded/ Riparian Wet Meadow/ partially farmed (RPF/ RPE/ RPEf)	WmA	Wasepi sandy loam, 1 to 3 percent slopes	Federal	
W-34	W-29	Scrub-Shrub (SS)	YrA	Yahara silt loam, 1 to 3 percent slopes	Non-Federal(?)	
W-35	W-24	Wet Meadow/ partially farmed (M/ Mf)	WmA	Wasepi sandy loam, 1 to 3 percent slopes	Federal	
W-36	W-30	Riparian Wet Meadow/ Scrub-Shrub (RPE/ SS)	YrA	Yahara silt loam, 1 to 3 percent slopes	Federal	PEC
W-37	W-26	Riparian Wooded/ Riparian Wet Meadow (RPF/ RPE)	SrB	Sisson fine sandy loam, 2 to 6 percent slopes	Federal	SEC
W-38	W-33	Wooded Swamp/ Shallow Marsh (WS/ SM)	Cw	Colwood silt loam, 0 to 2 percent slopes	Federal	PEC
W-39	W-26	Riparian Wet Meadow (RPE)	YrA	Yahara silt loam, 1 to 3 percent slopes	Federal	SEC
W-40	W-36	Wet Meadow/ partially farmed/ Scrub-Shrub (M/ Mf/ SS)	Km	Keowns silt loam	Non-Federal(?)	PEC
W-41	W-31	Wet Meadow/ Hardwood Swamp (M/ WS)	YrA	Yahara silt loam, 1 to 3 percent slopes	Federal	
W-42	W-42	Wooded Swamp (WS)	Cw	Colwood silt loam, 0 to 2 percent slopes	Federal	INRA
W-43	W-32	Wet Meadow/ Scrub-Shrub (M/ SS)	BmB	Boyer loamy sand, 2 to 6 percent slopes	Federal	
W-44	W-45	Wooded Swamp/ Shallow Marsh (WS/ SM)	HmB2	Colwood silt loam, 0 to 2 percent slopes	Federal	
W-45	W-34	Wet Meadow (M)	Cw	Colwood silt loam, 0 to 2 percent slopes	Federal	
W-46	W-47	Wooded Swamp/ Wet Meadow/ (WS/ M)	Cw	Colwood silt loam, 0 to 2 percent slopes	Federal	
W-47	W-35	Shallow Marsh (SM)	Cw	Colwood silt loam, 0 to 2 percent slopes	Non-Federal(?)	
W-48	W-49	Wooded Swamp/ Wet Meadow/ (WS/ M)	DcA	Darroch silt loam, neutral variant, 0 to 3 percent slopes	Federal	
W-49	W-37	Wet Meadow/ Hardwood Swamp (M/ WS)	Cw	Colwood silt loam, 0 to 2 percent slopes	Non-Federal(?)	
W-50	W-54	Wooded Swamp/ Wet Meadow/ partially farmed (WS/ M/ Mf)	MgA	Martinton silt loam, 1 to 3 percent slopes	Federal	
W-51	W-38	Wet Meadow/ partially farmed/ Scrub-Shrub/ Shallow Marsh/ Hardwood Swamp (M/ Mf/ SS/ WS)	W	Water	Federal	

Table 1 - Summary of Wetlands Identified within the Study Area (see key below)						
2016 Wetland #	2012-13 Wetland #	Type and WDOT Mitigation Banking Acronym	Major Soil Type(s)		Jurisdiction	SEWRPC Corridor
W-52	W-55	Wooded Swamp/ Wet Meadow/ Scrub-Shrub/ (WS/ M/ SS)	W	Water	Federal	SEC
W-53	W-44	Wet Meadow/ Scrub-Shrub/ Shallow Marsh (M/ SS/ SM)	Cw	Colwood silt loam, 0 to 2 percent slopes	Federal	INRA
W-54	W-58	Wooded Swamp (WS)	OuC2	Ozaukee silt loam, 6 to 12 percent slopes, eroded	Non-Federal(?)	SEC
W-55	W-46	Wet Meadow/ partially farmed/ Scrub-Shrub (M/ Mf/ SS)	HmB2	Hochheim loam, 2 to 6 percent slopes, eroded	Federal	PEC
W-56	W-58	Wet Meadow (M)	OuC2	Ozaukee silt loam, 6 to 12 percent slopes, eroded	Non-Federal(?)	
W-57	W-50	Wooded Swamp (WS)	MgA	Martinton silt loam, 1 to 3 percent slopes	Non-Federal(?)	
W-58	W-60	Wet Meadow/ Scrub-Shrub (M/ SS)	Cw	Colwood silt loam, 0 to 2 percent slopes	Federal	SEC
W-59	W-51	Wet Meadow (M)	MgA	Martinton silt loam, 1 to 3 percent slopes	Non-Federal(?)	
W-61	W-52	Wet Meadow (M)	MgA	Martinton silt loam, 1 to 3 percent slopes	Federal	SEC
W-63	W-53	Wet Meadow/ Shallow Marsh/ Scrub Shrub (M/ SM/ SS)	MgA	Martinton silt loam, 1 to 3 percent slopes	Federal	SEC
W-65		Hardwood Swamp (WS)	MgA	Martinton silt loam, 1 to 3 percent slopes	Non-Federal	
W-67	W-56	Deep Marsh/ Shallow Marsh (DM/ SM)	MgA	Martinton silt loam, 1 to 3 percent slopes	Non-Federal	SEC
W-69	W-59	Wet Meadow/ Scrub-Shrub (M/ SS)	DcA	Darroch silt loam, neutral variant, 0 to 3 percent slopes	Federal	SEC
W-71		Shallow Marsh (SM)	Cw	Colwood silt loam, 0 to 2 percent slopes	Non-Federal(?)	

KEY

Wetland = Corresponds with wetland number shown on the maps in this report

Type = Type of wetland plant community

WDOT Mitigation Banking Acronym = Type-acronym using WDOT Mitigation Banking criteria

Dominant Species = Species generally dominating the wetland

Major Soil Type = The one or two predominant soil types mapped in the wetland

*= Hydric soil

**=Hydric soils included in mapping unit

Jurisdiction = Professional opinion of USACE jurisdiction (JD) based on federal criteria

SEWRPC Corridor = based on SEWRPC mapping / criteria: PEC is Primary Environmental Corridor;

SEC is Secondary Environmental Corridor; INRA is Isolated Natural Resource Area



Table 2 - Summary of Waterways/Waterbodies Identified within the Study Area (see key below)						
2016 Water-way #	2012-13 Water-way #	Waterway Name/Description	State Navigable	Jurisdiction	SEWRPC Corridor	Comments
WW-1	WW-3	Tributary to Cedar Creek	Yes (?)	Federal	SEC	Ditch on north side of STH 60; WBIC 5032551
WW-2	WW-1/ WW-2	Cedar Creek	Yes	Federal	SEC	Cedar Creek channel historically straightened; WBIC 21300
WW-3	WW-4	Tributary to Cedar Creek	Yes (?)	Federal	SEC	Ditch on north side of STH 60; WBIC 5032551
WW-4	WW-5	Tributary to Cedar Creek	Yes	Federal	SEC	Flows north through culvert into WW-5; WBIC 5032861; channel historically straightened
WW-5	WW-6	Tributary to Cedar Creek	Yes	Federal	SEC	Flow from WW-4; WBIC 5032861; channel historically straightened
WW-6	WW-8	Tributary to Cedar Creek	Yes	Federal	INRA	Flow from WW-5; WBIC 5032668; channel historically straightened
WW-6A	WW-7	Tributary to Cedar Creek	No	Federal	INRA	Small channel serving as an outlet for Pond 1; tributary to WW-6
WW-7	WW-7A	Tributary to Cedar Creek	No	Federal		Likely perennial base-flow; channel only 1 foot wide in places
WW-8		Tributary to Cedar Creek	No	Federal		Channel historically straightened; WBIC 5032666
WW-9	WW-9	Tributary to Cedar Creek	Yes	Federal	INRA	Channel historically straightened; WBIC 5032668
WW-10	WW-13	Tributary to Cedar Creek	Yes	Federal	SEC	WBIC 22900
WW-11	WW-10	Tributary to Cedar Creek	Yes(?)	Federal		WW-11 is adjacent to W-22
WW-12	WW-20	Tributary to Cedar Creek	Yes	Federal	SEC	Excavated channel; adjacent to historic fill; WBIC 5032656
WW-13	WW-11	Tributary to Cedar Creek	Yes	Federal	PEC	Historic channel straightening; WBIC 5032666
WW-15	WW-12	Tributary to Cedar Creek	Yes	Federal	SEC	WBIC 22900
WW-17	WW-19	Tributary to Cedar Creek	Yes	Federal	SEC	Excavated; Adjacent to W-55, which is partly a wooded and on the perimeter of WW-17
WW-18	WW-18	Tributary to Cedar Creek	Yes	Federal	SEC	Excavated channel
		Waterbody Description				
Pond 1	WW-7B	Pond in Residential Yard	Yes	Federal	INRA	Spring pond near residence
Pond 2	WW-14	Stormwater Pond	No(?)	Non-Federal?		Excavated for a residential subdivision
Pond 3	WW-17	Excavated Pond	No(?)	Non-Federal?	SEC	Excavated Pond - unknown use
Pond 4	WW-21	Stormwater Pond	No(?)	Non-Federal?		Excavated for commercial properties

KEY

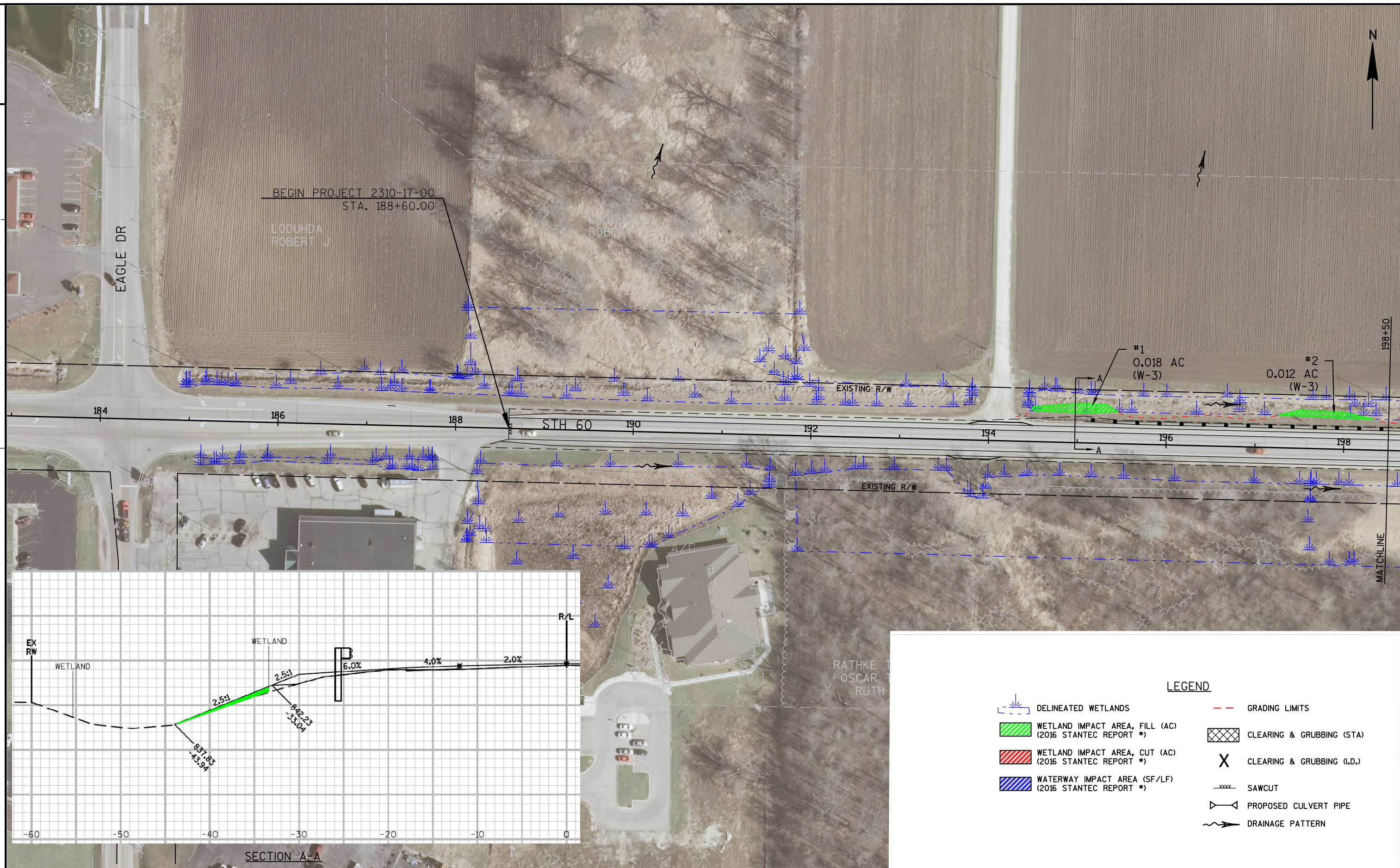
State Navigable = Appears to be navigable based on the standards of the State of Wisconsin

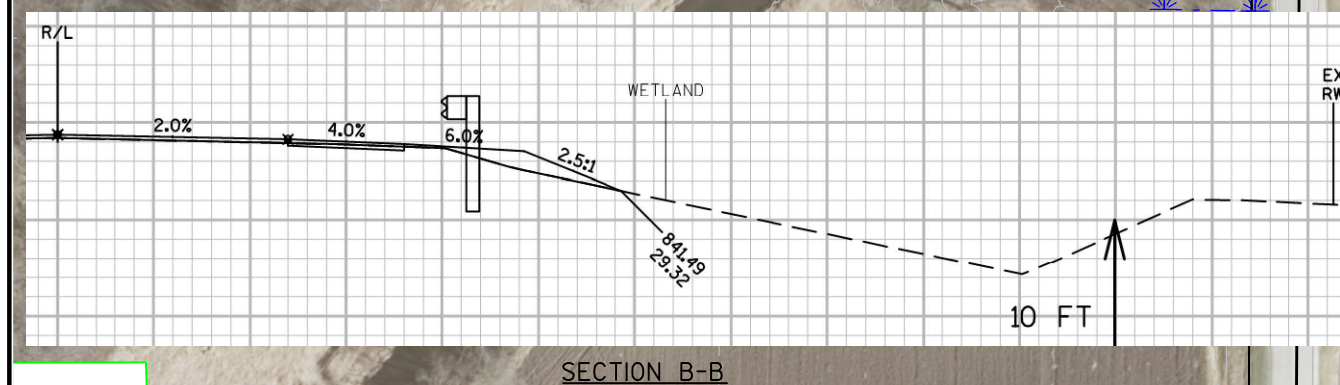
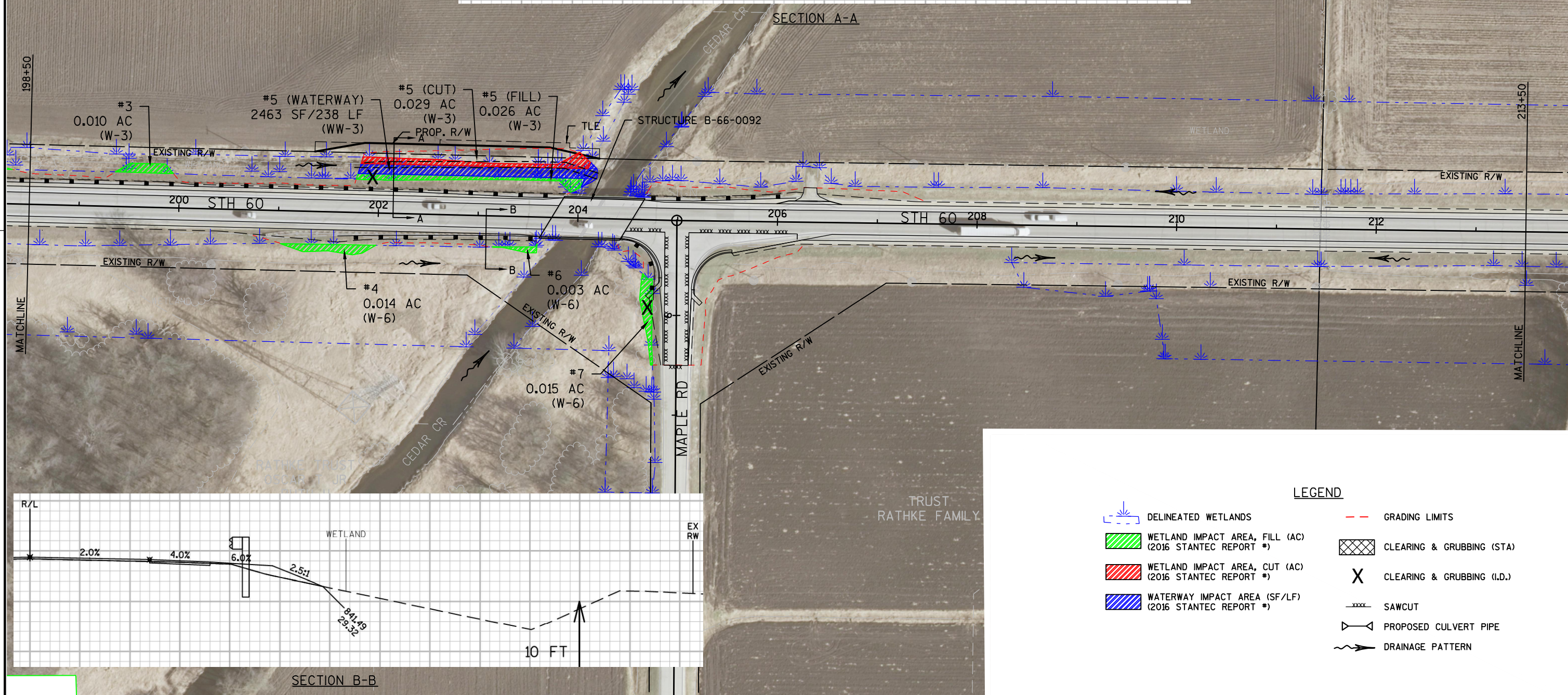
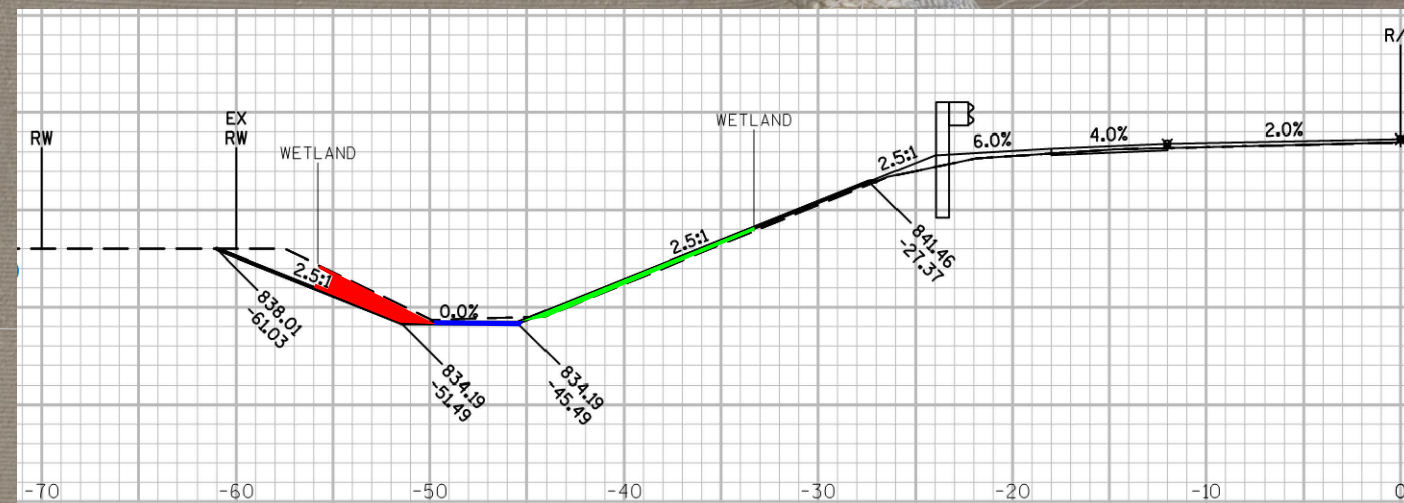
Jurisdiction = Professional opinion of USACE jurisdiction (JD) based on federal criteria

SEWRPC Corridor = based on SEWRPC mapping / criteria: PEC is Primary Environmental Corridor;

SEC is Secondary Environmental Corridor; INRA is Isolated Natural Resource Area

EXHIBIT D
WETLAND IMPACT AREA EXHIBIT





- LEGEND**
- DELINEATED WETLANDS
 - WETLAND IMPACT AREA, FILL (AC) (2016 STANTEC REPORT *)
 - WETLAND IMPACT AREA, CUT (AC) (2016 STANTEC REPORT *)
 - WATERWAY IMPACT AREA (SF/LF) (2016 STANTEC REPORT *)
 - GRADING LIMITS
 - CLEARING & GRUBBING (STA)
 - CLEARING & GRUBBING (I.D.)
 - SAWCUT
 - PROPOSED CULVERT PIPE
 - DRAINAGE PATTERN

PROJECT NO: 2310-17-70

HWY: STH 60

COUNTY: WASHINGTON & OZAUKEE

WETLAND IMPACT AREAS

SCALE, FEET

50 100

SHEET

E

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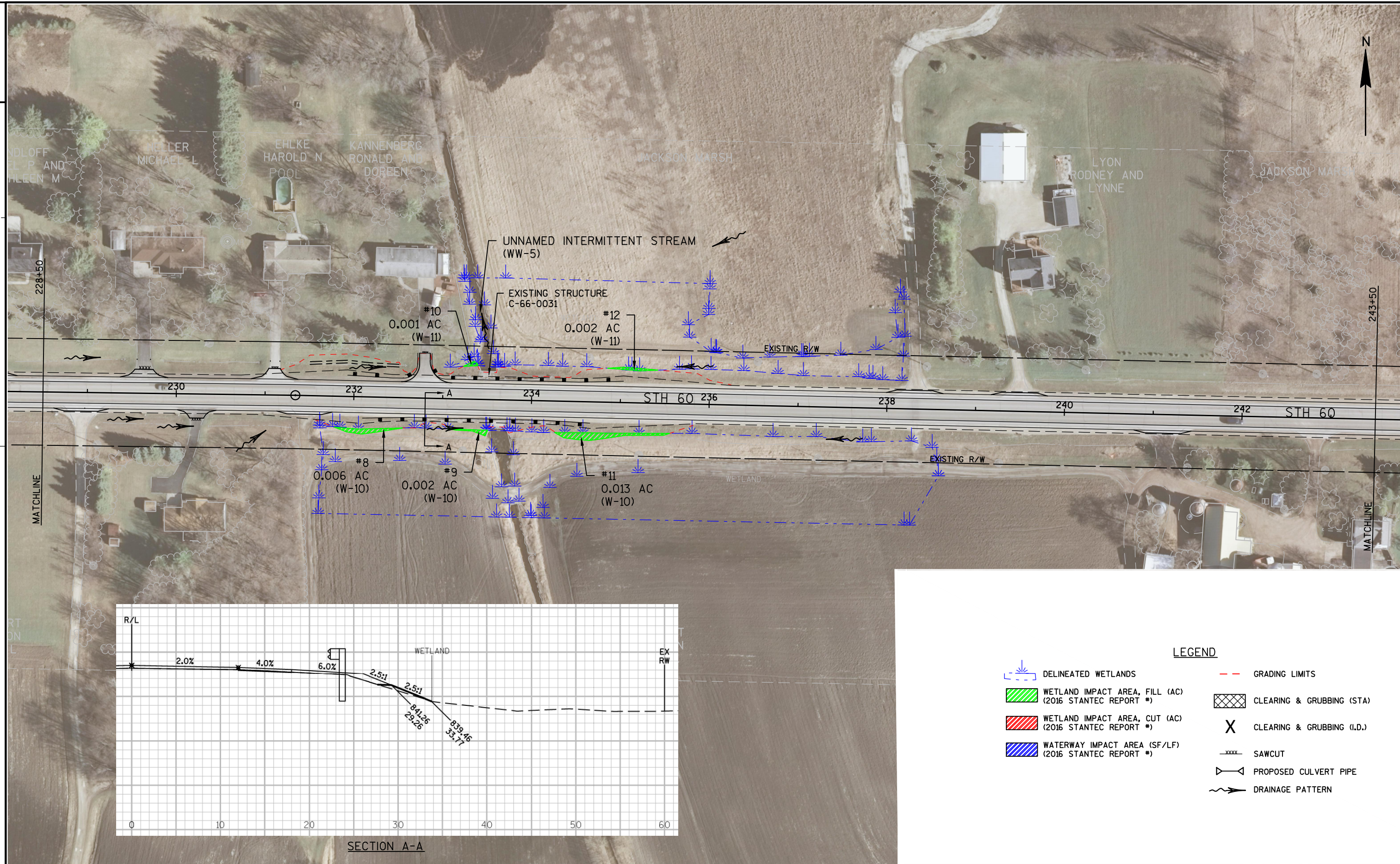
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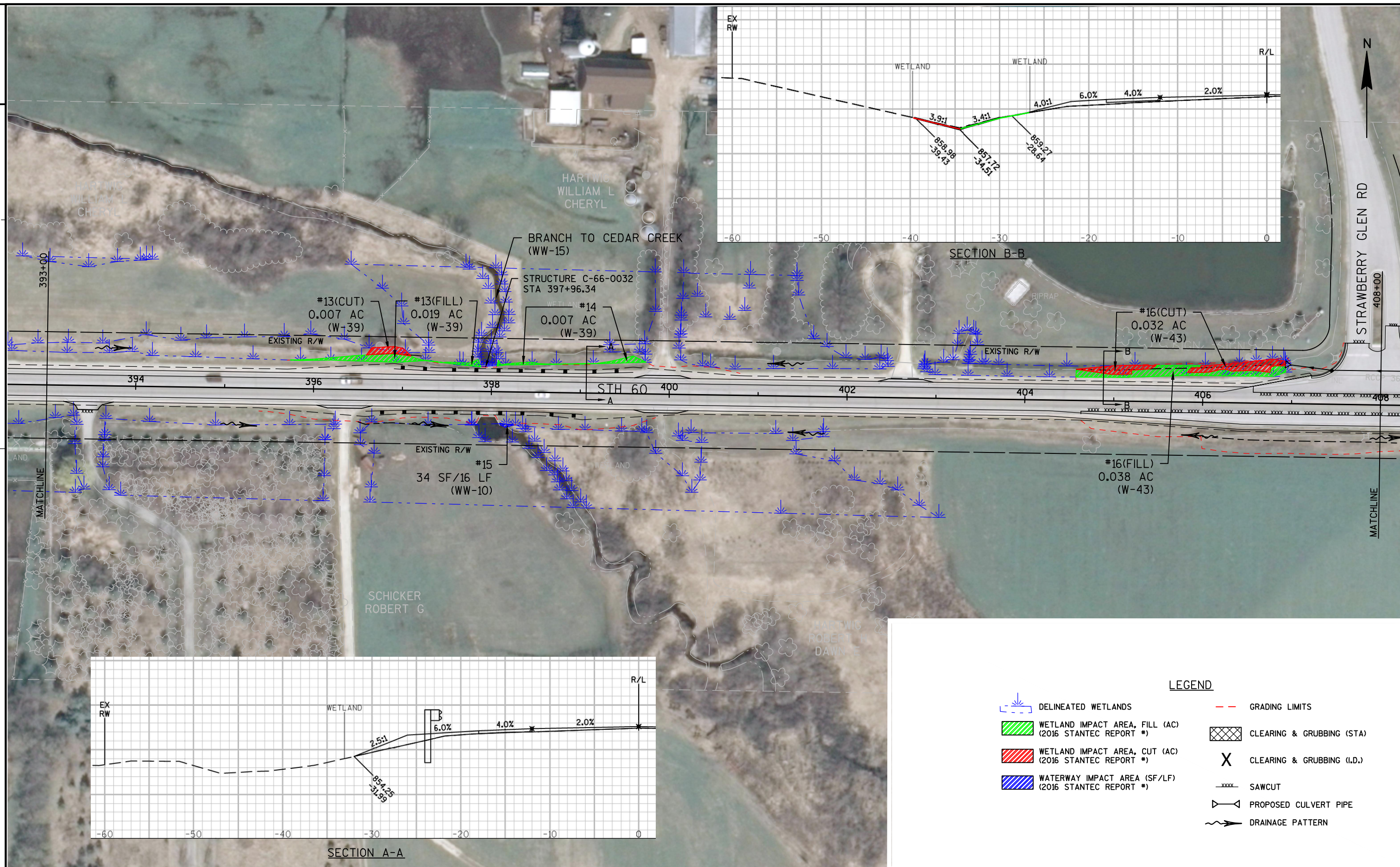
PLOT BY : MATT ROESCH

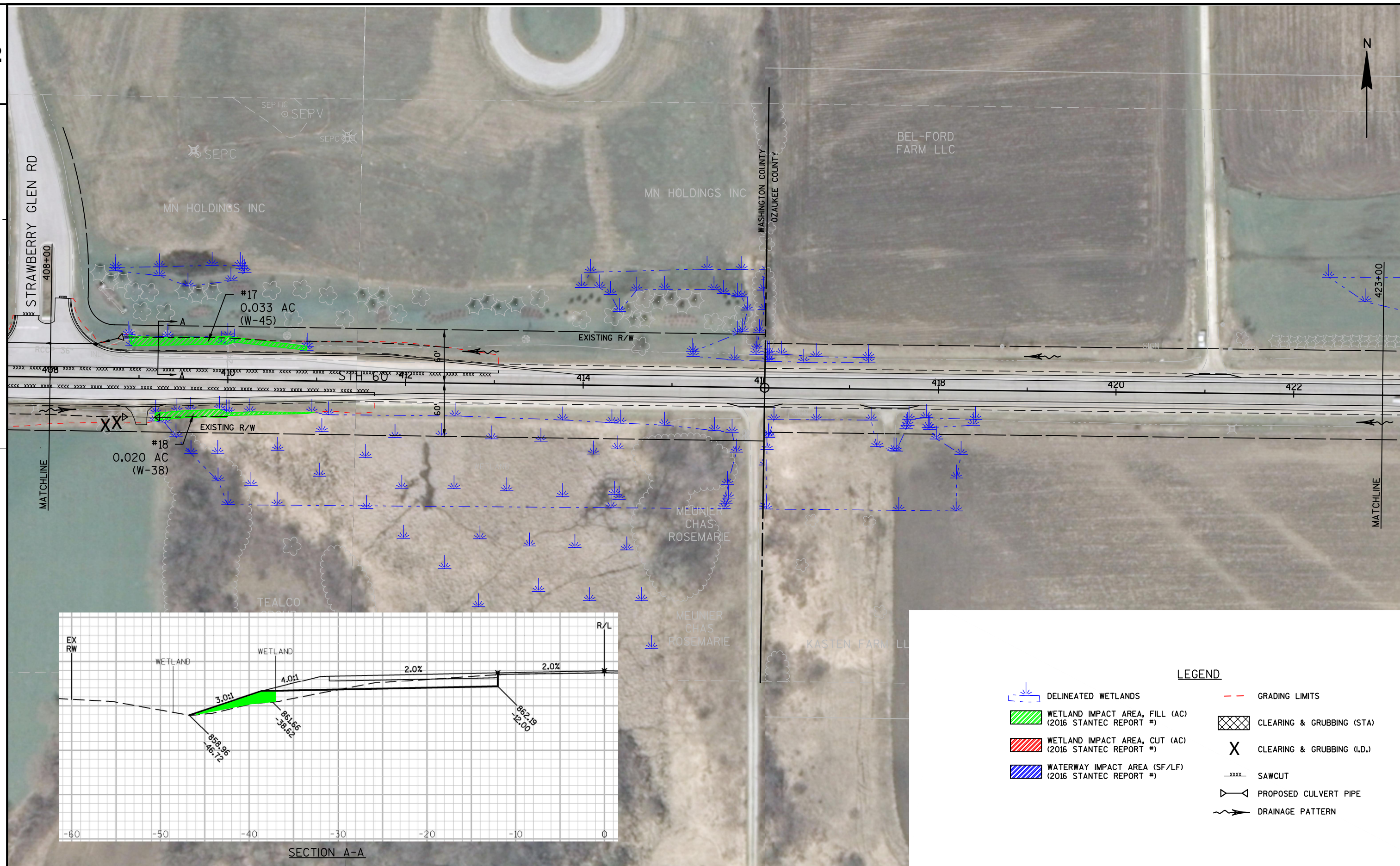
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PLOT SCALE : 1" = 100'-XREF

WISDOT/CADDs SHEET 42







PROJECT NO:2310-17-70

HWY:STH 60

COUNTY:WASHINGTON & OZAUKEE

WETLAND IMPACT AREAS

SCALE, FEET

50 100

SHEET

E

FILE NAME : G:\6906 - STH 60\CAD\EXHIBITS\20180208 WETLAND IMPACT EXHIBIT\WETLAND IMPACT EXHIBIT.DWG
LAYOUT NAME - 021011-RMWL - 021026

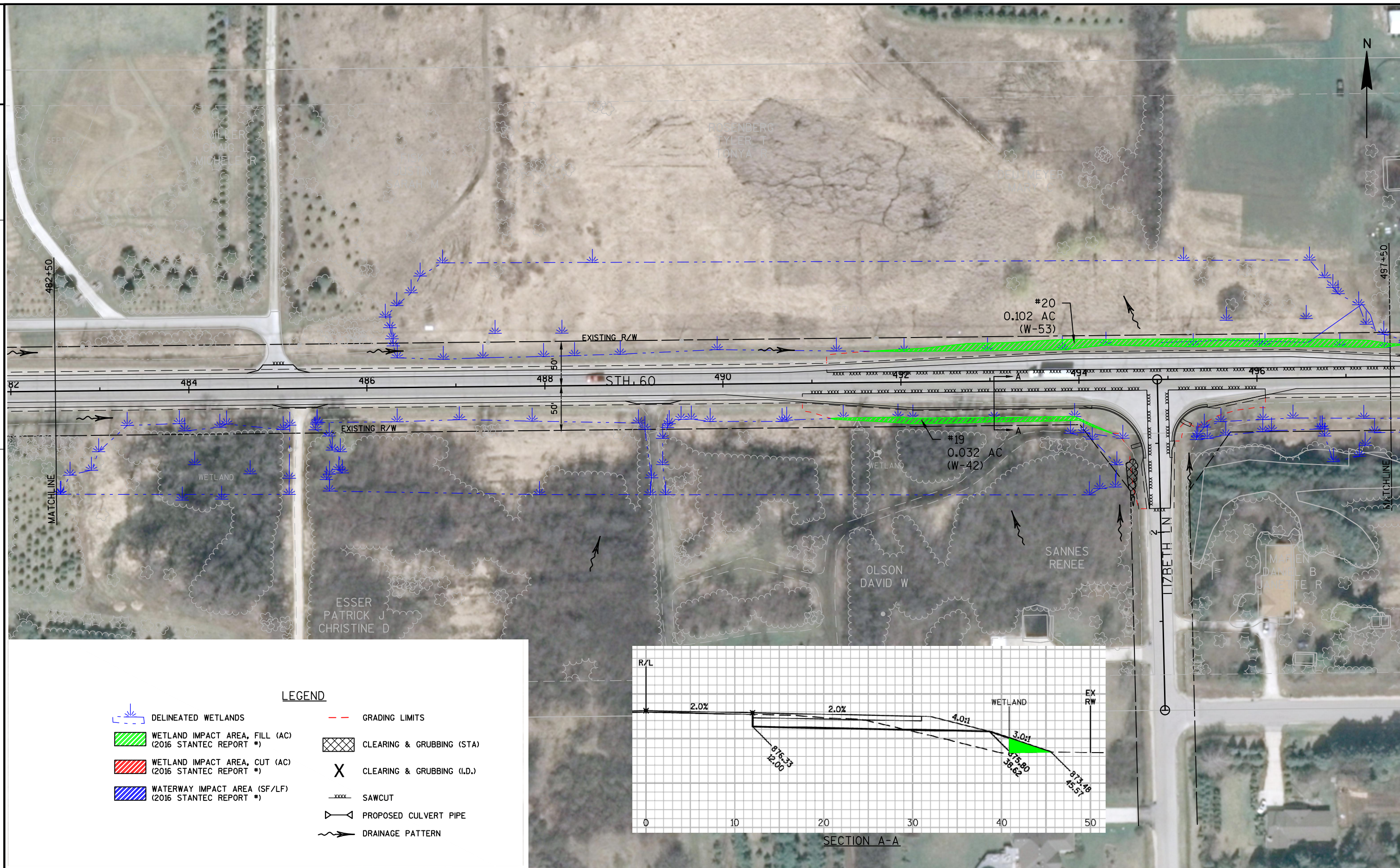
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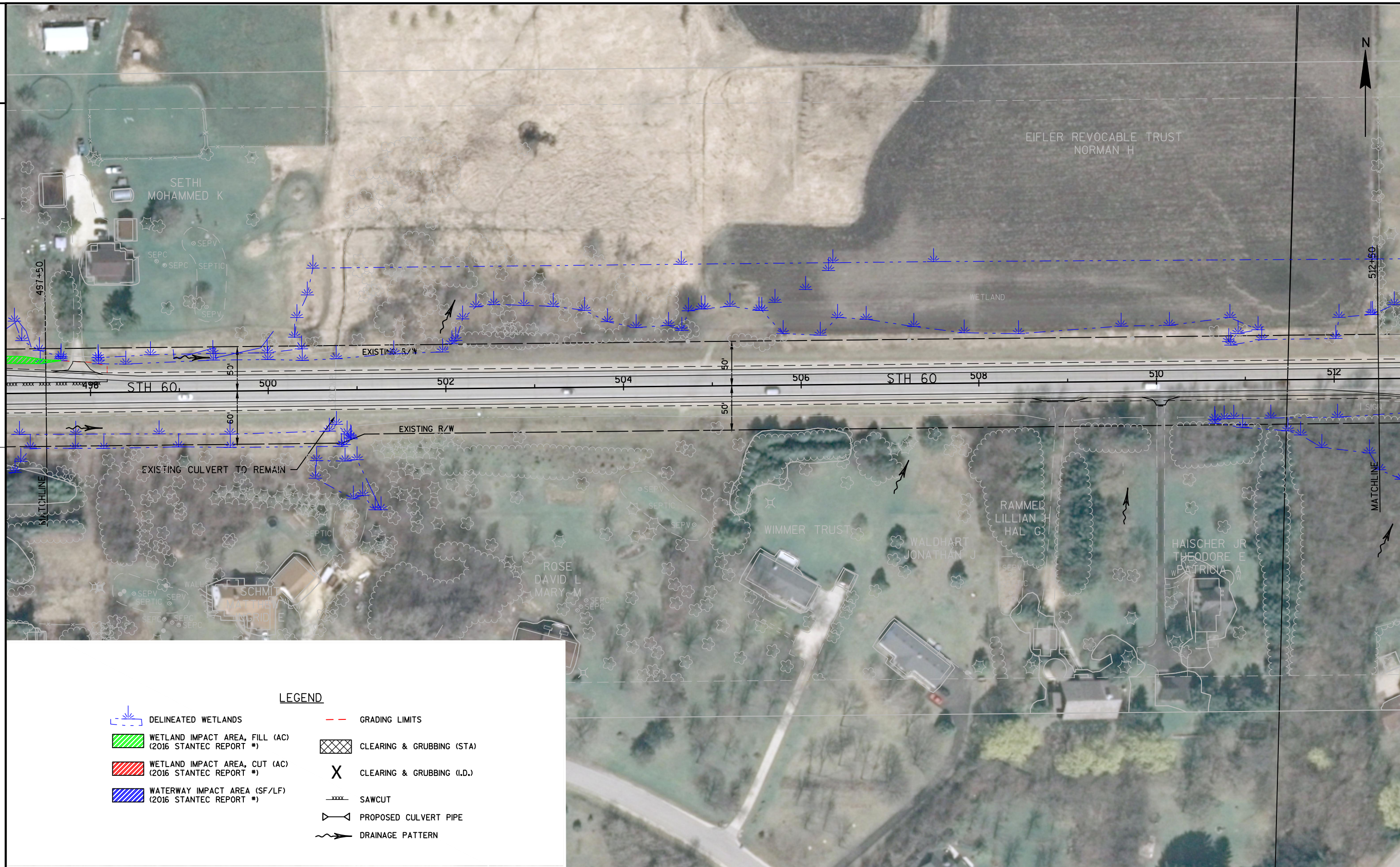
PLOT BY : MATT ROESCH

PLOT NAME :

PLOT SCALE : 1:100..XREF

WISDOT/CADDS SHEET 42





LEGEND

- | | | | |
|--|---|--|----------------------------|
| | DELINEATED WETLANDS | | GRADING LIMITS |
| | WETLAND IMPACT AREA, FILL (AC)
(2016 STANTEC REPORT #) | | CLEARING & GRUBBING (STA) |
| | WETLAND IMPACT AREA, CUT (AC)
(2016 STANTEC REPORT #) | | CLEARING & GRUBBING (I.D.) |
| | WATERWAY IMPACT AREA (SF/LF)
(2016 STANTEC REPORT #) | | SAWCUT |
| | | | PROPOSED CULVERT PIPE |
| | | | DRAINAGE PATTERN |

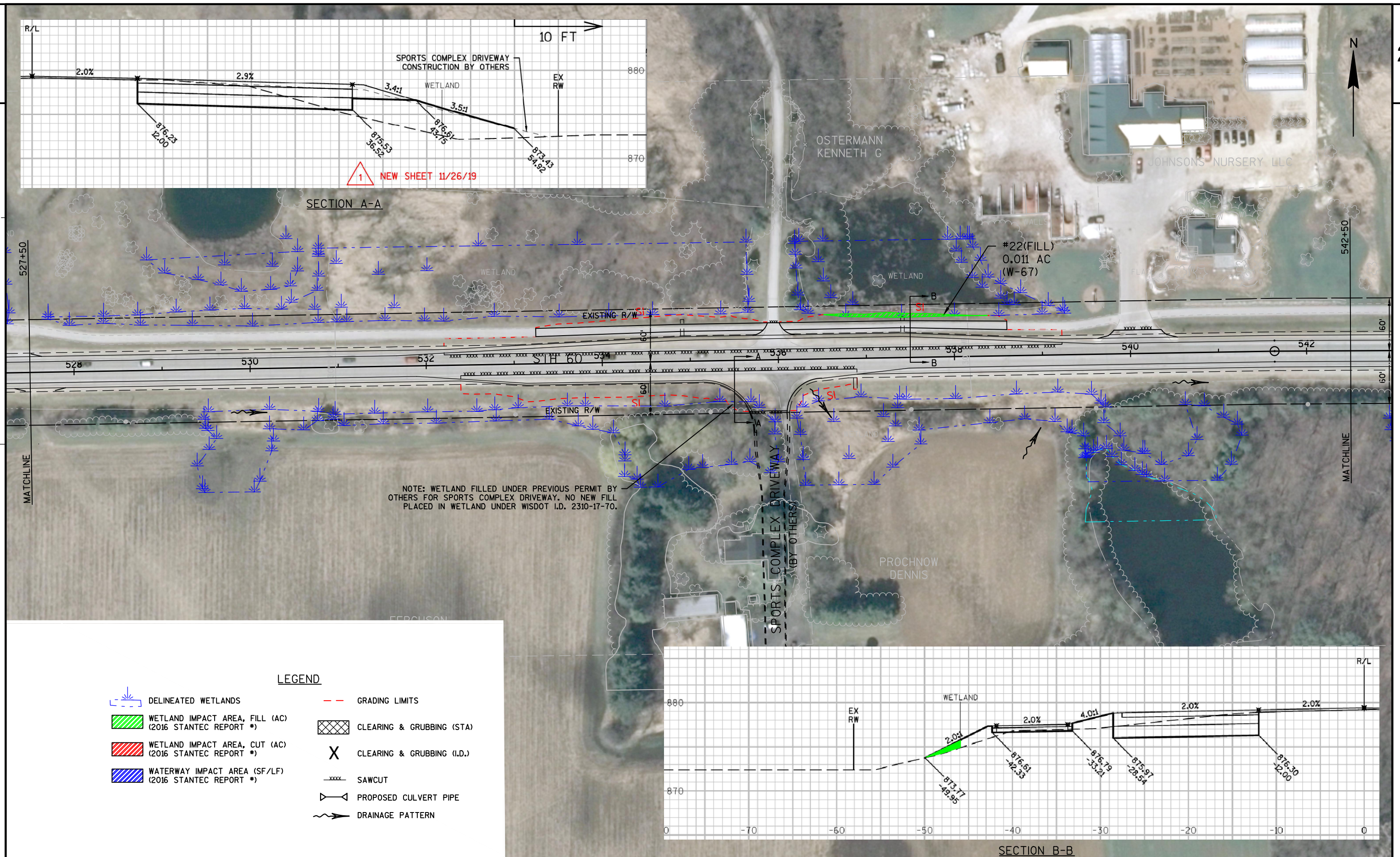


EXHIBIT E
WETLAND IMPACT TRACKING FORM



Wisconsin Department of Transportation

Division of Transportation System Development
SE Region

WETLAND IMPACT TRACKING FORM

****This form must be filled out for all projects.****

Return This Completed Form to:

Brenda Ruenger
Environmental Coordinator
WisDOT - SE Region
141 NW Barstow St
Waukesha, WI 53187
Phone: (262) 548-6709
brenda.ruenger@dot.wi.gov

Please Complete All
Information Highlighted In
Yellow

WisDOT Regional
Environmental Coordinator
(REC) Will Complete Sections
Highlighted In Green

Project Design I.D. #: 2310-17-00

Project Construction I.D. #: 2310-17-70

Hwy/ Project Title : STH 60

Eagle Drive to STH 181

County : Washington & Ozaukee

Construction Year : 2020

Date this form is completed: 11/26/2019

Date this form is approved:

This Form Prepared by:

Kevin Weighner

(414)282-6905

kweighner@collinsengr.com

NAME

PHONE

EMAIL

This Form Approved by:

Jennifer Gibson

920-492-4160

Jennifer.Gibson@dot.wi.gov

NAME

PHONE

EMAIL

Is a discharge of dredged or fill material into wetlands anticipated?

NO ☐ ➔ Form complete; no further information is required (RETURN FORM TO REC).

YES ☒ ➔ 1. Complete remainder of form:
- After final wetland impacts are determined, complete yellow portions on both pages of this form and submit to REC for finalization and approval.
2. Include this final APPROVED form with DNR 401 and USACE 404 permit applications.
3. After receiving USACE 404 permit and DNR 401 final concurrence, return this final APPROVED form to REC along with copy of USACE 404 permit, DNR 401 final concurrence letter, and D size plan sheet showing wetland impact areas.

Wetland Delineation/

Determination completed by:

William Poole

(608)839-2008

bill.poole@stantec.com

NAME

PHONE

EMAIL

Senior Environmental Scientist

QUALIFICATIONS

Describe methods used to avoid and minimize impacts to wetlands:

Steepened slopes to 2.5:1 behind beam guard and installed MGS 3 K (long post) beam guard in order to break the slope at the back of the post, instead of requiring a 2-ft flat area behind the post.

Was professional discretion
used to determine debit
ratio?

No

Yes

☐ ☒

Describe discretionary
rationale below:

Washington County impacts fall with the WisDOT Southern Mississippi bank region; however, the impacts are actually located within the Lake Michigan Basin. This inconsistency is due to the fact that the bank region boundaries follow county boundaries and not the natural watershed boundaries. Due to this fact, it is acceptable to use Peshtigo Brook Phase 2 bank. 0.5 was added onto the compensation ratios for impacts in Washington County since the mitigation is occurring outside of the impact bank region administrative boundaries.

WETLAND IMPACT / REPLACEMENT SUMMARY

Type Impacted	Area Impacted	Type Mitigated	Area Mitigated
AB	-	AB	-
BOG	-	BOG	-
DM	-	DM	-
M	0.03	M	0.65
RPE	0.16	RPE	-
RPF	-	RPF	-
SM	0.03	SM	0.03
SS	0.17	SS	0.11
WS	0.13	WS	-
AB(D)	-	TOTAL	0.79
DM(D)	-		
M(D)	-		
RPE(D)	0.02		
RPF(D)	-		
SM(D)	-		
SS(D)	-		
WS(D)	-		
TOTAL	0.54		



WETLAND IMPACT TRACKING FORM - PAGE 2

DETAILED TABLE OF WETLAND IMPACTS

Directions to complete Page 2:

1. One location may be made up of several different wetland types. List each type of wetland impacted from each location on the project corridor separately in the table below.
2. The Environmental Coordinator will enter the appropriate ratio and bank information.
3. Use Department of Transportation Wetland Classification System:
<http://roadwaystandards.dot.wi.gov/standards/fdm/24-05-010att.pdf#fd24-5a10.2>

4. Total areas should be reported to the **nearest 0.001-acre**. Any impacts less than 0.001-acre should be rounded up to 0.001-acre. Impacts/mitigation will be summed by type and rounded to the nearest 0.01-acre.

Point #	Wetland ID	Impact Location (project station)	Lat/Long	Type Impacted	Area Impacted	DOT REC will provide this information.		
						Debit Ratio	Type Mitigated	Area Mitigated
1	W-3	STA 194+48 to 195+45 LT	43° 19' 25.34" N 88° 08' 45.40" W	RPE	0.018	1.800	M	0.032
2	W-3	STA 197+26 to 198+32 LT	43° 19' 25.28" N 88° 08' 41.63" W	RPE	0.012	1.800	M	0.022
3	W-3	STA 199+35 to 199+94 LT	43° 19' 25.23" N 88° 08' 39.06" W	RPE	0.010	1.800	M	0.018
4	W-6	STA 201+03 to 201+98 RT	43° 19' 24.26" N 88° 08' 36.57" W	RPE	0.014	1.800	M	0.025
5	W-3	STA 201+77 to 204+18 LT	43° 19' 25.20" N 88° 08' 34.59" W	RPE	0.055	1.800	M	0.099
6	W-6	STA 203+15 to 203+60 RT	43° 19' 24.44" N 88° 08' 33.95" W	RPE	0.003	1.800	M	0.005
7	W-6	STA 204+64 to 204+78 RT	43° 19' 23.86" N 88° 08' 32.27" W	RPE	0.015	1.800	M	0.027
8	W-10	STA 231+78 to 232+55 RT	43° 19' 24.00" N 88° 07' 55.21" W	RPE(D)	0.006	1.600	M	0.010
9	W-10	STA 233+06 to 233+51 RT	43° 19' 24.00" N 88° 07' 53.45" W	RPE(D)	0.002	1.600	M	0.003
10	W-11	STA 233+22 to 233+39 LT	43° 19' 24.75" N 88° 07' 53.53" W	RPE	0.001	1.800	M	0.002
11	W-10	STA 234+27 to 235+56 RT	43° 19' 23.94" N 88° 07' 51.70" W	RPE(D)	0.013	1.600	M	0.021
12	W-11	STA 234+85 to 235+41 LT	43° 19' 24.67" N 88° 07' 55.07" W	RPE	0.002	1.800	M	0.004
13	W-39	STA 395+73 to 397+87 LT	43° 19' 21.06" N 88° 04' 12.40" W	RPE	0.026	1.800	M	0.047
14	W-39	STA 398+06 to 399+73 LT	43° 19' 21.01" N 88° 04' 08.75" W	RPE	0.007	1.800	M	0.013
16	W-43	STA 404+52 to 406+93 LT	43° 19' 20.89" N 88° 04' 00.30" W	SS	0.070	1.500	SS	0.105
17	W-45	STA 408+88 to 410+88 LT	43° 19' 20.91" N 88° 03' 55.00" W	M	0.033	1.500	M	0.050
18	W-38	STA 409+19 to 410+98 RT	43° 19' 20.10" N 88° 03' 54.79" W	SM	0.020	1.500	SM	0.030
19	W-42	STA 491+21 to 494+36 RT	43° 19' 19.73" N 88° 02' 05.64" W	WS	0.032	1.200	M	0.038
20	W-53	STA 491+66 to 497+67 LT	43° 19' 20.58" N 88° 01' 59.79" W	SS	0.102	1.200	M	0.122

21	W-46	STA 513+04 to 517+48 RT	43° 19' 19.95" N 88° 01' 31.69" W	WS	0.102	1.200	M	0.122
22	W-67	STA 536+52 to 538+38 LT	43° 19' 21.31" N 88° 01' 02.60" W	SM	0.011			0.000

Is there potential for onsite mitigation? If unknown, check with the REC.

YES ☐ Where is it located? (T/R, station, map)

NO ☒ List bank site to be used. **(Determined by REC)**

Please attach another sheet if the space provided is not adequate for all impacts or to add any additional comments.

Available at: *[enter location of file]*

Revised 3/2015

EXHIBIT F

WISCONSIN DNR FINAL CONCURRENCE LETTER



August 7, 2018

John Kanzenbach
Wis DOT
141 NW Bartow St
Waukesha WI 53187

Subject: DNR Final Concurrence

Project ID: 2310-17-00
Construction ID: 2310-17-70
STH 60, Eagle Dr to STH 181
Washington & Ozaukee County
Township 10N Range 20E Section 21
FIN: 63710

Dear Mr. John Kanzenbach :

Thank you for the information regarding the project referenced above. Based on the information provided to the Wisconsin Department of Natural Resources (DNR), the final project design addresses the environmental issues raised through the initial review and coordination process. DNR has determined that the water quality, floodplain and wetland protection objectives of the DNR/DOT (Wisconsin Department of Transportation) Cooperative Agreement have been met. This concurrence also constitutes Water Quality Certification pursuant to Section 401, under the Federal Clean Water Act. The DNR has evaluated this proposal and has determined that this activity will be conducted in a manner which is consistent with the standards contained in chapters NR 103 and NR 299, Wis. Adm. Code, Water Quality Certification is granted.

Should the scope of the project change, consultation with the DNR must be reinitiated. Any additional project related work proposed under the Erosion Control Implementation Plan (ECIP) will be evaluated by DNR within 14 days for sensitive resources, potential impacts to the environment, and erosion and sediment control. Those proposed activities shown to be in compliance with Ch. 283, Wis. Stats will be added to the original application as an amendment. Further comments on the project may be presented at the preconstruction conference. DNR understands that project construction will be in conformance with our initial review letter, previous coordination, the DNR/DOT Cooperative Agreement, and the following:

Wetlands:

This project will result in the filling of 0.53 acres of wetlands. The wetland type(s) are classified as deep and shallow marsh, wooded swamp and RPE. The DNR understands that these losses will be charged against the Peshtigo bank in Peshtigo Brook Phase II bank in Oconto County for a total debit of 0.79 acres of mitigation credit.

Fisheries/Stream Work:

As established in previous coordination, Cedar Creek and both tributaries to Cedar Creek are navigable waterways and warm water fisheries. There shall be no in-stream disturbance between March 1st and June 1st, with both dates inclusive of the timeout period. This includes work that disturbs the bed or banks of the waterway. This construction BMP minimizes impacts to fish and other aquatic organisms during sensitive time periods, such as spawning and migration.

Endangered Resources:

No concerns Based upon a review of the Natural Heritage Inventory (NHI) Cedar Creek tributaries are habitat for the Lake Chubsucker (*Erimyzon sucetta*), a State Special Concern Species, and the Ellipse Mussel (*Venusta concha ellipsiformis*), a State Threatened Species. To avoid impacting these species, no instream activity should be allowed March 15 through July 15.

With this review the following has also been determined:

- There are no known Northern Long-eared Bat (NLEB) maternity roost trees within 150 feet or known hibernacula within 0.25 miles of the proposed project area.
- This project is located outside of any High Potential Zones (HPZ) for the Rusty Patched Bumblebee (RPBB), and therefore should have no impact on this federally endangered species.
- ❖ *NHI Disclaimer: This review letter may contain NHI data, including specific locations of endangered resources, which are considered sensitive and are not subject to Wisconsin's Open Records Law. As a result, information contained in this review letter may be shared only with individuals or agencies that require this information in order to carry out specific roles in the permitting, planning, and implementation of the proposed project. Specific locations of endangered resources may not be released or reproduced in any publicly disseminated documents.*

Waterway and Floodplain:

DNR has no habitat concerns as it pertains to these predicted floodplain elevations. However, if the floodplain will be raised or lowered, in accordance with the DNR/DOT Cooperative Agreement, DOT must notify the Ozaukee County Zoning Administrator of this predicted upstream water surface elevation and provide a copy of the study, so that the spirit and intent of the procedure in chapter NR 116, Wis. Adm. Code are followed.

Transportation Construction General WPDES Permit: The DNR also has determined that construction site activities associated with the subject project will be regulated under ch. 283, Wis. Stats., ch. NR 216, Wis. Adm. Code, and in accordance with Wisconsin Pollutant Discharge Elimination System (WPDES) General Permit No. WI-S066796-01, for Department of Transportation Discharges of Storm Water Associated with Land Disturbing Construction Activity (Transportation General Permit or TGP). All erosion control and storm water management activities undertaken at the site must be done in accordance with the terms and conditions of the general permit.

The DNR understands that the DOT will submit a project-specific ECIP as an amendment for DNR review within 14 days prior to starting construction. A Certificate of Permit Coverage is enclosed and must be posted in a conspicuous place on the construction site. When construction activities have

ceased and the site has undergone final stabilization, a Notice of Termination (NOT) of coverage under the general permit must be submitted to the DNR.

- ❖ ***NOTE:** As the ECIP is developed, remember that all selected sites for waste and/or borrow must be an **adequate distance from and not within any waterway, wetland, or floodplain.** Selected sites must have erosion control measures installed to prevent offsite sediment runoff, both temporary and/or permanent. Additional environmental review will have to be conducted on selected sites that are not permitted (commercial) facilities. Non-permitted selected sites must be identified in the ECIP and will be subject to additional DNR review and coordination.*

If you have any questions, please contact this office at (414) 507-4946, or email at Kristina.Betzold@wisconsin.gov .

Sincerely,



Kristina Betzold
Environmental Analysis & Review Specialist

ENCLOSURE: Certificate of Permit Coverage



CERTIFICATE OF PERMIT COVERAGE

UNDER THE WPDES CONSTRUCTION SITE STORM WATER RUNOFF PERMIT Permit No. WI-S066796-01

Under s. NR 216.455(2), Wis. Adm. Code, landowners of construction sites with storm water discharges regulated by the Wisconsin Department of Natural Resources (WDNR) Storm Water Permit Program are required to post this certificate in a conspicuous place at the construction site. This certifies that the site has been granted WDNR storm water permit coverage. The landowner must implement and maintain erosion control practices to limit sediment-contaminated runoff to waters of the state in accordance with the permit.

EROSION CONTROL COMPLAINTS should be reported to the WDNR Tip Line at **1-800-TIP-WDNR (1-800-847-9367)**

Please provide the following information to the Tip Line:

WDNR Site No. (FIN): 63710

Site Name: STH 60, Eagle Dr to STH 181, STH 60, Washington & Ozaukee Co

Address/Location: Eagle Dr to STH 181 Town of JACKSON

Additional Information:

Landowner: Wis DOT - 2310-17-00; 2310-17-70

Landowner's Contact Person: John Kanzenbach

Contact Telephone Number: (414) 750-0790

Permit Start Date: August 07, 2018

By: *Kristina Betzold*

EXHIBIT G

US FISH & WILDLIFE SERVICE ENDANGERED SPECIES LIST



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Green Bay Ecological Services Field Office
2661 Scott Tower Drive
New Franken, WI 54229-9565
Phone: (920) 866-1717 Fax: (920) 866-1710



In Reply Refer To:
Consultation Code: 03E17000-2015-SLI-0240
Event Code: 03E17000-2018-E-01331
Project Name: WIS 60 Resurfacing Project

February 19, 2018

Subject: Updated list of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The attached species list identifies any federally threatened, endangered, proposed and candidate species that may occur within the boundary of your proposed project or may be affected by your proposed project. The list also includes designated critical habitat if present within your proposed project area or affected by your project. This list is provided to you as the initial step of the consultation process required under section 7(c) of the Endangered Species Act, also referred to as Section 7 Consultation.

Section 7 of the Endangered Species Act of 1973 requires that actions authorized, funded, or carried out by Federal agencies not jeopardize federally threatened or endangered species or adversely modify designated critical habitat. To fulfill this mandate, Federal agencies (or their designated non-federal representative) must consult with the Service if they determine their project "may affect" listed species or critical habitat.

Under 50 CFR 402.12(e) (the regulations that implement Section 7 of the Endangered Species Act) the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally. You may verify the list by visiting the ECOS-IPaC website <http://ecos.fws.gov/ipac/> at regular intervals during project planning and implementation and completing the same process you used to receive the attached list. As an alternative, you may contact this Ecological Services Field Office for updates.

Please use the species list provided and visit the U.S. Fish and Wildlife Service's Region 3 Section 7 Technical Assistance website at - <http://www.fws.gov/midwest/endangered/section7/s7process/index.html>. This website contains step-by-step instructions which will help you determine if your project will have an adverse effect on listed species and will help lead you through the Section 7 process.

For all **wind energy projects** and **projects that include installing towers that use guy wires or are over 200 feet in height (e.g., communication towers)**, please contact this field office directly for assistance, even if no federally listed plants, animals or critical habitat are present within your proposed project or may be affected by your proposed project.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

Although no longer protected under the Endangered Species Act, be aware that bald eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*) and Migratory Bird Treaty Act (16 U.S.C. 703 *et seq.*), as are golden eagles. Projects affecting these species may require measures to avoid harming eagles or may require a permit. If your project is near an eagle nest or winter roost area, see our Eagle Permits website at <http://www.fws.gov/midwest/midwestbird/EaglePermits/index.html> to help you determine if you can avoid impacting eagles or if a permit may be necessary.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Green Bay Ecological Services Field Office

2661 Scott Tower Drive

New Franken, WI 54229-9565

(920) 866-1717

Project Summary

Consultation Code: 03E17000-2015-SLI-0240

Event Code: 03E17000-2018-E-01331

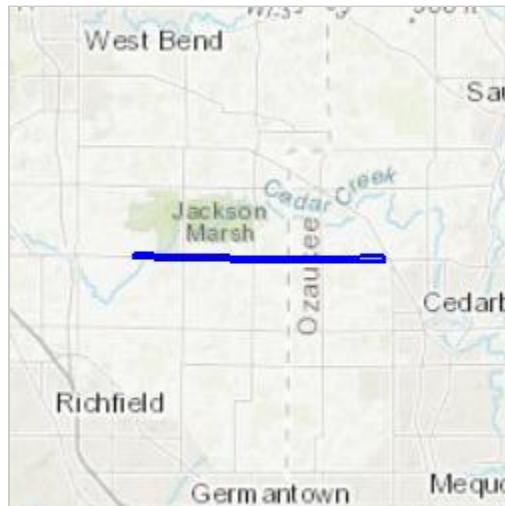
Project Name: WIS 60 Resurfacing Project

Project Type: TRANSPORTATION

Project Description: ID 2310-17-00
STH 60
Eagle Dr to STH 181
Washington & Ozaukee Counties

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/43.3230859018975N88.07898161266147W>



Counties: Ozaukee, WI | Washington, WI

Endangered Species Act Species

There is a total of 4 threatened, endangered, or candidate species on this species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Birds

NAME	STATUS
Whooping Crane <i>Grus americana</i> Population: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/758	Experimental Population, Non- Essential

Insects

NAME	STATUS
Hine's Emerald Dragonfly <i>Somatochlora hineana</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7877	Endangered

Flowering Plants

NAME	STATUS
Eastern Prairie Fringed Orchid <i>Platanthera leucophaea</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/601	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



United States Department of Interior
Fish and Wildlife Service

Project name: WIS 60 Resurfacing Project

Critical habitats that lie within your project area

There are no critical habitats within your project area.

EXHIBIT H

NORTHERN LONG EARED BAT CONSULTATION FORM

Kevin Weighner

From: Rachel Tranel
Sent: Wednesday, September 23, 2015 10:04 AM
To: Andrew_Horton@fws.gov
Cc: Barrette, Alyssa - DOT; Sackman, Heather L - DOT; Lee, Scott - DOT; Kevin Weighner
Subject: WisDOT ID 2310-17-00/70: STH 60 Resurfacing, Washington and Ozaukee Counties - NLEB Consultation
Attachments: 2310-17-00(70) Official SpeciesList.pdf; 2310-17-00(70) ProjectSubmittalForm090115.pdf; 2310-17-00(70)IPaC resources.pdf

Good morning,

The Wisconsin Department of Transportation is developing a project for the resurfacing of WIS 60 from Eagle Drive to WIS 181 in Washington and Ozaukee Counties (ID 2310-17-00/70). The purpose of the project is to improve pavement conditions, add bicycle accommodations, and improve intersections to current WisDOT standards. The proposed action includes resurfacing the roadway pavement along WIS 60 from Eagle Drive to WIS 181, widening the paved shoulder width to 6-ft to accommodate bicycles, adding/improving right turn lanes and bypass lanes at intersections. The bridge on WIS 60 over Cedar Creek will be widened to meet necessary intersection improvements. Easements and right of way acquisition will be required at some of the intersections for grading and drainage improvements. Construction is currently scheduled for 2020.

Based on the scope of the project and recently released guidance, we have determined that this project is not likely to affect the Northern Long-eared Bat (NLEB), provided the applicable Avoidance and Minimization Measures (AMMs) are implemented.

Attached are the documents required for the Range-wide Programmatic Informal Consultation for the NLEB, including the Section 7 report & IPAC report, official species list, and the project submittal form. Please review and comment as applicable. If we do not hear back within the 14-day observation period, we will assume the project is clear to proceed.

Thank you in advance,
Rachel Tranel, P.E. LEED AP
Consultant Project Manager

Cc: Alyssa Barrette/WisDOT Environmental Services
Heather Sackman/WisDOT Project Manager
Scott Lee/WisDOT Regional Environmental Coordinator
Kevin Weighner/Consultant Project Engineer

Rachel A. Tranel, P.E., LEED AP
COLLINS ENGINEERS, INC.
2033 West Howard Avenue
Milwaukee, WI 53221
Phone 414.282.6905 Ext. 2312
Fax 414.282.6955
Cell 414.349.1551
24-Hour Emergency Response: 877.346.3234
rtranel@collinsengr.com
Visit us at www.collinsengr.com

Federal Highway Administration (FHWA) and Federal Railroad Administration (FRA)
Range-wide Programmatic Informal Consultation for
Indiana Bat and Northern Long-eared Bat

Project Submittal Form for FHWA, FRA, and Transportation Agencies
Updated June 23, 2015

In order to use the programmatic informal consultation to fulfill Endangered Species Act consultation requirements, transportation agencies must use this form to submit project-level information for all may affect, not likely to adversely affect (NLAA) determinations to the appropriate U.S. Fish and Wildlife Service (Service) field office prior to project commencement. For more information, see the Standard Operating Procedure for Site Specific Project(s) Submission in the User's Guide.

In submitting this form, the transportation agency ensures that the proposed project(s) adhere to the criteria of the range-wide programmatic informal BA. Upon submittal of this form, the appropriate Service field office may review the site-specific information provided and request additional information. If the applying transportation agency is not notified within 14 calendar days of emailing the Project Submittal Form to the Service field office, it may proceed under the range-wide programmatic informal consultation.

Further instructions on completing the form can be found by hovering your cursor over each text box.

1. Date:

2. Lead Agency:

This refers to the Federal governmental lead action agency initiating consultation; select FHWA or FRA as appropriate

3. Requesting Agency:

a. Name:

b. Title:

c. Phone:

d. Email:

4. Consultation Code¹:

5. Project Name(s):

¹ Available through IPaC System Official Species List: <https://ecos.fws.gov/ipac/>

6. Project Description:

Please attach additional documentation or explanatory text if necessary

7. Other species from Official Species List:

No effect – project(s) are inside the range, but no suitable habitat – see additional information attached

May Affect – see additional information provided for those species (either attached or forthcoming)

8. For Ibat/NLEB, if Applicable, Explain Your No Effect Determination

No effect – project(s) are outside the species' range (*form complete*)

No effect – project(s) are inside the range, but no suitable summer habitat (*form complete*)

No effect from maintenance, alteration, or demolition of bridge(s)/structure(s) – results of inspection surveys indicate no signs of bats. (*form complete*)

No effect – other (*see Section 2.2 of the User's Guide – form complete*)

Otherwise, please continue below.

9. Affected Resource/Habitat Type

Trees

Bridge

Other Non-Tree Roosting Structure (e.g., building)

Other (please explain):

10. For Tree Removal Projects:

- a. Please verify that no documented roosts or foraging habitat will be impacted and that project is within 100 feet of existing road surface:
- b. Please verify that all tree removal will occur during the inactive season²:
- c. Timing of clearing:
- d. Amount of clearing:

11. For Bridge/Structure Work Projects:

- a. Proposed work:
- b. Timing of work:
- c. Evidence of bat activity on bridge/structure:
- d. If applicable, verify that superstructure work will not bother roosting bats in any way:
- e. If applicable, verify that bridge/structure work will occur only in the winter months:

² Coordinate with local Service field office for appropriate dates.

12. Please confirm the following:

Proposed project(s) adhere to the criteria of the range-wide programmatic informal BA (see Section 2.0).

All applicable AMMs will be implemented, including³:

Tree Removal AMM 1:

Dust Control AMM 1:

Tree Removal AMM 2:

Water Control AMM 1:

Tree Removal AMM 3:

Water Control AMM 2:

Tree Removal AMM 4:

Water Control AMM 3:

Bridge AMM 1:

Water Control AMM 4:

Bridge AMM 2:

Water Control AMM 5:

Bridge AMM 3:

Water Control AMM 6:

Bridge AMM 4:

Wetland/Stream Protection AMM 1:

Structure AMM 1:

Wetland/Stream Protection AMM 2:

Structure AMM 2:

Wetland/Stream Protection AMM 3:

Structure AMM 3:

Wetland/Stream Protection AMM 4:

Structure AMM 4:

Wetland/Stream Protection AMM 5:

Lighting AMM 1:

Wetland/Stream Protection AMM 6:

Lighting AMM 2:

³ See AMMs Fact Sheet (Appendix B) for more information on the following AMMs.

EXHIBIT I
SECTION 106 APPROVAL



SECTION 106 REVIEW ARCHAEOLOGICAL/HISTORICAL INFORMATION

Wisconsin Department of Transportation
DT1635 6/2014

RECEIVED
DEC 1 2015

15-0443/02/WT
SHPO

For instructions, see FDM Chapter 26.

I. PROJECT INFORMATION

☒ Amended Submittal (include new information only)

Project ID 2310-17-00	Highway BT Street STH 60	County Washington, Ozaukee
Project Termini Eagle Drive to STH 181	Region - Office Southeast	
Regional Project Engineer - Project Manager Heather Sackman	(Area Code) Telephone Number (262)521-5376	
Consultant Project Engineer - Project Manager Collins Engineers, Inc.	(Area Code) Telephone Number (414)282-6905	
Archaeological Consultant Cultural Resource Management UWM	(Area Code) Telephone Number 414-229-3078	
Architecture/History Consultant Cultural Resource Management UWM	(Area Code) Telephone Number 414-229-3078	
Date of Need	SHSW Number 15-0443/02	
Return a Signed Copy of This Form to Heather Sackman		

II. PROJECT DESCRIPTION

Project Length 6.28 miles	Land to be Acquired: Fee Simple 0.205 acres	Land to be Acquired: Easement 0.106 acres
------------------------------	--	--

Distance as measured from existing centerline	Existing	Proposed	Other Factors	Existing	Proposed
Right-of-Way Width	50'-100'	50'-100'	Terrace Width	N/A	N/A
Shoulder	10'	10'	Sidewalk Width	N/A	N/A
Slope Intercept	50'-100'	50'-100'	Number of Lanes	2 Drive Bypass RT Turn	2 Drive Bypass RT Turn
Edge of Pavement Paved 3' of existing shoulder for bike lane	15'	18'	Grade Separated Crossing	N/A	N/A
Back of Curb Line	N/A	N/A	Vision Triangle acres	N/A	N/A
Realignment	N/A	N/A	Temporary Bypass acres	N/A	N/A
Other - List:	---	---	Stream Channel Change	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Attach Map(s) that Depict "Maximum" Impacts.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Tree Topping and/or Grubbing	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Brief Narrative Project Description: Include all ground disturbing activities. For archaeology, include plan view map indicating the maximum area of ground disturbance and/or new right-of-way, whichever is greater. Include all temporary, limited and permanent easements. For amendments (e.g. design refinements, scope changes, etc) description should only include new/added project actions and materials.

The proposed action includes the rehabilitation of roadway pavement for State Highway 60 from Eagle Drive to State Highway 181. The proposed construction limits are located in Township 10 North, Range 20 East, Township 10 North, Range 21 East. The purpose of the project is to improve pavement conditions; add bicycle accommodations; and improve intersections to current WisDOT standards.

STH 60 will be milled and overlaid from Eagle Drive to STH 181. Exclusions include the intersection of CTH Y which will be constructed as a roundabout under a separate project ID 2310-14-70 and the intersection of CTH G which was

constructed as a roundabout in 2012. The existing STH 60 typical section consists of a rural undivided roadway the entire length with two 12-foot lanes and 10-foot shoulders in which 3-feet of shoulder is paved. The proposed STH 60 typical section will remain a rural undivided roadway with two 12-foot lanes and 10-foot shoulders. The shoulders will be paved to a minimum of 6 feet wide to accommodate bicycles.

Intersections will be improved to current WisDOT standards, widened as necessary to accommodate bicycles, right turn, and bypass lanes. These intersections include: Maple Road, Center Road, Lusan Drive, Church Road, Briarwood Drive, Elm Drive, CTH M, Strawberry Glen Rd, Lizbeth Lane, and Horns Corners Road. Right of way acquisitions and easements are required at intersections and consist of 0.205 Acres of Fee Acquisition, 0.010 Acres of Permanent Easements and 0.096 Acres of Temporary Easements. Existing beam guard will be removed and replaced with energy absorbing terminals installed. Cross culverts will be replaced or extended as needed.

There are wetland areas present along STH 60. The existing posted speed limit is 55 mph and is not planned to change with this project. Box culverts C-66-0031 and C-66-0032 are within the project limits and are in fair condition and improvements are not included with this project.

☐ Add continuation sheet, if needed.

SECTION 106 REVIEW ARCHAEOLOGICAL/HISTORICAL INFORMATION (continued)

Wisconsin Department of Transportation DT1635

III. CONSULTATION

How has notification of the project been provided to:

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> Property Owners | <input checked="" type="checkbox"/> Historical Societies/Organizations | <input checked="" type="checkbox"/> Native American Tribes |
| <input type="checkbox"/> Public Information Meeting Notice | <input type="checkbox"/> Public Information Meeting Notice | <input type="checkbox"/> Public Info. Mtg. Notice |
| <input checked="" type="checkbox"/> Letter - Required for Archaeology | <input type="checkbox"/> Letter | <input checked="" type="checkbox"/> Letter |
| <input type="checkbox"/> Telephone Call | <input type="checkbox"/> Telephone Call | <input type="checkbox"/> Telephone Call |
| <input type="checkbox"/> Other: | <input checked="" type="checkbox"/> Other: email | <input type="checkbox"/> Other: |

Attach one copy of the base letter, list of addresses and comments received. For history include telephone memos as appropriate.

IV. AREA OF POTENTIAL EFFECTS - APE**ARCHAEOLOGY:** Area of potential effect for archaeology is the existing and proposed ROW, temporary and permanent easements. Agricultural practices do not constitute a ground disturbance exemption.**HISTORY:** Describe the area of potential effects for buildings/structures.

Given the project description and its potential to impact the project area, an APE was established that included all properties immediately adjacent to the proposed project corridor and the entire proposed roadway right of way. All resources that were at least 40 years old and possessed a degree of historic integrity were examined for potential historical significance

V. PHASE I - ARCHAEOLOGICAL OR RECONNAISSANCE HISTORY SURVEY NEEDED

ARCHAEOLOGY	HISTORY
<input checked="" type="checkbox"/> Archaeological survey is needed	<input checked="" type="checkbox"/> Architecture/History survey is needed
<input type="checkbox"/> Archaeological survey is not needed	<input type="checkbox"/> Architecture/History survey is not needed
<input type="checkbox"/> Screening list (date)	<input type="checkbox"/> Screening list (date)
<input type="checkbox"/> Burial site in project area, Wis. Stat. 157.70 applies	<input type="checkbox"/> No structures or buildings of any kind within APE
	<input type="checkbox"/> Non-Survey History Documentation attached

VI. SURVEY COMPLETED

ARCHAEOLOGY	HISTORY
<input checked="" type="checkbox"/> NO archaeological sites(s) identified - ASFR attached	<input type="checkbox"/> NO buildings/structures identified - Report attached
<input type="checkbox"/> NO potentially eligible site(s) in project area - Phase I Report attached	<input checked="" type="checkbox"/> Potentially eligible buildings/structures identified in the APE - Report attached
<input type="checkbox"/> Potentially eligible site(s) identified-Phase I Report attached	<input type="checkbox"/> Avoided through redesign
<input type="checkbox"/> Avoided through redesign	<input type="checkbox"/> Previously listed/eligible property identified in the APE - Report attached
<input type="checkbox"/> Phase II conducted - go to VII (Evaluation)	
<input type="checkbox"/> Phase I Report - Cemetery/cataloged burial documentation	

VII. DETERMINATION OF ELIGIBILITY (EVALUATION) COMPLETED

<input type="checkbox"/> No arch site(s) eligible for NRHP - Phase II Report attached	<input checked="" type="checkbox"/> No buildings/structure(s) eligible for NRHP - DOE attached
<input type="checkbox"/> Arch site(s) eligible for NRHP - Phase II Report attached	<input type="checkbox"/> Building/structure(s) eligible for NRHP - DOE attached
<input type="checkbox"/> Site(s) eligible for NRHP - DOE attached	





VIII. COMMITMENTS/SPECIAL PROVISIONS - must be included with special provisions language

- ☐ Per Wis. Stat. 157.70 obtain burial authorization from WHS one year prior to construction.
None

IX. PROJECT DECISION

- ☒ No historic properties (historical or archaeological) in the APE.
☐ No historic properties (historical or archaeological) affected.
☐ Historic properties (historical and/or archaeological) may be affected by project;
☐ Go to Step 4: Assess affects and begin consultation on affects.
☐ Documentation for Determination of No Adverse Effects is included with this form. WisDOT has concluded that this project will have No Adverse Effect on historic properties. Signature by SHPO below indicates SHPO concurrence in the DNAE and concludes the Section 106 Review process for this project.

X. SIGNATURES

<input checked="" type="checkbox"/>  (Regional Project Manager Signature)	11/17/15 (Date - m/d/yy)	<input checked="" type="checkbox"/>  (WisDOT Historic Preservation Officer Signature)	12/10/15 (Date - m/d/yy)	<input checked="" type="checkbox"/>  (State Preservation Officer Signature)	March 10 2016 (Date - m/d/yy)
<input checked="" type="checkbox"/>  (Consultant Project Manager Signature)	11/10/15 (Date - m/d/yy)				

15-0443/02/WT

Wisconsin Historical Society
Determination of Eligibility Form 3819

(Revised May 2013)

RECEIVED
DEC 11 2015

WisDOT Project ID #: 2310-17-00

WHS #: _____

BY: _____

Property Name(s): Thiel Farmstead
Address/Location: 3696 Country Aire Drive
City & County: Town of Jackson, Washington County Zip Code: 53012
Town: 10N Range: 20E Section: 24
Date of Construction: c.1900, c.1910, c.1920, c.1945, c.1950,
c.1960, c.1965

WisDOT Certification

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this request for Determination of Eligibility:

- ☐ Meets the National Register of Historic Places criteria.
☒ Does not meet the National Register of Historic Places criteria.

Rebecca Burkel, WisDOT Historic Preservation Officer

Date

State Historic Preservation Office

In my opinion, the property:

- ☐ Meets the National Register of Historic Places criteria.
☒ Does not meet the National Register of Historic Places criteria.

Jim Draeger, State Historic Preservation Officer

Date

1/6/15

Comments (FOR AGENCY USE ONLY):

Division of Historic Preservation
Wisconsin Historical Society
816 State Street
Madison, WI 53706