

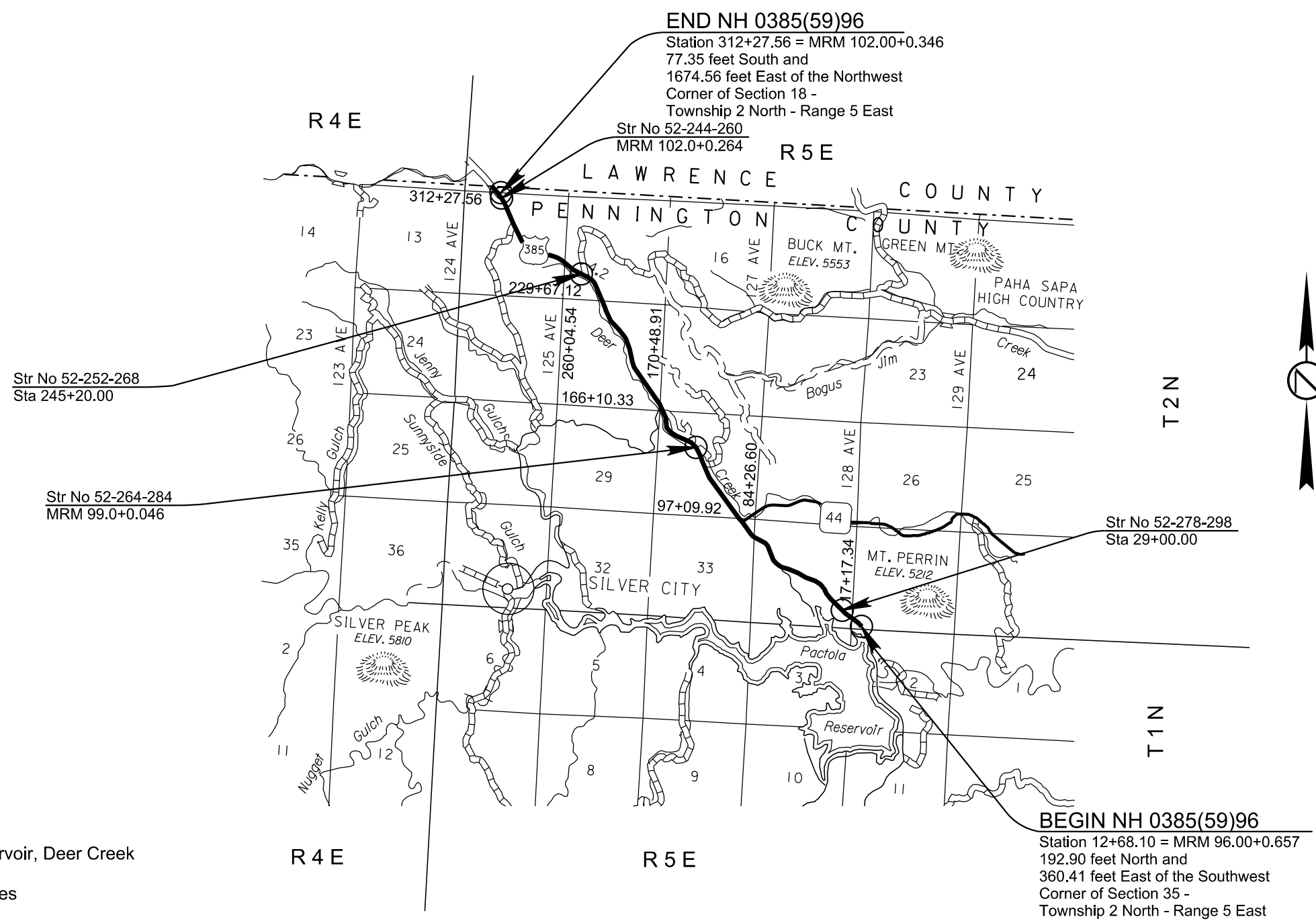
STATE OF SOUTH DAKOTA	PROJECT NH 0385(59)96	SHEET M1	TOTAL SHEETS M9
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Plotting Date: 03/04/2024

Section M: Pavement Marking Plans

INDEX OF SHEETS

M1: Title sheet
M2: Estimate of Quantities & Notes
M3-M9: Pavement Marking Layouts



DESIGN DESIGNATION

ADT (2022)	1994
ADT (2042)	3145
DHV	515
D	51%
T DHV	1.6%
T ADT	3.6%
V	55 MPH

STORM WATER PERMIT

(None Required)

Major Receiving
Body of Water: Pactola Reservoir, Deer Creek
Area Disturbed: 124.9 Acres
Total Project Area: 138.8 Acres
Latitude: 44.0826
Longitude: -103.4932

GROSS LENGTH	29959.46 FEET	5.674 MILES
LENGTH OF EXCEPTIONS	0 FEET	0 MILES
NET LENGTH	29959.46 FEET	5.674 MILES

PLOT SCALE - 1:7920

PLOTTED FROM - TRRC1221

PLOT NAME - 1

FILE - ... \SECTION M\0694_TITLEM.DGN

SECTION M ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E1200	High Build Waterborne Pavement Marking Paint, White	275	Gal
633E1205	High Build Waterborne Pavement Marking Paint, Yellow	296	Gal
633E1272	High Build Waterborne Pavement Marking Paint, Arrow	12	Each
633E1286	High Build Waterborne Pavement Marking Paint, Message	8	Each

0694 SECTION M PAINT INSTALLATION

Pavement marking paint installation for this project will exactly match all paint installed on PCN 03BD Section M, with the addition of STA 310+00 to 318+50. Temporary pavement marking paint in place at STA 310+00 to 318+50 will not be removed, it will be painted over.

PAVEMENT MARKING PAINT

All No Passing Zones will be reviewed prior to the application of any new centerline markings. The Contractor will advise the Engineer a minimum of 3 weeks prior to the application of permanent pavement markings to allow the State to mark the locations of No Pass Zones. State forces will not be available to mark the No Pass Zones from 07-20-24 to 08-14-24.

The application of permanent pavement marking will begin no sooner than 7 calendar days following completion of the fog or flush seal. Application of permanent pavement marking will be completed within 14 calendar days following completion of the final surfacing.

HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT

All materials will be applied as per manufacturer's recommendations. High build waterborne pavement marking paint will conform to the supplemental specifications for Section 980.1 B.

Reflective media will consist of glass beads.

RETROREFLECTIVITY FOR PAVEMENT MARKING PAINT

The Department may take retroreflectivity readings on the pavement marking lines after 2 days and within 30 days of the line application using either a portable or mobile retroreflectometer that conforms to 30-meter geometry. If the Department chooses to take retroreflectivity readings, three retroreflectivity readings will be taken on each line at each test location. The three readings will be averaged and become the reading for that test location.

If the Department chooses to take retroreflectivity readings, three readings will be taken on the edge lines and lane lines in the direction of application. For combination solid yellow and skip yellow lines for turn lanes and for centerline markings on two-way roadways, three readings will be taken in one direction, the reflectometer will be turned 180 degrees and three more readings will be taken. The six readings for the centerline markings will be averaged and become the test reading for that test location.

If the Department chooses to take readings, the minimum retroreflectivity values will be 275 mc/m²/lux for white and 170 mc/m²/lux for yellow.

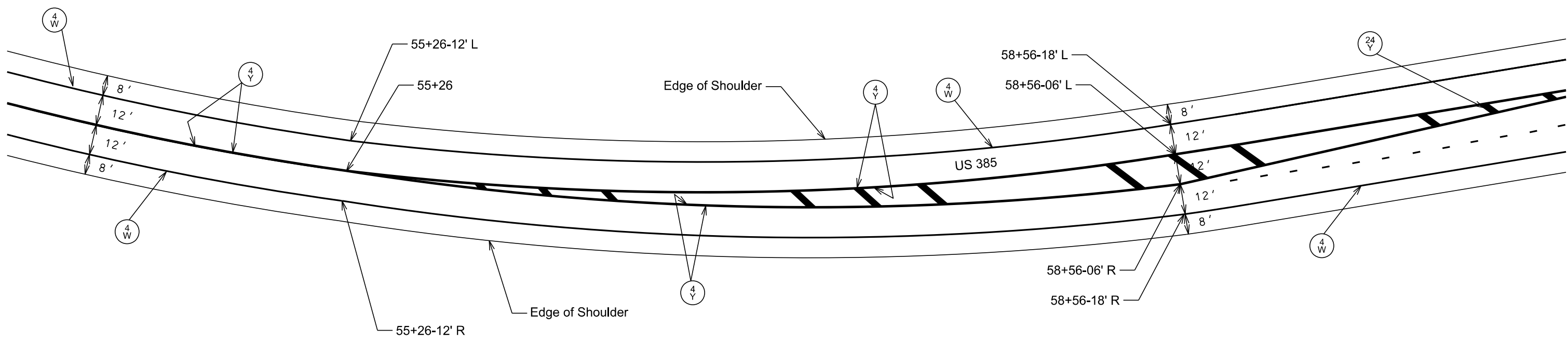
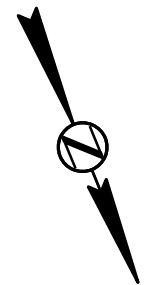
RATES OF MATERIALS FOR HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT

Solid 4" line = 22.5 Gals/Mile
Dashed 4" line = 7.6 Gal/Mile
Glass Beads = 8.0 Lbs/Gal.

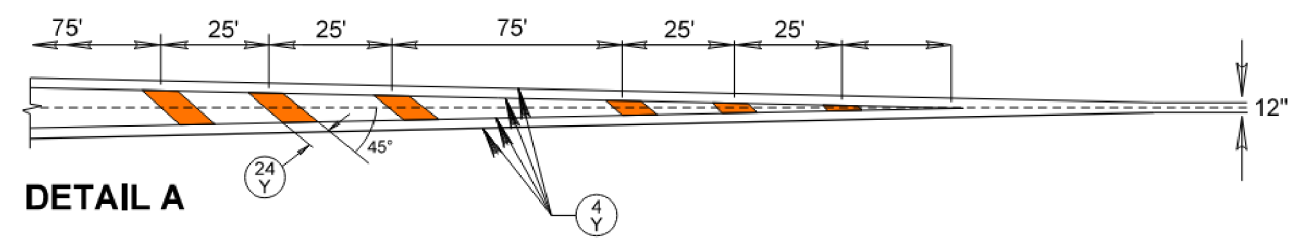
All cost for materials, labor and equipment necessary to furnish and install the pavement markings will be incidental to the contract unit price for the respective High Build Waterborne Pavement Marking Paint items.

PAVEMENT MARKING LAYOUT

US HWY 385



Note: See DETAIL A for taper markings details.



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PLOT NAME - 3

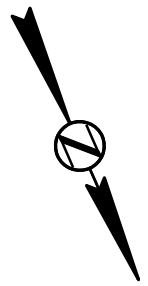
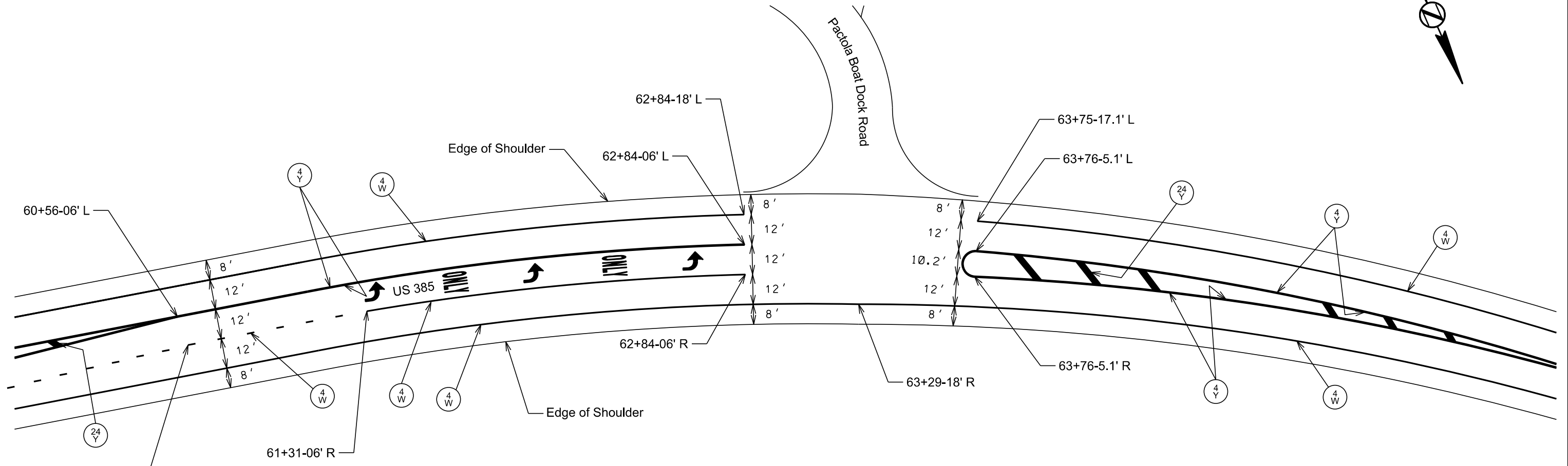
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PAVEMENT MARKING LAYOUT

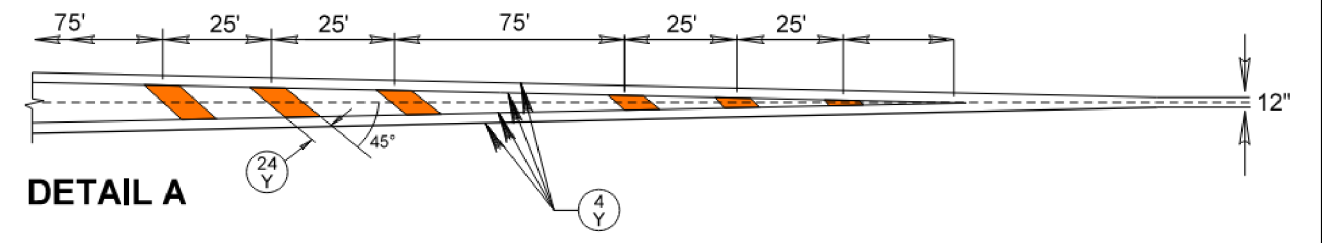
US HWY 385

PLOT SCALE - 1:39,4229

PLOT NAME - 3



Note: See DETAIL A for taper markings details.



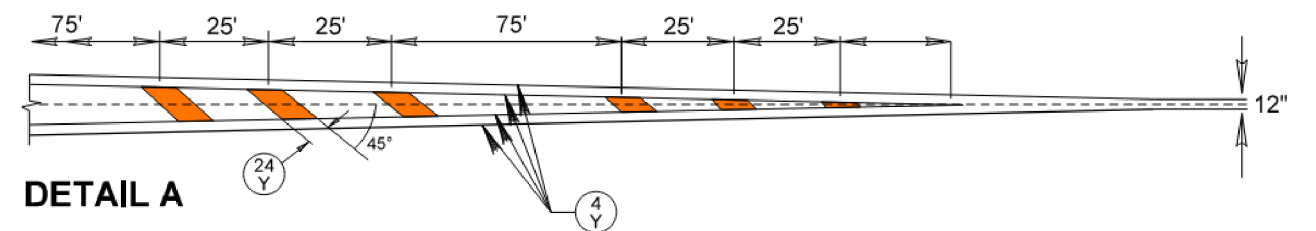
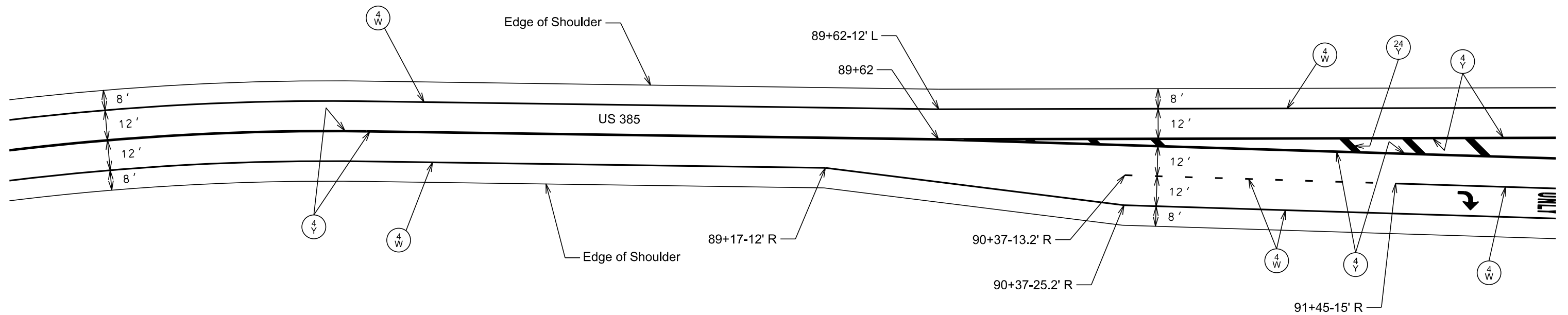
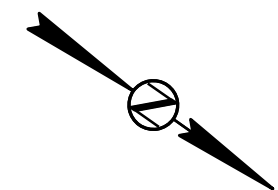
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STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0385(59)96	M5	M9
Plotting Date: 04/08/2024		revised 4-8-24 NW	

PAVEMENT MARKING LAYOUT

US HWY 385



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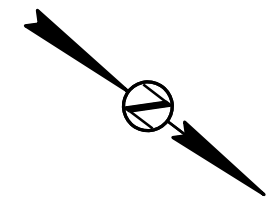
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PLOT NAME - 3

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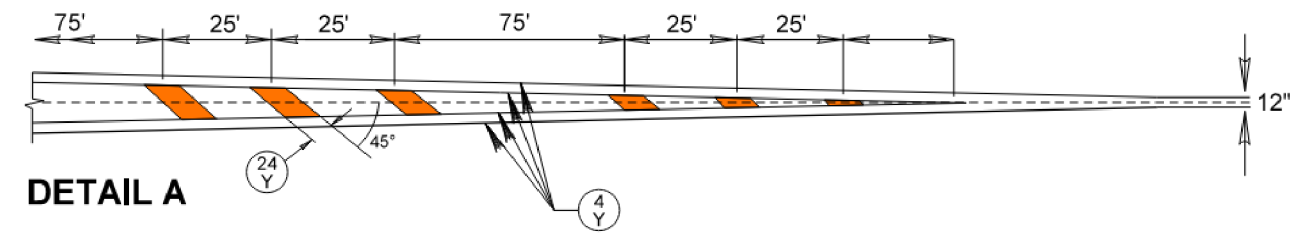
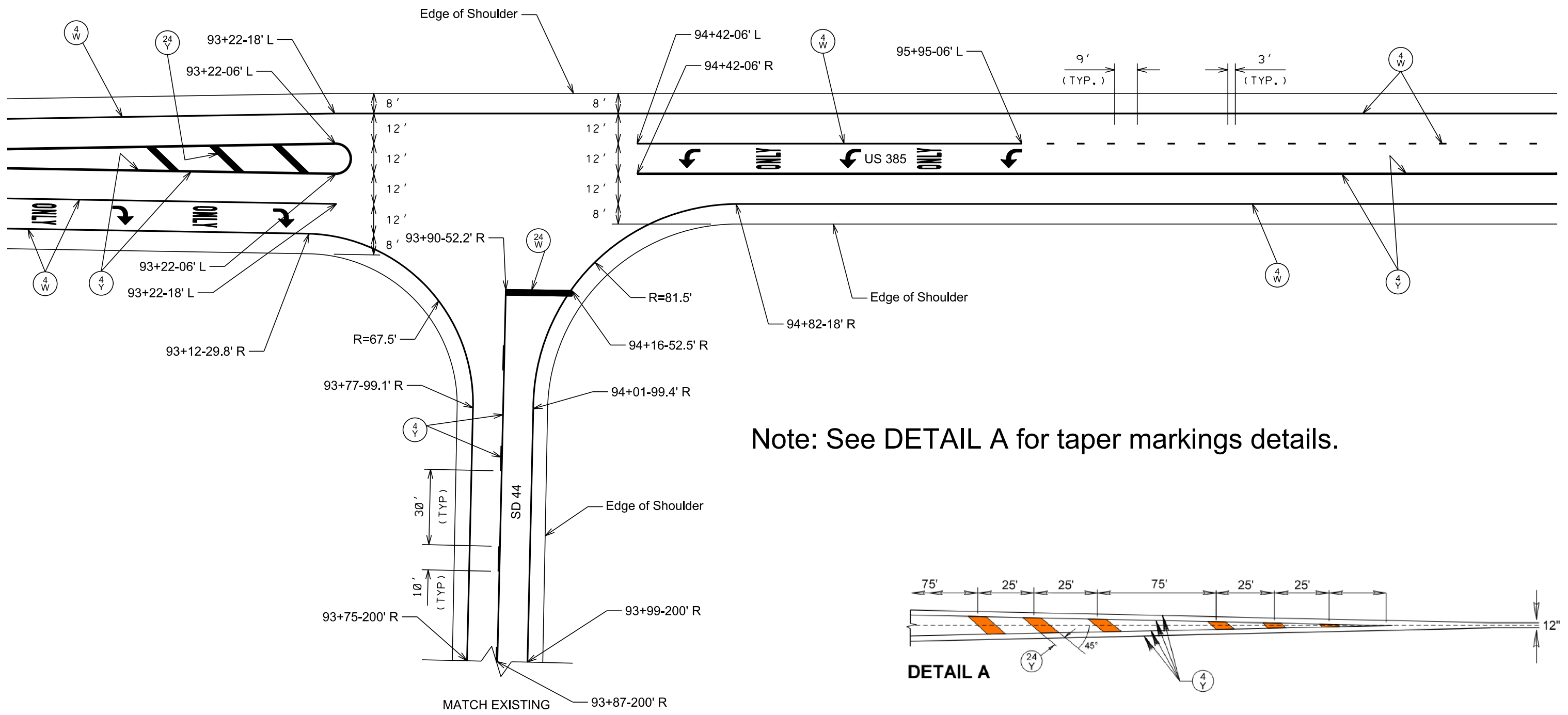
PAVEMENT MARKING LAYOUT

US HWY 385



PLOT SCALE - 1:39,4229

PLOT NAME - 2



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STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0385(59)96	M7	M9
Plotting Date: 04/08/2024		revised 4-8-24 NW	

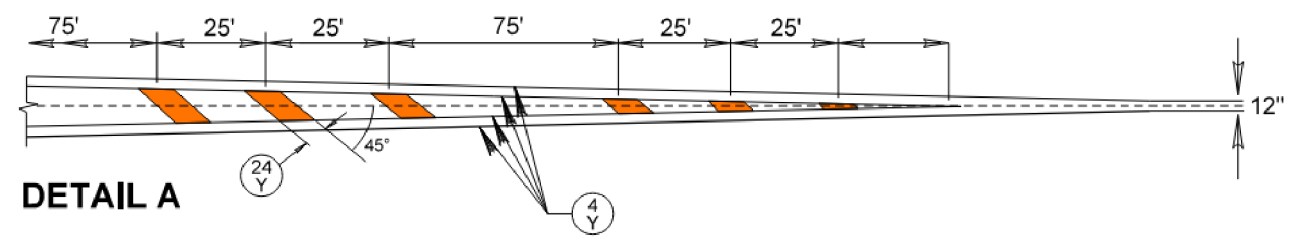
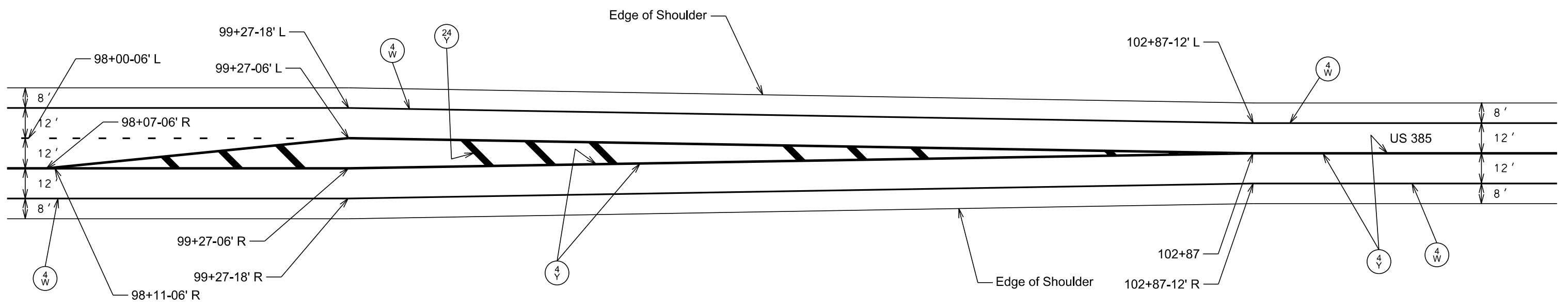
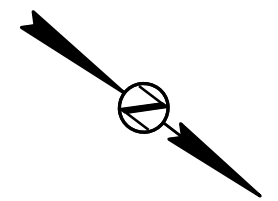
PAVEMENT MARKING LAYOUT

US HWY 385

PLOT SCALE - 1:39,4229

PLOT NAME - 3

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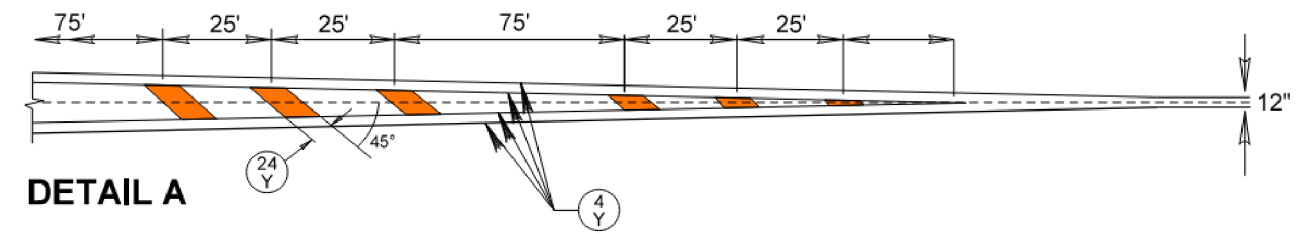
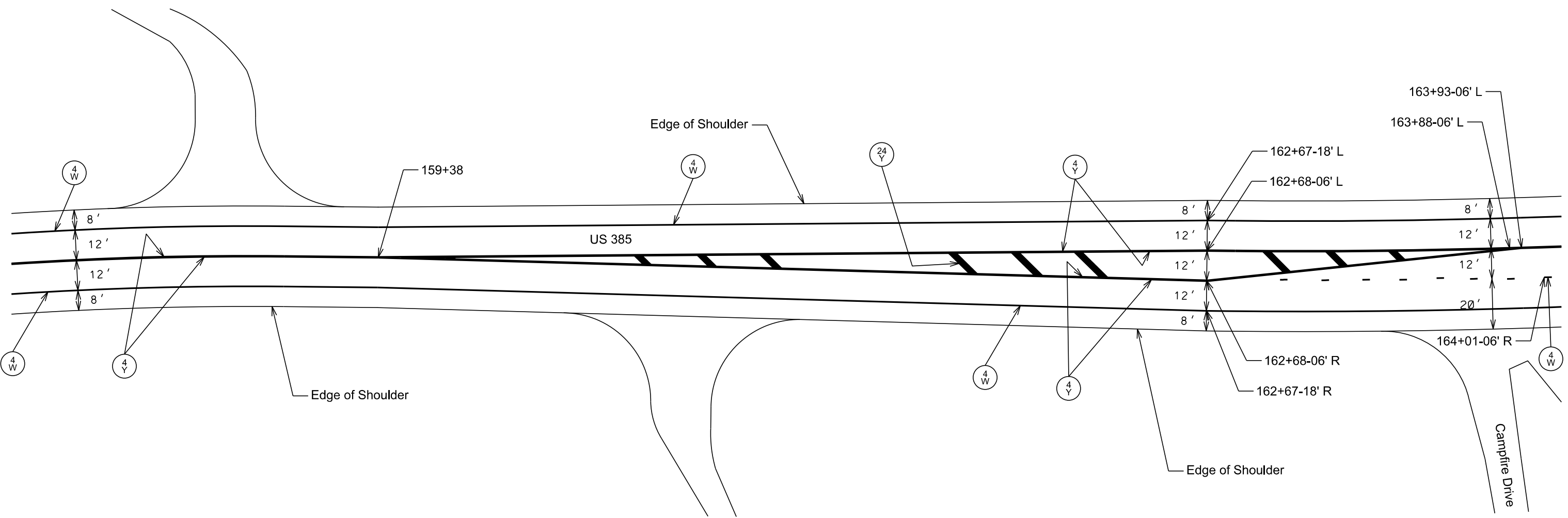
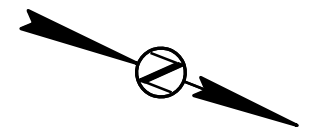


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STATE OF SOUTH DAKOTA	PROJECT NH 0385(59)96	SHEET M8	TOTAL SHEETS M9
Plotting Date: 04/08/2024		revised 4-8-24 NW	

PAVEMENT MARKING LAYOUT

US HWY 385



PLOT SCALE - 1:39.4229

PLOT NAME - 3

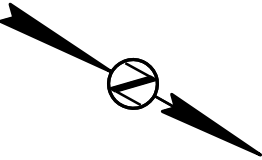
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PAVEMENT MARKING LAYOUT

US HWY 385

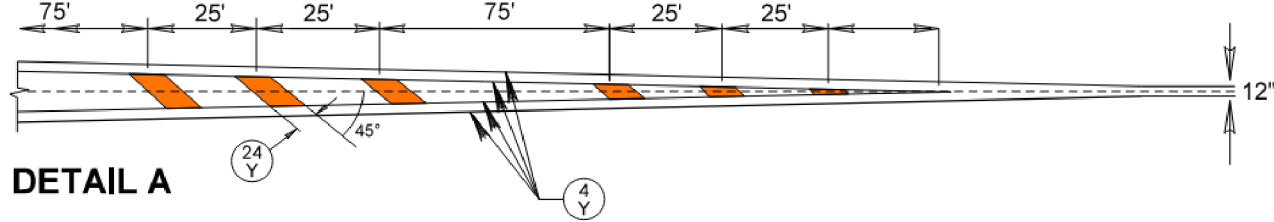
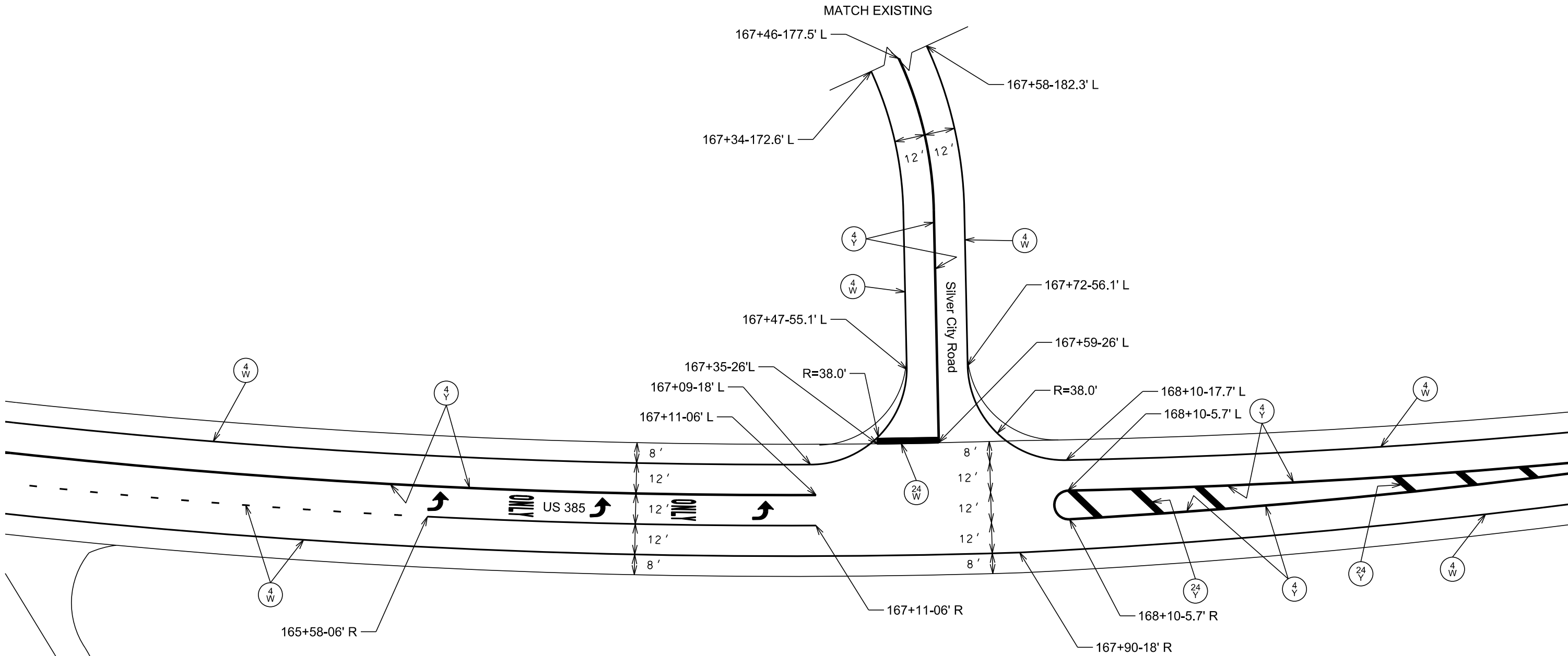
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Plotting Date: 04/08/2024		revised 4-8-24 NW	



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PLOT NAME - 3

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