

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

PROJECT PT 014A(35)28
US HIGHWAY 14A
LAWRENCE COUNTY

SLIDE REPAIR
PCN 0954

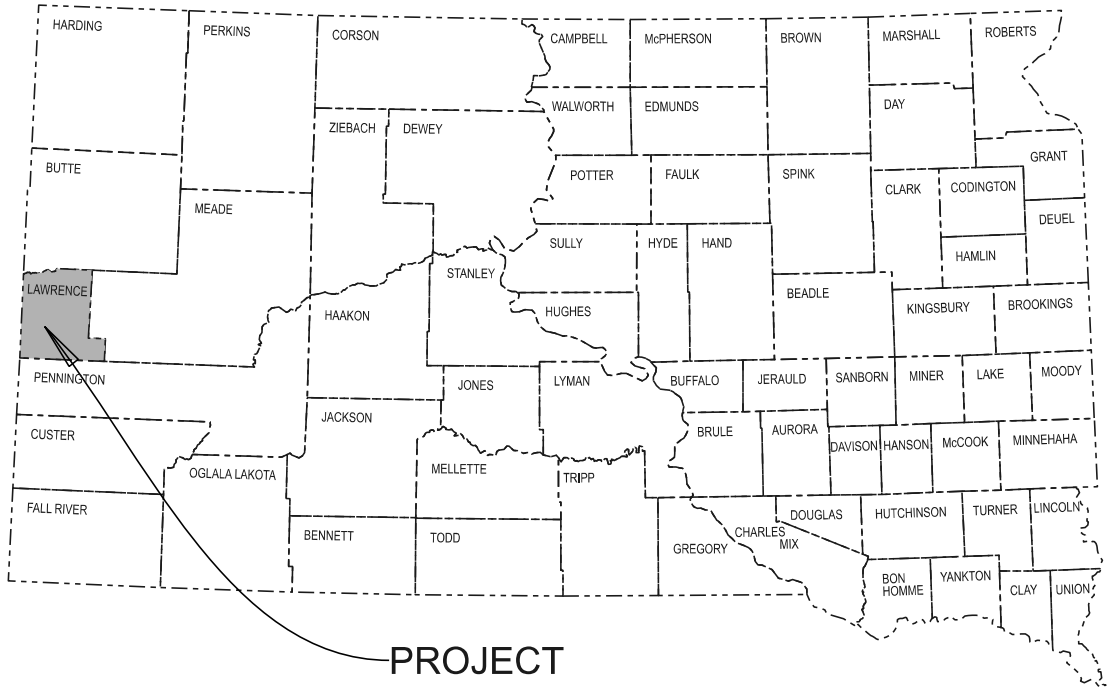


Plotting Date: 4/29/2025

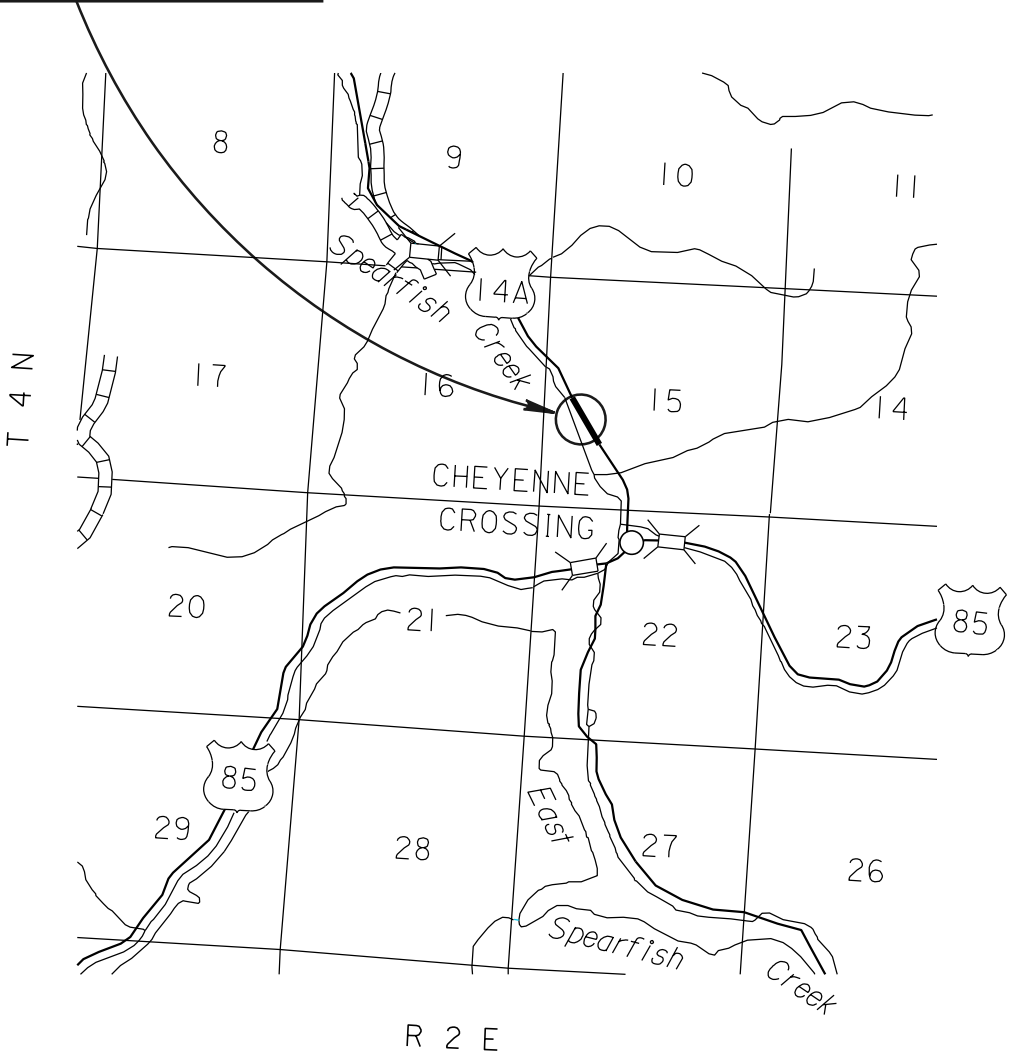
PROJECT	SECTION	SHEET
PT 014A(35)28	Non	1/37

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PROJECT LOCATION
MRM 28+0.500 to MRM 28+0.620



DESIGN DESIGNATION

ADT (2024)	989
ADT (2044)	1433
DHV	235
D	51%
T DHV	1.4%
T ADT	3.1%
V	35 MPH

STORM WATER PERMIT

Major Receiving
Body of Water: Spearfish Creek
Area Disturbed: 1.0 Acre
Total Project Area: 1.5 Acre
Approx. Begin Lat,Long: 44.30489, -103.87128

TYPICAL GRADING SECTION

US 14A
Sta. 2+50 to 5+75

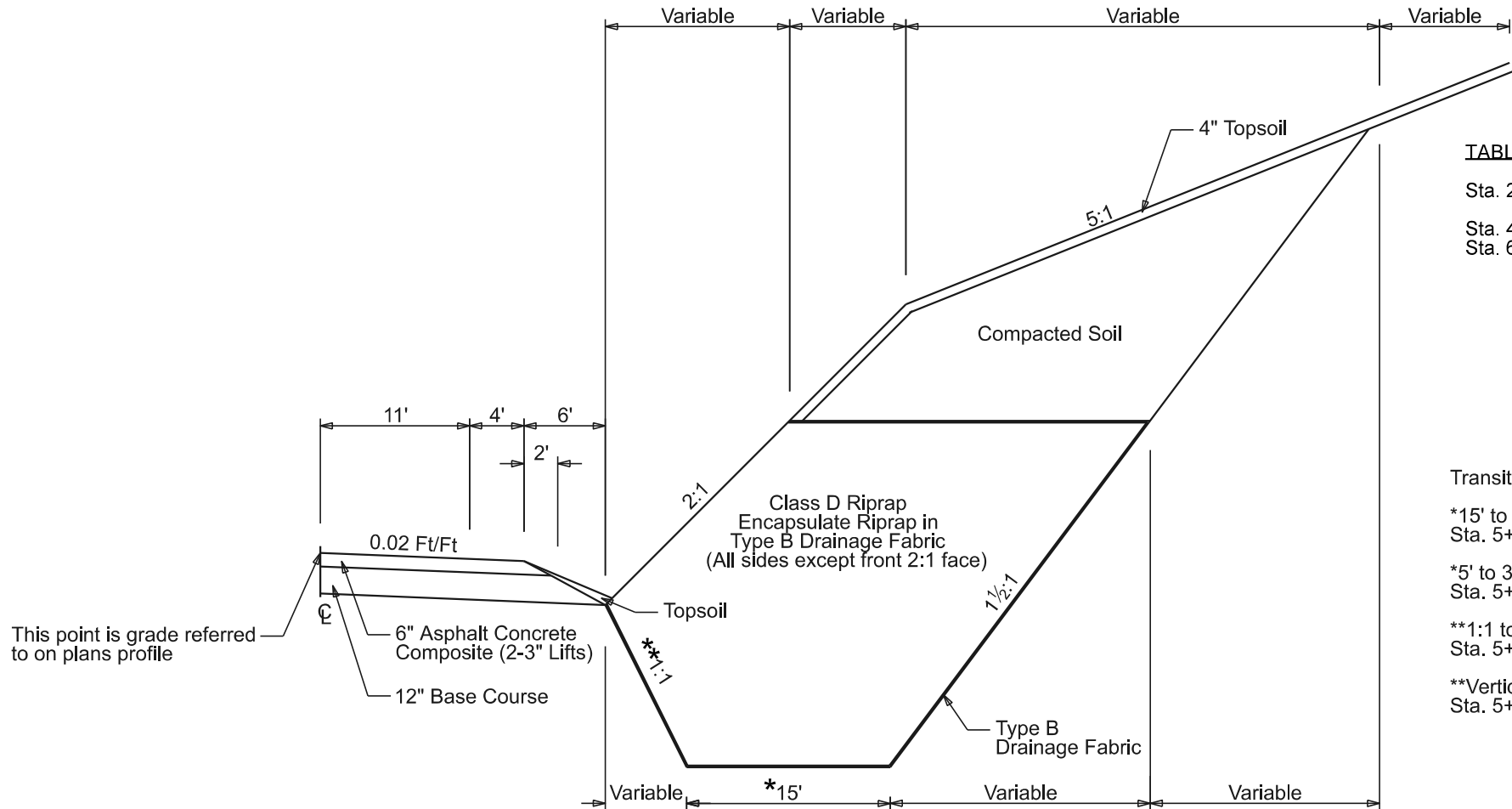


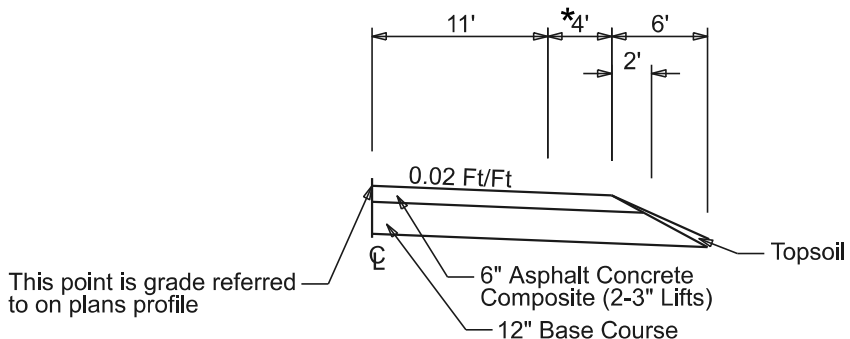
TABLE OF SUPERELEVATION

Sta. 2+50	- Normal Crown Point of Rotation 0' R
Sta. 4+90 to 6+25	- Superelevation Transition
Sta. 6+25	- 0.025 Superelevation Rate (Match Existing) Point of Rotation 0' R

Transitions:

- *15' to 5'
Sta. 5+25 to 5+50
- *5' to 3'
Sta. 5+50 to 5+75
- **1:1 to Vertical
Sta. 5+25 to 5+46
- **Vertical to 1:1
Sta. 5+46 to 5+75

US 14A
Sta. 5+75 to 6+25



Transitions:

- *4' to 0'
Sta. 5+75 to 6+25

HORIZONTAL ALIGNMENT AND CONTROL DATA

Type	Station			Northing	Easting
POB	0+00.000			195755.408	955644.595
		TL= 242.043	N34°56'53"W		
PC	2+42.043			195953.803	955505.945
PI	3+75.297	R = 1060.829	Delta = 14°19'09" R	196063.028	955429.612
PT	5+07.162			196187.738	955382.665
		TL= 8.216	N20°37'44"W		
PC	5+15.378			196195.427	955379.770
PI	5+75.825	R = 701.577	Delta = 09°50'55" L	196251.998	955358.474
PT	6+35.973			196304.092	955327.816
		TL= 94.458	N30°28'39"W		
PC	7+30.431			196385.499	955279.907
PI	7+82.846	R = 1978.995	Delta = 03°02'03" R	196430.671	955253.322
PT	8+35.235			196477.187	955229.166
		TL= 114.912	N27°26'36"W		
POE	9+50.147			196579.168	955176.207

Control Data				
POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION
14A 29.13	REFMRK – SDDOT REBAR AND CP CAP	193600.913	956482.036	5329.200
14A 27.53	REFMRK - SDDOT REBAR AND CP CAP	200308.113	951808.947	5222.980
14A 25.53	REFMRK - SDDOT REBAR AND CP CAP	207809.274	945886.053	5060.979
14A 23.73	REFMRK - SDDOT REBAR AND CP CAP	214458.369	940486.248	4986.039

The coordinates shown on this sheet are based on the South Dakota State Plane Coordinate System. North Zone (NAD 83/2011); epoch 2010; Geoid 12A; SF = 0.99991471. The elevations shown on this sheet are based on NAVD 88.

