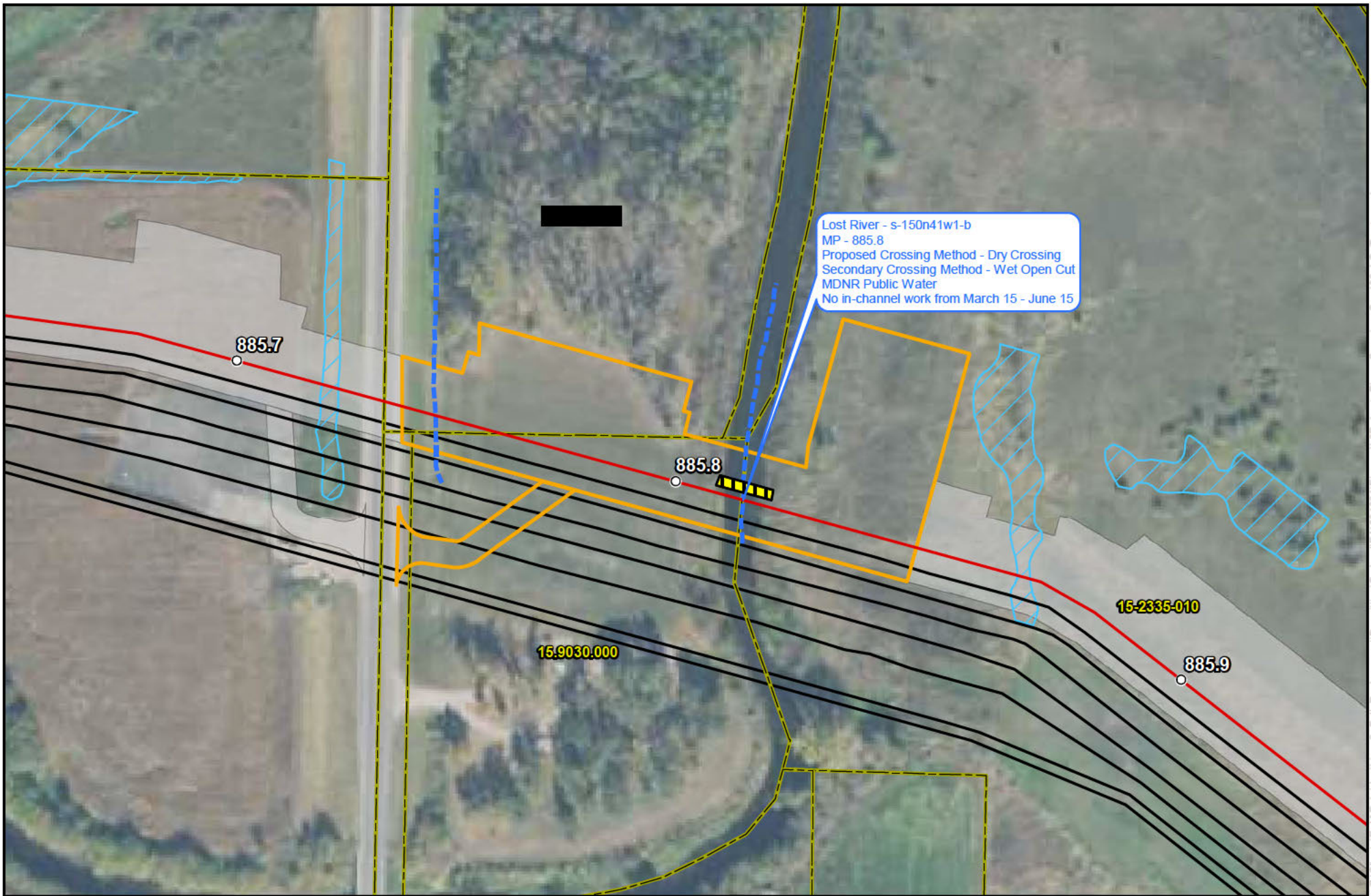


Attachment A
Crossing Location Maps and Site-Specific Environmental
Crossing Plan

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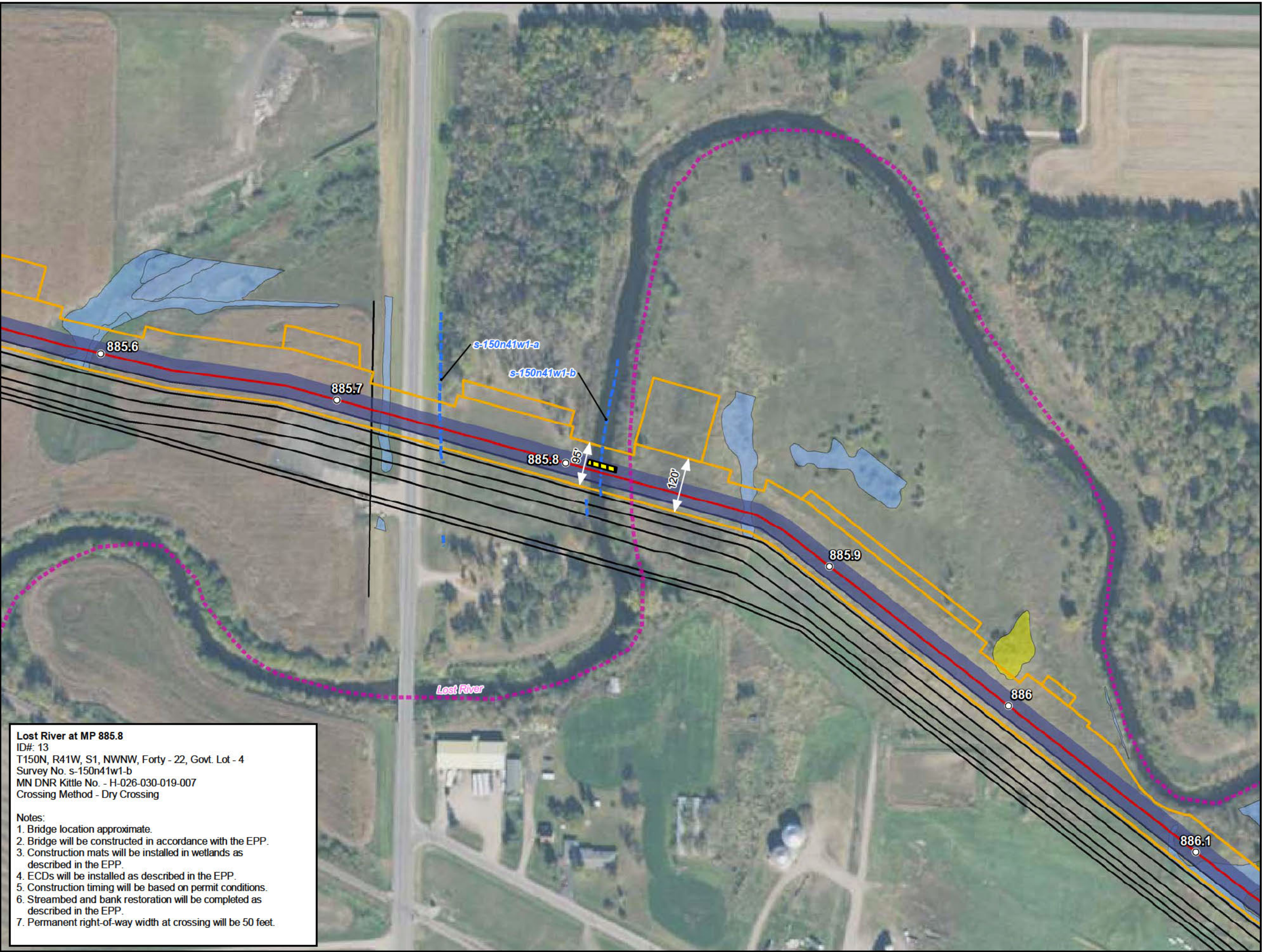
0 75 150 Feet
 1 inch = 150 feet

ENBRIDGE
 For Environmental Review Purposes Only

Line 3 Replacement Project Lost River Crossing Red Lake County, MN

- | | |
|--|-------------------------------|
| ○ Enbridge Milepost | — Existing Enbridge Pipelines |
| ▬ Temporary Bridge | — Field Delineated Waterbody |
| — Proposed L3R Centerline | ▨ Field Delineated Wetland |
| ▭ Workspace - Area of Interest | ▭ Property Boundary |
| ▭ Workspace - Outside Area of Interest | |

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Lost River at MP 885.8
ID#: 13
T150N, R41W, S1, NWNW, Forty - 22, Govt. Lot - 4
Survey No. s-150n41w1-b
MN DNR Kittle No. - H-026-030-019-007
Crossing Method - Dry Crossing

- Notes:
1. Bridge location approximate.
 2. Bridge will be constructed in accordance with the EPP.
 3. Construction mats will be installed in wetlands as described in the EPP.
 4. ECDs will be installed as described in the EPP.
 5. Construction timing will be based on permit conditions.
 6. Streambed and bank restoration will be completed as described in the EPP.
 7. Permanent right-of-way width at crossing will be 50 feet.



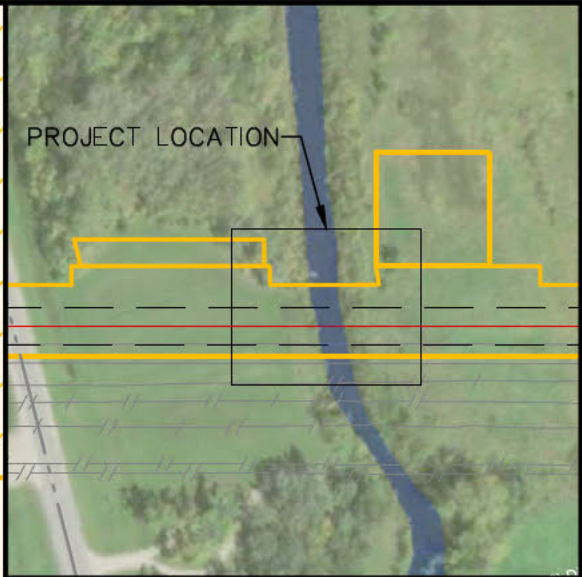
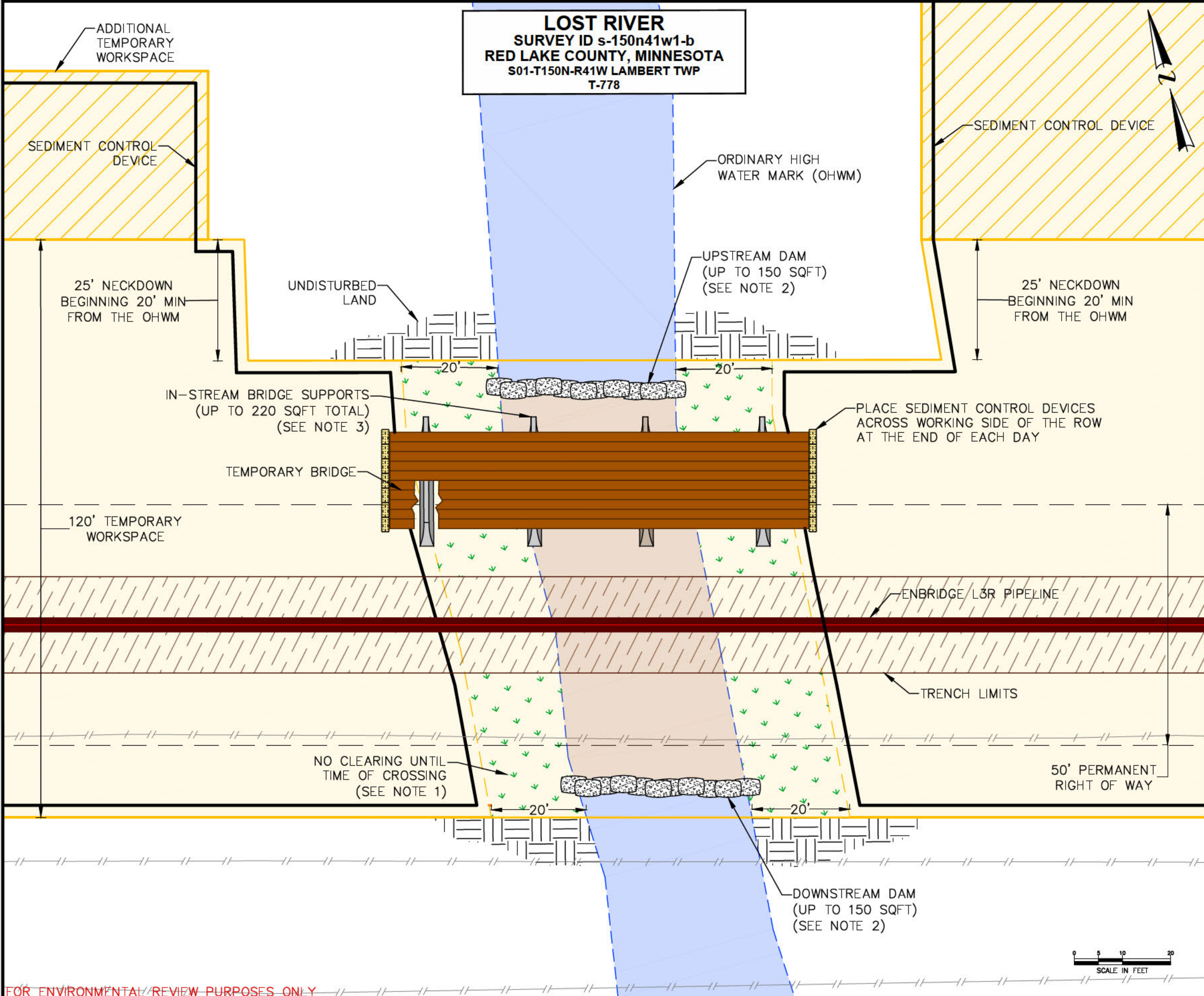
- Milepost
- Proposed L3R Centerline
- Existing Utility
- Permanent Right-of-Way
- Construction Right-of-Way/ATWS
- Bridge
- PWI Watercourse
- Field Delineated Waterbody
- Delineated Wetland
 - PEM
 - PFO
 - PSS

Line 3 Replacement Project
Environmental Crossing Plan

ID# 13
Survey No. s-150n41w1-b
Lost River
RedLake County, Minnesota



For Environmental Review Purposes Only



- GENERAL NOTES:**
1. NO CLEARING UNTIL TIME OF CROSSING. ONLY WOODY VEGETATION MAY BE FLUSH CUT DURING INITIAL CLEARING.
 2. EXACT DAM PLACEMENT TO BE DETERMINED AT TIME OF PIPE INSTALLATION.
 3. PLACEMENT OF BRIDGE SUPPORTS MAY VARY. SUPPORT METHOD (MATS, FLUME PIPE, CONCRETE BLOCK) TO BE DETERMINED AT TIME OF BRIDGE INSTALLATION.
 4. PUMP SIZE AND PLACEMENT TO BE DETERMINED AT TIME OF PIPE INSTALLATION BASED ON FLOW AND SITE CONDITIONS.
 5. PUMPS WILL BE PLACED IN SECONDARY CONTAINMENTS, AND BACK UP PUMPS WILL BE ON SITE.

- LEGEND**
- PROPOSED ENBRIDGE L3R PIPELINE
 - OTHER PIPELINE
 - PERMANENT RIGHT OF WAY
 - TEMPORARY WORKSPACE
 - ORDINARY HIGH WATER MARK
 - ADDITIONAL TEMPORARY WORKSPACE
 - TRENCH
 - SAND BAGS (OR SIMILAR)
 - HAY BALES (OR SIMILAR)

A	ISSUED FOR PERMIT APPLICATION	AJJ	07/2018	JMH
NO.	REVISION-DESCRIPTION	BY	DATE	CHK'D APP'D

ENBRIDGE L3R PIPELINE
DAM & PUMP DRY CROSSING
CROSSING OF LOST RIVER
ENBRIDGE MP 885.8
RED LAKE COUNTY, MINNESOTA

SCALE NOTED

DWG. NO.
B-93-5.84-MDNR-13-REVP-A