

MINNESOTA DEPARTMENT OF TRANSPORTATION

THE COUNTY OF REDWOOD

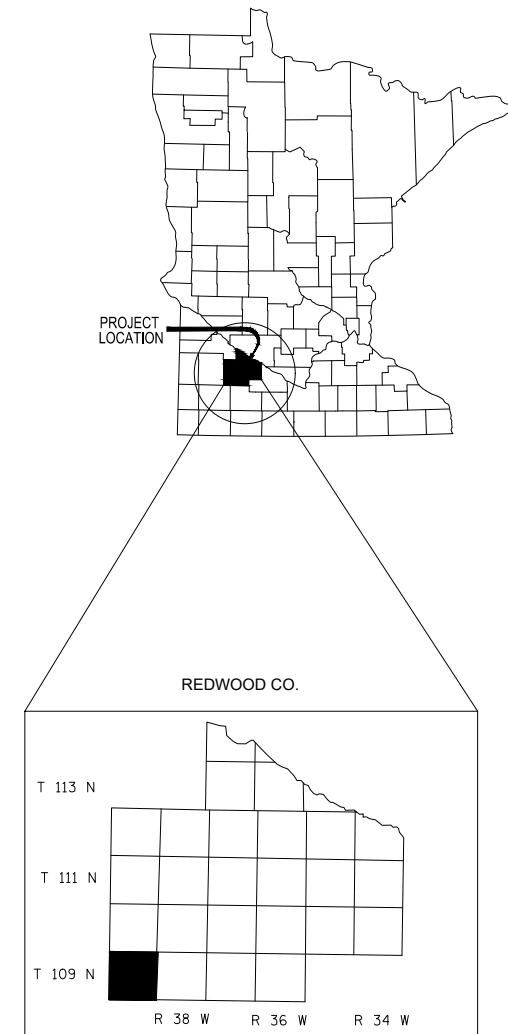
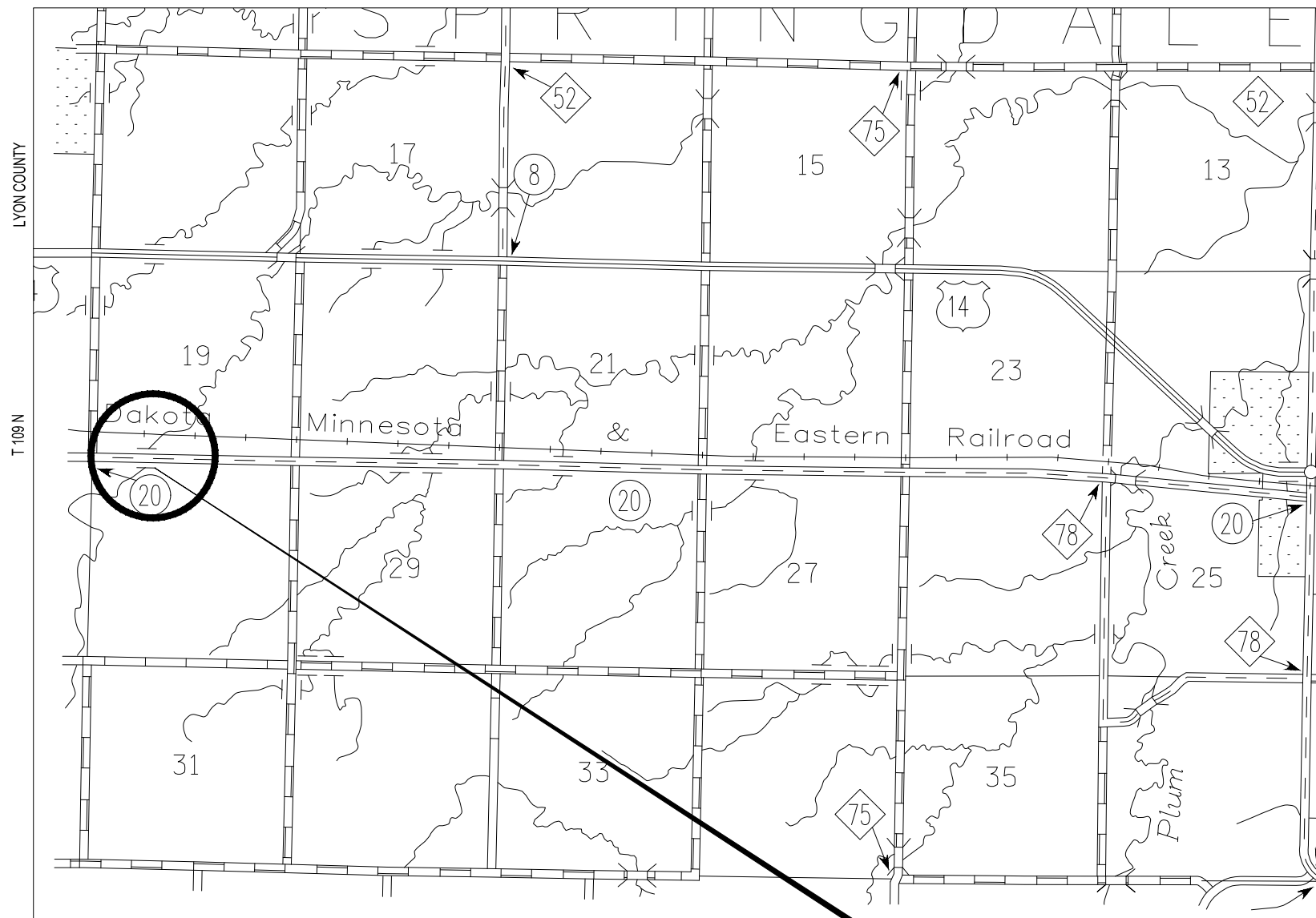
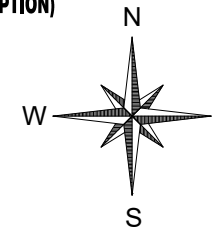
CONSTRUCTION PLAN FOR REPLACE CULVERT OVER UNNAMED STREAM (BR. 1195 OLD) (RC CULVERT CONTROL STRUCTURE NEW) APPROACH GRADING AND BITUMINOUS SURFACING

LOCATED ON CSAH 20 BETWEEN LYON COUNTY AND CO. RD. 78 1.6 MILES SOUTHEAST OF TRACY, MN (GEOGRAPHIC DESCRIPTION)

FROM 850 FEET EAST OF THE NORTHWEST CORNER OF SEC. 30, T109N, R39W TO 1,800 FEET EAST OF THE NORTHWEST CORNER OF SEC. 30, T109N, R39W (LEGAL DESCRIPTION)

STATE PROJ. NO. 064-620-011
 GROSS LENGTH 950.00 FEET 0.180 MILES
 BRIDGES-LENGTH 0.00 FEET 0.000 MILES
 EXCEPTIONS-LENGTH 0.00 FEET 0.000 MILES
 NET LENGTH 950.00 FEET 0.180 MILES

R 39 W



PARTIAL MAP REDWOOD COUNTY

PROJECT LOCATION

BEGIN S.P. NO. 064-620-011
 STA. 10+00.00
 REF. PT. 000+00.161

REMOVE EXISTING BRIDGE 1195
 CONSTRUCT PROPOSED RC CULVERT CONTROL STRUCTURE

END S.P. NO. 064-620-011
 STA. 19+50.00
 REF. PT. 000+00.341

NOTE:
 THIS CONSTRUCTION PLAN IS ALSO AN EROSION AND SEDIMENT CONTROL PLAN.

MINN. PROJ. NO. PRO 6425(323)

GOVERNING SPECIFICATIONS

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

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST MMUTCD, INCLUDING THE LATEST "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS".

| SHEET NO. | INDEX DESCRIPTION |
|-----------|-----------------------------------|
| 1 | TITLE SHEET |
| 2 | LEGEND |
| 3 | ESTIMATED QUANTITIES |
| 4 - 5 | CONSTRUCTION NOTES & TABULATIONS |
| 6 | CSAH 20 TYPICAL SECTION |
| 7 | FENCE & GRATE DETAILS |
| 8 - 9 | TRAFFIC DETOUR AND CONTROL PLAN |
| 10 | CSAH 20 REMOVALS |
| 11 | CSAH 20 PLAN & PROFILE |
| 12 | CSAH 20 BORROW LOCATION |
| 13 - 16 | CULVERT-CONTROL STRUCTURE DETAILS |
| 17 | DRAIN DIAPHRAGM DETAILS |
| 18 | PREFORMED SCOUR HOLE DETAILS |
| 19 - 20 | SWPPP NARRATIVE |
| 21 | EROSION CONTROL PLAN |
| 22 - 33 | EROSION CONTROL DETAILS |
| X1 - X6 | CSAH 20 CROSS SECTIONS |

THIS PLAN CONTAINS 39 SHEETS DESIGN DESIGNATION

ESALS 169,000

R Value 10

ADT (2025) = 510

Proj. ADT (2045) = 561

Proj. HCADT (NA) = NA

Soil Factor 100

10 Ton Design

Shoulder Width 6.0'

Functional Classification RURAL MAJOR COLLECTOR

No. of Traffic Lanes 2-12.0' No. of Parking Lanes

Design Speed 55 MPH

Based on Stopping Sight Distance

Height of eye 3.5' Height of object 2.0'

Design Speed not achieved at:

STA. TO STA. MPH

STA. TO STA. MPH

SIGNATURE: Andrew J. Muer ANDREW J. MUER

DESIGN ENGINEER: 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.

DATE 06/18/2025 LICENSE NUMBER 59945

Anthony Sellner DATE 7/24/2025
 APPROVED: COUNTY ENGINEER

DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE-AID AND/OR FEDERAL AID RULES/POLICY

STATE AID ENGINEER: APPROVED FOR STATE AID AND/OR FEDERAL AID FUNDING

PLAN AS SHOWN
 PROFILE AS SHOWN
 INDEX MAP 2000'

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-22, ENTITLED "STANDARD GUIDELINE FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES."