

## Information for File MVP-2014-02429-SEW

**Applicant:** Minnesota Department of Transportation, Metro District (c/o Mr. Martin Kors)

**Corps Contact:** Sarah Wingert, 180 Fifth Street East, Suite 700, St. Paul, MN 55101,  
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**Primary County:** Carver

**Location:** Sections 8, 9, 10, 14, 15, 16, 17, and 18, T. 116N. R. 24W., and Section 24, T. 116N., R. 25W.

**Information Complete On:** October 17, 2014

**Posting Expires On:** October 30, 2014

**Authorization Type:** LOP-05-MN

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act.

### **PROJECT INVOLVES:**

- 1) *Linear Project Route:* The project would occur on approximately 3.5 miles of Trunk Highway (TH) 5, from approximately 0.24 mile east of Scandia Road in Laketown Township to approximately 400 feet west of County Road 11 in Victoria.

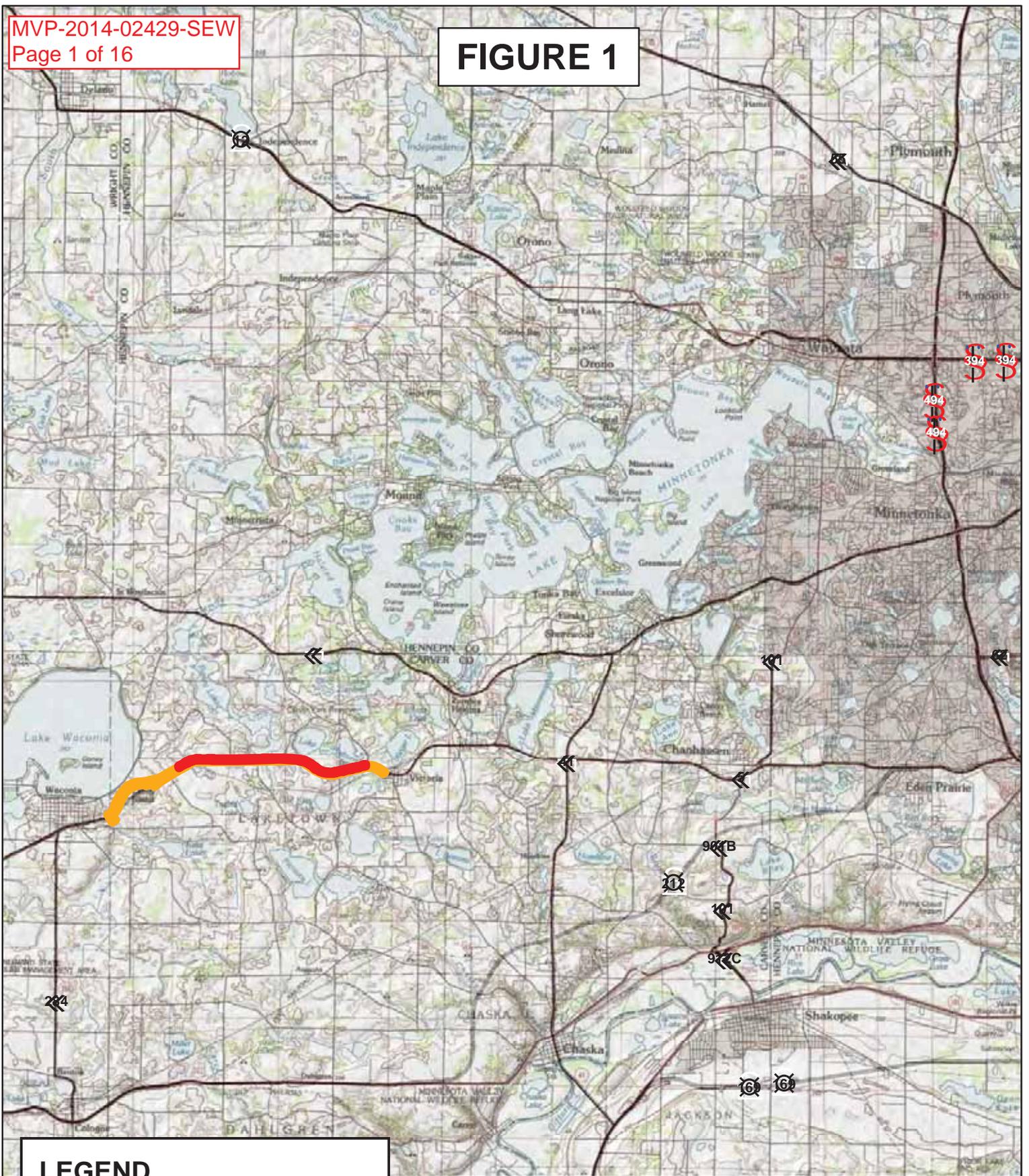
**PROJECT DESCRIPTION & PURPOSE (as stated by the applicant):** The Minnesota Department of Transportation proposes to reconstruct 3.58 miles of Trunk Highway (TH) 5 from approximately Scandia Road to County Road 11 in Carver County. This segment of TH 5 has degraded pavement and sub-standard shoulder widths, as well as deteriorated drainage infrastructure. Additionally, turn lanes are missing at key intersections. The purpose of the project is to provide general maintenance of the roadway for the traveling public, and to improve the safety and capacity of the roadway. Proposed work includes widening the shoulders from two feet in some places to a consistent eight-foot width, adding turn lanes at appropriate intersections, installing bituminous or concrete overlay, extending culverts to accommodate the wider road, repairing or replacing culverts as necessary, and acquiring new right-of-way for the construction of two stormwater ponds and two infiltration basins. The stormwater ponds and infiltration basins are needed to handle stormwater from the increased amount of impervious surfaces from the new turn lanes and widened shoulders. Right turn lanes would be constructed from westbound TH 5 into Parley Lake Road and Island View Road, and left and right turn lanes would be constructed at Laketown Drive and the Krey Lakes development.

**NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS:** As proposed, the project would result in approximately 1.41 acres of permanent wetland impacts, 0.129 acre of temporary wetland impacts, and 70 linear feet of permanent stream impacts. The proposed impacts are listed by wetland basin (including wetland types) and stream ID on the attached table labeled “2014-02429-SEW, Page 3”, and are shown on the attached figures labeled “2014-02429-SEW, Page 1 of 16-16”.

**COMPENSATORY MITIGATION:** The applicant proposes to compensate for the unavoidable adverse wetland impacts that would result in a loss of wetland function by debiting a total of 2.374 wetland credits from a Corps-approved bank in Houston County (Bank Account 1579-4908, Hokah Bank). Wetland impacts that would result in a permanent loss of function would be compensated at a 2:1 ratio.

**DRAWINGS:** See attached figures labeled “2014-02429-SEW, Page 1 of 16 of 16”.

FIGURE 1



**LEGEND**

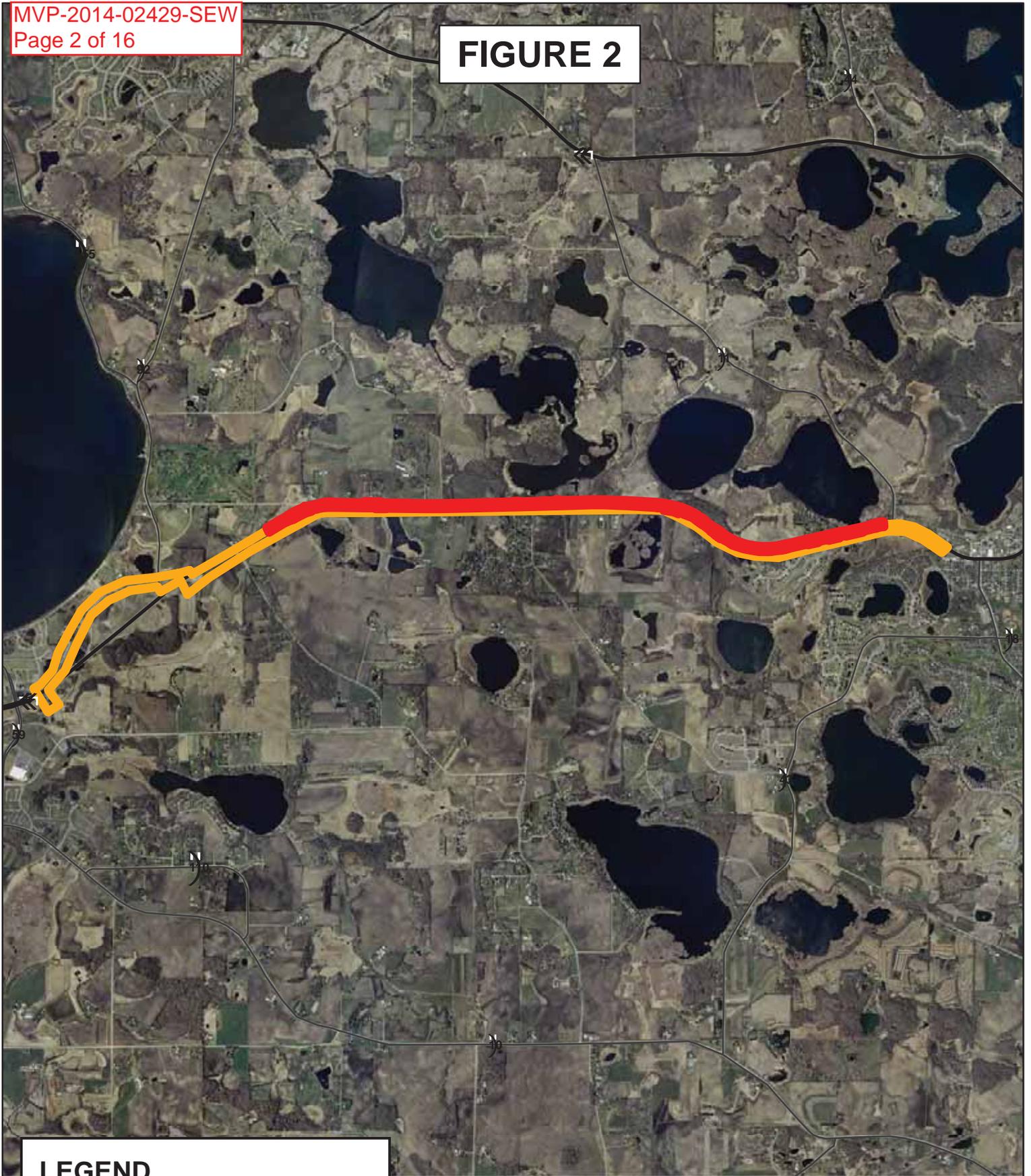
-  Project Location
-  Waconia Forcemain Replacement



**MnDOT Metro District**  
TH 5 Wetland Review  
Project Location Map

STATE PROJ. NO. 1002-101

**FIGURE 2**



**LEGEND**

-  Project Location
-  Waconia Forcemain Replacement



**MnDOT Metro District**  
TH 5 Wetland Review  
Location Map

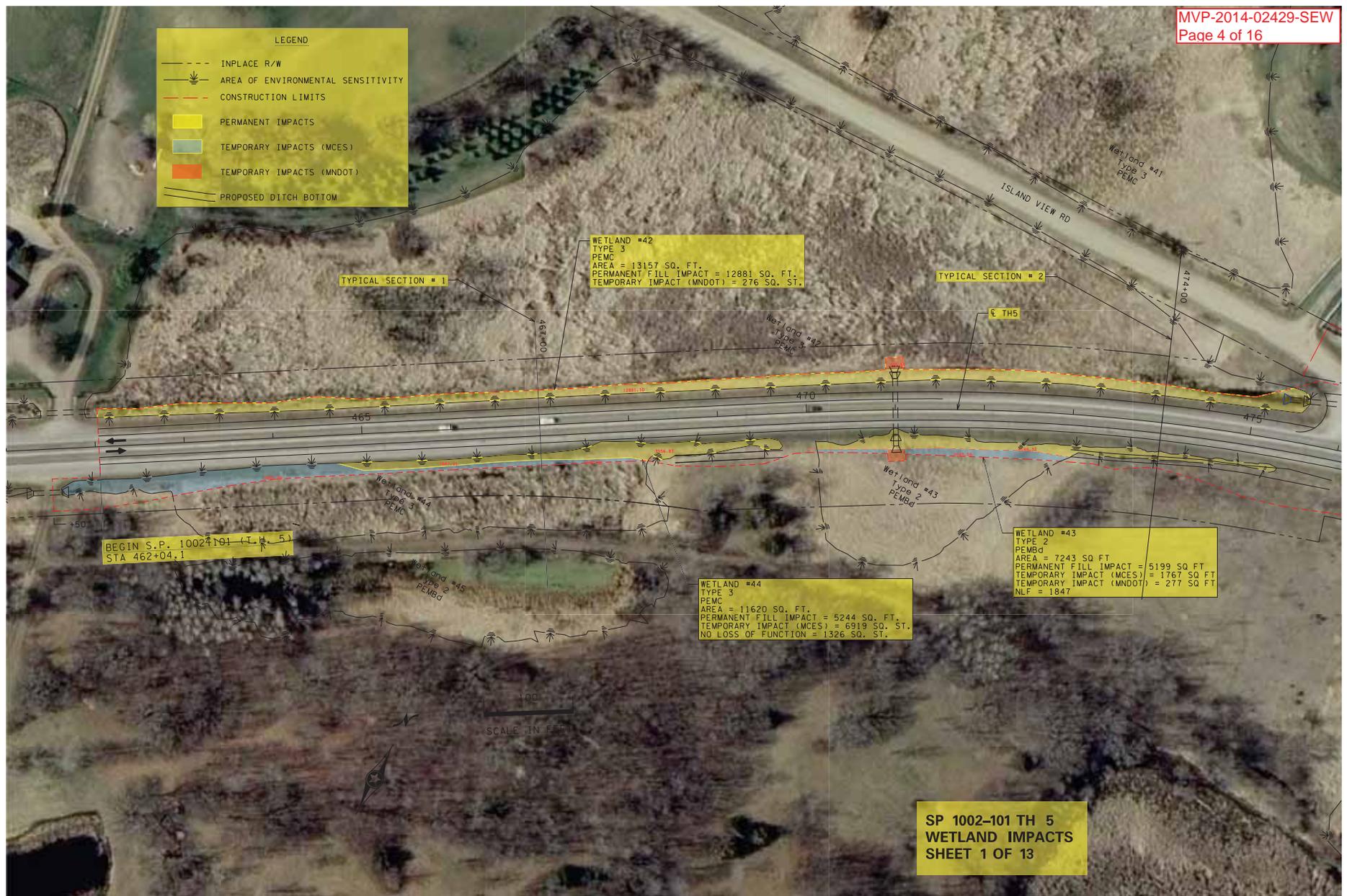
**STATE PROJ. NO. 1002-101**

**PART FOUR: Aquatic Resource Impact Summary**

<b>Aquatic Resource ID</b> <small>(as noted on overhead view)</small>	<b>Aquatic Resource Type</b> <small>(wetland, lake, tributary, etc)</small>	<b>Type of Impact</b> <small>(fill, excavate, drain or remove vegetation)</small>	<b>Duration of Impact</b> <small>Permanent (P) or Temporary (T)</small>	<b>Size of Impact</b> <small>(sq. ft.)</small>	<b>Overall Size of Aquatic Resource</b> <small>(acres)</small>	<b>Wetland Circ. 39 Type / Existing Plant Community Type(s) in Impact Area</b>	<b>County, Major Watershed #, and Bank Service Area # of Impact Area</b>
<b>* NLF - NO LOSS OF FUNCTION. INCLUDE AS IMPACT, NO MITIGATION REQUIRED</b>							
4 DNR 197W	Wetland	Fill	P	819 8 linear ft.	37.74	3/4 / Shallow/deep marsh	Carver, 20, 7
4	Wetland		T (60)	548	37.74	3/4 / Shallow/deep marsh	Carver, 20, 7
9 DNR 44-02P	Wetland	Fill	P	241 8 linear ft.	4.59	3 / Shallow marsh	Carver, 20, 7
9	Wetland		T (60)	575	4.59	3 / Shallow marsh	Carver, 20, 7
11	Wetland	Fill	P	171	0.13	2 / Fresh (wet) meadow	Carver, 20, 7
12	Wetland	Fill	P	215	0.01	2 / Fresh (wet) meadow	Carver, 20, 7
13	Wetland	Fill	P	323	0.15	3 / Shallow marsh	Carver, 20, 7
14	Wetland	Fill	P	473	0.01	2 / Fresh (wet) meadow	Carver, 20, 7
14	Wetland	Cut	P	94	0.01	2 / Fresh (wet) meadow	Carver, 20, 7
14	Wetland	Fill/Cut	P	567*	0.01	2 / Fresh (wet) meadow	Carver, 20, 7
16 DNR 44-02P East Auburn Lk	Wetland	Fill	P	2061	56.42	3/4 / Shallow/deep marsh	Carver, 20, 7
16 DNR 44-02P East Auburn Lk	Wetland	Cut	P	227	56.42	3/4 / Shallow/deep marsh	Carver, 20, 7
18	Wetland	Fill	P	1931*	0.04	2 / Fresh (wet) meadow	Carver, 20, 7
19	Wetland	Fill	P	933*	0.02	2 / Fresh (wet) meadow	Carver, 20, 7
20 DNR 49W	Wetland	Cut	P	639	57.35	4 / Deep marsh	Carver, 20, 7
20 DNR 49W	Wetland	Fill	P	1641	57.35	4 / Deep marsh	Carver, 20, 7
21	Wetland	Fill	P	2807	8.26	2 / Fresh (wet) meadow	Carver, 20, 7
21	Wetland	Cut	P	281	8.26	2 / Fresh (wet) meadow	Carver, 20, 7
30 DNR 43P Lundsten Lk	Wetland	Fill	P	1116	8.68	3 / Shallow marsh	Carver, 20, 7
31	Wetland	Fill	P	1464	4.58	1 / Seasonally flooded basin	Carver, 20, 7
31	Wetland	Cut	P	193	4.58	1 / Seasonally flooded basin	Carver, 20, 7
32	Wetland	Cut	P	315	0.01	1L / Floodplain forest	Carver, 20, 7
34	Wetland	Fill	P	2870	0.12	2 / Fresh (wet) meadow	Carver, 20, 7
34	Wetland		T (60)	195	0.12	2 / Fresh (wet) meadow	Carver, 20, 7
36	Wetland	Fill (Pond)	P	13365	0.33	1 / Seasonally flooded basin	Carver, 20, 7
37A	Wetland	Fill	P	1716*	0.04	3 / Shallow marsh	Carver, 20, 7
39	Wetland	Fill	P	1501	0.09	3 / Shallow marsh	Carver, 20, 7
39	Wetland	Fill	P	455*	0.09	3 / Shallow marsh	Carver, 20, 7
39	Wetland	Cut	P	1409	0.09	3 / Shallow marsh	Carver, 20, 7
40	Wetland	Fill	P	486	0.61	3 / Shallow marsh	Carver, 20, 7
40	Wetland	Cut	P	469	0.61	3 / Shallow marsh	Carver, 20, 7
42	Wetland	Fill	P	12881	6.71	3 / Shallow marsh	Carver, 20, 7
42	Wetland		T (60)	276	6.71	3 / Shallow marsh	Carver, 20, 7
43	Wetland	Fill	P	5199	0.68	2 / Fresh (wet) meadow	Carver, 20, 7
43	Wetland			1847*	0.68	2 / Fresh (wet) meadow	Carver, 20, 7
43	Wetland		T (60)	276	0.68	2 / Fresh (wet) meadow	Carver, 20, 7
44	Wetland	Fill	P	5244	1.12	3 / Shallow marsh	Carver, 20, 7
44	Wetland			1326*	1.12	3 / Shallow marsh	Carver, 20, 7
Unnamed Creek 1-1	Creek			27 linear ft.	0.76		
Unnamed Creek 1-2	Creek			27 linear ft.	0.02		

**LEGEND**

- INPLACE R/W
- AREA OF ENVIRONMENTAL SENSITIVITY
- CONSTRUCTION LIMITS
- PERMANENT IMPACTS
- TEMPORARY IMPACTS (MCES)
- TEMPORARY IMPACTS (MNDOT)
- PROPOSED DITCH BOTTOM



TYPICAL SECTION # 1

TYPICAL SECTION # 2

WETLAND #42  
TYPE 3  
PEMC  
AREA = 13157 SQ. FT.  
PERMANENT FILL IMPACT = 12881 SQ. FT.  
TEMPORARY IMPACT (MNDOT) = 276 SQ. ST.

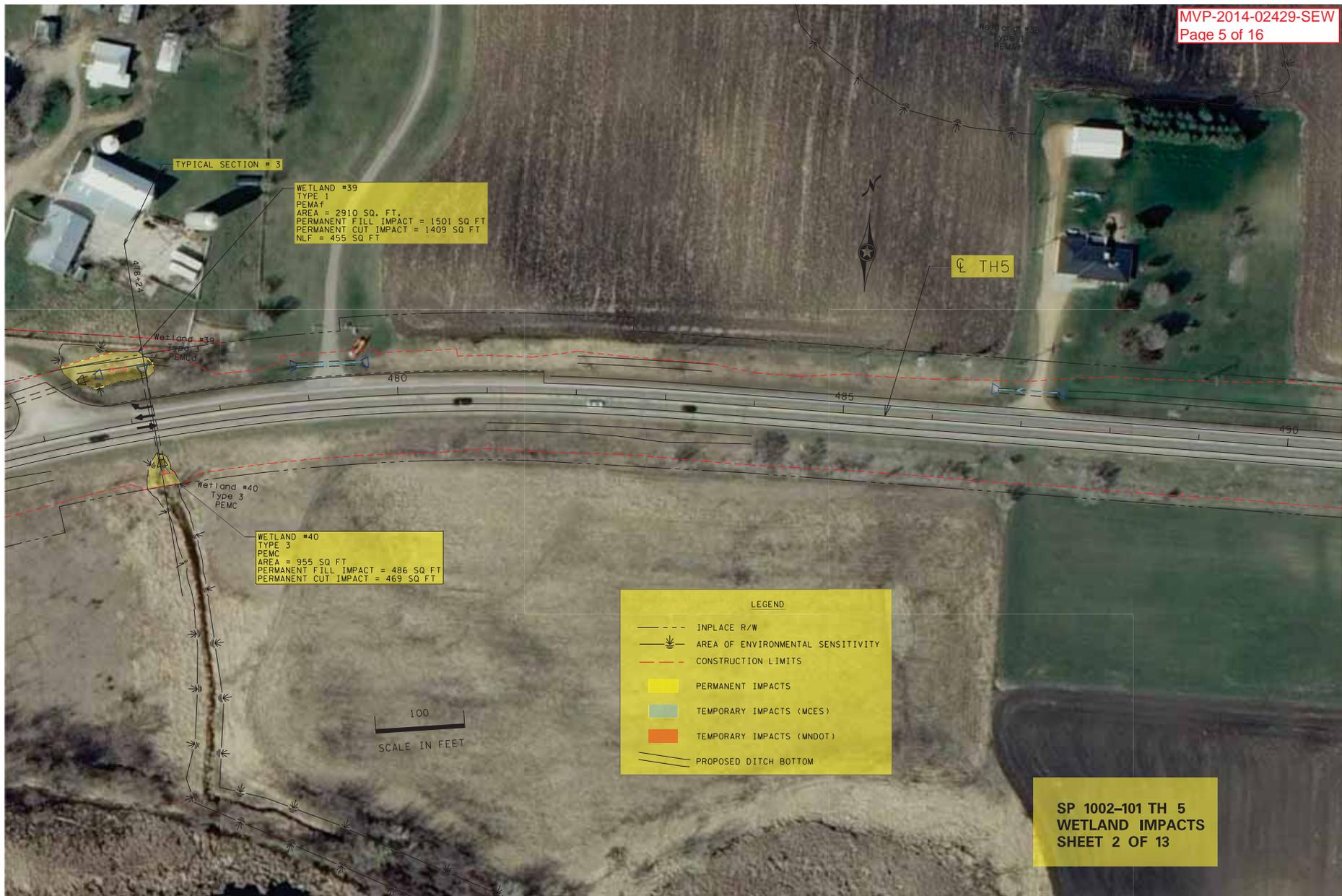
WETLAND #43  
TYPE 2  
PEMbd  
AREA = 7243 SQ FT  
PERMANENT FILL IMPACT = 5199 SQ FT  
TEMPORARY IMPACT (MCES) = 1767 SQ FT  
TEMPORARY IMPACT (MNDOT) = 277 SQ FT  
NLF = 1847

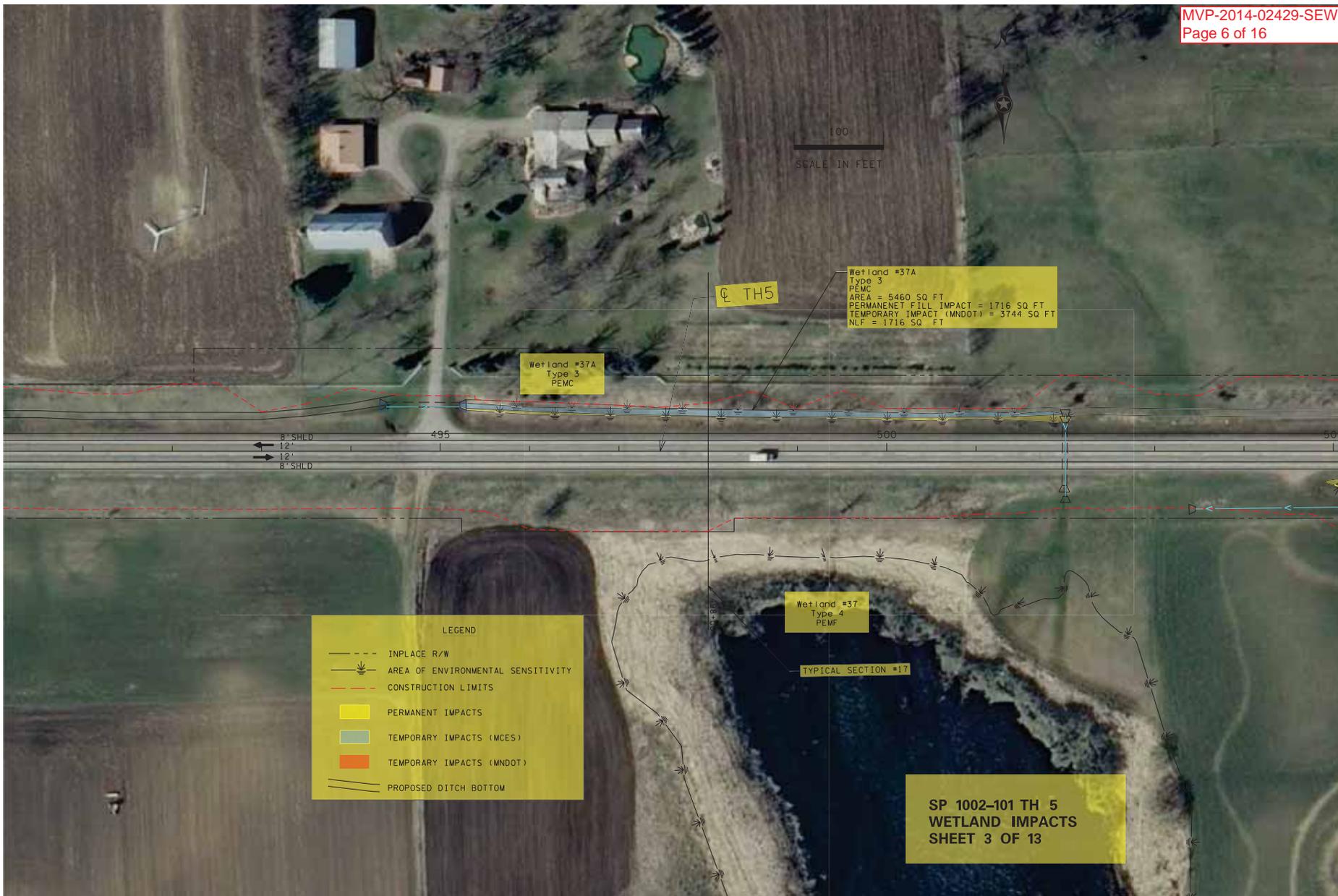
WETLAND #44  
TYPE 3  
PEMC  
AREA = 11620 SQ. FT.  
PERMANENT FILL IMPACT = 5244 SQ. FT.  
TEMPORARY IMPACT (MCES) = 6919 SQ. ST.  
NO LOSS OF FUNCTION = 1326 SQ. ST.

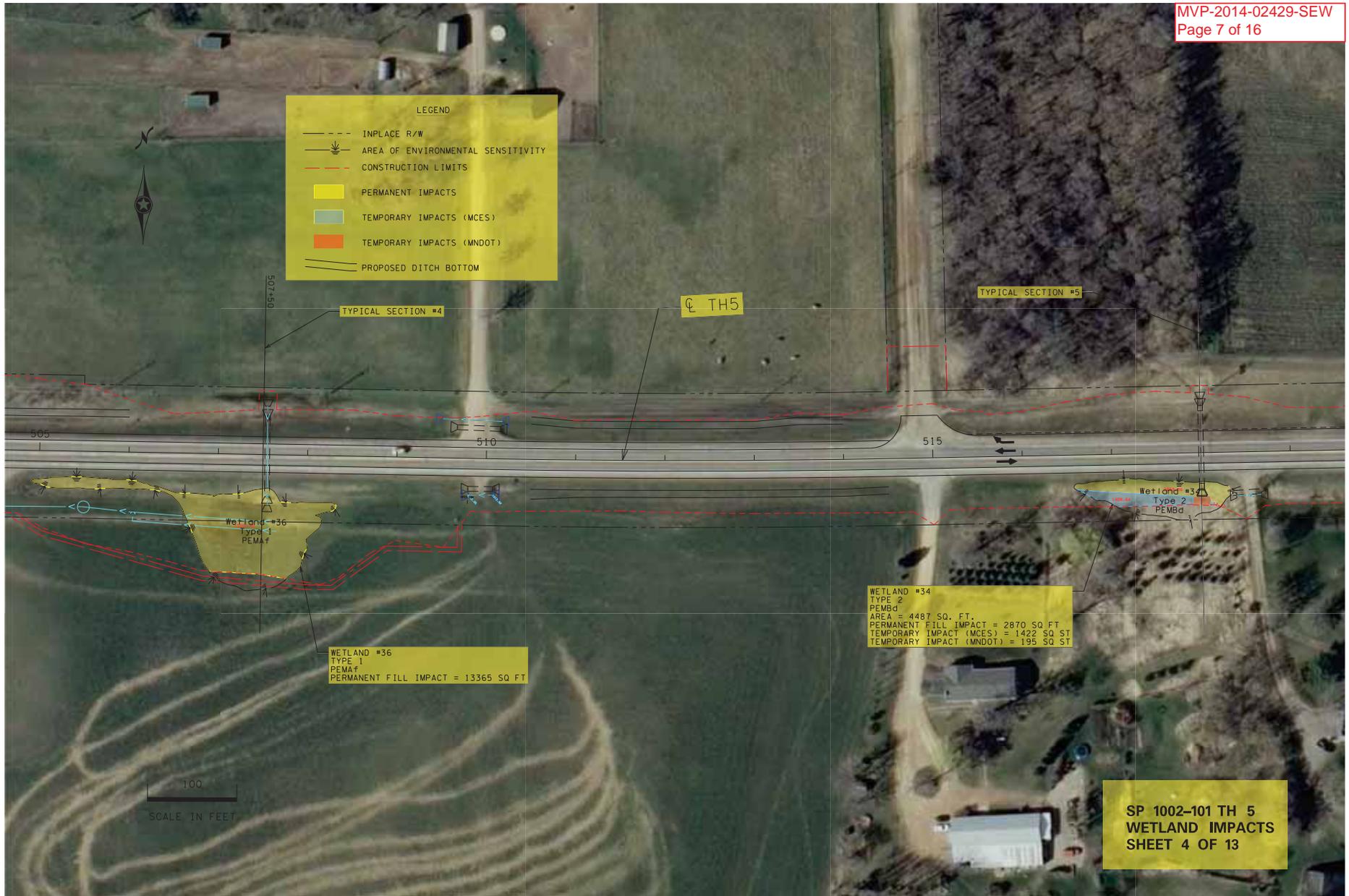
BEGIN S.P. 1002-101 (I.H. 5)  
STA 462+04.1

100  
SCALE IN FEET

SP 1002-101 TH 5  
WETLAND IMPACTS  
SHEET 1 OF 13









TH5

520

525

530

100  
FEET  
SCALE

SP 1002-101 TH 5  
NO WETLAND IMPACTS  
SHEET 5 OF 13



**LEGEND**

- INPLACE R/W
- AREA OF ENVIRONMENTAL SENSITIVITY
- - - CONSTRUCTION LIMITS
- PERMANENT IMPACTS
- TEMPORARY IMPACTS (MCES)
- TEMPORARY IMPACTS (MNDOT)
- PROPOSED DITCH BOTTOM



SP 1002-101 TH 5  
WETLAND IMPACTS  
SHEET 7 OF 13



**LEGEND**

- INPLACE R/W
- AREA OF ENVIRONMENTAL SENSITIVITY
- CONSTRUCTION LIMITS
- PERMANENT IMPACTS
- TEMPORARY IMPACTS (MCES)
- TEMPORARY IMPACTS (MNDOT)
- PROPOSED DITCH BOTTOM

Wetland #20  
Type 4  
PEMF  
DNR 49W  
TOTAL IMPACT AREA = 3372 SQ FT  
PERMANENT FILL IMPACT = 1641 SQ FT  
TEMPORARY IMPACT (MCES) = 1731 SQ FT

Wetland #21  
Type 2  
PEMB  
TOTAL IMPACT AREA = 3088 SQ FT  
PERMANENT FILL IMPACT = 2807 SQ FT  
PERMANENT CUT IMPACT = 281 SQ FT

**SP 1002-101 TH 5  
WETLAND IMPACTS  
SHEET 8 OF 13**

100  
SCALE IN FEET







**LEGEND**

- INPLACE R/W
- ★ AREA OF ENVIRONMENTAL SENSITIVITY
- - - CONSTRUCTION LIMITS
- PERMANENT IMPACTS
- TEMPORARY IMPACTS (MCES)
- TEMPORARY IMPACTS (MNDOT)
- PROPOSED DITCH BOTTOM

Wetland #17  
Type 4  
PEMF  
TOTAL IMPACT = 197 SQ FT  
TEMPORARY IMPACT (MCES) = 197 SQ FT

Wetland #14  
Type 2  
PEMBd  
TOTAL IMPACT = 567 SQ FT  
PERMANENT FILL IMPACT = 473 SQ FT  
PERMANENT CUT IMPACT = 94 SQ FT  
NLF = 567 SQ FT

**SP 1002-101 TH 5  
WETLAND IMPACTS  
SHEET 11 OF 13**

