

# Information for File #2015-03837-SEW

**Applicant:** Minnesota Department of Transportation (MnDOT), District 4; c/o Ms. Shiloh Wahl

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**Primary County:** Mahnomen

**Project Location:** Sections 2 and 11, Township 114N., Range 42W.

**Information Complete On:** April 13, 2016

**Posting Expires On:** April 22, 2016

**Authorization Type:** Letter of Permission via the provisions of LOP-10-R

This application is being reviewed in accordance with current practices for documenting Corps jurisdiction under Section(s) 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act.

We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are subject to Corps of Engineers jurisdiction under Section(s) 9 & 10 of the Rivers and Harbors Act of 1899 and/or Section 404 of the Clean Water Act. If an approved jurisdictional determination is completed as part of the review process for this application, a copy will be posted on the St. Paul District web page at the following link:

<http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

## PROJECT INVOLVES:

- 1) *Tribal Trust or Other Resources:* The project is located within the White Earth Reservation. MnDOT states the project would be contained within the existing MnDOT and railroad right-of-way. MnDOT coordinated the project with the White Earth Reservation Tribal Council, and received a letter in December 2015 stating the Director of White Earth Natural Resources found no significant impact related to the project.
- 2) *State-Listed Impaired Waters:* There are no state-listed impaired waters in the project area. Wild Rice River, which is located just outside the south limit of the project, is not impaired in in this location. The White Earth River, which enters the Wild Rice River about a mile upstream of where TH 59 crosses the Wild Rice River, is impaired for aquatic life by turbidity issues.
- 3) *FEMA 100-Year Floodplain:* The project begins just north of the TH 59 bridge over the Wild Rice River, and it passes along about 460 linear feet of the Wild Rice River 100-year floodplain at the south project limit. In this location, there will be very little difference between the existing TH 59 roadway width and the proposed roadway width. There are no other 100-year floodplains in the project area. MnDOT has determined that the project would not result in substantive floodplain impacts.

**LINEAR PROJECT:** The project would occur on approximately 1.61 miles of TH 59, located approximately between Bridge 44002 over the Wild River on the south project limit to about 850 feet north of TH 200 on the north project limit.

**PROJECT DESCRIPTION AND PURPOSE:** MnDOT proposes to add a 13-foot wide center left turn lane and 12-foot wide right turn lanes at various intersections on approximately 1.61 miles of TH 59 in the City of Mahnomen (State Project #0305-34). The proposed road cross-section

would consist of two 12-foot wide travel lanes (one in each direction) with a 13-foot wide center left turn lane, 12-foot wide right turn lanes at various intersections, and 1v:4h sideslopes. The project includes a bituminous resurfacing of this segment of TH 59, and the replacement or repair of existing drainage infrastructure (including centerline and driveway culverts) where needed throughout the project length. MnDOT would also construct an approximately 0.45-mile long, 8-foot wide sidewalk on the west side of TH 59 between CSAH 5 and West Washington Avenue, and improve street lighting at the TH 59 intersections with TH 200, CSAH 5, and Washington Avenue. The project is part of an overall larger road resurfacing and drainage infrastructure maintenance project that would take place in Becker, Mahanomen, and Polk Counties on approximately 36 miles (including the 1.61 miles in the City of Mahanomen) of TH 59, beginning approximately 0.4 mile south of the Buffalo River and ending approximately 0.2 mile south of the City of Winger. MnDOT states that the purpose of the project is to preserve the roadway structure, improve ride quality for motorists, address failing centerline and entrance culverts, and improve motorist and pedestrian safety on TH 59 in the City of Mahanomen.

**NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS:**

The project would result in the permanent discharge of dredged and fill material into approximately 0.86 acres of wetlands, including 0.27 acre of emergent wetlands and 0.59 acre of wetlands located in the bottom of roadside ditches. Permanent fill impacts would result from the proposed road widening, sidewalk addition, and culvert replacements that involve extensions to accommodate the wider roadway, or that involve the placement of new aprons. The project would also result in temporary impacts to approximately 0.54 acre of wetlands, including 0.29 acre of emergent wetlands and 0.25 acre of wetlands located in the bottom of roadside ditches. Temporary impacts would occur to facilitate the proposed culvert and apron replacements and repairs, and to re-establish roadside ditches adjacent to areas that would be widened. All temporary impacts would be restored within 180 days of impact by grading the area to preconstruction contours and elevations. No impacts are proposed to the Wild Rice River. The proposed impacts are listed on the attached table labeled "2015-03837-SEW, Table 1 of 1".

**COMPENSATORY MITIGATION:** The applicant proposes to compensate for the 0.27 acre of unavoidable, permanent, adverse impacts to emergent wetlands by debiting 0.54 Corps-approved credits from the Minnesota Wetland Bank via the Cooperative Wetland Replacement Program administered by the Minnesota Board of Water and Soil Resources, specifically from a bank site within the same bank service area (BSA) as the impacts. The applicant is not proposing to provide compensatory mitigation for the proposed permanent impacts to wetlands located in roadside ditches, because the roadside ditches would be re-established as part of this project. The proposed impacts are located in major watershed 60 (Wild Rice River), Bank Service Area 4. The Corps will determine the final compensatory mitigation requirements for this project as part of the permit review.

**DRAWINGS:** See attached figures labeled "2015-03837-SEW, Figures 1 through 9 of 9".

Station	498+05	493+91	493+91	490+88	478+84	477+96	476+42	475+31	471+31	467+91	465+88	464+12	449+80	448+00	434+56	420+97	420+97
County	Mahanomen	Mahanomen	Mahanomen	Mahanomen	Mahanomen	Mahanomen	Mahanomen	Mahanomen	Mahanomen	Mahanomen	Mahanomen	Mahanomen	Mahanomen	Mahanomen	Mahanomen	Mahanomen	Mahanomen
Major Watershed #	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
BSA #	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Inplace Structure	18"x48' cmp	24" x 64' cmp		18"x40' cmp	18"x80' cmp	24"x116' cs pipe	15"x62' cmp	24"x56' cmp	18"x78' cmp	18"x44' cmp	18"x60' cmp	24"x86' rcp	18"x40' cmp	18"x46' cmp	18"x42' cmp	24"x76' rcp	24"x76' rcp
Proposed Structure	18"x80' cs pipe	24"x74' rcp		18"x62' cs pipe	18"x154' cs pipe	24"x144' cs pipe	15"x68' cs pipe	24"x78' cs pipe				24"x88' rcp				24"x76' cs pipe	24"x76' cs pipe
New Additional Length With Aprons																	
Inplace Invert Elevation												1208.56/1208.44					
Proposed Invert Elevation																	
Aquatic Resource Type (wet., lake, trib.)	Wet Ditch	Wet Ditch	Wet Ditch	Wet Ditch	Wet Ditch	Wet Ditch	Wet Ditch	Wet Ditch	Wet Ditch	Wet Ditch	Wet Ditch	Wet Ditch	Wet Ditch	Wet Ditch	Wet Ditch	Wet Ditch	Wetland
New Riprap – Linear Feet Equals																	
New Riprap – Area of Sq. Feet																	
Permanent Impact - Area of Sq. Feet	266	186	0	132	842	2,249	1,870	7,535	3,374	1,671	2,991	159	0	74	187	4,078	6,558
Type of Wetland	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB
Type of Impact (fill, excavate, drain, remove vegetation)	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill
Temporary Impact & Number of Days*	387	184	949	78	267	0	1,242	0	0	3,641	0	775	535	173	633	2,209	6,552
Type of Wetland	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB	PEMB
Type of Impact (fill, excavate, drain, remove vegetation)	Culvert	Culvert	Road widening	Culvert	Culvert	Road widening, Walk	Road widening, Culvert	Road widening, Walk	Road widening, Walk	Road widening, Clean aprons	Road Widening, Walk	Culvert	Maintenance: Clean Aprons	Maintenance: Clean Aprons	Maintenance: Clean Aprons	Road widening, Culverts	Road widening
Wetland ID	Site 1A	Site 2	Site 1B	Site 1C	Site 3A	Site 4A	Site 3B, 3C	Site 4B	Site 4C	Site 3D	Site 4D	Site 5	Site 6A	Site 6B	Site 6C	Site 8 A	Site 9 A
Impact Figure Sheet ID	26	26	26	27	27	28	28	28	28	28	28	28	29	30	30	31	31

\*Temporary impacts will be rectified within 180 days or less.

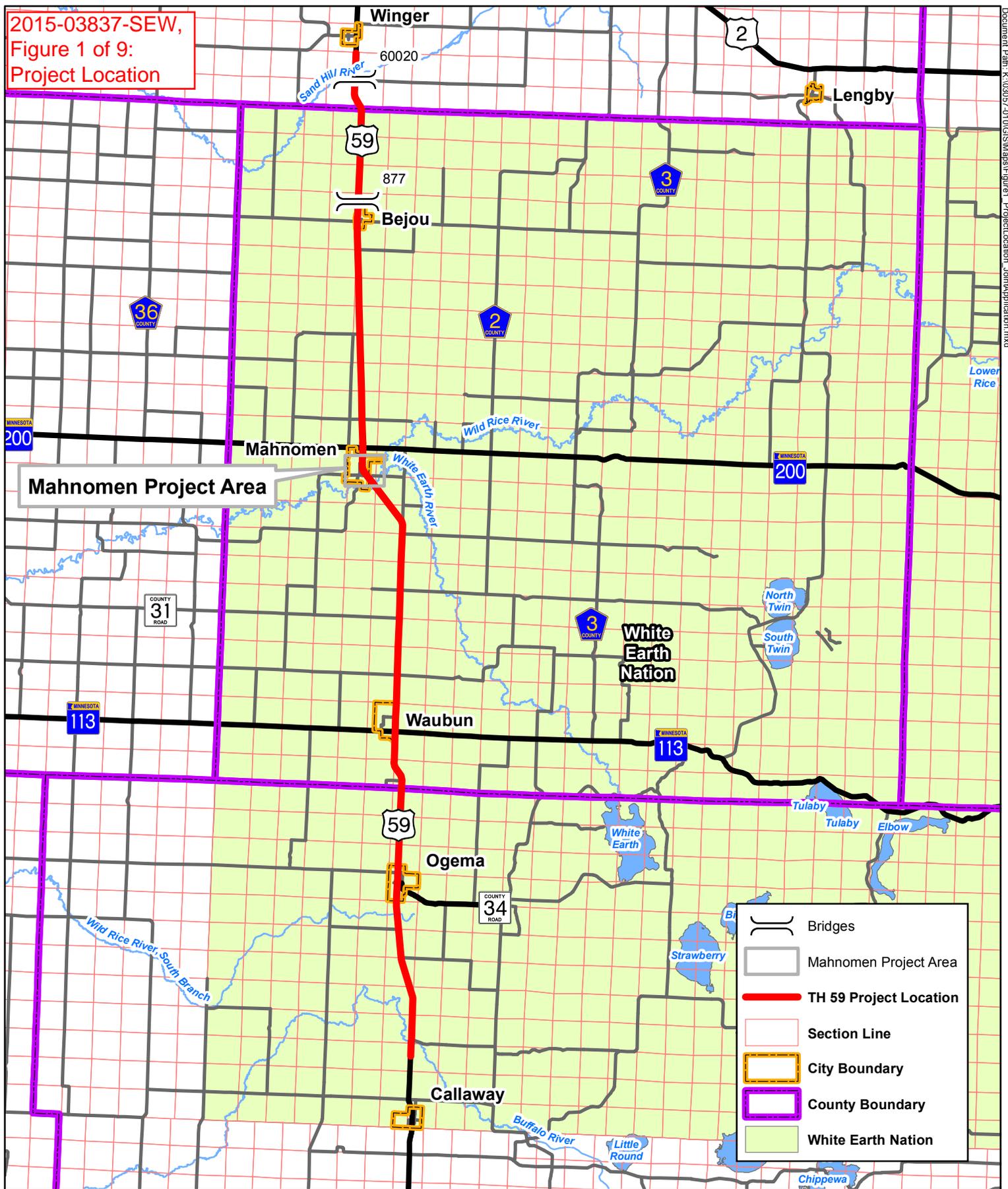
Wet Ditch
Wetland

2015-03837-SEW, Table 1 of 1:  
Proposed Aquatic Resource Impacts

TH 59 Wetland and Wet Ditch Impacts within the City of Mahanomen

Station	414+97	414+97
County	Mahanomen	Mahanomen
Major Watershed #	60	60
BSA #	4	4
Inplace Structure	24"x62' rcp	24"x62' rcp
Proposed Structure		
New Additional Length With Aprons		
Inplace Invert Elevation		
Proposed Invert Elevation		
Aquatic Resource Type (wet., lake, trib.)	Wetland	Wetland
New Riprap – Linear Feet Equals		
New Riprap – Area of Sq. Feet		
Permanent Impact - Area of Sq. Feet	1,476	3,613
Type of Wetland	PEMB	PEMB
Type of Impact (fill, excavate, drain, remove vegetation)	Fill	Fill
Temporary Impact & Number of Days*	3,127	3,021
Type of Wetland	PEMB	PEMB
Type of Impact (fill, excavate, drain, remove vegetation)	Road widening	Road widening
Wetland ID	Site 9 B	Site 8 B
Impact Figure Sheet ID	32	32

2015-03837-SEW,  
Figure 1 of 9:  
Project Location



**Figure 1: Project Area Map  
TH 59**



Document Path: K:\03837-01\GIS\Map\Figure1 - Project Location - Jun14Application.mxd

2015-03837-SEW,  
Figure 2 of 9:  
Delineated Wetlands  
in Project Area

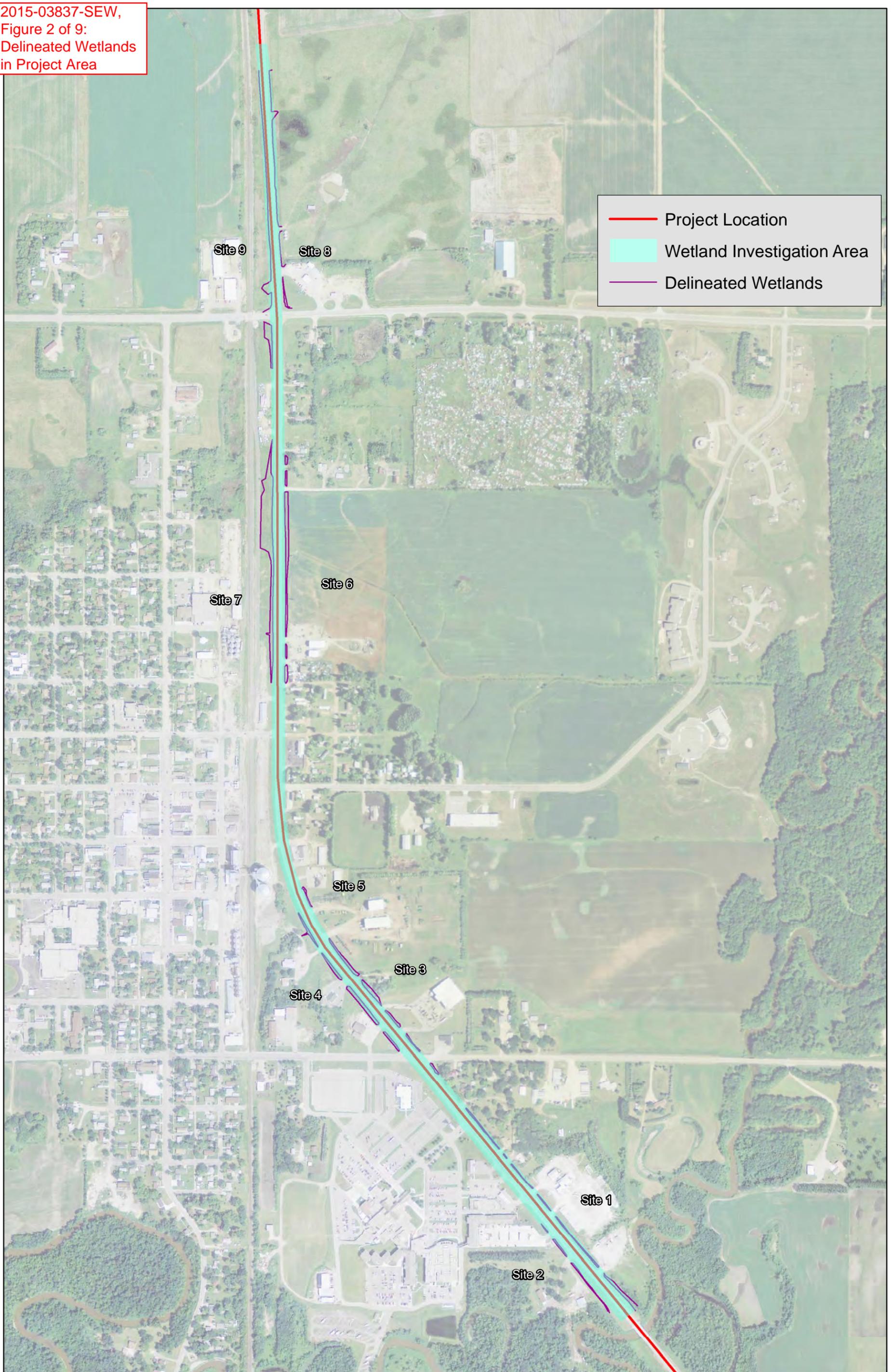
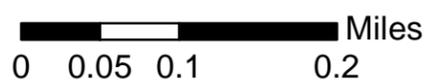


Figure 1: Wetland Delineation



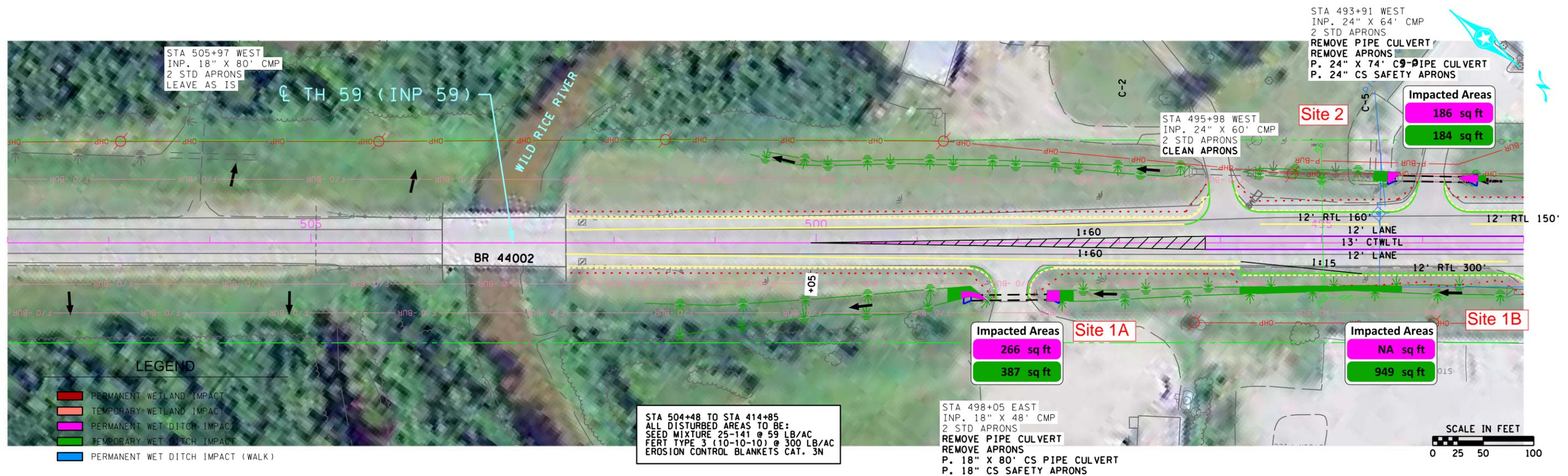
TH 59 Resurfacing



# Reporting impacts to wetlands and wet ditches within the City of Mahanomen

Permanent Wetland Fill Impact	Temporary Wetland Fill Impact	Permanent Wet Ditch Fill Impact	Temporary Wet Ditch Fill Impact
11,647 (0.27 AC)	12,700 (0.29 AC)	25,353 (0.58 AC)	11,073 (0.25 AC)

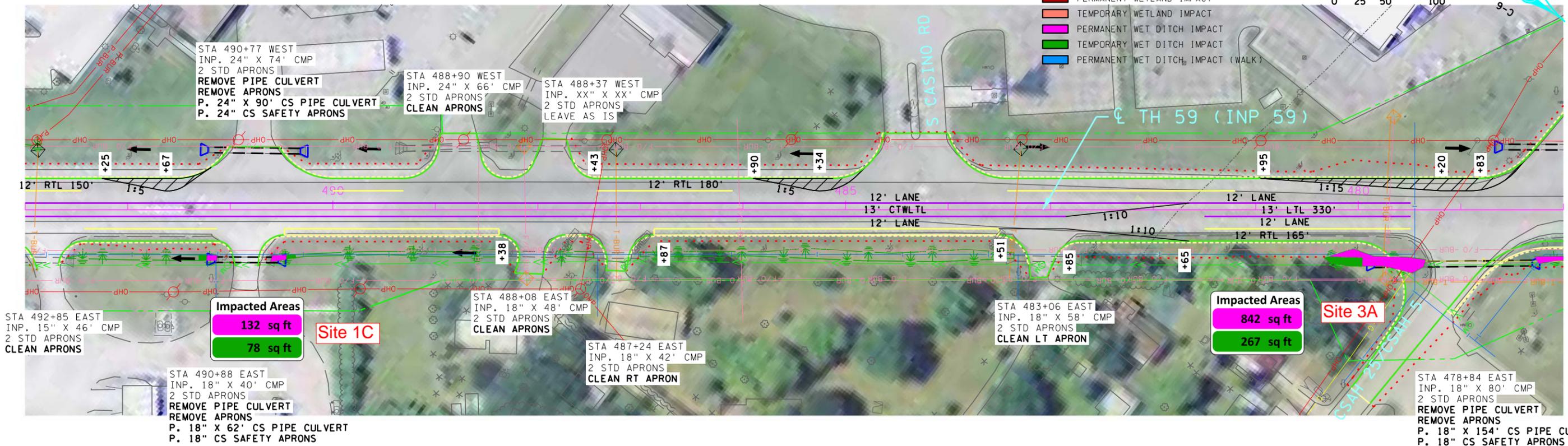
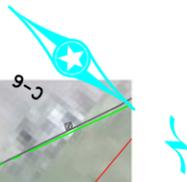
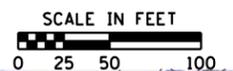
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LEGEND

- PERMANENT WETLAND IMPACT
- TEMPORARY WETLAND IMPACT
- PERMANENT WET DITCH IMPACT
- TEMPORARY WET DITCH IMPACT
- PERMANENT WET DITCH IMPACT (WALK)



**Impacted Areas**  
132 sq ft  
78 sq ft

**Site 1C**

**Impacted Areas**  
842 sq ft  
267 sq ft

**Site 3A**

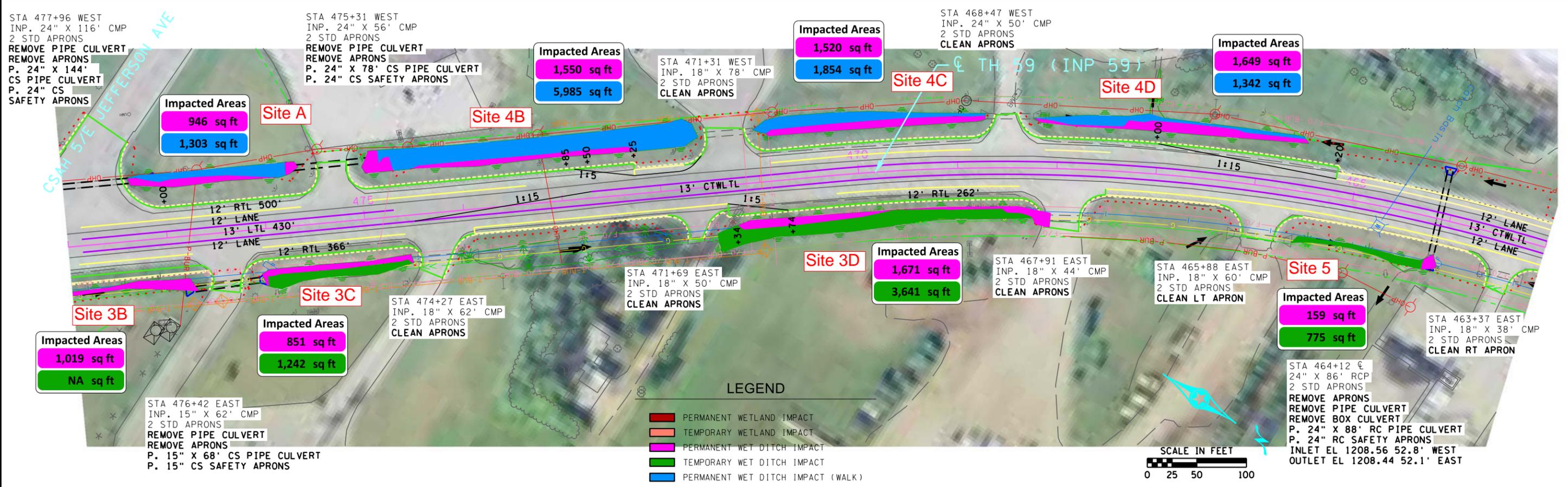


MINNESOTA DEPARTMENT  
OF TRANSPORTATION  
TH 59 MILL & OVERLAY

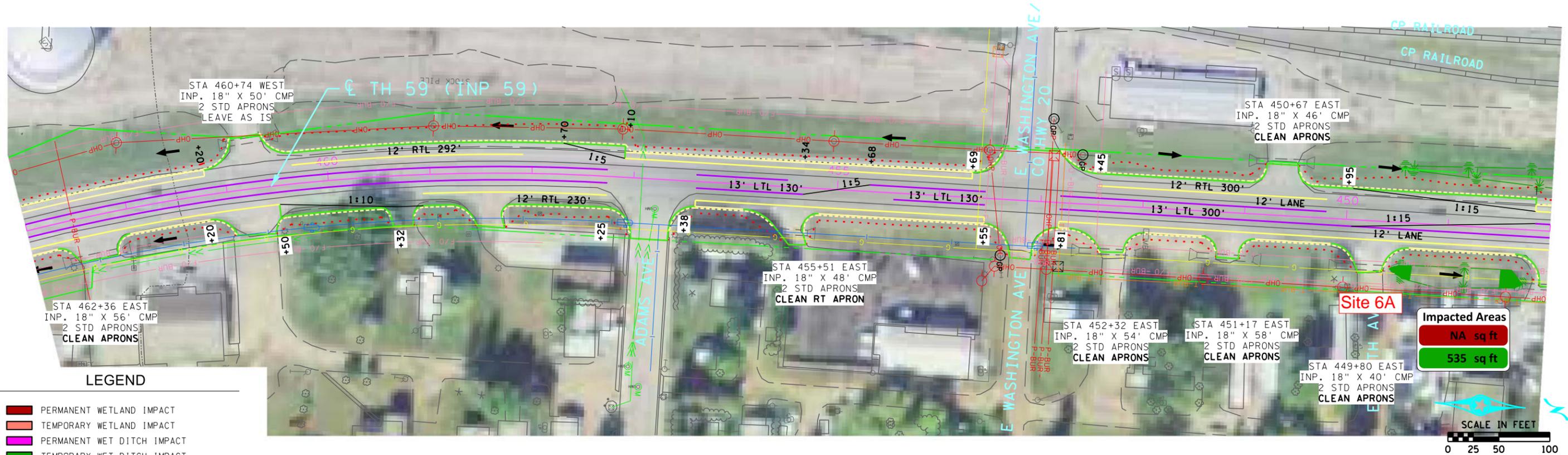
**WETLAND IMPACTS**  
TH 59 STA 493+00.00 TO STA 478+00.00

S.P. 0305-34/4404-13/6008-15 (TH 59)  
Sheet No. 27 of 46 Sheets

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**LEGEND**

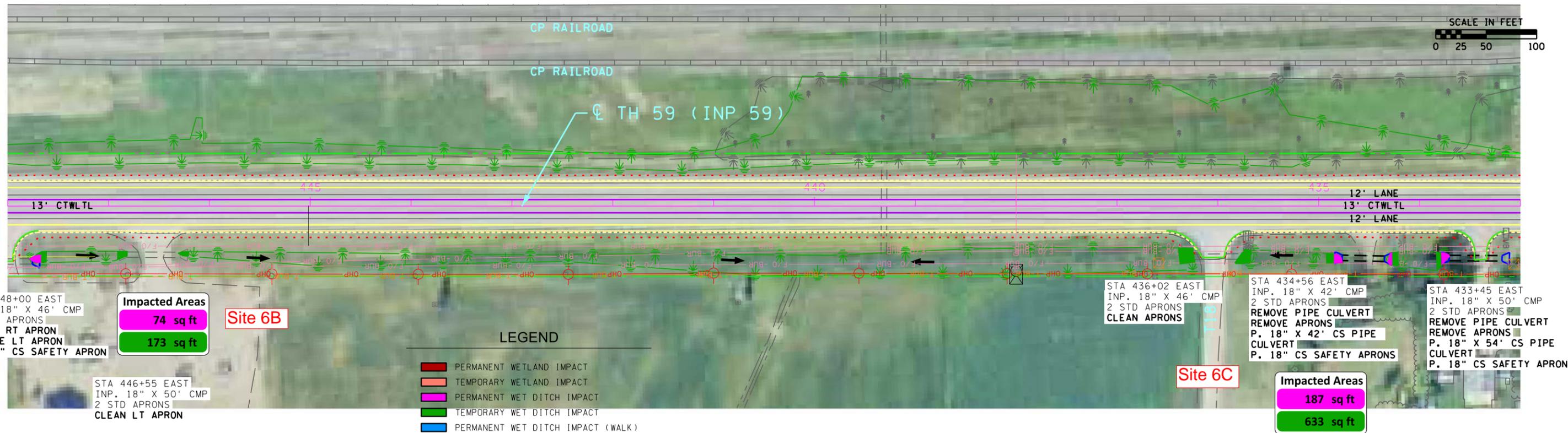
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<span style="color: green;">█</span>	TEMPORARY WET DITCH IMPACT
<span style="color: blue;">█</span>	PERMANENT WET DITCH IMPACT (WALK)

**Impacted Areas**

NA	sq ft
535	sq ft

SCALE IN FEET  
0 25 50 100

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