



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, MVP DISTRICT
ST. PAUL DISTRICT OFFICE
332 MINNESOTA STREET SUITE E1500
ST. PAUL MINNESOTA 55101

MVP

June 23, 2025

MEMORANDUM FOR RECORD

SUBJECT: US Army Corps of Engineers (Corps) Approved Jurisdictional Determination in accordance with the "Revised Definition of 'Waters of the United States'"; (88 FR 3004 (January 18, 2023) as amended by the "Revised Definition of 'Waters of the United States'; Conforming" (8 September 2023) ,¹ MVP-2017-04304-TJH

BACKGROUND. An Approved Jurisdictional Determination (AJD) is a Corps document stating the presence or absence of waters of the United States on a parcel or a written statement and map identifying the limits of waters of the United States on a parcel. AJDs are clearly designated appealable actions and will include a basis of JD with the document.² AJDs are case-specific and are typically made in response to a request. AJDs are valid for a period of five years unless new information warrants revision of the determination before the expiration date or a District Engineer has identified, after public notice and comment, that specific geographic areas with rapidly changing environmental conditions merit re-verification on a more frequent basis.³

On January 18, 2023, the Environmental Protection Agency (EPA) and the Department of the Army ("the agencies") published the "Revised Definition of 'Waters of the United States,'" 88 FR 3004 (January 18, 2023) ("2023 Rule"). On September 8, 2023, the agencies published the "Revised Definition of 'Waters of the United States'; Conforming", which amended the 2023 Rule to conform to the 2023 Supreme Court decision in *Sackett v. EPA*, 598 U.S., 143 S. Ct. 1322 (2023) ("*Sackett*").

This Memorandum for Record (MFR) constitutes the basis of jurisdiction for a Corps AJD as defined in 33 CFR §331.2. For the purposes of this AJD, we have relied on Section 10 of the Rivers and Harbors Act of 1899 (RHA),⁴ the 2023 Rule as amended, as well as other applicable guidance, relevant case law, and longstanding practice in evaluating jurisdiction.

¹ While the Revised Definition of "Waters of the United States"; Conforming had no effect on some categories of waters covered under the CWA, and no effect on any waters covered under RHA, all categories are included in this Memorandum for Record for efficiency.

² 33 CFR 331.2.

³ Regulatory Guidance Letter 05-02.

⁴ USACE has authority under both Section 9 and Section 10 of the Rivers and Harbors Act of 1899 but for convenience, in this MFR, jurisdiction under RHA will be referred to as Section 10.

MVP

SUBJECT: 2023 Rule, as amended, Approved Jurisdictional Determination in Light of *Sackett v. EPA*, 143 S. Ct. 1322 (2023), MVP-2017-04304-TJH

1. SUMMARY OF CONCLUSIONS.

- a. Provide a list of each individual feature within the review area and the jurisdictional status of each one (i.e., identify whether each feature is/is not a water of the United States and/or a navigable water of the United States).

Name of Aquatic Resource	JD or Non-JD	Section 404/Section 10
Linear Ditch 1	Non-Jurisdictional	Non-WOTUS
Linear Ditch 2	Non-Jurisdictional	Non-WOTUS

2. REFERENCES.

- a. "Revised Definition of 'Waters of the United States,'" 88 FR 3004 (January 18, 2023) ("2023 Rule")
- b. "Revised Definition of 'Waters of the United States'; Conforming" 88 FR 61964 (September 8, 2023))
- c. *Sackett v. EPA*, 598 U.S. 651, 143 S. Ct. 1322 (2023)
- d. Memorandum To The Field Between The U.S. Department Of The Army, U.S. Army Corps Of Engineers And The U.S. Environmental Protection Agency Concerning The Proper Implementation Of 'Continuous Surface Connection' Under The Definition Of "Waters Of The United States" Under The Clean Water Act" (March 12, 2025)

3. REVIEW AREA. The review area for this determination includes 2 non-jurisdictional ditches labeled as Linear Ditch 1 and Linear Ditch 2, on the attached figures labeled as 2017-04304-TJH Figures 1 of 11 through 11 of 11. A wetland delineation was completed for the project site on May 9, 2023. The review area is located along an approximately 1000-foot segment of Trunk Highway (TH) 18 in Section 32, Township 45 North, Range 25 West, Aitkin County, Minnesota. The approximate center coordinates of the site (in decimal degrees) are Latitude: 46.343610, Longitude: -93.530920. There are no other JDs associated with this review area.

4. NEAREST TRADITIONAL NAVIGABLE WATER (TNW), THE TERRITORIAL SEAS, OR INTERSTATE WATER TO WHICH THE AQUATIC RESOURCE IS CONNECTED. N/A

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5. FLOWPATH FROM THE SUBJECT AQUATIC RESOURCES TO A TNW, THE TERRITORIAL SEAS, OR INTERSTATE WATER. N/A
6. SECTION 10 JURISDICTIONAL WATERS⁵: Describe aquatic resources or other features within the review area determined to be jurisdictional in accordance with Section 10 of the Rivers and Harbors Act of 1899. Include the size of each aquatic resource or other feature within the review area and how it was determined to be jurisdictional in accordance with Section 10.⁶ N/A
7. SECTION 404 JURISDICTIONAL WATERS: Describe the aquatic resources within the review area that were found to meet the definition of waters of the United States in accordance with the 2023 Rule as amended, consistent with the Supreme Court's decision in *Sackett*. List each aquatic resource separately, by name, consistent with the naming convention used in section 1, above. Include a rationale for each aquatic resource, supporting that the aquatic resource meets the relevant category of "waters of the United States" in the 2023 Rule as amended. The rationale should also include a written description of, or reference to a map in the administrative record that shows, the lateral limits of jurisdiction for each aquatic resource, including how that limit was determined, and incorporate relevant references used. Include the size of each aquatic resource in acres or linear feet and attach and reference related figures as needed.
 - a. Traditional Navigable Waters (TNWs) (a)(1)(i): N/A
 - b. The Territorial Seas (a)(1)(ii): N/A
 - c. Interstate Waters (a)(1)(iii): N/A
 - d. Impoundments (a)(2): N/A
 - e. Tributaries (a)(3): N/A
 - f. Adjacent Wetlands (a)(4): N/A

⁵ 33 CFR 329.9(a) A waterbody which was navigable in its natural or improved state, or which was susceptible of reasonable improvement (as discussed in § 329.8(b) of this part) retains its character as "navigable in law" even though it is not presently used for commerce, or is presently incapable of such use because of changed conditions or the presence of obstructions.

⁶ This MFR is not to be used to make a report of findings to support a determination that the water is a navigable water of the United States. The district must follow the procedures outlined in 33 CFR part 329.14 to make a determination that water is a navigable water of the United States subject to Section 10 of the RHA.

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g. Additional Waters (a)(5): N/A

8. NON-JURISDICTIONAL AQUATIC RESOURCES AND FEATURES

- a. Describe aquatic resources and other features within the review area identified in the 2023 Rule as amended as not “waters of the United States” even where they otherwise meet the terms of paragraphs (a)(2) through (5). Include the type of excluded aquatic resource or feature, the size of the aquatic resource or feature within the review area and describe how it was determined to meet one of the exclusions listed in 33 CFR 328.3(b).⁷

Linear Ditch 1 and Linear Ditch 2 are roadside ditches constructed in upland within the TH 18 right of way based on review of the wetland delineation report and desktop resources including US Geological Service 3DEP Hillshade and DEM maps; MnDNR 2-foot contour maps; MnDNR NWI Wetland Finder/NWI maps; NHD data; and NRCS hydric soil data; and aerial imagery from Google Earth Pro. Recent aerial photos do not show relatively permanent flow. Based on the wetland delineation and desktop resources reviewed, these aquatic resources were excavated wholly in and draining only uplands and do not carry a relatively permanent flow and, according to exclusion (b)(3) of the 2023 Rule, as amended, are not waters of the United States.

9. DATA SOURCES. List sources of data/information used in making determination. Include titles and dates of sources used and ensure that information referenced is available in the administrative record.

- a. Wetland Delineation report prepared by MnDOT, May 9, 2023
- b. Desktop evaluation conducted June 20, 2025
- c. USGS LiDAR, 3DEP Elevation Model, USGS TNM – National Hydrography Dataset, USFWS NWI Maps, and USDA/NRCS Soil Survey Map

10. OTHER SUPPORTING INFORMATION. N/A

11. NOTE: The structure and format of this MFR were developed in coordination with the EPA and Department of the Army. The MFR’s structure and format may be subject to future modification or may be rescinded as needed to implement additional guidance from the agencies; however, the approved jurisdictional determination described herein is a final agency action.

⁷ 88 FR 3004 (January 18, 2023)

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PIT DATA

COUNTY : AITKIN
 SOURCE NO. : 01061
 LOCATION : NE 1/4 OF NW 1/4
 T. 144 N R. 25 W S3
 MATERIAL : BORROW

MINNESOTA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN FOR GRADING, BITUMINOUS SURFACING AND BOX CULVERTS 01X10

LOCATED ON T.H. 18 FROM 1.1 MILE WEST OF TH 47 TO 1.0 MILE WEST OF TH 47

STATE PROJ. NO. 0102-29 (TH 18)
 GROSS LENGTH 740.66 FEET 0.140 MILES
 BRIDGES-LENGTH FEET MILES
 EXCEPTIONS-LENGTH FEET MILES
 NET LENGTH 740.66 FEET 0.140 MILES
 REF. POINT 37+00.316 TO REF. POINT 37+00.457

FED. PROJ. NO.

GOVERNING SPECIFICATIONS
 THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION
 'STANDARD SPECIFICATIONS FOR CONSTRUCTION' SHALL GOVERN.

INDEX

- 1 ——— TITLE SHEET
- 2 ——— GENERAL LAYOUT
- 3 ——— ESTIMATED QUANTITIES
- 4 ——— STANDARD PLATES & STANDARD PLANS
- 5 ——— SOIL & CONSTRUCTION NOTE & PUBLIC UTILITIES
- 6 ——— TYPICAL SECTIONS
- 7-8 ——— TABULATED QUANTITIES
- 9 ——— ALIGNMENT TABULATIONS
- 10-11 ——— DESIGN DETAILS
- 12 ——— STAGING PLAN
- 13 ——— PROFILE PLAN
- 14 ——— REMOVAL/UTILITY & CONSTRUCTION PLAN
- 15 ——— EROSION CONTROL AND TURF ESTABLISHMENT
- 16-17 ——— ENVIRONMENTAL MANAGEMENT PLAN
- 18-19 ——— NWI MAP & SWPPP
- B1-810 ——— BRIDGE PLAN 01X10
- TC1-TC8 ——— TRAFFIC CONTROL PLAN
- PM1-PM3 ——— PAVEMENT MARKING & RUMBLE STRIP PLAN
- ST1-ST3 ——— SIGNING PLAN
- X1-X10 ——— X-SECTIONS

THIS PLAN CONTAINS 53 SHEETS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: ROBERT MILLER LICENSE # 23164

DATE: SIGNATURE:

DESIGN SQUAD: KIM RISVOLD, CARL DUSBABEK, BRAD BUSHO & STEVE LUST

- RECOMMENDED FOR APPROVAL DISTRICT TRANSPORTATION ENGINEER 20
- RECOMMENDED FOR APPROVAL DISTRICT MATERIALS ENGINEER 20
- RECOMMENDED FOR APPROVAL DISTRICT WATER RESOURCES/HYDRAULICS ENGINEER 20
- RECOMMENDED FOR APPROVAL DISTRICT TRAFFIC ENGINEER 20
- RECOMMENDED FOR APPROVAL STATE PRE-LETTING ENGINEER 20
- OFFICE OF LAND MANAGEMENT APPROVAL DIRECTOR, LAND MANAGEMENT 20
- APPROVED 20 STATE DESIGN ENGINEER

I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS, IF ANY, WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: LICENSE #

DATE: SIGNATURE:

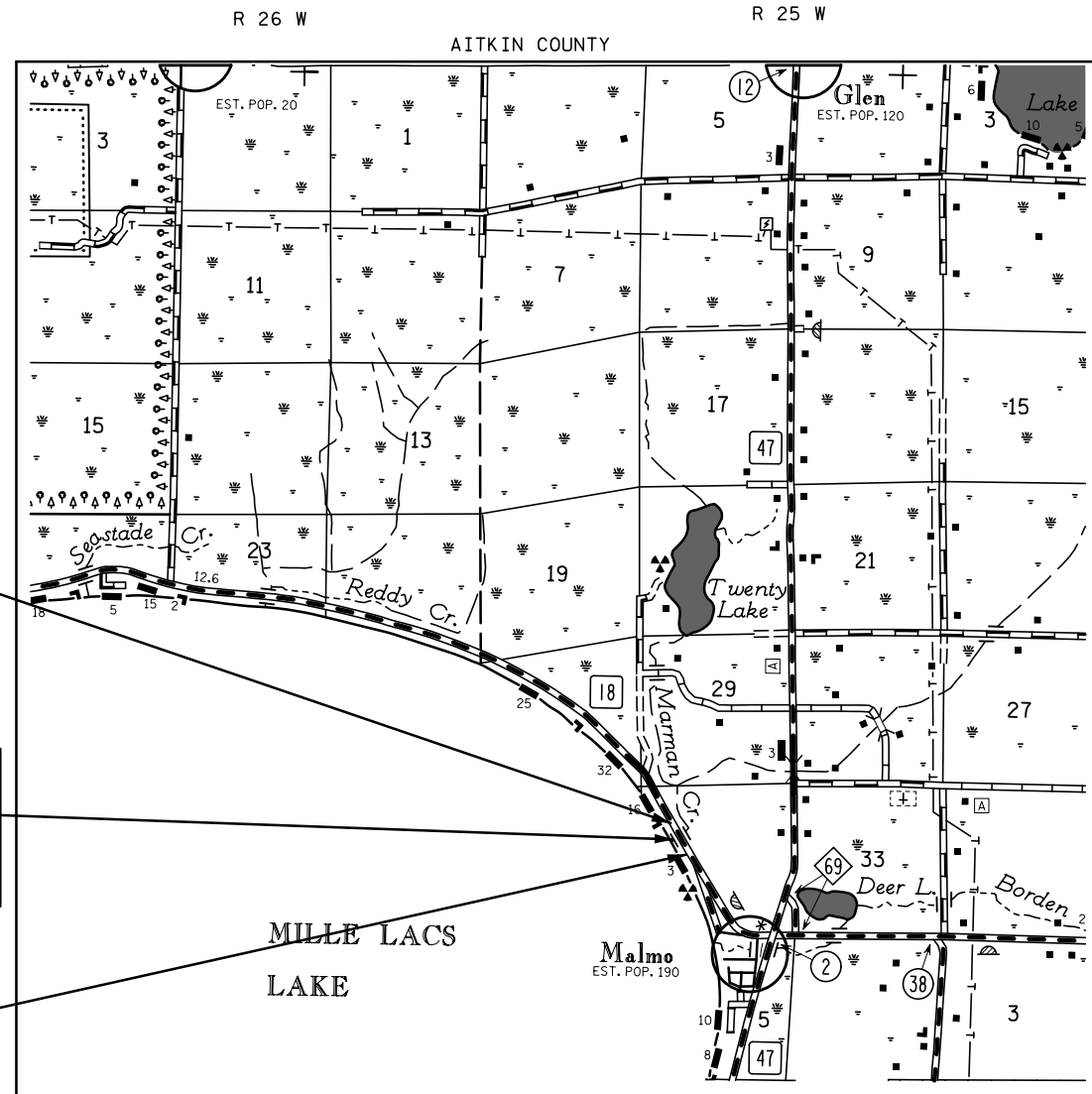
STATION EQUATION

T.H. 18
 PT 609+42.48 R31(BK)=POT 608+56.82 R32(AH)

BEGIN S.P. 0102-29 (TH 18)
 STA. 606+00.00 R31
 REF. PT. 37+00.316

REMOVE BRIDGE NO. 0729
 CONSTRUCT BOX CULVERT NO. 01X10
 STA. 608+91.43 R32
 REF. PT. 37+00.381

END S.P. 0102-29 (TH 18)
 STA. 612+55.00 R32
 REF. PT. 37+00.457



T 45 N
T 44 N

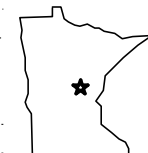


SCALES
 INDEX MAP 1 MILE

PLAN REVISIONS		
DATE	SHEET NO.	APPROVER

DESIGN DESIGNATION (SP 0102-29)
 Design ESALS 2040 YEAR = 122000
 ADT (Current Year) (2020) = 950
 ADT (Future Year) (2040) = 1070

Design Speed 60 MPH
 Based on Sight Distance
 Height of eye Height of object
 Design Speed not achieved at:
 STA. TO STA. MPH
 STA. TO STA. MPH



PROJECT LOCATION
 COUNTY: AITKIN
 DISTRICT: 3

FOR PLANS AND UTILITIES SYMBOLS SEE TECHNICAL MANUAL

STATE PROJ. NO. 0102-29 CHARGE IDENTIFIER

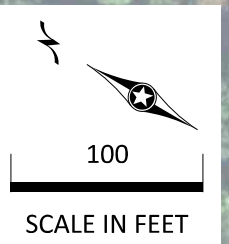
PLOTTED/REVISED: 20-FEB-2025

DISTRICT #: DISTRICT 3 - BAXTER, MN
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PAGE 1

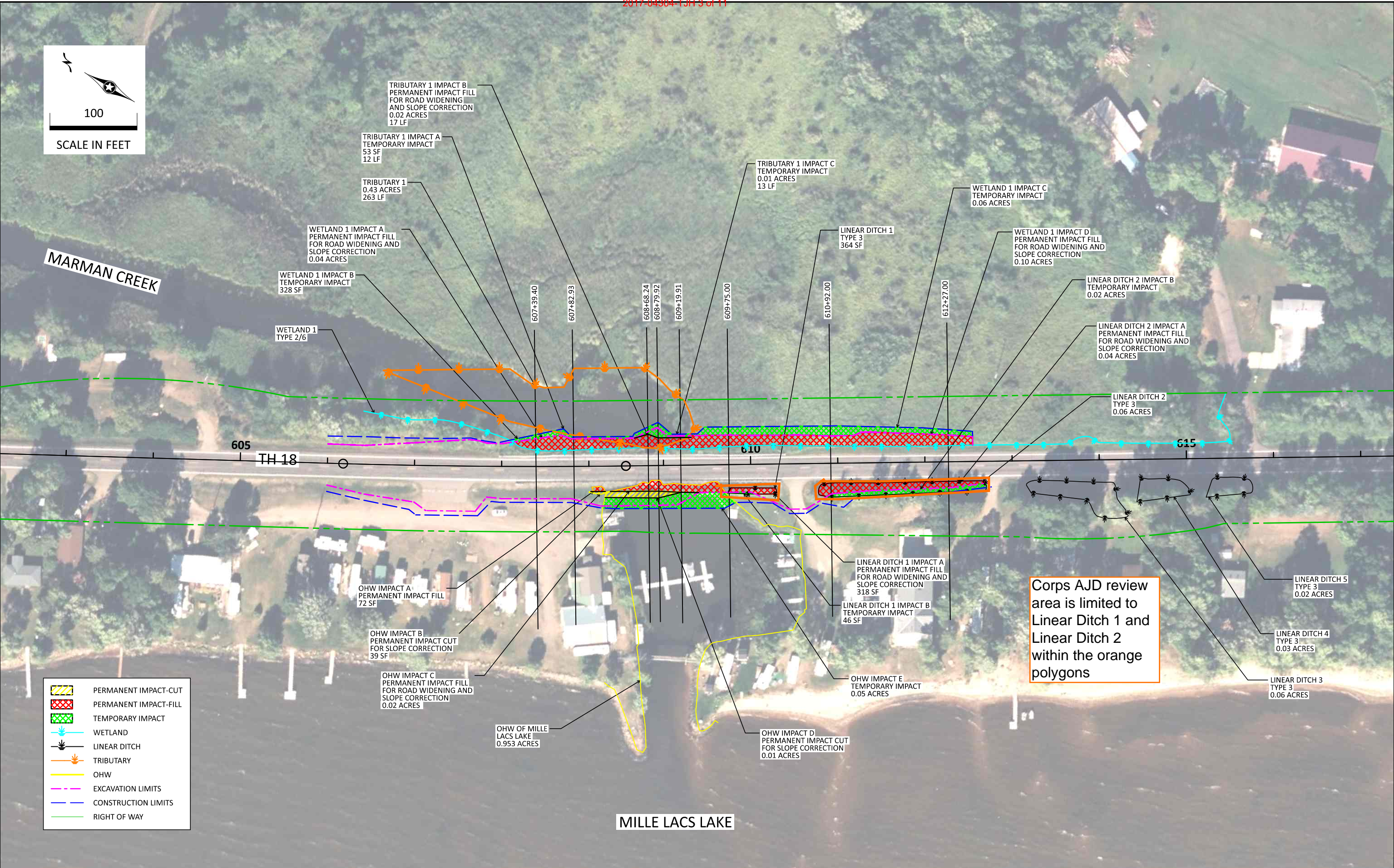
MALMO





PLOTTED/REVISED: 8-APR-2025

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Corps AJD review area is limited to Linear Ditch 1 and Linear Ditch 2 within the orange polygons



WETLANDS
STA. 603+00.00 TO STA. 617+00.00

SP 0102-29	SHEET NO.	1
TH 18	TOTAL SHEETS	1

LEGEND

- EXISTING R/W
- - - TEMPORARY EASEMENT
- DIRECTION OF FLOW



100
SCALE IN FEET

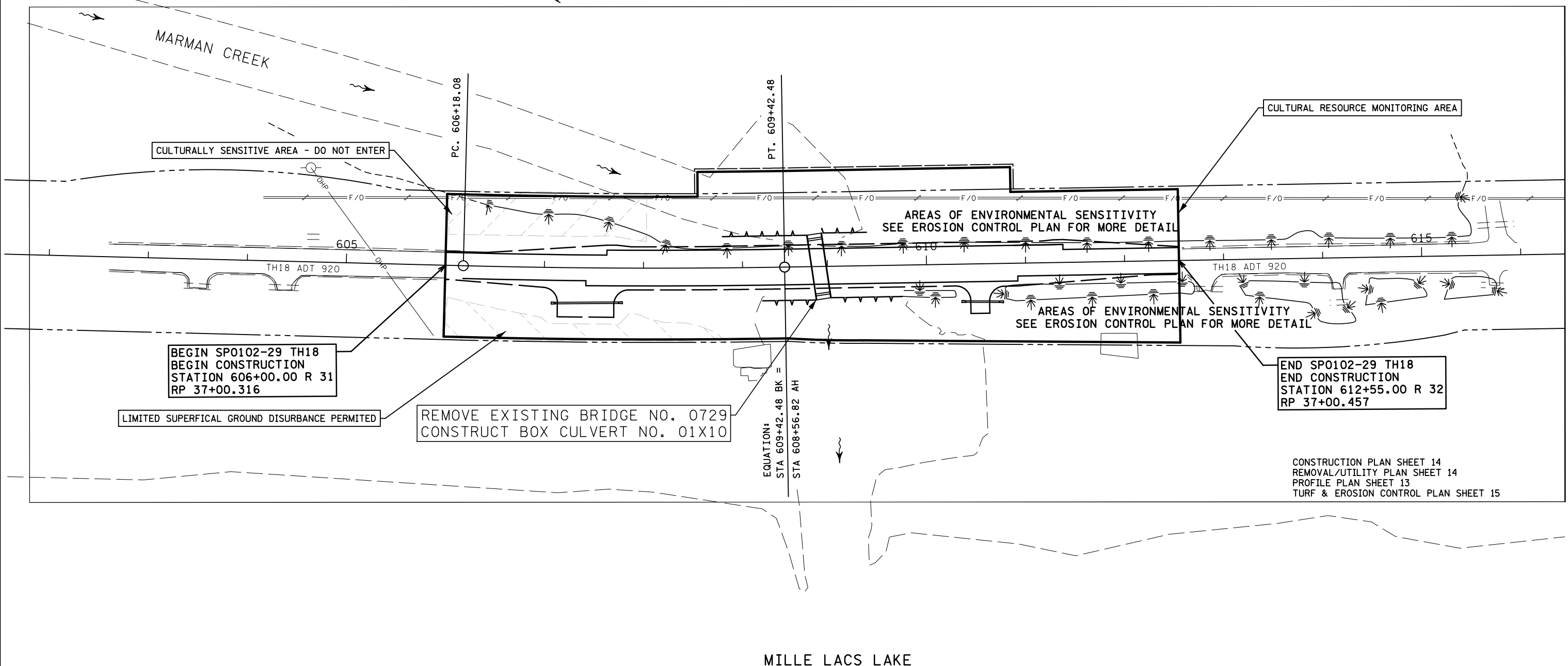
PI 607+80.30
 X 475,142.593
 Y 169,170.000
 Δ 26 24' 03.34"
 DT 162.22 24.41" (LT)
 L R 7.741.49
 PC 606+18.08
 PT 609+42.48

GENERAL NOTES:

- FOR AREAS OF ENVIRONMENTAL/CULTURAL SENSITIVITY, SEE REMOVAL PLAN, CONSTRUCTION PLAN AND CONSTRUCTION NOTES.

SITE PLAN REQUIRED AS PER SPEC. 1717.2C.

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BEGIN SP0102-29 TH18
 BEGIN CONSTRUCTION
 STATION 606+00.00 R 31
 RP 37+00.316

LIMITED SUPERFICIAL GROUND DISURBANCE PERMITTED

REMOVE EXISTING BRIDGE NO. 0729
 CONSTRUCT BOX CULVERT NO. 01X10

EQUATION:
 STA 609+42.48 BK =
 STA 608+56.82 AH

AREAS OF ENVIRONMENTAL SENSITIVITY
 SEE EROSION CONTROL PLAN FOR MORE DETAIL

AREAS OF ENVIRONMENTAL SENSITIVITY
 SEE EROSION CONTROL PLAN FOR MORE DETAIL

END SP0102-29 TH18
 END CONSTRUCTION
 STATION 612+55.00 R 32
 RP 37+00.457

CONSTRUCTION PLAN SHEET 14
 REMOVAL/UTILITY PLAN SHEET 14
 PROFILE PLAN SHEET 13
 TURF & EROSION CONTROL PLAN SHEET 15

MILLE LACS LAKE

GENERAL LAYOUT

CERTIFIED BY _____ DATE: 20-FEB-2025 LIC. NO. 23164
 LICENSED PROFESSIONAL ENGINEER

FILE NAME: Projects\03_BAX\018\0102\029\Design\ORD\d010229_glt.dgn

STATE PROJ. NO. 0102-29 (TH 18) SHEET NO. 2 OF 19 SHEETS

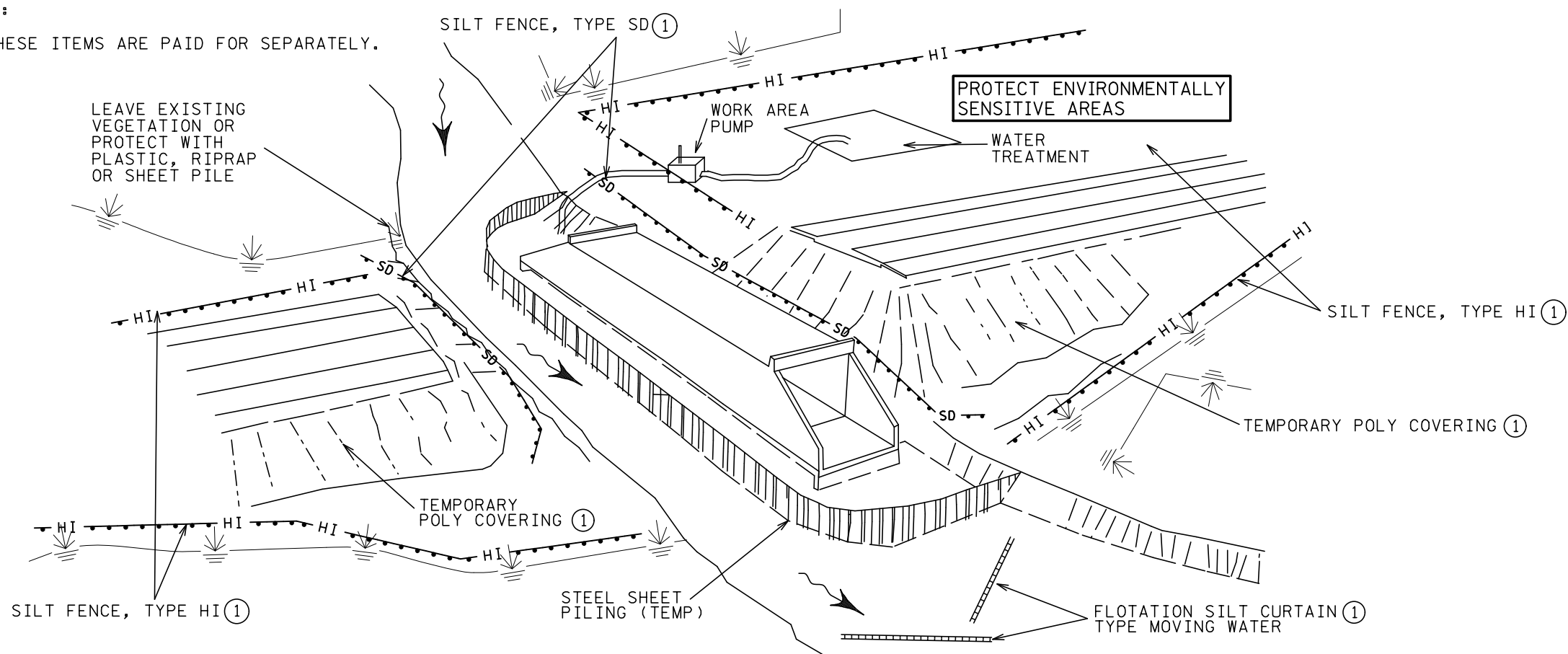
TEMPORARY STREAM DIVERSION

DIVERSION SYSTEM IS AN EXAMPLE ONLY. ACTUAL FACILITIES CAN BE ANY OF A VARIETY OF METHODS, BASED ON THE SITE CONDITIONS AND AVAILABLE MATERIALS.

HYDRAULIC ANALYSIS	
STREAM NAME	MARMAN CREEK (BRIDGE 01X10)
INLET ELEVATION	1245.20 FT
OUTLET ELEVATION	1245.16 FT
2 YEAR FLOOD FREQUENCY	190 CFS
AVG. VELOCITY THROUGH STRUCTURE	2.2 FT/S
MAIN CHANNEL VELOCITY	2.1 FT/S
DESIGN FLOOD (50 YEAR FREQUENCY)	590 CFS
HEADWATER ELEVATION	1254.6 FT
GREATEST FLOOD (500 YEAR FREQUENCY)	930 CFS
HEADWATER ELEVATION	1255.4 FT
BASIC FLOOD (100 YEAR FREQUENCY)	690 CFS
HEADWATER ELEVATION	1254.8 FT

NOTE:

① THESE ITEMS ARE PAID FOR SEPARATELY.



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DISTRICT #: DISTRICT 3 - BAXTER, MN
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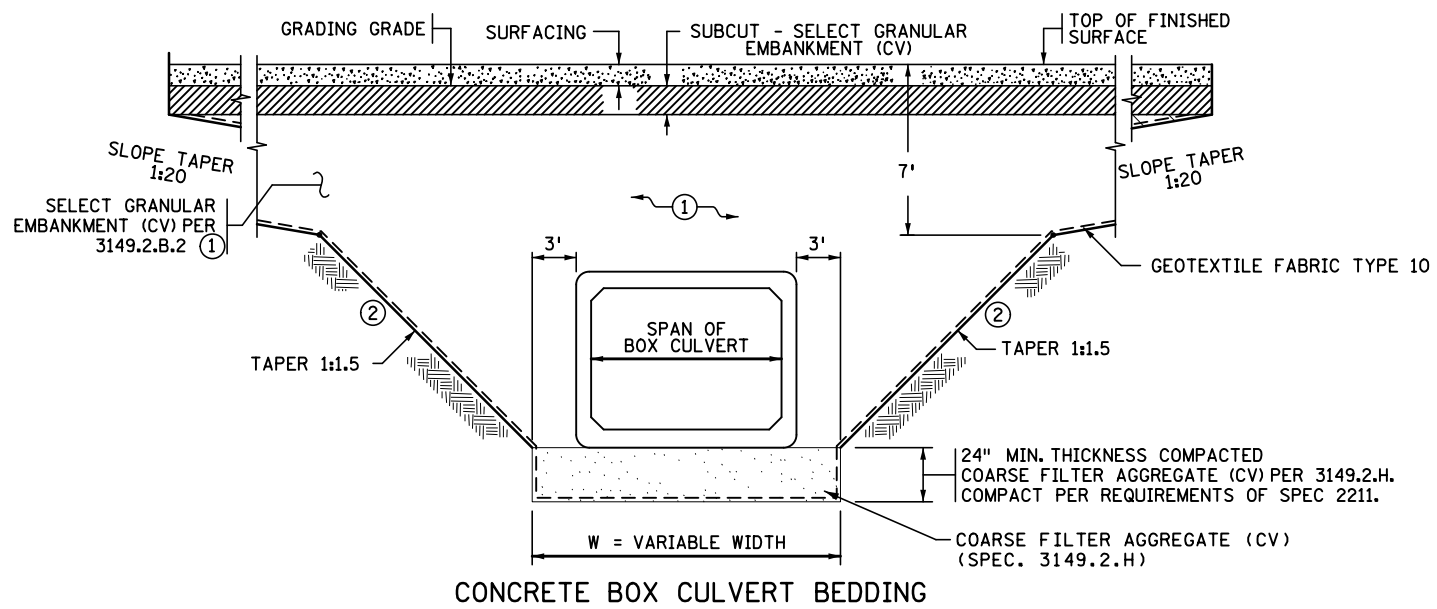
MISCELLANEOUS DETAILS

CERTIFIED BY _____ DATE: 13-FEB-2025 LIC. NO. 23164
 LICENSED PROFESSIONAL ENGINEER

FILE NAME: Projects\03_BAX\018\0102\029\Design\ORD\d010229_dd1.dgn

STATE PROJ. NO. 0102-29 (TH 18)

SHEET NO. 10 OF 19 SHEETS

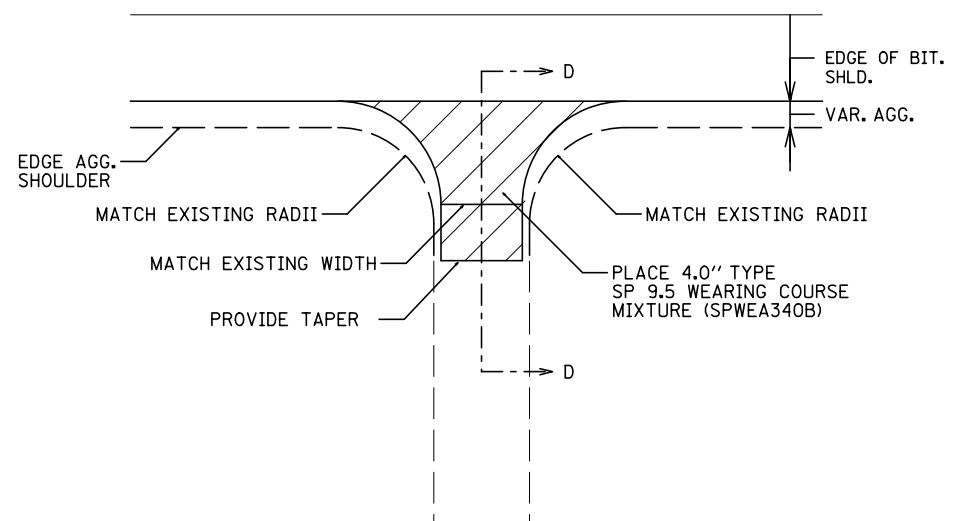


NOTES

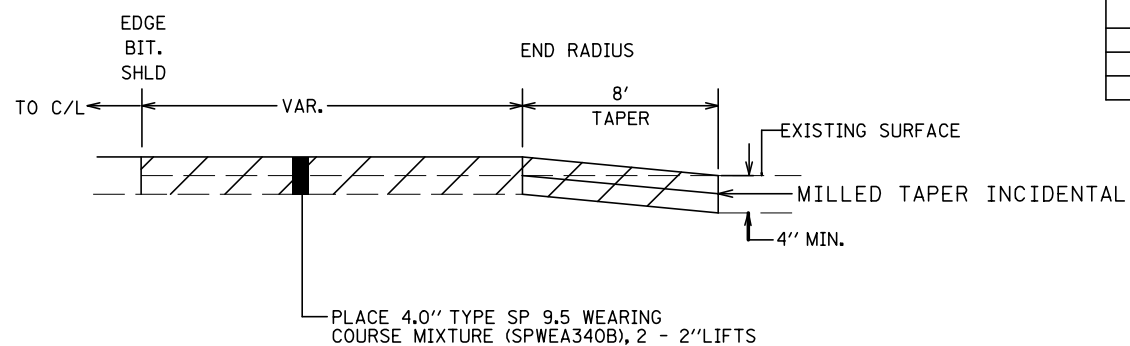
EXCAVATE & CONSTRUCT ALL TRENCHES AND SLOPES PER OSHA REQUIREMENTS.
ALL SLOPES SHOWN AS (V) : (H)

- ① MAXIMUM EMBANKMENT PARTICLE SIZE WITHIN 2 FT. OF CULVERT IS 3" PER SPEC. TABLE 2106.3-3.
- ② OVER EXCAVATION BENEATH TAPERS IS NOT PERMITTED UNLESS REQUIRED BY OSHA. (TYP.)

**PROPOSED TOWNSHIP, COUNTY ROAD , RESIDENTIAL & COMMERCIAL
(EXISTING BITUMINOUS CONDITION)**



SECTION D-D



ENTRANCES	
	TH 18
TYPE	
RES. ENT. - BIT.	2

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DISTRICT #: DISTRICT 3 - BAXTER, MN
PLOT NAME: d010229_dd1.dgn
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BOX CULVERT TREATMENT & ENTRANCE DETAILS

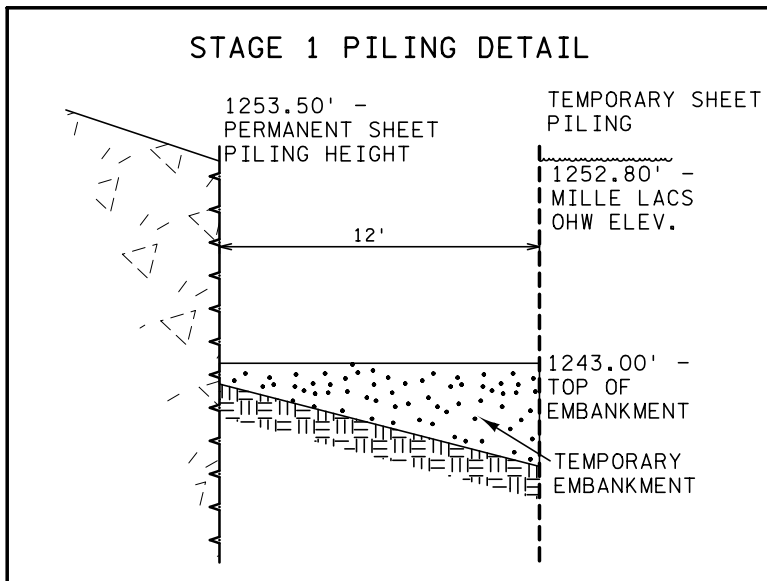
CERTIFIED BY _____ DATE: 13-FEB-2025 LIC. NO. 23164
LICENSED PROFESSIONAL ENGINEER

FILE NAME: Projects\03_BAX\018\0102\029\Design\ORD\d010229_dd1.dgn

STATE PROJ. NO. 0102-29 (TH 18)

SHEET NO. 11 OF 19 SHEETS

STAGE 1 PILING DETAIL



TEMPORARY EMBANKMENT MATERIAL REQUIREMENTS		
ANTICIPATED FILL	FRICTION ANGLE	SOIL WEIGHT (PCF)
FINE SAND (VERY LOOSE)	26-28	100-110
COARSE SAND (VERY LOOSE)	26-30	100-110
GRAVEL	32-34	100-120

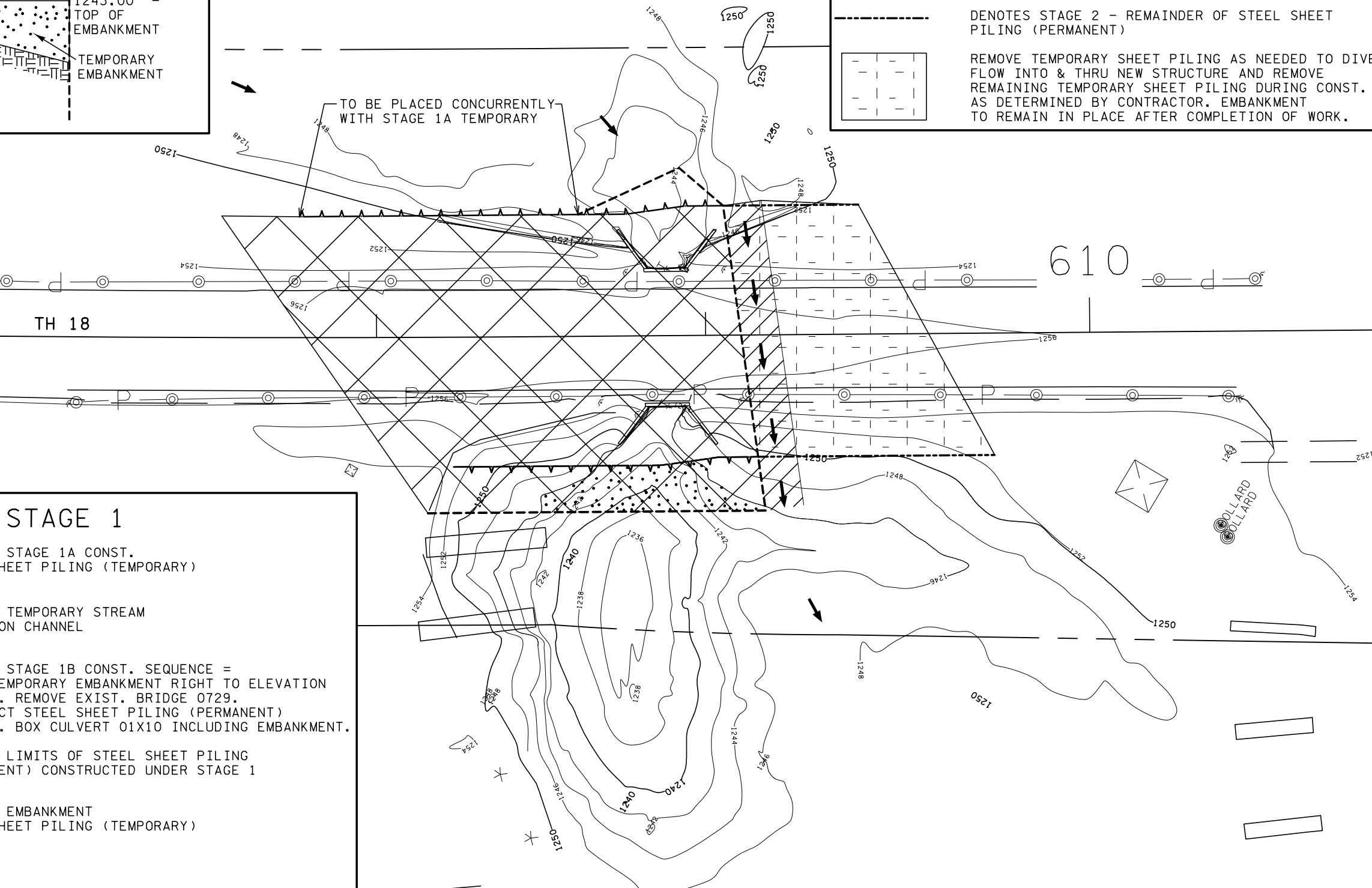
NOTE: TEMPORARY EMBANKMENT TO REMAIN





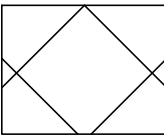
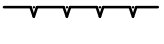
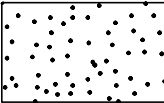
STAGE 2

DENOTES STAGE 2 - REMAINDER OF STEEL SHEET PILING (PERMANENT)

REMOVE TEMPORARY SHEET PILING AS NEEDED TO DIVERT FLOW INTO & THRU NEW STRUCTURE AND REMOVE REMAINING TEMPORARY SHEET PILING DURING CONST. AS DETERMINED BY CONTRACTOR. EMBANKMENT TO REMAIN IN PLACE AFTER COMPLETION OF WORK.



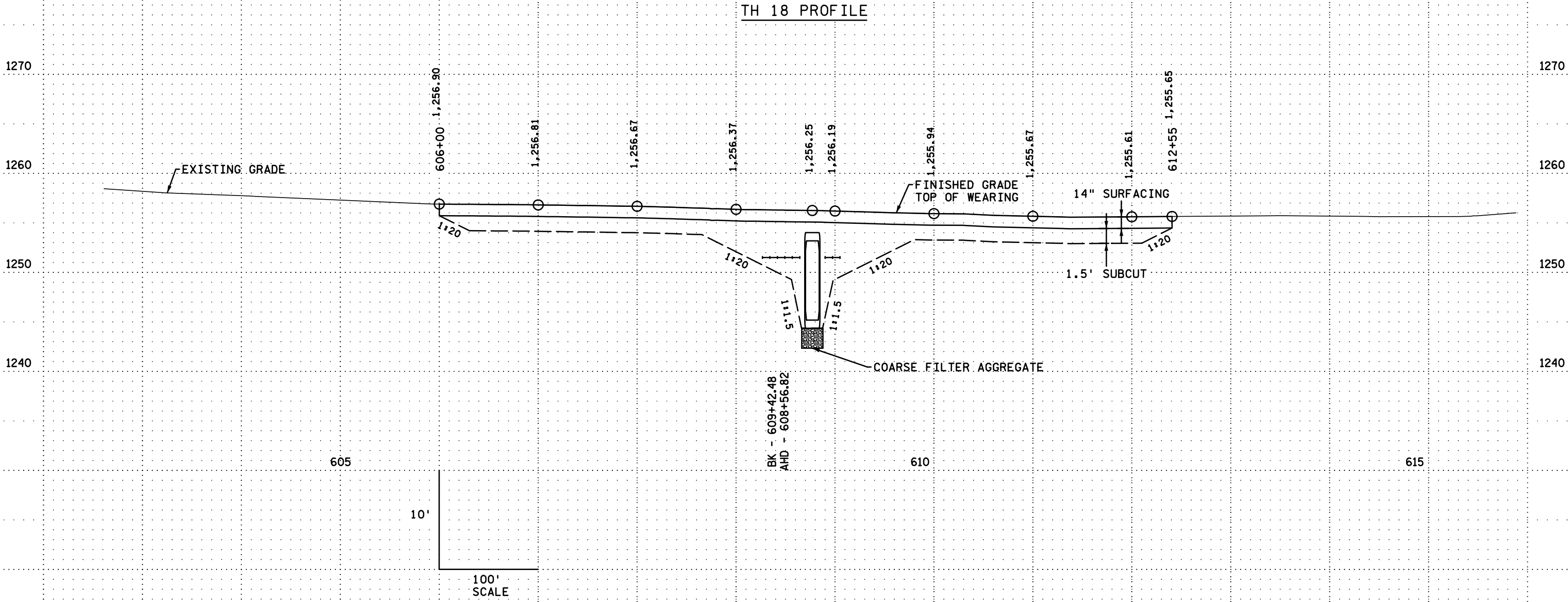
STAGE 1

-  DENOTES STAGE 1A CONST. STEEL SHEET PILING (TEMPORARY)
-  DENOTES TEMPORARY STREAM DIVERSION CHANNEL
-  DENOTES STAGE 1B CONST. SEQUENCE = PLACE TEMPORARY EMBANKMENT RIGHT TO ELEVATION 1243.00. REMOVE EXIST. BRIDGE 0729. CONSTRUCT STEEL SHEET PILING (PERMANENT) & CONST. BOX CULVERT 01X10 INCLUDING EMBANKMENT.
-  DENOTES LIMITS OF STEEL SHEET PILING (PERMANENT) CONSTRUCTED UNDER STAGE 1
-  DENOTES EMBANKMENT STEEL SHEET PILING (TEMPORARY)

DISTRICT #: DISTRICT 3 - BAXTER, MN
 PLOT NAME: d010229.stg1.dgn
 PATH & FILENAME: Projects\03_BAX\018\0102\029\Design\ORD\d010229.stg1.dgn
 PLOTTED/REVISED: 13-FEB-2025

PLOTTED/REVISED: 13-FEB-2025

DISTRICT #: DISTRICT 3 - BAXTER, MN
PLOT NAME: d010229_pr1.dgn
PATH & FILENAME: Projects\03_BAX\018\0102\029\Design\ORD\d010229_pr1.dgn



THE HORIZONTAL DATUM IS BASED ON AITKIN COUNTY COORDINATES WHICH IS RELATED TO THE MINNESOTA STATE PLANE [CENTRAL] COORDINATE SYSTEM NORTH AMERICAN DATUM OF 1983 [1996 HARN ADJ.]

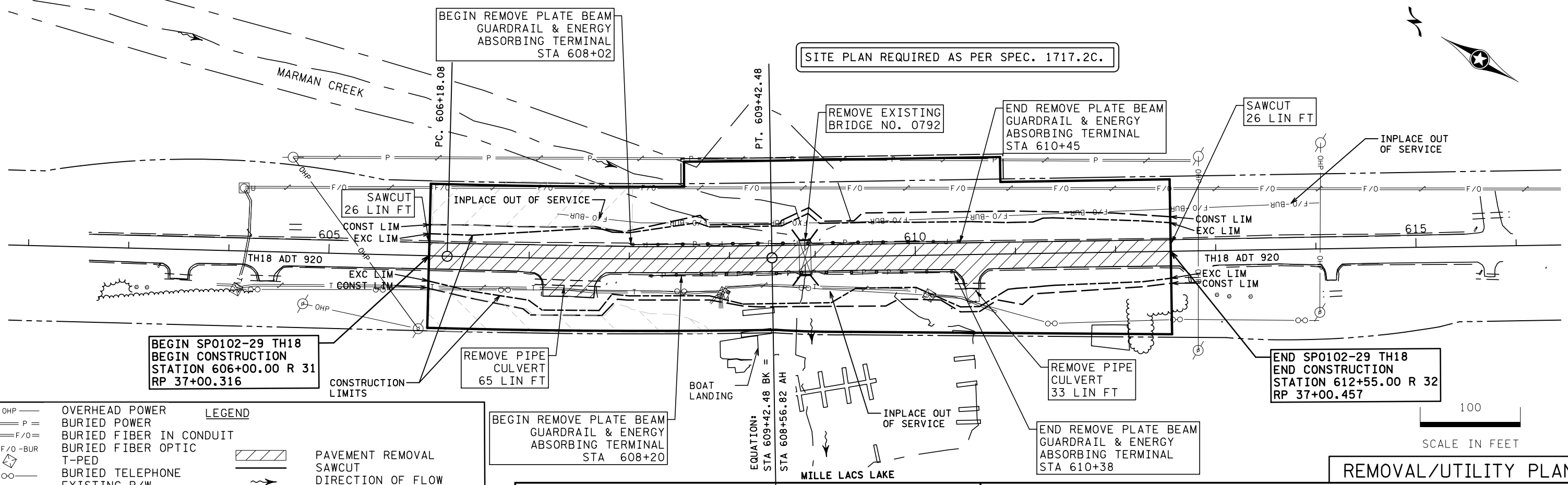
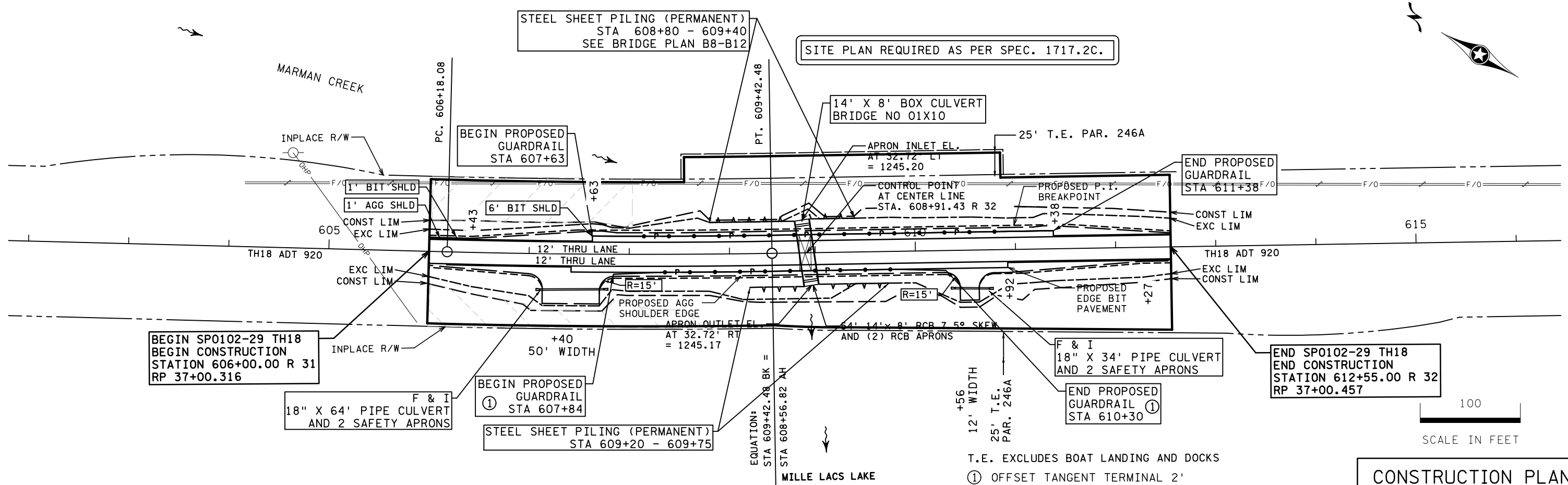
THE VERTICAL DATUM IS BASED ON NORTH AMERICAN VERTICAL DATUM of 1988 [NAVD 88]

PROFILE PLAN

CERTIFIED BY _____ DATE: 13-FEB-2025 LIC. NO. 23164
 LICENSED PROFESSIONAL ENGINEER

PLOTTED/REVISED: 13-FEB-2025

DISTRICT #: DISTRICT 3 - BAXTER, MN
PLOT NAME: d010229_cpl.dgn
PATH & FILENAME: Projects\03_BAX\018\0102\029\Design\ORD\d010229_cpl.dgn



LEGEND

— OHP —	OVERHEAD POWER	▨	PAVEMENT REMOVAL
— P —	BURIED POWER	— SAWCUT —	SAWCUT
— F/O —	BURIED FIBER IN CONDUIT	→	DIRECTION OF FLOW
— F/O - BUR —	BURIED FIBER OPTIC	— PROPOSED PIPE CULVERT —	PROPOSED PIPE CULVERT
— T-PED —	T-PED		
— BURIED TELEPHONE —	BURIED TELEPHONE		
— EXISTING R/W —	EXISTING R/W		
— TEMPORARY EASEMENT —	TEMPORARY EASEMENT		

LEGEND

- EXISTING R/W
- - - PROPOSED R/W
- - - TEMPORARY EASEMENT
- - - HI SILT FENCE (HI)
- - - BR SEDIMENT CONTROL LOG (COMPOST)
- ▬ FLOTATION SILT CURTAIN
- ▨ RAPID STABILIZATION (METHOD 4)
- ▩ RANDOM RIPRAP (CLASS III)
- ⊙ CULVERT END CONTROL
- DIRECTION OF FLOW

EROSION CONTROL

TH 18

SITE PLAN REQUIRED AS PER SPEC. 1717.2C.

AREAS OF ENVIRONMENTAL SENSITIVITY



100
SCALE IN FEET

BEGIN SP0102-29 TH18
BEGIN CONSTRUCTION
STATION 606+00.00 R 31
RP 37+00.316

END SP0102-29 TH18
END CONSTRUCTION
STATION 612+55.00 R 32
RP 37+00.457

AREAS OF ENVIRONMENTAL SENSITIVITY

MILLE LACS LAKE

EROSION CONTROL

LEGEND

- EXISTING R/W
- - - PROPOSED R/W
- - - TEMPORARY EASEMENT
- ▨ EROSION CONTROL BLANKET CAT. 30 WITH SEED SEED MESIC INSLOPE
- ▩ EROSION CONTROL BLANKET CAT. 30 WITH SEED WET DITCH

TURF ESTABLISHMENT

TH 18

SITE PLAN REQUIRED AS PER SPEC. 1717.2C.



100
SCALE IN FEET

BEGIN SP0102-29 TH18
BEGIN CONSTRUCTION
STATION 606+00.00 R 31
RP 37+00.316

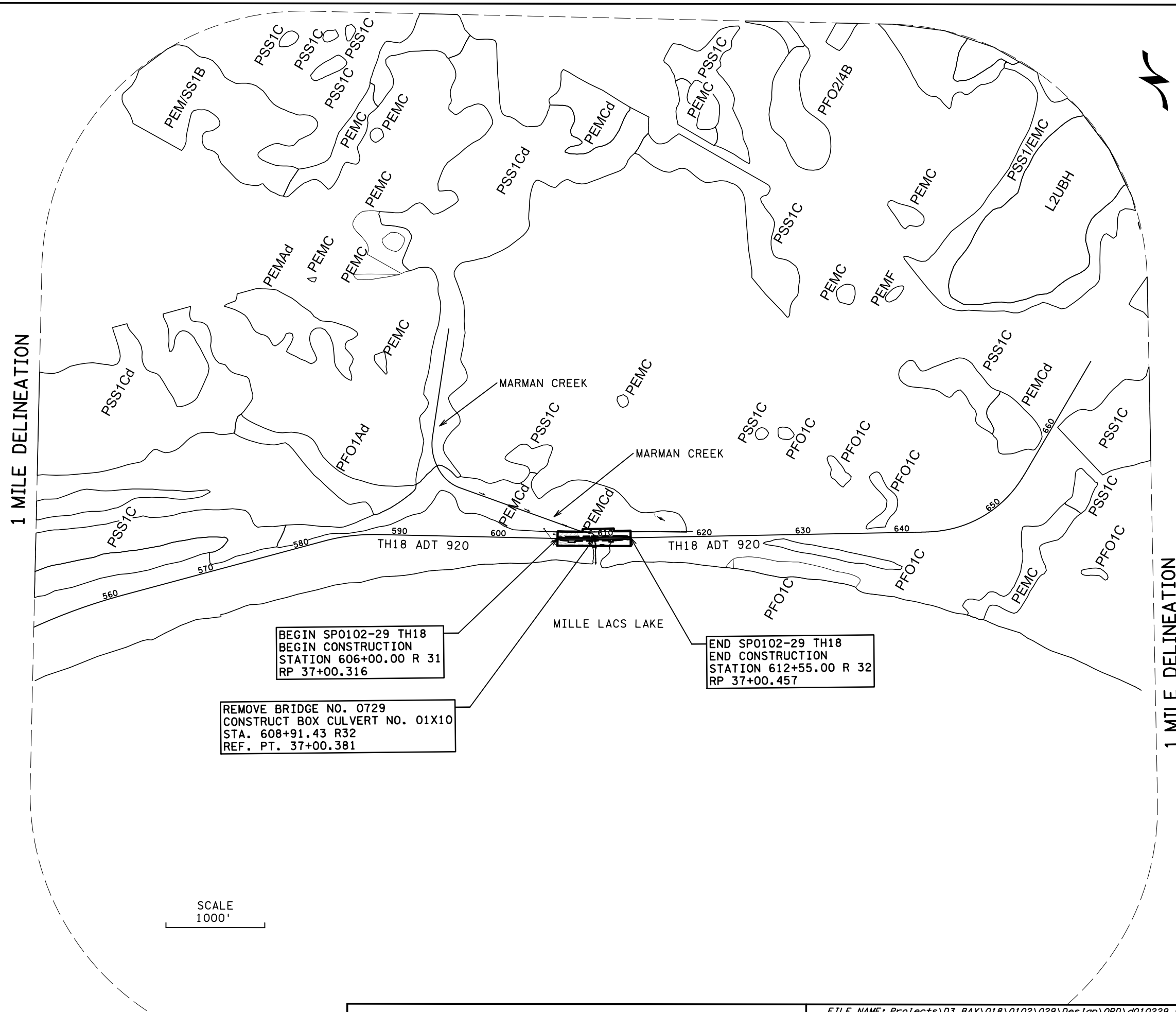
END SP0102-29 TH18
END CONSTRUCTION
STATION 612+55.00 R 32
RP 37+00.457

MILLE LACS LAKE

TURF ESTABLISHMENT

PLOTTED/REVISED: 13-FEB-2025
DISTRICT #: DISTRICT 3 - BAXTER, MN
PLOT NAME: d010229_tel.dgn
PATH & FILENAME: Projects\03_BAX\018\0102\029\Design\ORD\d010229_tel.dgn

DISTRICT #: DISTRICT 3 - BAXTER, MN
PLOT NAME: d010229_wt1.dgn
PATH & FILENAME: Projects\03_BAX\018\0102\029\Design\ORD\d010229_wt1.dgn



SCALE
1000'

BEGIN SP0102-29 TH18
BEGIN CONSTRUCTION
STATION 606+00.00 R 31
RP 37+00.316

REMOVE BRIDGE NO. 0729
CONSTRUCT BOX CULVERT NO. 01X10
STA. 608+91.43 R32
REF. PT. 37+00.381

END SP0102-29 TH18
END CONSTRUCTION
STATION 612+55.00 R 32
RP 37+00.457

1 MILE DELINEATION

1 MILE DELINEATION

NWI MAP

CERTIFIED BY _____ DATE: 13-FEB-2025 LIC. NO. 23164
LICENSED PROFESSIONAL ENGINEER

FILE NAME: Projects\03_BAX\018\0102\029\Design\ORD\d010229_wt1.dgn

STATE PROJ. NO. 0102-29 (TH 18)

SHEET NO. 18 OF 19 SHEETS