

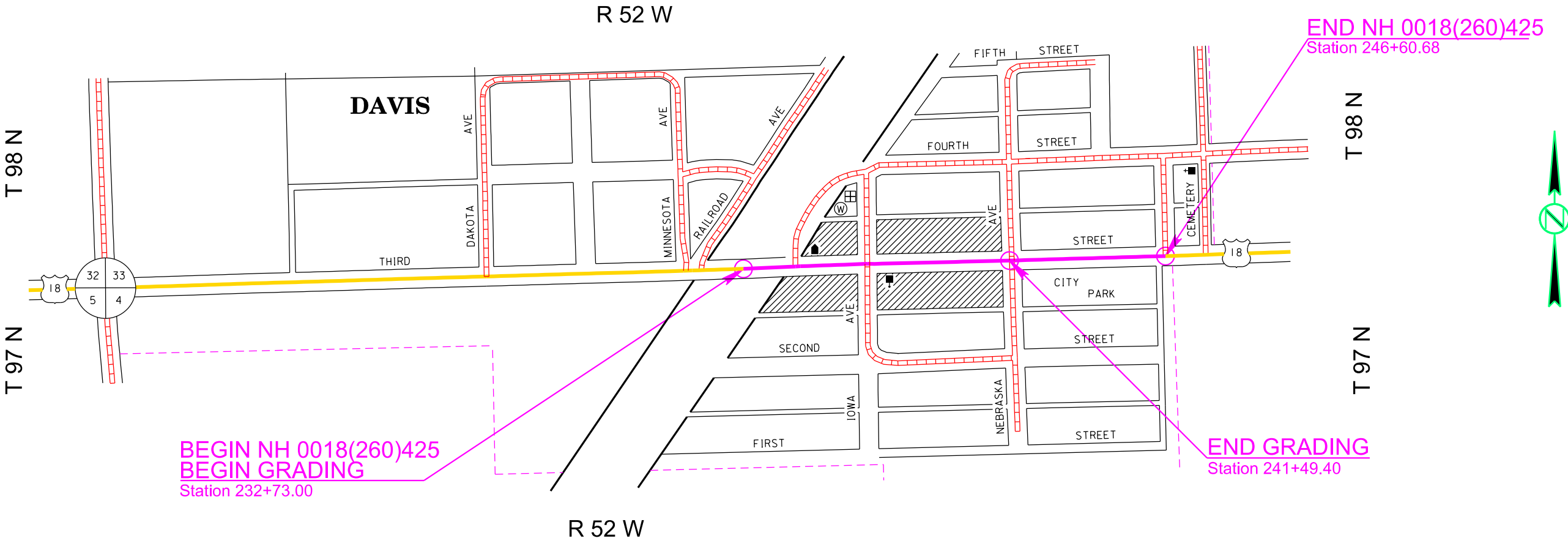
Section F: Surfacing Plans

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0018(260)425	F1	F6

Plotting Date: 04/07/2026

INDEX OF SHEETS

- F1 General Layout with Index
- F2 Estimate of Quantities,
Notes, Rates, and Tables
- F3 - F4 Typical Surfacing Sections
- F5 Pavement Layout
- F6 Standard Plates



1:200
Plot Scale -

Plotted From -
TRPR15123

SECTION F – ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
120E6200	Water for Granular Material	41.2	MGal
260E1010	Base Course	200.0	Ton
260E1030	Base Course, Salvaged	3,229.4	Ton
320E1200	Asphalt Concrete Composite	1,508.8	Ton
380E3020	6" PCC Driveway Pavement	37.9	SqYd

SURFACING THICKNESS DIMENSIONS

The plans shown spread rates will be applied even though the thickness may vary from that shown in the plans.

At those locations where material must be placed to achieve a required elevation, the depth/quantity may be varied to achieve the required elevation.

BASE COURSE, SALVAGED

Base Course, Salvaged will be obtained from the stockpile site(s) provided by the Contractor and may be used without further gradation testing.

All other requirements for Base Course, Salvaged will apply.

ASPHALT CONCRETE COMPOSITE

Asphalt Concrete Composite will include MC-70 asphalt for prime placed at the rate of 0.30 gallons per square yard. The asphalt for prime will be applied to the Base Course, Salvaged for the full width of the bottom layer of Asphalt Concrete Composite. Blotting sand for prime required for maintenance of traffic will be applied at a rate of 10 pounds per square yard.

Asphalt for tack SS-1h or CSS-1h will be applied prior to each lift of Asphalt Concrete Composite. Asphalt for tack will be applied at a rate of 0.09 gallons per square yard on existing pavement or milled asphalt concrete surfaces and at a rate of 0.06 gallons per square yard on primed Base Course, Salvaged or new asphalt concrete pavement. The asphalt for tack will be applied for the full width of the bottom layer of Asphalt Concrete Composite plus one-half foot additional on the outside shoulder or the width of the Asphalt Concrete Composite lift within the curb and gutter.

Asphalt for Flush Seal and Sand for Flush Seal will not be required with the expectancy that the chip seal will be placed the year following the placement of the asphalt.

The asphalt binder used in the mixture will be PG 58H-34 or PG 58V-34 Asphalt Binder.

PERFORMANCE GRADED ASPHALT BINDER

Performance Graded Asphalt Binder will conform to Section 890, AASHTO M 332, and the Combined State Binder Group Method of Acceptance for Asphalt Binders, available from the Department’s Bituminous Engineer.

RATES OF MATERIALS

Rates quantities are included in the Table of Materials Quantities.

The Estimate of Surfacing Quantities is based on the following quantities of materials per station.

Section 4

Sta. 233+46 to 241+49.4

BASE COURSE or BASE COURSE, SALVAGED

Crushed Aggregate or Salvaged Material 357.30 tons.

ASPHALT CONCRETE COMPOSITE – 1st lift 54.28 Tons

ASPHALT CONCRETE COMPOSITE – 2nd lift 40.71 Tons

ASPHALT CONCRETE COMPOSITE – 3rd lift 54.28 Tons

TABLE OF MATERIALS QUANTITIES

LOCATION				WATER FOR GRANULAR MATERIAL	BASE COURSE OR BASE COURSE, SALVAGED	ASPHALT CONCRETE COMPOSITE		
						1st Lift	2nd Lift	Top Lift
						(Ton)	(Ton)	(Ton)
Station to Station				(MGal)	(Ton)			
Mainline								
232 +	73.00 to	233 +	13.00	1.8	149.8	23.2	17.4	23.2
233 +	13.00 to	233 +	46.00	1.4	120.8	18.5	13.9	18.5
233 +	46.00 to	241 +	49.40	34.5	2870.5	436.0	327.1	436.0
Intersecting Road Sta. 236+66 L				0.8	66.7	20.9		
Intersecting Road Sta. 236+66 R				0.9	76.9	24.1		
Gravel drives - 6				1.5	121.8			
Concrete drive - 1				0.3	22.9			
Traffic Control – see Section C						150.0		
Rates Totals				41.2	3429.4	1508.8		

*4” Asphalt for intersecting roads

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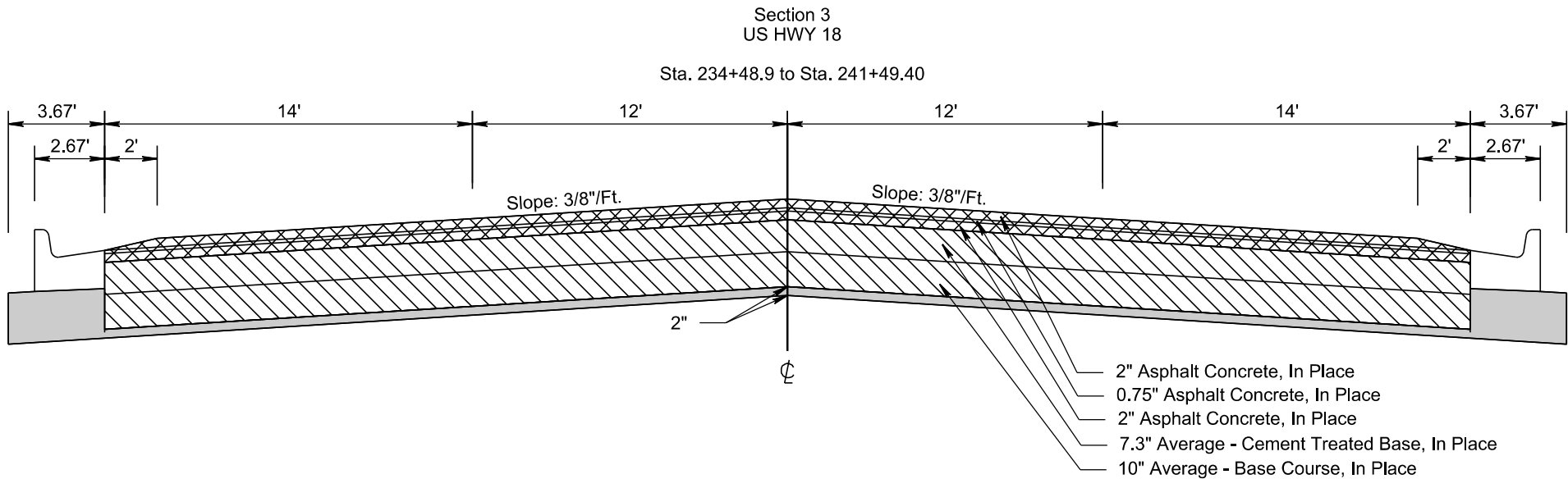
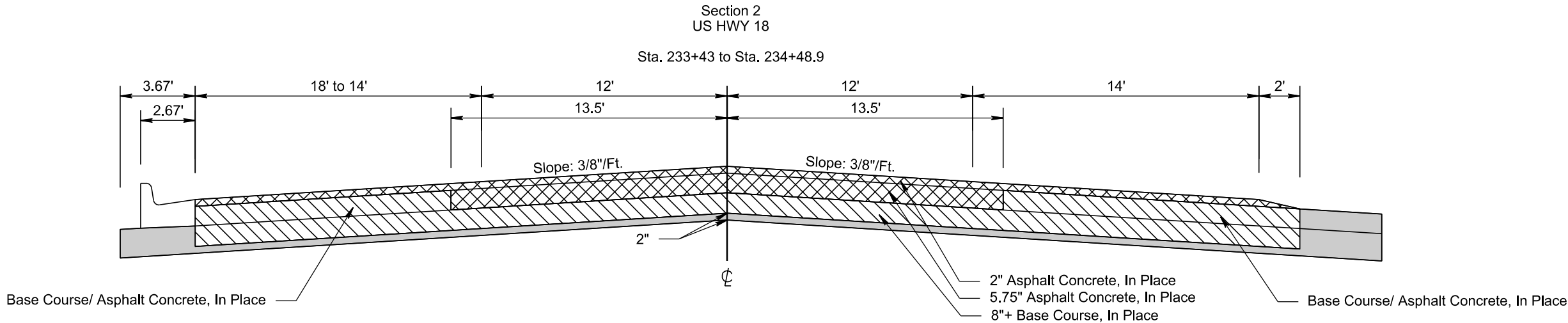
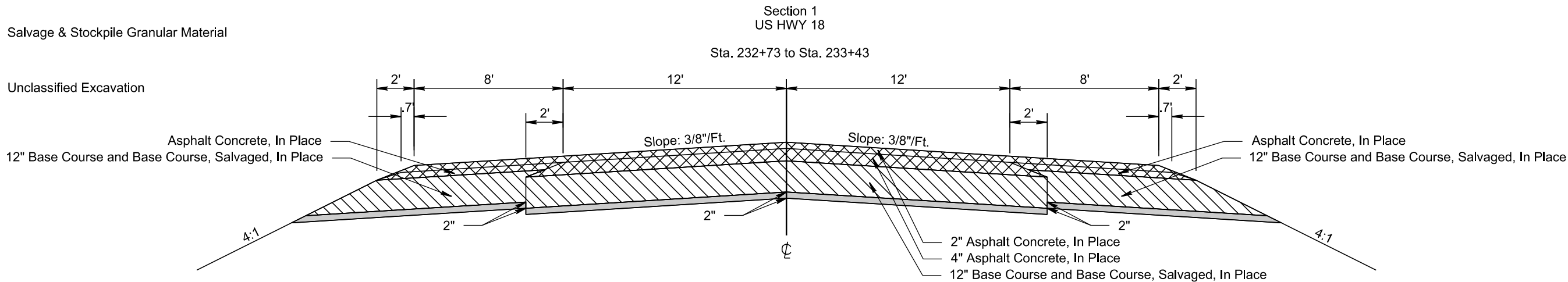
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IN PLACE TYPICAL SECTIONS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0018(260)425	F3	F6

Plotting Date: 04/07/2026

-  Remove Asphalt Concrete Pavement
-  Salvage & Stockpile Granular Material
-  Unclassified Excavation



5969/036A PLOT SCALE - 1+6.00001

5969

5969

5969

5969 PLOTTED FROM - TRPR15123

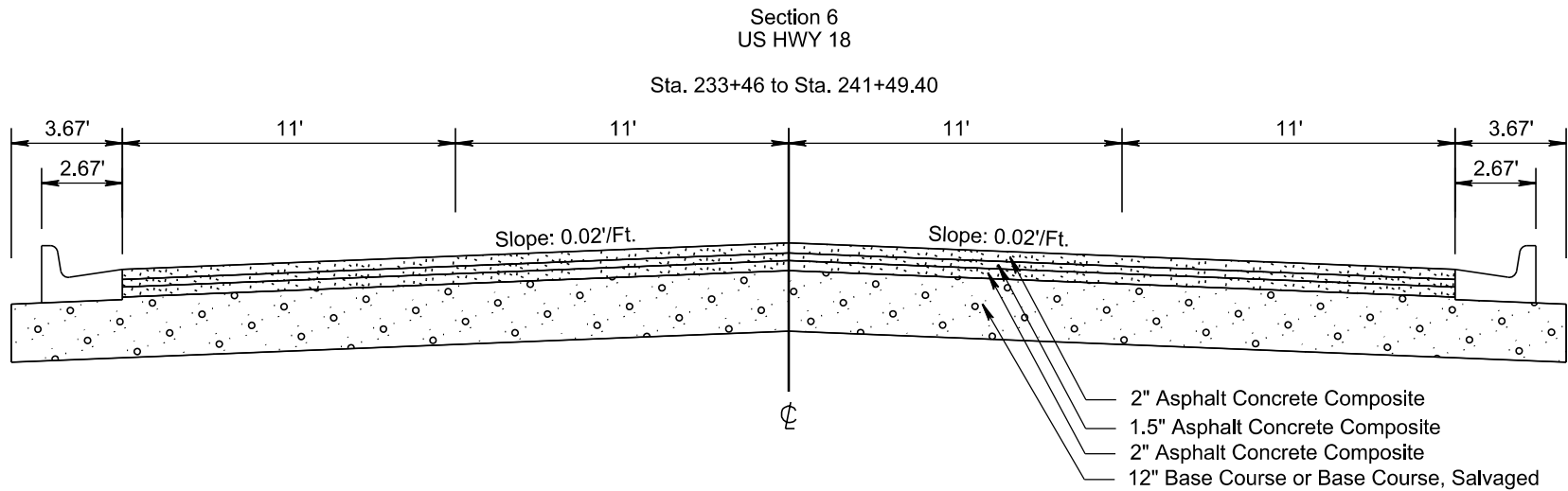
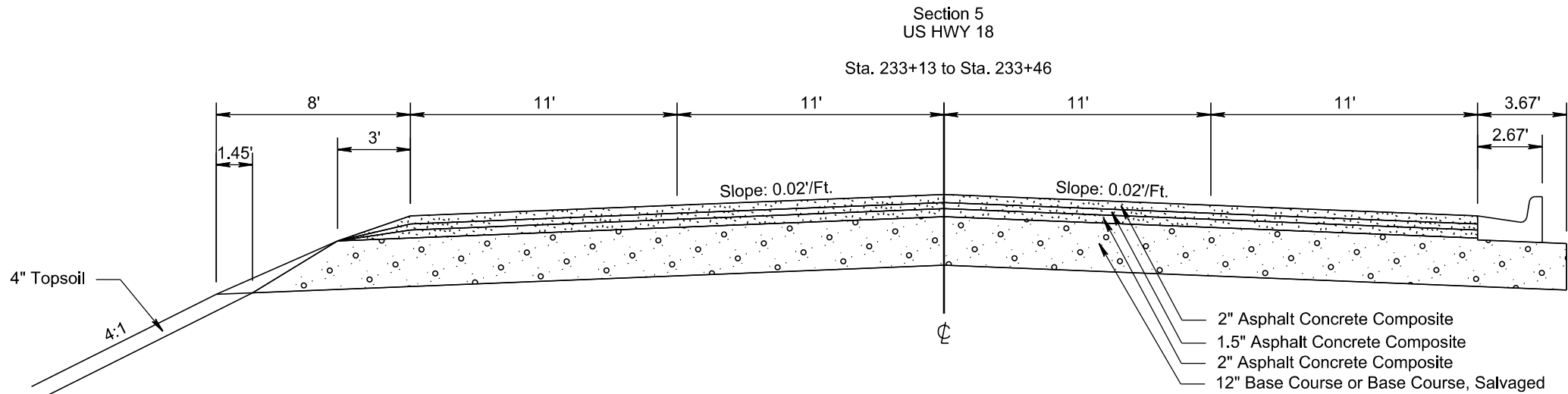
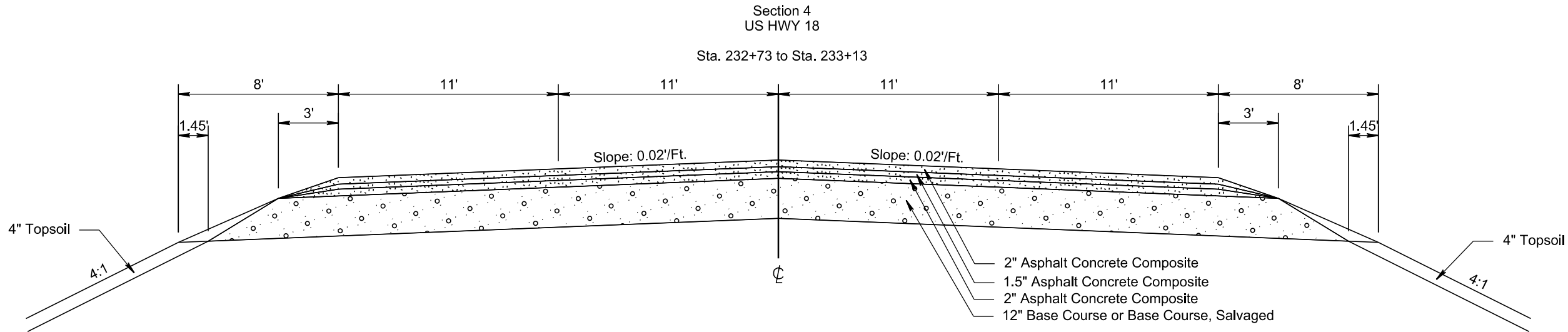
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TYPICAL SURFACING SECTIONS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0018(260)425	F4	F6

Plotting Date: 04/07/2026



PLOT SCALE - 1+6.00001

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PLOT NAME - 4

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PAVEMENT LAYOUT

Scale 1 Inch = 40 Feet
Sheet 1 of 1 Sheets

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0018(260)425	F5	F6

Plotting Date: 04/07/2026

Plot Scale -
1"=40'

- 

6" Base Course, Salvaged
- 

6" PCC Driveway Pavement
4" Base Course, Salvaged
- 

4" Asphalt Concrete Composite
13.5" Base Course, Salvaged



Sta. 232+73
Begin NH 0018(260)425
Begin Grading
Begin 5.5" Asphalt Concrete Composite
over 12" Base Course, Salvaged

Iowa Ave

233+00

234+00

235+00

236+00

237+00

238+00

S Iowa Ave

Identical Point

Sta. 241+49.40
End Grading
End 5.5" Asphalt Concrete Composite
over 12" Base Course, Salvaged

238+00

239+00

240+00

241+00

242+00

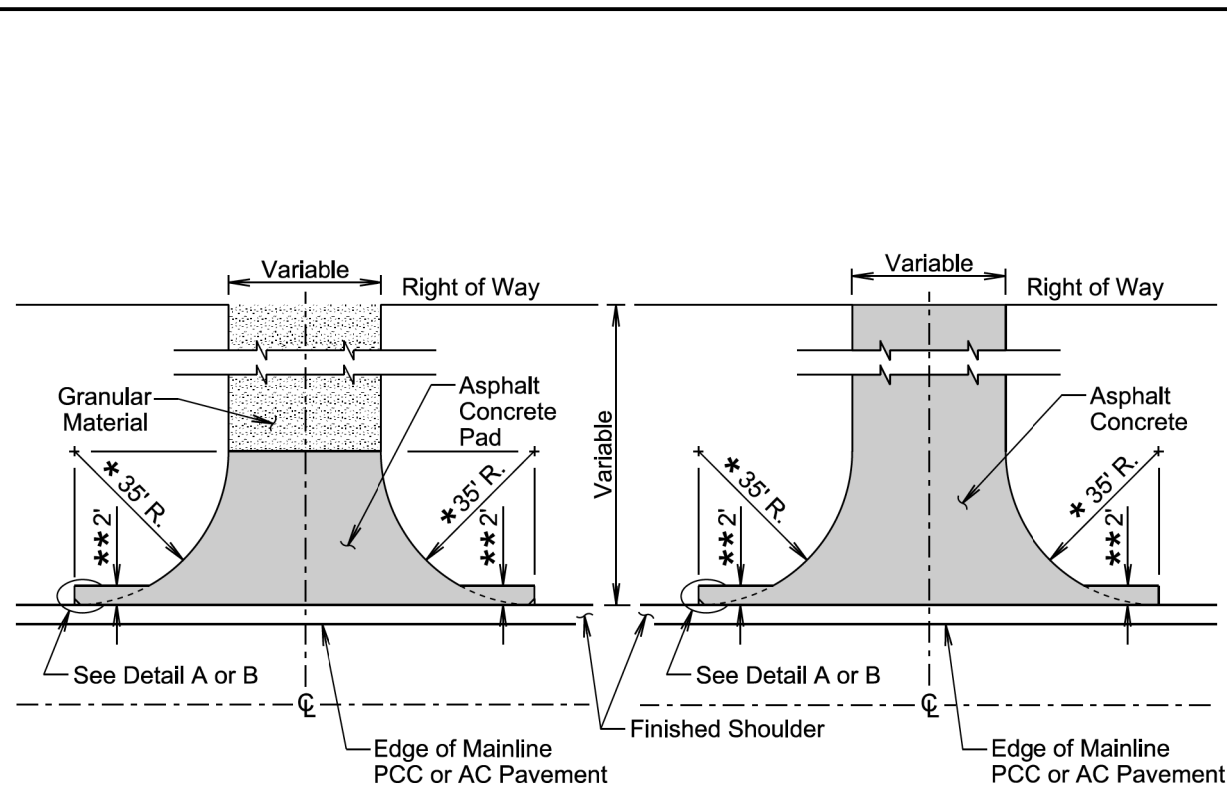
243+00

244+00

Plotted From -
TRPR15123

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
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PLAN VIEW
(Intersecting Road)
(No Asphalt Concrete Surfacing
Beyond Right of Way)

PLAN VIEW
(Intersecting Road)
(Asphalt Concrete Surfacing
Beyond Right of Way)

GENERAL NOTES:

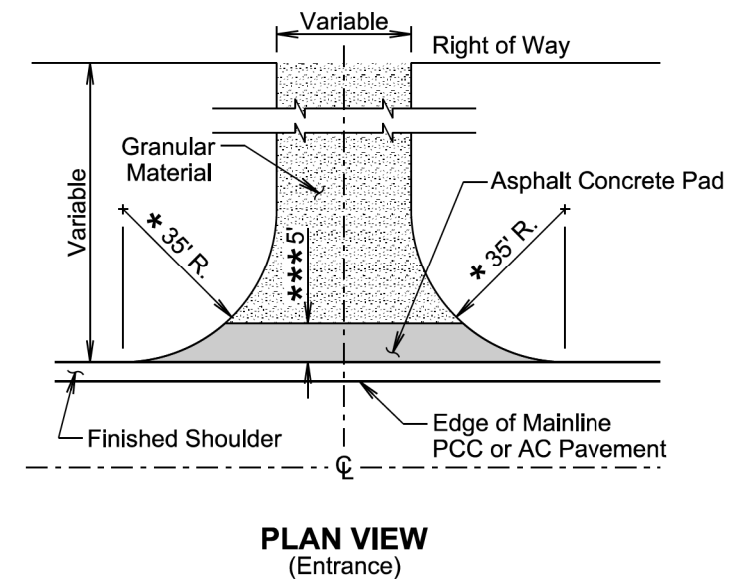
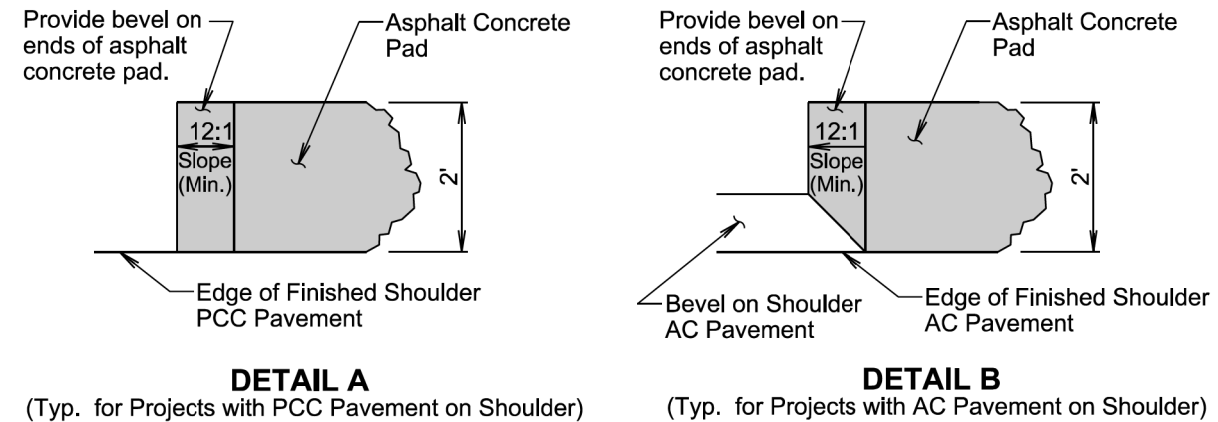
The precise construction limits for situations other than shown above will be determined by the Engineer during construction.

* For new construction, 35' radius typical or as specified in the plans. For resurfacing projects, radius is variable depending on existing conditions.

** The Contractor may adjust the screed of the paver during mainline paving operations to provide the 2-foot asphalt concrete pad or the Contractor may provide the 2-foot asphalt concrete pad during paving of the intersecting roads as shown above. The Engineer may eliminate the 2-foot asphalt concrete pads if the Engineer, in the Engineer's sole discretion, determines the pads are infeasible to construct due to site specific reasons including, but not limited to; existing inslope configuration, borrow and material availability, and right-of-way constraints.

August 27, 2020

Published Date: 2026	S D D O T	SURFACING OR RESURFACING OF INTERSECTING ROADS AND ENTRANCES (MAINLINE AND SHOULDERS: PCC OR AC PAVEMENT)	PLATE NUMBER 320.04
			Sheet 1 of 2



PLAN VIEW
(Entrance)

*** Not required if finished shoulder width is 4' or greater.

August 27, 2020

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			Sheet 2 of 2