

MINNESOTA DEPARTMENT OF TRANSPORTATION  
HENNEPIN COUNTY TRANSPORTATION DEPARTMENT

CONSTRUCTION PLAN FOR: CULVERT REPLACEMENT, GUARDRAIL, GRADING, ROAD RECONSTRUCTION, AND STABILIZATION

CSAH 12 CULVERT REPLACEMENT AND RAVINE STABILIZATION  
CITY OF DAYTON

FROM: APPROXIMATELY 2500' NORTHWEST OF LAWDALE LN N TO  
APPROXIMATELY 2850' NORTHWEST OF N DIAMOND LAKE RD (141ST AVE N) IN DAYTON, MN

GROSS LENGTH 16,587.40 FEET 3.142 MILES  
BRIDGE LENGTH 0.00 FEET 0.000 MILES  
EXCEPTION LENGTH 0.00 FEET 0.00 MILES  
NET LENGTH 16,587.40 FEET 3.142 MILES

LENGTH AND DESCRIPTION BASED UPON CSAH 12

BEG. HENNEPIN COUNTY  
PROJECT NO. 2174500  
SAP 027-612-019  
STA. 65+20.20

THIS PLAN AND/OR SPECIFICATION WAS PREPARED SPECIFICALLY FOR THIS PROJECT, AND ANY RE-USE OF DETAILS OR SPECIFICATIONS ON OTHER PROJECTS IS NOT INTENDED OR AUTHORIZED BY THE DESIGNER. LIABILITY FOR ANY RE-USE ON OTHER PROJECTS IS THE RESPONSIBILITY OF THE PERSON, AGENCY, OR CORPORATION USING PLAN OR SPECIFICATION DATA FROM THIS PROJECT.

END HENNEPIN COUNTY  
PROJECT NO. 2174500  
SAP 027-612-019  
STA. 231+07.60

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO GUIDELINES OF C/ASCE 38-02 ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

DESIGN DESIGNATION FOR:		CSAH 12
R-VALUE		20
ADT (Opening Year) 2019 =		3,100
ADT (Future Year) 2040 =		4,300
PAVEMENT DESIGN		10 TON
FUNCTIONAL CLASSIFICATION		MINOR CONNECTOR
NO. OF TRAFFIC LANES		2
NO. OF PARKING LANES		0
ESALS (20)		1,200,000
Posted Speed		50 MPH
Based on Sight Distance		STOPPING
Height of eye / Height of Object		3.5' / 2.0'
Design Speed not achieved at:		NA

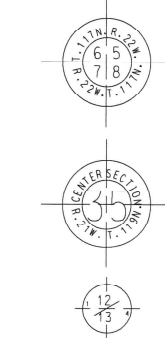
PLAN	1" = 50'
PROFILE	1" = 100' Horz. 1" = 10' Vert.
DRAIN PROFILE	1" = 100' Horz. 1" = 10' Vert.
INDEX MAP	1" = 5000'
GENERAL LAYOUT	1" = 1000'

PROJECT LOCATION  
HENNEPIN COUNTY  
MnDOT METRO DISTRICT

SCALES

PLAN SYMBOLS	
COUNTY LINE	---
SECTION LINE	---
QUARTER 1 LINE	---
SIXTEENTH LINE	---
NEW RIGHT OF WAY LINE	---
PRESENT RIGHT OF WAY LINE	---
PROPERTY LINE (EXCEPT LAND LINES)	---
VACATED PLATTED PROPERTY	---
CORPORATE OR CITY LIMITS	---
TRUNK HIGHWAY CENTER LINE	---
RETAINING WALL	---
RAILROAD	---
WATER LINE	---
MEANDER CORNER	---
DRAINAGE DITCH	---
DRAIN TILE	---
CULVERT	---
GUARD RAIL	---
BARBED WIRE FENCE	---
CHAIN LINK FENCE	---
STONE WALL OR FENCE	---
HEDGE	---
RAILROAD CROSSING SIGN	---
MARSH	---
WOODS	---
CATCH BASIN	---
FIRE HYDRANT	---
OVERPASS (HIGHWAY OVER)	---
UNDERPASS (HIGHWAY UNDER)	---
BRIDGE	---
BUILDING	---
IRON PIPE OR ROD	---
MONUMENT (STONE, CONCRETE OR METAL)	---
SMALL SIGN	---
SLOPE EASEMENT	---
LIGHTING EASEMENT	---
PERMANENT EASEMENT	---
DRAINAGE EASEMENT	---
UTILITY SYMBOLS	
POWER POLE	---
TELEPHONE POLE	---
ANCHOR	---
STEEL TOWER	---
STREET LIGHT	---
TELEVISION CABLE RISER	---
WATER MAIN	---
TELEPHONE CABLE IN DUCKBANK	---
ELECTRIC CABLE IN CONDUIT	---
TELEPHONE MANHOLE / VAULT	---
ELECTRIC MANHOLE	---
BURIED TELEPHONE CABLE	---
BURIED ELECTRIC CABLE	---
STORM SEWER	---
SEWER MANHOLE	---
SANITARY SEWER	---
GAS MAIN	---
TELEVISION CABLE	---
FIBER OPTIC CABLE	---

SECTION SYMBOLS

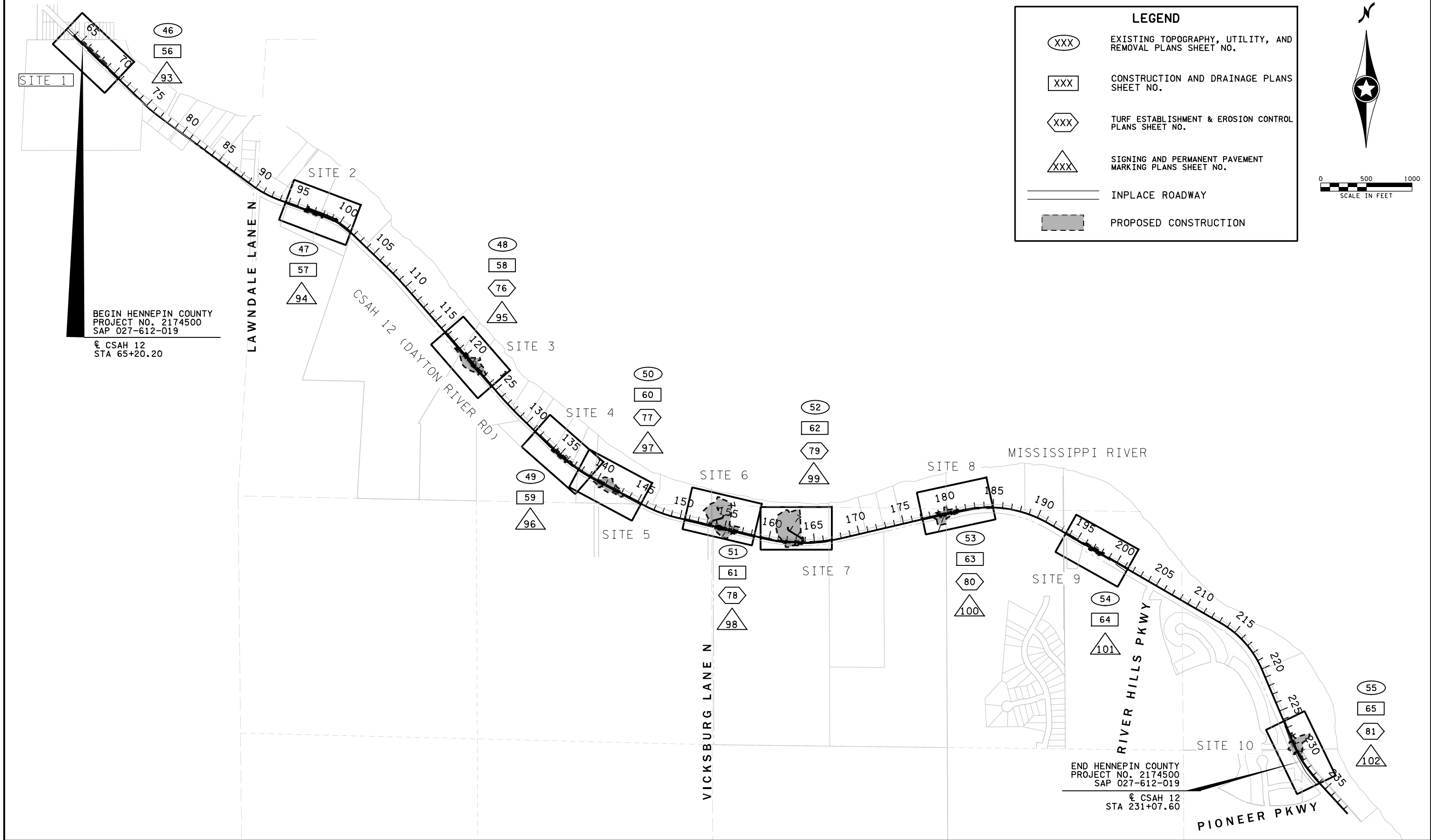




NOTE: SECTION NUMBERS READ FROM THE SOUTH

GOVERNING SPECIFICATIONS  
THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "SUPPLEMENTAL SPECIFICATIONS" DATED SEPTEMBER 2022 SHALL GOVERN.  
ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE INSTALLED IN ACCORDANCE TO THE LATEST EDITION OF THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD) INCLUDING THE LATEST "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS".

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL LAYOUT
3-5	STATEMENT OF ESTIMATED QUANTITIES
6	CONSTRUCTION AND SOILS NOTES
7-8	STANDARD PLATES, EARTHWORK SUMMARY, AND TABULATIONS
9-11	INPLACE UTILITY TABULATIONS
12-14	MISCELLANEOUS DETAILS
15-31	STANDARD PLANS
32-39	TYPICAL SECTIONS
40-42	ALIGNMENT PLAN AND TABULATIONS
43-45	DETOUR PLANS
46-55	EXISTING TOPOGRAPHY, UTILITY, AND REMOVAL PLANS
56-65	CONSTRUCTION AND DRAINAGE PLANS
66	ACCESS ROAD PROFILES
67-75	DRAINAGE PROFILES, TABULATIONS, AND DETAILS
76-81	TURF ESTABLISHMENT & EROSION CONTROL PLANS
82-85	STORM WATER POLLUTION PREVENTION PLAN
86-102	SIGNING AND PERMANENT PAVEMENT MARKING PLANS
103-108	CONTOUR PLANS
109-122	CROSS SECTIONS

THIS PLAN CONTAINS 122 SHEETS	
APPROVED	11/4/2022
HENNEPIN COUNTY: COUNTY HIGHWAY ENGINEER	
RECOMMENDED FOR APPROVAL	11/4/2022
HENNEPIN COUNTY: DESIGN DIVISION ENGINEER	
APPROVED	11/4/2022
CITY OF DAYTON: CITY ENGINEER	
For	11/10/2022
DISTRICT STATE AID ENGINEER:	
REVIEWED FOR COMPLIANCE WITH STATE AID RULES/POLICY	
For	11/10/2022
APPROVED FOR STATE AID FUNDING:	
STATE AID 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.  <div><div></div><div>LEAH GIFFORD, PROFESSIONAL ENGINEER</div></div> <div><div>52263</div><div>LICENSE NO.</div></div> <div><div>11/04/22</div><div>DATE</div></div>			DESIGN BY: CAD BY: CHECKED BY: LAST REVISION:	J. BIERMAN J. BIERMAN L. GIFFORD _____	GENERAL LAYOUT		SHEET
				CSAH 12 / HENNEPIN COUNTY PROJECT NO. 2174500 SAP 027-612-019		2		
						122		