

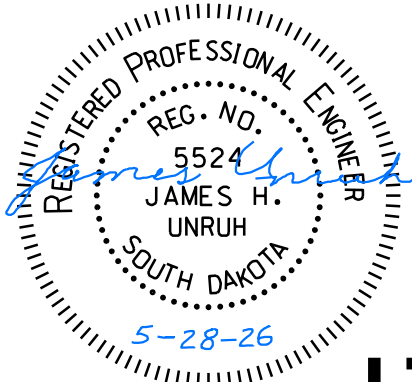
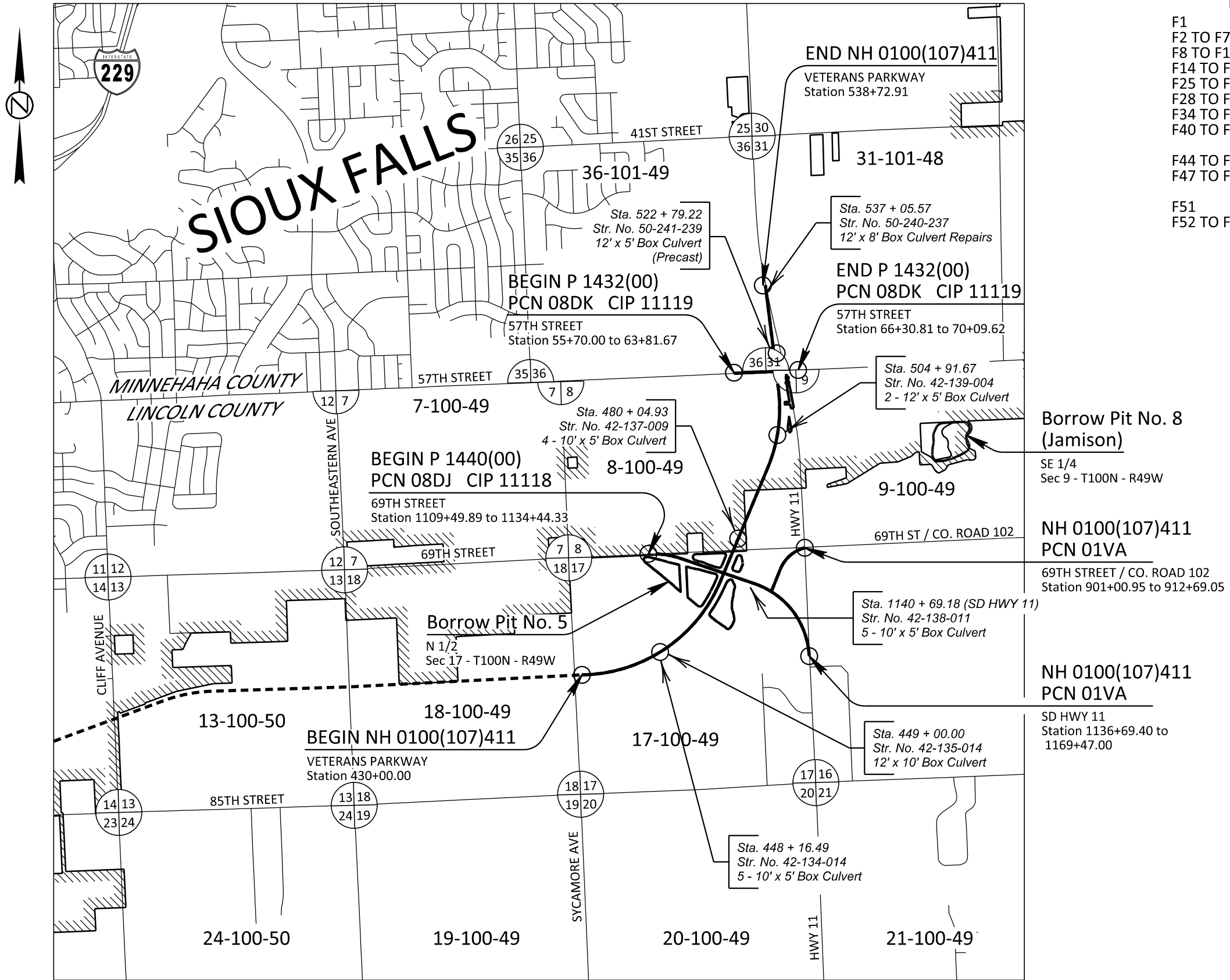
SECTION F: SURFACING PLANS

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F1	F57
FILE: ...\\Section F\\F01 (Title)		REV DATE: 04-23-2026	
PLOT DATE: 05-28-2026		INITIAL: JHU	

INDEX OF SHEETS

F1	General Layout with Index
F2 TO F7	General Notes & Tables
F8 TO F13	Typical Surfacing Sections
F14 TO F24	Veterans Parkway Surfacing Plans
F25 TO F27	Veterans Parkway Crossover Plans
F28 TO F33	69th Street Surfacing Plans
F34 TO F39	SD Hwy 11 Surfacing Plans
F40 TO F43	69th Street / Co. Rd. 102 Connection Surfacing Plans
F44 TO F46	57th Street Surfacing Plans
F47 TO F50	Veterans Parkway Pavement Slope Layout Plans
F51	Special Surfacing Details
F52 TO F57	Standard Plates & Details

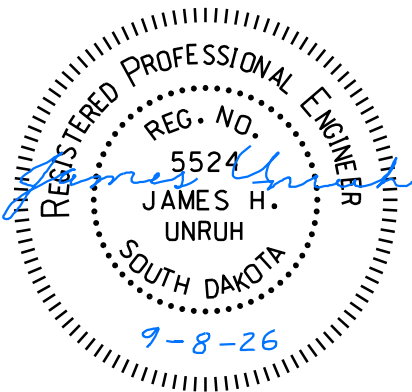


STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F2	F57

SECTION F ESTIMATE OF QUANTITIES

Bid Item Number	Item	Quantity				Unit
		PCN 01VA Veterans	PCN 08DJ 69th Street	PCN 08DK 57th Street	Total	
120E6200	Water for Granular Material	923.3	221.1	38.5	1,182.9	MGal
260E1010	Base Course	14,133.0	16,585.0	213.0	30,931.0	Ton
260E2010	Gravel Cushion	58,439.7	440.0	2,851.0	61,730.7	Ton
260E3010	Gravel Surfacing	1,537.0	1,041.0	-	2,578.0	Ton
320E0008	PG 64-34 Asphalt Binder	111.8	222.4	-	334.2	Ton
320E1060	Class G Asphalt Concrete	1,995.6	3,972.1	-	5,967.7	Ton
320E1200	Asphalt Concrete Composite	3,066.7	-	-	3,066.7	Ton
320E3000	Compaction Sample	9	9	-	18.0	Each
320E4000	Hydrated Lime	20.0	39.7	-	59.7	Ton
330E0100	SS-1h or CSS-1h Asphalt for Tack	6.8	6.1	-	12.9	Ton
330E0210	SS-1h or CSS-1h Asphalt for Flush Seal	1.3	2.5	-	3.8	Ton
330E2000	Sand for Flush Seal	24.0	47.7	-	71.7	Ton
380E0070	9" Nonreinforced PCC Pavement	-	-	6,502.5	6,502.5	SqYd
380E0090	10" Nonreinforced PCC Pavement	122,156.2	-	-	122,156.2	SqYd
380E1070	10" Miscellaneous PCC Pavement	941.4	-	-	941.4	SqYd
380E6000	Dowel Bar	74,759	-	3,980	78,739.0	Each
380E6110	Insert Steel Bar in PCC Pavement	1,477	-	60	1,537.0	Each
831E0200	Woven Separator Fabric	-	16,420	-	16,420.0	SqYd

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SURFCING THICKNESS DIMENSIONS

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

9" OR 10" NONREINFORCED PCC PAVEMENT

The aggregate may require screening as determined by the Engineer.

The concrete mix will conform to the Special Provision for Contractor Furnished Mix Design for PCC Pavement.

There will be no direct payment for trimming of the gravel cushion for PCC pavement. The trimming will be considered incidental to the related items required for PCC Pavement. Trimming will be performed as required by Section 380.3 C of the Specifications.

The surface of the Veterans Parkway mainline paving will be longitudinally tined to within 2.5 feet of the face of the curb. All other concrete pavement areas will receive a heavy carpet drag or as otherwise directed by the Engineer.

Unless specified otherwise in the PCC Pavement Joint Layout Sheets or elsewhere in the plans, the typical joint spacing for the 9" or 10" Nonreinforced PCC Pavement will be 15'.

See Standard Plate 380.01 for placement of Dowel Bars. The transverse construction joints will be handled in accordance with Standard Plate 380.15.

The transverse contraction joints will be perpendicular to the centerline. In multilane areas the transverse contraction joints will be perpendicular to the centerline and be in a straight line across the entire width of the pavement. In special situations the Engineer may pre-approve transverse contraction joints that do not meet these requirements. All nonconforming transverse contraction joints will be removed at the Contractor's expense. Any method of placement that cannot produce these requirements will not be allowed.

The location of joints, as shown and designated on the PCC Pavement Joint Layout(s) are only approximate locations to be used as a guide and to afford bidders a basis for estimating the construction cost of the joints. The final locations of the joints are to be designated by the Engineer during construction.

PAVEMENT SMOOTHNESS

- 0.0 band California Profilograph (see Section 380.3.O.3 of the Standard Specifications):
- Veterans Parkway mainline through lanes Sta. 430+00 to Sta. 538+75
 - SD11 mainline through and turning lanes Sta 1136+69 to Sta 1167+70

The following locations will be tested for smoothness with 0.2-inch blanking band in accordance with Section 380.3 O.3 of the Specifications.

- Veterans Parkway mainline turning lanes Sta. 430+00 to Sta. 538+75

Other concrete pavement lanes will be tested for smoothness requirements per Section 380.3 O.2 of the Standard Specifications.

CURING OF CONCRETE

Portland Cement Concrete Pavement, Concrete Curb & Gutter, Concrete Gutter, and Concrete Fillet will be cured with poly-alpha methylstyrene (AMS) membrane curing compound. All costs for Curing of Concrete will be incidental to the contract unit price per various Portland Cement Concrete bid items.

10" MISCELLANEOUS PCC PAVEMENT

The large radius turning areas will be constructed as shown on the "Special Steel Bar Reinforcement Detail for Large Radius Turning Areas" detail. The cost to construct these areas as designated in the plans will be at the contract unit price per square yard for 10" Miscellaneous PCC Pavement. Reinforcing steel will be incidental to the unit price for 10" Miscellaneous PCC Pavement. The curb and gutter section adjacent to this pavement is paid for separately.

The concrete used will be in accordance with the requirements stated under the notes for Nonreinforced PCC Pavement.

WATER FOR GRANULAR MATERIAL

Water for granular material compaction is estimated at 12 gallons per ton and will be paid for at the contract unit price per thousand gallons for "Water for Granular Material".

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CLASS G ASPHALT CONCRETE

Mineral Aggregate for Class G Asphalt Concrete will conform to the requirements for Class G, Type I.

When directed by the Engineer, the Contractor will saw and remove a total of three undamaged compaction cores per asphalt concrete lift from designated area(s) and repair the hole(s) to the satisfaction of the Engineer. All costs associated with the compaction cores will be incidental to the contract unit price per each for "Compaction Sample".

All other requirements for Class G will apply.

FLUSH SEAL

Application of flush seal will be completed within 10 working days following completion of the asphalt concrete surfacing and will be spread the full width of the asphalt concrete pavement.

Application of flush seal may be eliminated by the Engineer. If the paved surface remains tight, the Engineer will notify the Contractor as soon as possible that the flush seal is unnecessary.

SAND FOR FLUSH SEAL

The sand application will be placed 11' wide in each lane, leaving 12" on center line and 6" on each edge line free of sand.

ASPHALT CONCRETE COMPOSITE

SS-1h or CSS-1h asphalt for tack 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 or new asphalt concrete pavement. The asphalt for tack will be applied for the full width of the subsequent layers of Asphalt Concrete Composite plus one-half foot additional on the outside shoulder or the width of the Asphalt Concrete Composite lift in areas with curb and gutter.

The Contractor may substitute G Asphalt Concrete instead of Asphalt Concrete Composite.

ALKALI SILICA REACTIVITY

Fine aggregate will conform to Section 800.2 D Alkali Silica Reactivity (ASR) Requirements.

Below is a list of known fine aggregate sources and the average corresponding 14-day expansion values (as of 10-2-2025):

Source	Location	Expansion Value
Bachman	Winner, SD	0.335*
Bitterman	Delmont, SD	0.316*
Concrete Materials	Corson, SD	0.146
Concrete Materials - Vellek Pit	Yankton, SD	0.442**
Croell	Hot Springs, SD	0.089
Croell	Wasta, SD	0.212
Emme Sand & Gravel	Oneil, NE	0.217
Fisher S&G – Blair Pit	W of Vale, SD	0.171
Fisher S&G - Mickelson Pit	E of Nisland, SD	0.129
Fisher S&G - Vallery Pit	Nisland, SD	0.110
Fisher S&G	Rapid City, SD	0.092
Fisher S&G	Spearfish, SD	0.053
Fisher S&G	Wasta, SD	0.159
Fuchs	Pickstown, SD	0.275*
Henning – Tilstra Pit	Ash Creek, MN	0.199
Higman	Hudson, SD	0.187
Jensen	Herried, SD	0.276*
L.G. Everist	Akron, IA	0.257*
L.G. Everist	Brookings, SD	0.297*
L.G. Everist – Ode Pit	E Sioux Falls, SD	0.222
L.G. Everist – Nelson Pit	NE Sioux Falls, SD	0.156
L.G. Everist	Hawarden, IA	0.211
L.G. Everist	Summit, SD	0.184
Mark's S&G – Moerke Pit	Underwood, MN	0.165
Morris – Birdsall	Blunt, SD	0.229
Morris - Leesman	Blunt, SD	0.231
Morris - Richards Pit	Onida, SD	0.188
Morris - Shawn's Pit	E of Sturgis, SD	0.186
Northern Concrete Agg.	Rauville, SD	0.113
Northern Concrete Agg.	Luverne, MN	0.154
Opperman - Gunvordahl Pit	Burke, SD	0.363*
Opperman - Cahoy Pit	Herrick, SD	0.307*
Opperman - Jones Pit	Burke, SD	0.321*
Opperman - Randall Pit	Pickstown, SD	0.250
Pete Lien & Sons	Creston, SD	0.158
Pete Lien & Sons	Oral, SD	0.157
Pete Lien & Sons	Wasta, SD	0.255*
Simon Materials - Beltline Pit	Scottsbluff, NE	0.277*
Thorpe Pit	Britton, SD	0.098
Valley S&G – Van Beek Pit	Rock Valley, IA	0.228
Wagner Building Supplies	Pickstown (Wagner), SD	0.251*
Winter Brothers- Whitehead Pit	Brookings, SD	0.197

* These sources will require Type II cement with a fly ash content of 25% in the concrete mix.

** These sources will not be used.

The Department will use the running average of the last three or fewer known expansion test results for determining acceptability of the source. These expansion results are reported in the preceding table. Additional testing, when requested by the Contractor, will be performed by the Department at the Contractor's expense.

The values listed in the table are intended for use in bidding. If a previously tested pit by SDDOT with a test value less than 0.250 is discovered after letting to be 0.250 or greater, then the Department will accept financial responsibility if higher costs are incurred due to higher percent of fly ash requirement.

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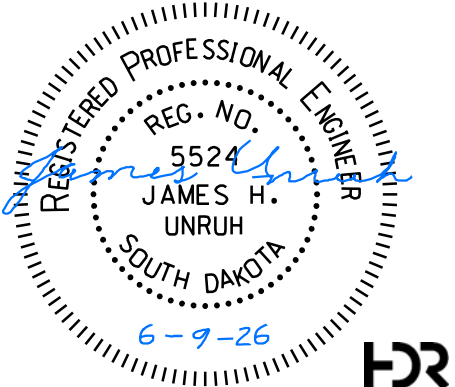


TABLE OF 9" NON-REINFORCED PCC PAVEMENT

Station	to Station	L/R	Location	Width (ft)	Quantity (SqYd)	¹ Gravel Cushion (Tons)	Water (Mgal)	² Dowel Bars (each)
08DK 57th Street								
88+70	63+82	L	WB Lanes	22'-30'	497.8	233.0	2.8	305
		R	EB Lanes	22'-55'	3,039.1	1,357.0	16.3	1,860
66+31	70+10	L	WB Lanes	22'-55'	2,090.6	828.0	9.9	1,279
		R	EB Lanes	22'-30'	875.0	409.0	4.9	536
Total 08DK 57th Street					6,502.5	2,827.0	33.9	3,980

¹ Includes gravel cushion under adjacent curb and gutter

² Use maximum 15' joint spacing

TABLE OF 10" NON-REINFORCED PCC PAVEMENT

Station	to Station	L/R	Location	Width (ft)	Quantity (SqYd)	¹ Gravel Cushion (Tons)	Water (Mgal)	² Dowel Bars (each)
01VA Veterans Parkway								
430+00	470+57	L	WB Lanes	36'-72'	17,429.0	7,518.0	90.2	10,667
		R	EB Lanes	36'-72'	18,062.4	7,762.0	93.1	11,054
470+57	472+98	L	SD11 Intersection	varies	4,157.4	1,480.0	17.8	2,544
		R						
472+98	518+17	L	WB Lanes	36'-72'	20,321.0	8,688.0	104.3	12,436
		R	EB Lanes	36'-72'	20,272.6	8,687.0	104.2	12,407
518+17	520+45	L	57th St Intersection	varies	4,320.7	1,536.0	18.4	2,644
		R						
520+45	538+73	L	WB Lanes	36'-72'	9,367.1	3,901.0	46.8	5,733
		R	EB Lanes	12'-36'	7,008.2	3,218.0	38.6	4,289
539+10	539+25	R	EB Patch	5'	7.8	6.0	0.1	5
541+08	541+23	R	EB Patch	5'	7.8	6.0	0.1	5
Subtotal					100,954.0	42,802.0	513.6	61,784

01VA SD Highway 11

1136+69	1146+01	L	WB Lanes	24'-60'	3,858.5	1,684.0	20.2	2,361
		R	EB Lanes	24'-48'	3,190.7	1,457.0	17.5	1,953
1146+01	1147+91	L/R	69th St Intersection	varies	2,231.0	833.0	10.0	1,365
1147+91	1167+70	L	WB Lanes	24'-48'	6,039.1	2,846.0	34.2	3,696
		R	EB Lanes	24'-48'	5,882.9	2,826.0	33.9	3,600
Subtotal					21,202.2	9,646.0	115.8	12,975
Total 01VA					122,156.2	52,448.0	629.4	74,759

¹ Includes gravel cushion under adjacent curb and gutter

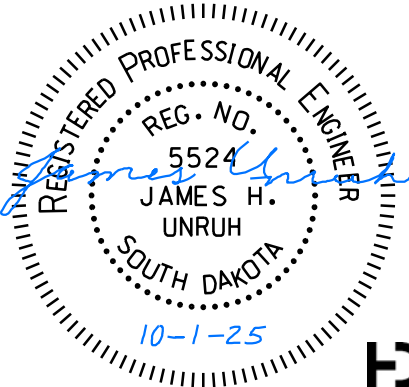
² Use maximum 15' joint spacing

TABLE OF 10" MISCELLANEOUS PCC PAVEMENT

L/R	Location	Quantity (SqYd)	Gravel Cushion (Tons)	Water (Mgal)
01VA Veterans Parkway				
L	SD11/Veterans NW quadrant	49.8	16.6	0.2
R	SD11/Veterans NE quadrant	99.6	33.3	0.4
R	SD11/Veterans SE quadrant	49.8	16.6	0.2
L	SD11/Veterans SW quadrant	99.6	33.3	0.4
L	57th/Veterans NW quadrant	74.7	25.0	0.3
R	57th/Veterans NE quadrant	72.3	24.2	0.3
R	57th/Veterans SE quadrant	73.9	24.7	0.3
L	57th/Veterans SW quadrant	71.7	24.0	0.3
L	SD11/69th NW quadrant	114.2	38.2	0.5
L	SD11/69th NE quadrant	122.3	40.9	0.5
R	SD11/69th SE quadrant	31.4	10.5	0.1
R	SD11/69th SW quadrant	82.1	27.4	0.3
Total 01VA Veterans Parkway		941.4	314.7	3.8

SUMMARY TABLE OF WATER FOR GRANULAR MATERIAL

Location	Water (Mgal)				
	01VA Veterans Parkway	01VA SD11	01VA 69th Street/CR 102	08DK 57th Street	08DJ 69th Street
9" Non-Reinforced PCC Pavement				33.9	
10" Non-Reinforced PCC Pavement	513.6	115.8			
10" Miscellaneous PCC Pavement	3.8				
Driveways, Approaches and Trail	13.0	2.0	7.0		14.0
Base course under medians	7.6	4.7		2.6	3.2
Under Asphalt	62.9	20.4	97.5		195.9
Under Splashguards	58.0	17.0		2.0	8.0
Subtotal	658.9	159.9	104.5		
	923.3			38.5	221.1
Total Water Required	1,182.9				

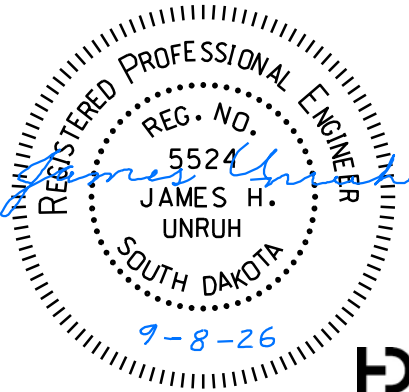


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TABLE OF GRAVEL SURFACING						
Driveways, Approaches and Gravel Trail						
Station to	Station	L/R	Location	Width (ft)	Gravel Surfacing (Tons)	Water (MGal)
01VA Veterans Parkway						
1462+00	1470+87	L/R	Gravel Trail	10'	275.0	4.0
1472+07	1479+39	L/R	Gravel Trail	10'	226.0	3.0
1218+15	1234+05	L/R	Gravel Trail	10'	494.0	6.0
					995.0	13.0
01VA SD Highway 11						
1163+06	1164+21	R	Driveway	varies	148.0	2.0
					148.0	2.0
01VA 69th Street/County Road 102 Connection						
907+01	907+50	L	Approach	50'	120.0	2.0
908+21	909+92	R	Approach	32'	88.0	2.0
909+75	910+43	L	Driveway	32'	186.0	3.0
					394.0	7.0
Total 01VA					1,537.0	22.0
08DJ 69th Street						
1113+30	1113+54	R	Approach	10'	11.0	1.0
1122+92	1124+32	L	Approach	22'	155.0	2.0
1125+45	1126+60	L	Turnaround	Varies	731.0	9.0
1129+61	1130+26	L	Approach	50'	144.0	2.0
Total 08DJ 69th Street					1,041.0	14.0
Project Total					2,578.0	36.0

TABLE OF INSERT STEEL BAR IN PCC PAVEMENT				
Station & offset	to Station & offset	Location	Total Joint Length (Ft)	# of Bars (Each)
01VA Veterans Parkway				
538+72.9, 52' L	538+72.9, 16' L	Veterans	36	24
537+60, 52' R	538+72.9, 16' L	Veterans	148	99
537+60, 52' R	543+80, 52' R	Veterans	618	412
541+91.7, 16' L	548+98, 16' L	Veterans	706	471
541+91.7, 16' R	548+98, 16' R	Veterans	706	471
Total 01VA Veterans Parkway			1,477	
08DK 57th Street				
55+70.0, 9.2' R	55+70.0, 31.2'	57th Street	22	15
62+21.6, 9.4' L	62+21.6, 31.4' L	57th Street	22	15
69+49.2, 40.3' R	69+19.2, 18.3'	57th Street	22	15
70+09.6, 10.5' L	70+09.6, 32.5' L	57th Street	22	15
Total 08DK 57th Street			60	
Total Project			1,537	

TABLE OF ADDITIONAL GRAVEL CUSHION					
Under Splashguards					
Station to	Station	L/R	Width (ft)	Gravel Cushion (Tons)	Water (MGal)
01VA Veterans Parkway					
432+92	466+85	L	varies	977.0	12.0
432+92	466+85	R	varies	973.0	12.0
478+70	513+33	L	varies	988.0	12.0
478+70	513+33	R	varies	991.0	12.0
525+14	538+73	L	varies	387.0	5.0
525+14	538+73	R	varies	386.0	5.0
				4,702.0	58.0
01VA SD Highway 11					
1140+23	1143+27	L	varies	88.0	2.0
1140+23	1143+27	R	varies	88.0	2.0
1150+83	1163+16	L	varies	362.0	5.0
1150+83	1163+16	R	varies	359.0	5.0
1163+40	1163+76	L/R	varies	24.0	1.0
1166+79	1167+70	L	varies	28.0	1.0
1166+79	1167+70	R	varies	26.0	1.0
				975.0	17.0
Total 01VA				5,677.0	75.0
08DK 57th Street					
69+37	70+10	L	varies	21.0	1.0
69+37	69+49	R	varies	3.0	1.0
Total 08DK 57th Street				24.0	2.0
08DJ 69th Street					
1118+04	1120+06	L	varies	47.0	1.0
1118+04	1120+06	R	varies	46.0	1.0
1123+76	1131+25	L	varies	174.0	3.0
1123+76	1131+25	R	varies	173.0	3.0
Total 08DJ 69th Street				440.0	8.0
Project Total				6,141.0	85.0



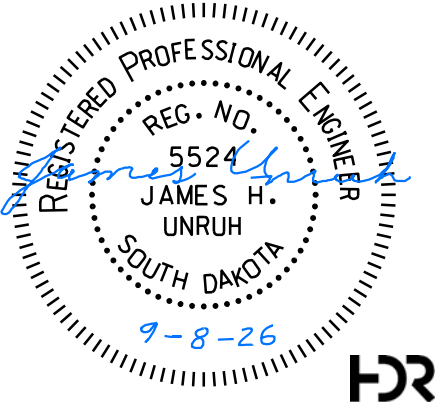
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SUMMARY TABLE OF GRAVEL CUSHION					
Location	Gravel Cushion* (Ton)				
	01VA Veterans Parkway	01VA SD Highway 11	01VA 69th Street/CR 102	08DK 57th Street	08DJ 69th Street
9" Non-Reinforced PCC Pavement				2,827.0	
10" Non-Reinforced PCC Pavement	42,802.0	9,646.0			
10" Miscellaneous PCC Pavement	314.7				
Splashguards	4,702.0	975.0		24.0	440.0
Total Gravel Cushion Required	47,818.7	10,621.0	0.0		
	58,439.7			2,851.0	440.0

*Granular cushion material required for the concrete sidewalk is incidental to the concrete sidewalk bid item.

SUMMARY TABLE OF BASE COURSE					
Location	Base Course (Ton)				
	01VA Veterans Parkway	01VA SD Highway 11	01VA 69th Street/CR 102	08DK 57th Street	08DJ 69th Street
Shared Use Path & Lanes	5,238.0	1,699.0	6,177.0		16,320.0
Medians	633.0	386.0		213.0	265.0
Total Base Course Required	5,871.0	2,085.0	6,177.0		
	14,133.0			213.0	16,585.0
Project Total:	30,931.0				

TABLE OF BASE COURSE UNDER MEDIANS QUANTITIES							
Location	Location	L/R	Width (Feet)	Area (sq ft)	Base Course (in)	Base Course (Tons)	Water (Mgal)
01VA Veterans Parkway							
430+00 to 432+92	Median	R	2.67	798	14	86.0	1.0
466+85 to 470+53	Median	L	2.67	995	14	107.0	1.3
473+03 to 478+70	Median	L	2.67	1,526	14	165.0	2.0
513+33 to 518+12	Median	L	2.67	1,291	14	140.0	1.7
520+50 to 525+14	Median	R	2.67	1,251	14	135.0	1.6
						633.0	7.6
01VA SD Highway 11							
1136+76 to 1139+67	Median	R	2.67	1,079	14	117.0	1.4
1143+78 to 1145+96	Median	L	2.67	811	14	87.0	1.0
1147+96 to 1150+23	Median	R	2.67	848	14	92.0	1.1
1164+05 to 1166+12	Median	L	2.67	584	14	63.0	0.8
1165+79 to 1166+72	Median	R	2.67	258	14	27.0	0.3
						386.0	4.6
Total 01VA						1,019.0	12.2
08DK 57th Street							
62+22 to 63+75	Median	L	2.67	613	14	66.0	0.8
66+38 to 69+37	Median	R	2.67	1,362	14	147.0	1.8
Total 08DK						213.0	2.6
08DJ 69th Street							
1120+06 to 1122+46	Median	L/R	2.67	1,080	14	117.0	1.4
1131+25 to 1134+34	Median	L/R	2.67	1,372	14	148.0	1.8
Total 08DJ						265.0	3.2
Project Total						1,497.0	18.0



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REV. DATE: 05-28-2026
INITIAL: JHU

STATE OF SOUTH DAKOTA	PROJECT NH 0100(107)411 P 1440(00) & P 1432(00)	SHEET NO. F7	TOTAL SHEETS F57
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TABLE OF ASPHALT AND BASE COURSE QUANTITIES

Location	Location	L/R	Width (Feet)	Area (sq ft)	Asphalt Depth (In)	Number of lifts (#)	¹ Base Course (in)	Asphalt Concrete Composite (Tons)	Class G Asphalt Concrete (Tons)	² PG 64-34 Asphalt Binder (Tons)	³ SS-1h or CSS- 1h Asphalt for Tack (Tons)	⁴ SS-1h or CSS- 1h Asphalt for Flush Seal (Tons)	⁵ Sand for Flush Seal (Tons)	⁶ Hydrated Lime (Tons)	¹ Base Course (Tons)	Water (Mgal)
01VA Veterans Parkway																
430+00 to 470+86	Shared-Use Path	R	10	45,741	4	2	6	1,128.3	-	-	1.3	-	-	-	2,126.0	25.5
472+71 to 518+29	Shared-Use Path	R	10	45,996	4	2	6	1,134.6	-	-	1.3	-	-	-	2,138.0	25.7
522+02 to 522+98	Shared-Use Path	R	10	1,164	4	2	6	28.7	-	-	0.0	-	-	-	54.0	0.6
536+53 to 537+61	Shared-Use Path	R	10	1,124	4	2	6	27.7	-	-	0.0	-	-	-	52.0	0.6
536+53 to 537+58	Harmodon Rd	L	24	2,421	5	2	9	74.6			0.1				168.0	2.0
509+26 to 510+23	cul-de-sac	R	varies	9,042	5	2	10	278.8			0.3				700.0	8.4
								2,672.7	0.0	0.0	3.0	0.0	0.0		5,238.0	62.8
01VA SD Hwy 11																
1155+46 to 1156+57	cul-de-sac	L	Varies	7,858	5	3	10	242.3			0.4				608.0	7.3
1165+71 to 1167+43	Cody Road	L	Varies	4,919	5	3	10	151.7			0.3				381.0	4.6
1167+70 to 1169+47	South Transition	L/R	Varies	9,163	6	3	10		339.0	19.0	0.5	0.2	4.1	3.4	710.0	8.5
								394.0	339.0	19.0	1.2	0.2	4.1	3.4	1,699.0	20.4
01VA 69th Street/County Road 102 Connection																
900+91 to 912+69	NB/SB Lanes	L/R	Varies	44,771	6	3	14		1,656.5	92.8	2.5	1.1	19.9	16.6	6,177.0	74.1
Total 01VA								3,066.7	1,995.6	111.8	6.8	1.3	24.0	20.0	13,114.0	157.4
08DJ 69th Street																
1109+50 to 1117+99	EB/WB Lanes	L/R	Varies	21,962	6	3	14		812.6	45.5	1.2	0.5	9.8	8.1	3,272.0	39.3
1117+99 to 1134+47	WB Lanes	L	Varies	40,954	6	3	14		1,515.3	84.9	2.3	1.0	18.2	15.2	6,348.0	76.2
1117+99 to 1134+42	EB Lanes	L/R	Varies	44,438	6	3	14		1,644.2	92.1	2.5	1.0	19.8	16.4	6,700.0	80.4
Total 08DJ 69th Street								0.0	3,972.1	222.4	6.1	2.5	47.7	39.7	16,320.0	195.9
Project Total								3,066.7	5,967.7	334.2	12.9	3.8	71.7	59.7	29,434.0	353.2

¹ Includes base course under adjacent curb and gutter (08DJ)

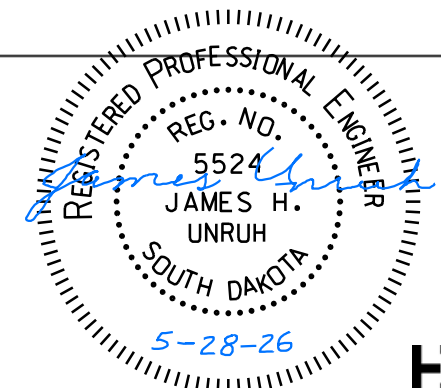
² 5.60% of total mixture weight

³ 0.06 gallons per square yard prior to second and third lifts @ 8.5 pounds per gallon

⁴ 0.05 gallons per square yard on final surface @ 8.5 pounds per gallon

⁵ 8.00 pounds per square yard on flushed surface

⁶ 1% of Class G Asphalt Concrete



HR

TYPICAL SURFACING SECTIONS

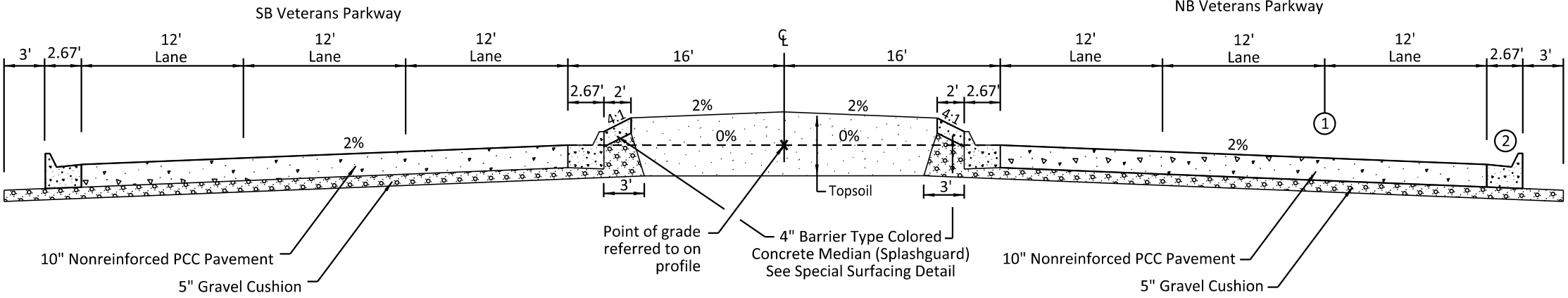
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F8	F57

FILE: ...F08-F13 (Typ Sec).dgn
PLOTING DATE: 08-29-2025

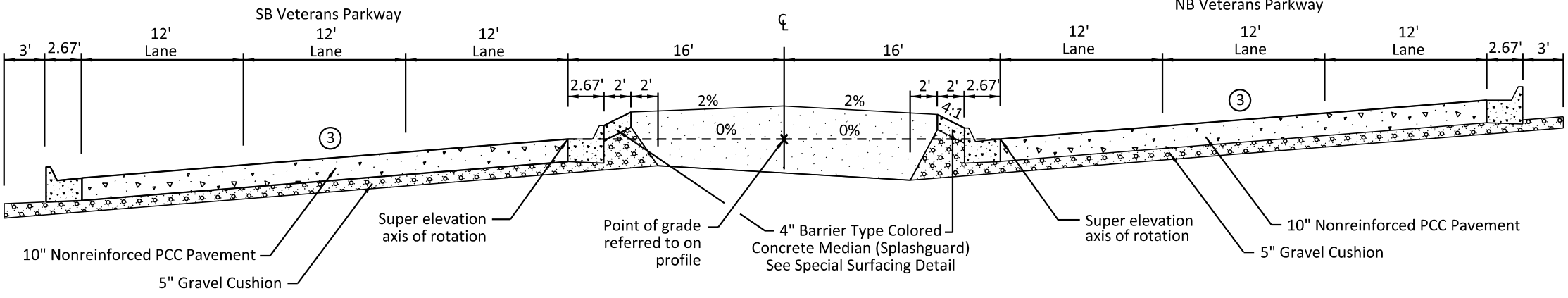
REV DATE:
INITIAL:

Veterans Parkway
430+00.00 to 538+72.91

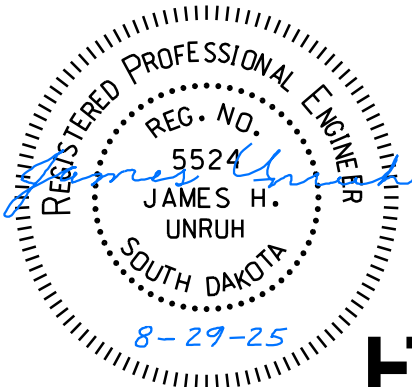


- ① Outside 2 lanes construction ends at 536+96.00
- ② Curb and gutter installation continues to station 543+80.11

Veterans Parkway
Superelevated Section



- ③ See Superelevation Table and Pavement Slope Layout Sheets for Superelevation Rates and Transitions



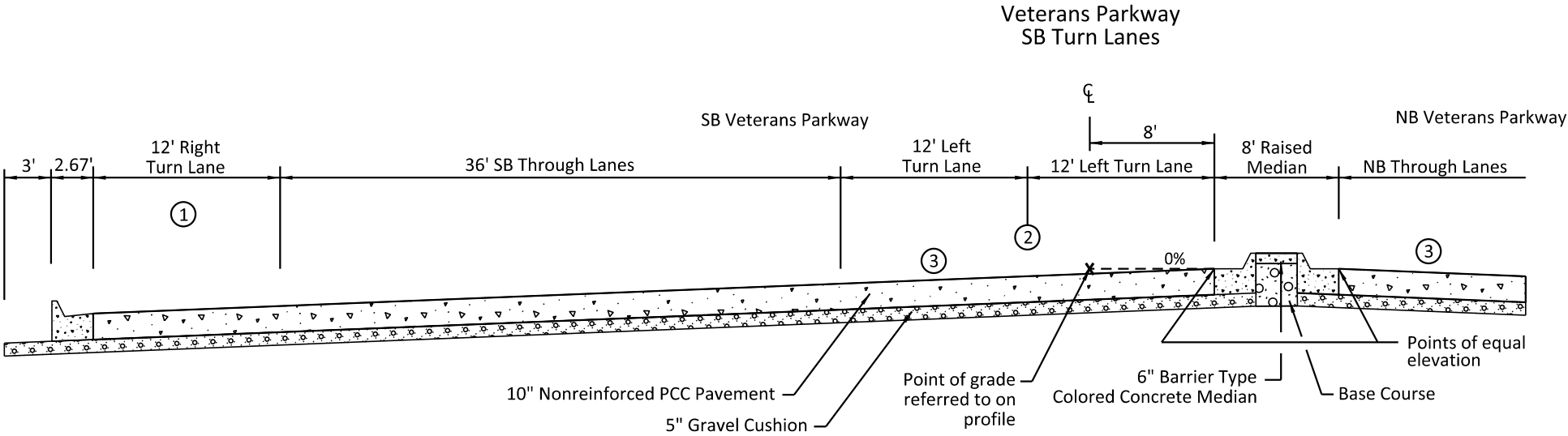
TYPICAL SURFACING SECTIONS

FOR BIDDING PURPOSES ONLY

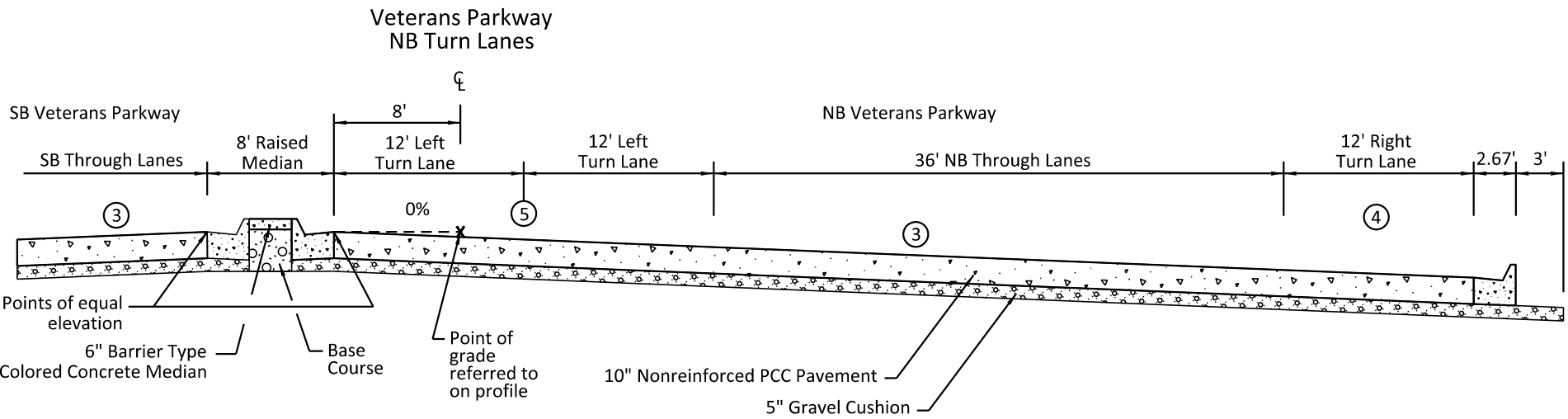
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F9	F57

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PLOT DATE: 08-29-2025

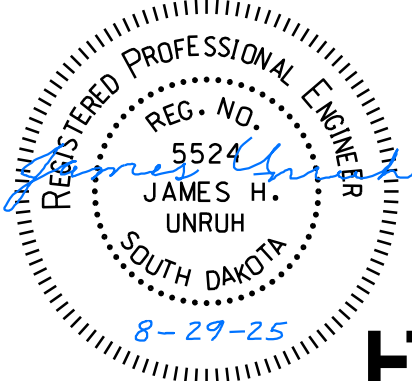
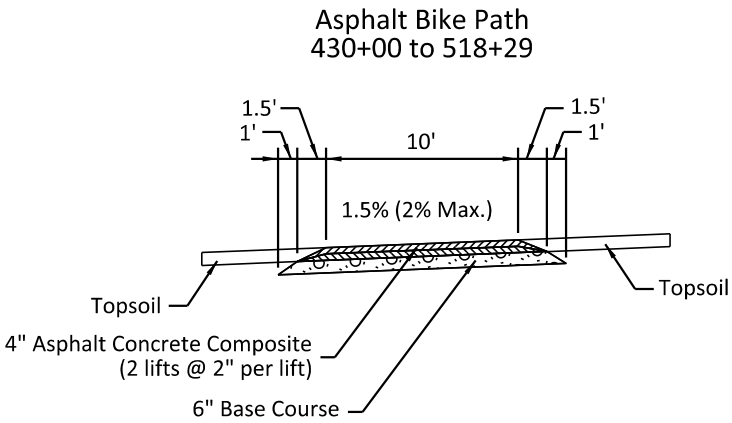
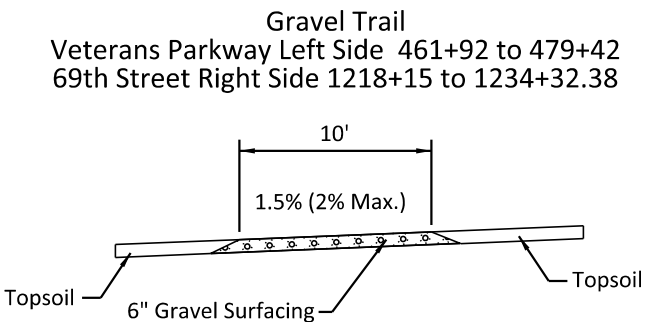
REV DATE:
INITIAL:



- ① Right turn lanes
430+00.00 to 432+80.00 - 12' to 0'
432+80.00 to 434+00.00 - 12' to 0'
473+00.00 to 477+40.00 - 12' to 0'
477+40.00 to 478+60.00 - 12' to 0'
520+45.50 to 525+00.00 - 12' to 0'
525+00.00 to 526+20.00 - 12' to 0'
- ② Left turn lanes
430+00.00 to 432+80.00 - 24' to 0'
432+80.00 to 434+00.00 - 24' to 0'
473+00.00 to 478+56.58 - 24' to 0'
478+56.58 to 479+76.58 - 24' to 0'
520+45.50 to 525+00.00 - 24' to 0'
525+00.00 to 526+20.00 - 24' to 0'
- ③ See Superelevation Table and Pavement Slope Layout Sheets for Superelevation Rates and Transitions



- ④ Right turn lanes
465+80.00 to 467+00.00 - 12' to 0'
467+00.00 to 470+57.51 - 12' to 0'
512+30.00 to 513+48.00 - 12' to 0'
513+48.00 to 518+17.37 - 12'
- ⑤ Left turn lanes
465+80.00 to 467+00.00 - 0' to 24'
467+00.00 to 470+57.51 - 24' to 0'
512+30.00 to 513+48.00 - 0' to 24'
513+48.00 to 518+17.37 - 24'



TYPICAL SECTION

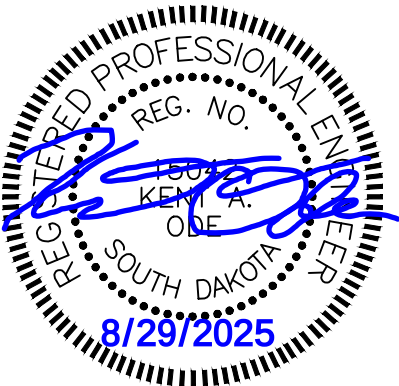
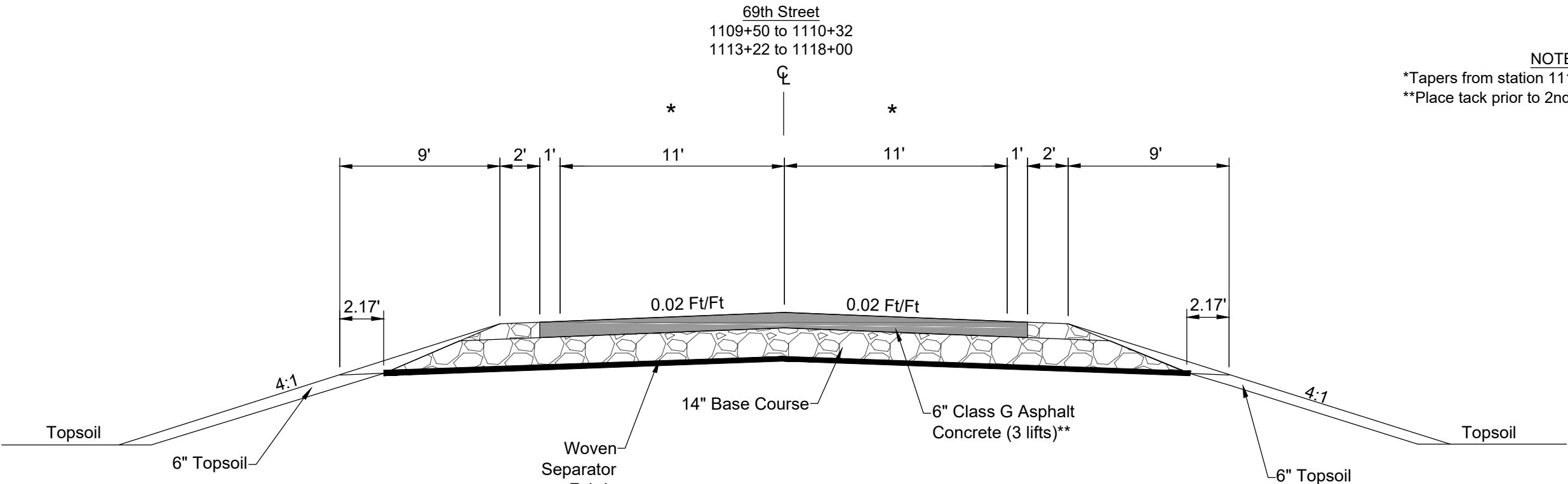
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1441(00) & P 1432(00)	F10	F57

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PLOT DATE: 8/28/2025
REV DATE:
INITIAL:

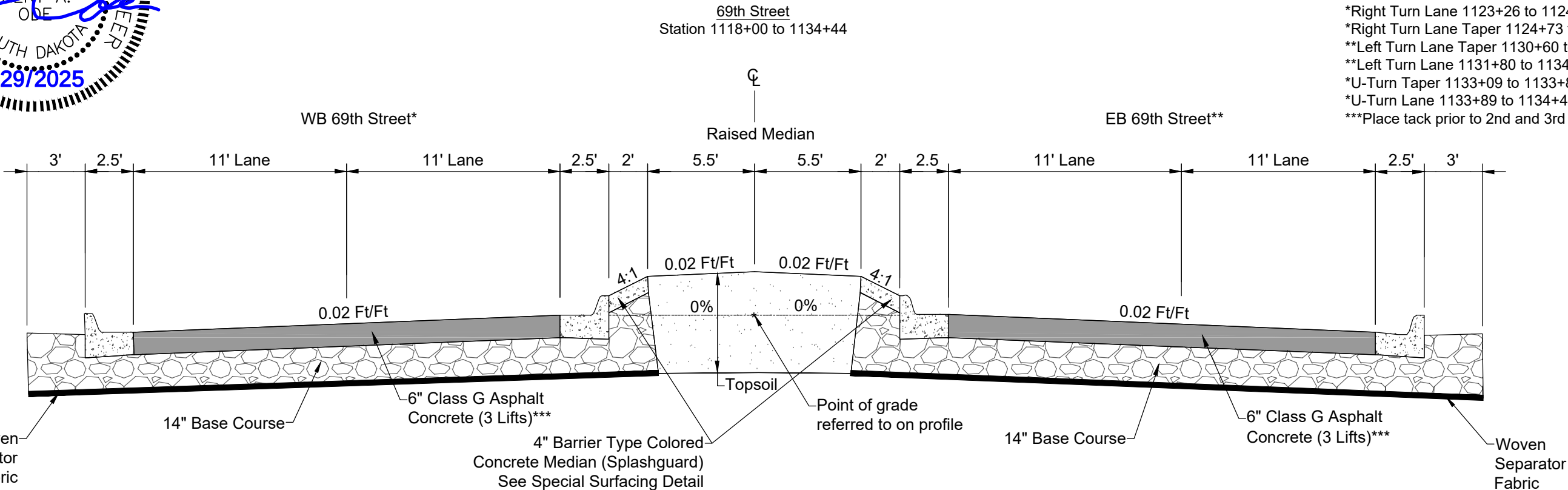
NOTES

- *Tapers from station 1115+00 to 1118+00
- **Place tack prior to 2nd and 3rd asphalt lift



NOTES

- **Left Turn Lane Taper 1119+33 to 1120+51
- **Left Turn Lane 1120+51 to 1122+51
- *Right Turn Lane 1123+26 to 1124+73
- *Right Turn Lane Taper 1124+73 to 1125+92
- **Left Turn Lane Taper 1130+60 to 1131+80
- **Left Turn Lane 1131+80 to 1134+39
- *U-Turn Taper 1133+09 to 1133+89
- *U-Turn Lane 1133+89 to 1134+44
- ***Place tack prior to 2nd and 3rd asphalt lift



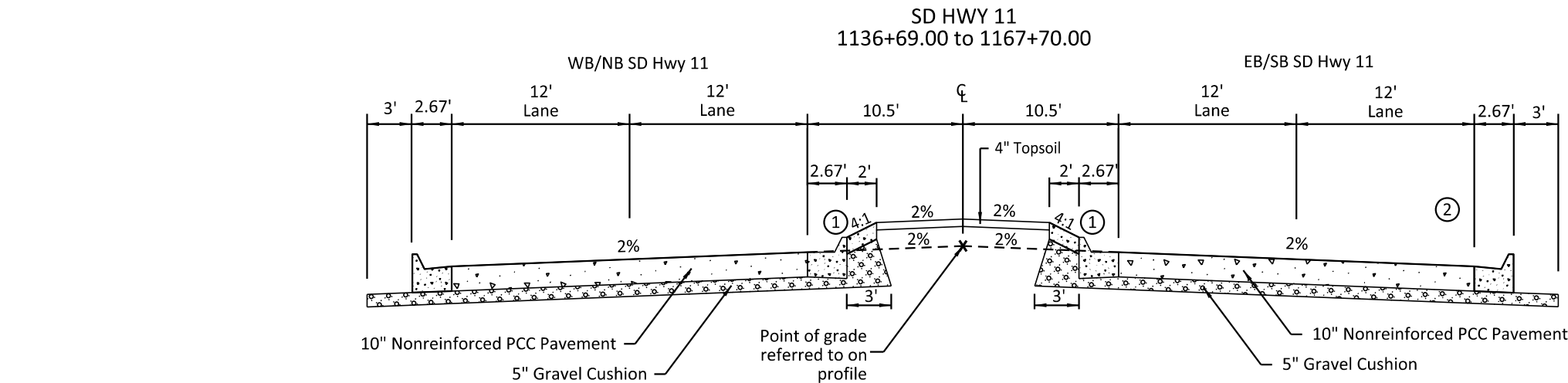
TYPICAL SURFACING SECTIONS

FOR BIDDING PURPOSES ONLY

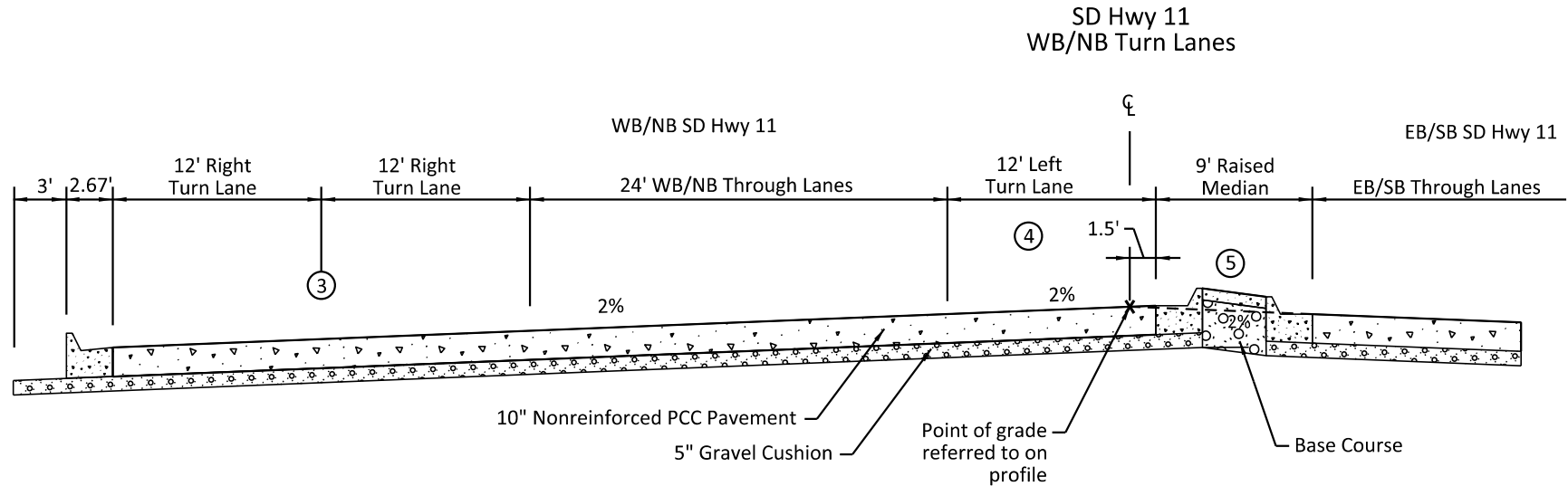
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)		
		F11	F57

FILE: ...F08-F13 (Typ Sec).dgn
PLOT DATE: 08-29-2025

REV DATE:
INITIAL:

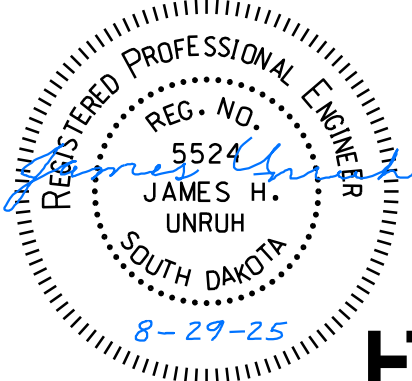
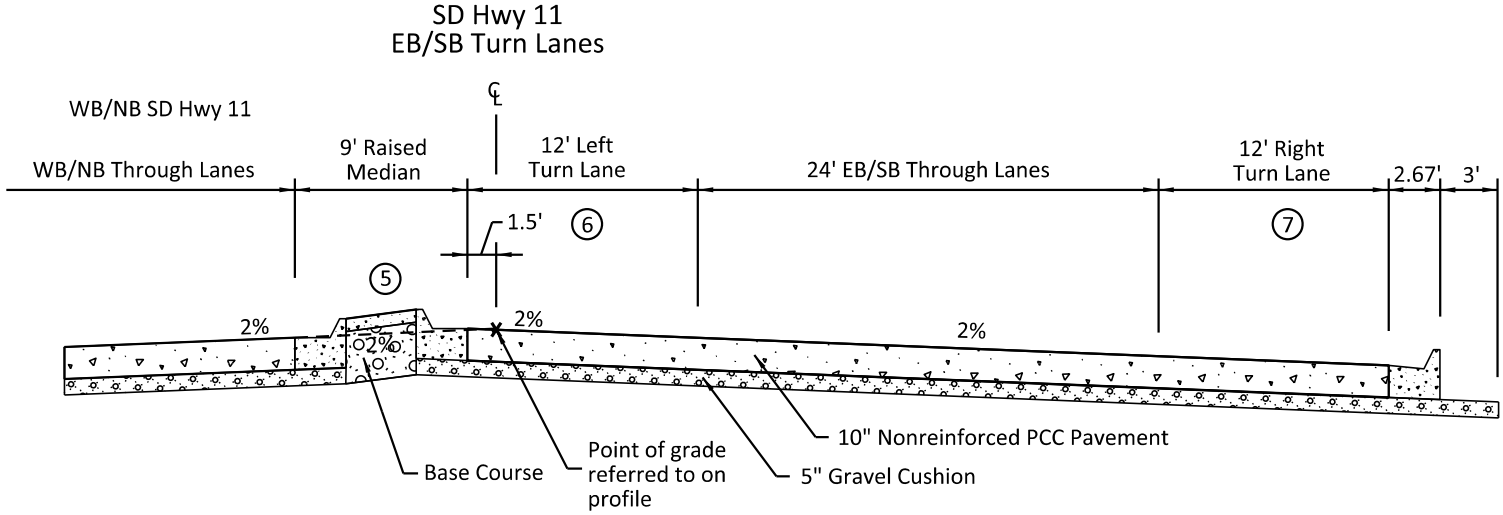


- ① 4" Barrier Type Colored Concrete Median (Splashguard) See Special Surfacing Detail
- ② Lane widening for u-turns
1136+63.34 to 1137+20.14 - 8'
1137+20.14 to 1138+00.32 - 8' to 0'
1147+60.21 to 1148+39.74 - 8'
1148+39.74 to 1149+21.81 - 8' to 0'



- ③ Right turn lanes
1136+71.13 to 1139+50.00 - 24'
1139+50.00 to 1140+70.00 - 24' to 0'
1147+91.61 to 1149+42.82 - 12'
1149+42.82 to 1150+60.59 - 12' to 0'
- ④ Left turn lanes
1136+71.13 to 1139+50.00 - 12'
1139+50.00 to 1140+70.00 - 12' to 0'
1147+91.42 to 1150+00.58 - 12'
1150+00.58 to 1151+20.02 - 12' to 0'
- ⑤ 6" Barrier Type Colored Concrete Median

- ⑥ Left turn lanes
1142+71.35 to 1143+92.00 - 0' to 12'
1143+92.00 to 1146+01.54 - 12'
1163+00.00 to 1164+20.00 - 0' to 20'
(incl. gore area and raised median)
1164+20.00 to 1166+17.11 - 20'
(incl. gore area and raised median)
- ⑦ Right turn lanes
1143+13.69 to 1144+33.69 - 12' to 24'
1144+33.69 to 1146+30.52 - 24'

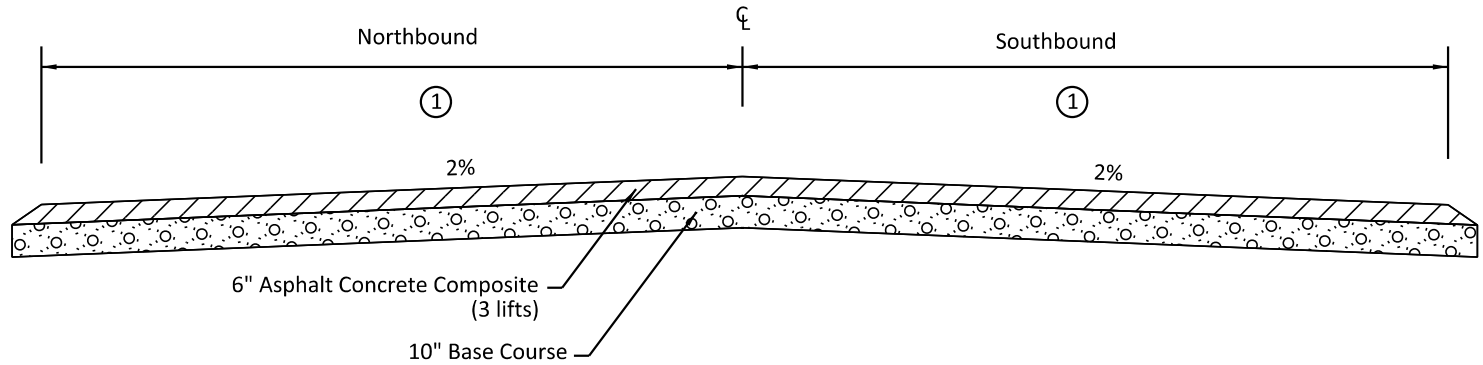


TYPICAL SURFACING SECTIONS

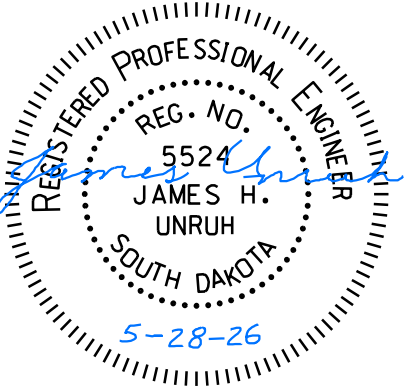
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F12	F57
FILE: ...\\F08-F13 (Typ Sec).dgn PLOT DATE: 05-28-2026		REV DATE: 04-23-2026 INITIAL: JHU	

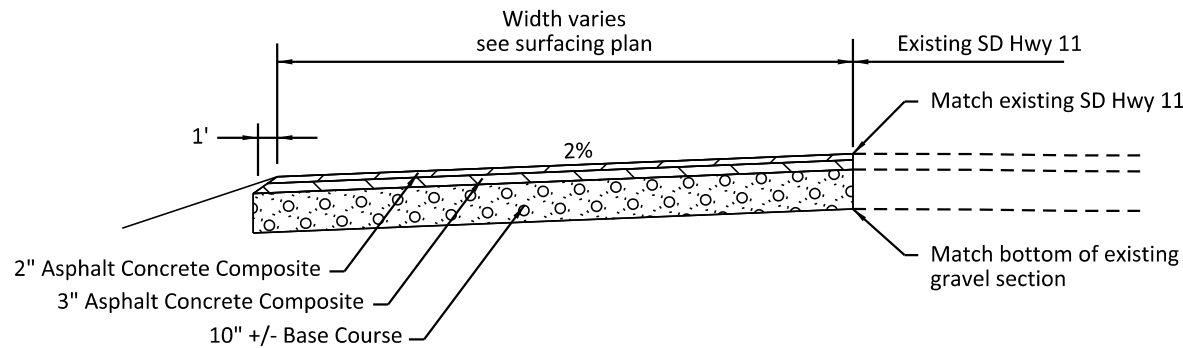
SD Hwy 11 Temporary Transition Section
1167+70.00 to 1169+47.00



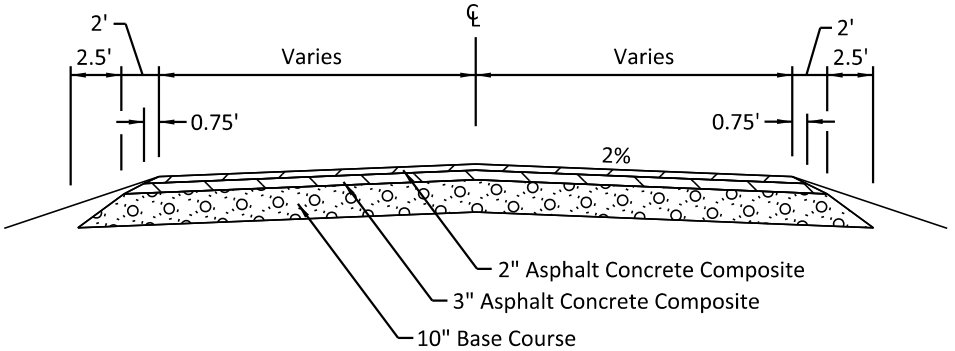
① Tapers from 36.6' at 1167+70 to 14.4' at 1169+47



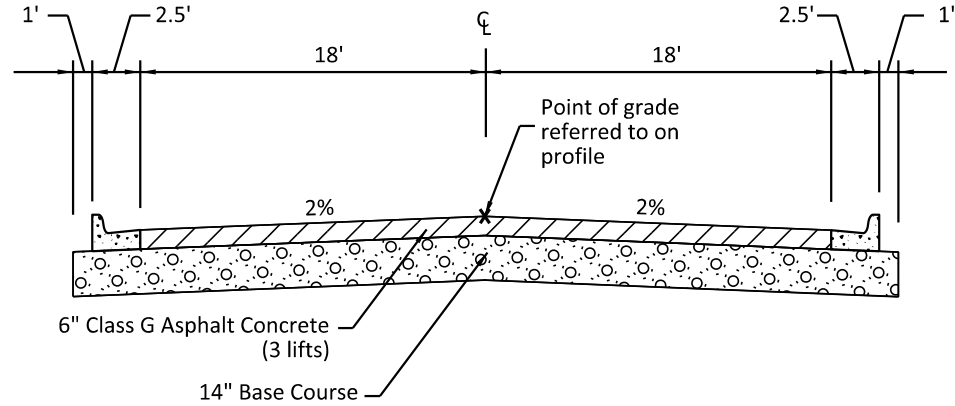
SD Hwy 11 Cul-de-sac (2 locations)
SD Hwy 11 1155+59.88 to 1156+55.76 - 170' Lt
Veterans Parkway 509+26.57 to 510+23.21 - 263' Rt



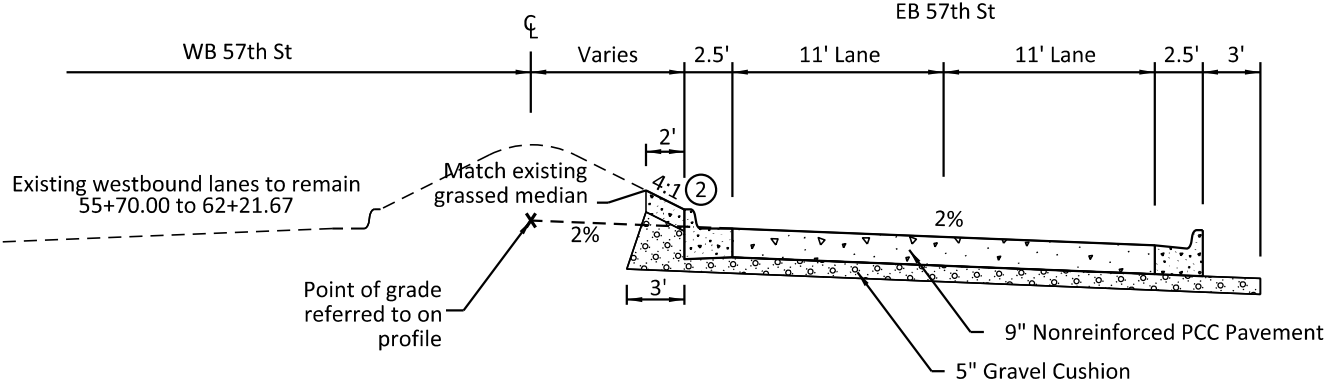
Cody Road Connection
SD Hwy 11 1166+71.74



69th Street / Co. Road 102
900+88.61 to 912+69.05



57th Street
55+70.00 to 60+00.00



② 4" Barrier Type Colored Concrete Median (Splashguard)
See Special Surfacing Detail



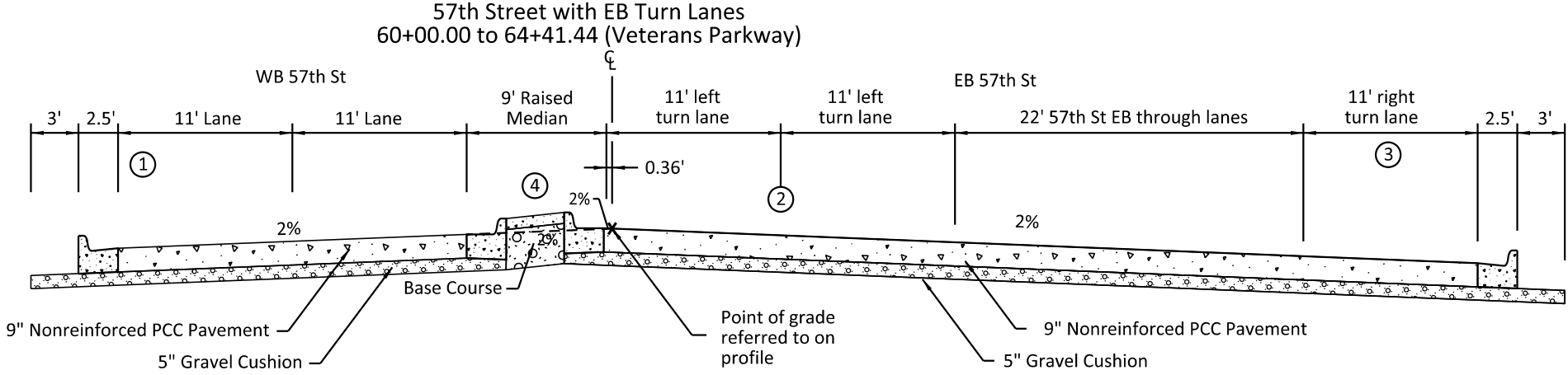
TYPICAL SURFACING SECTIONS

FOR BIDDING PURPOSES ONLY

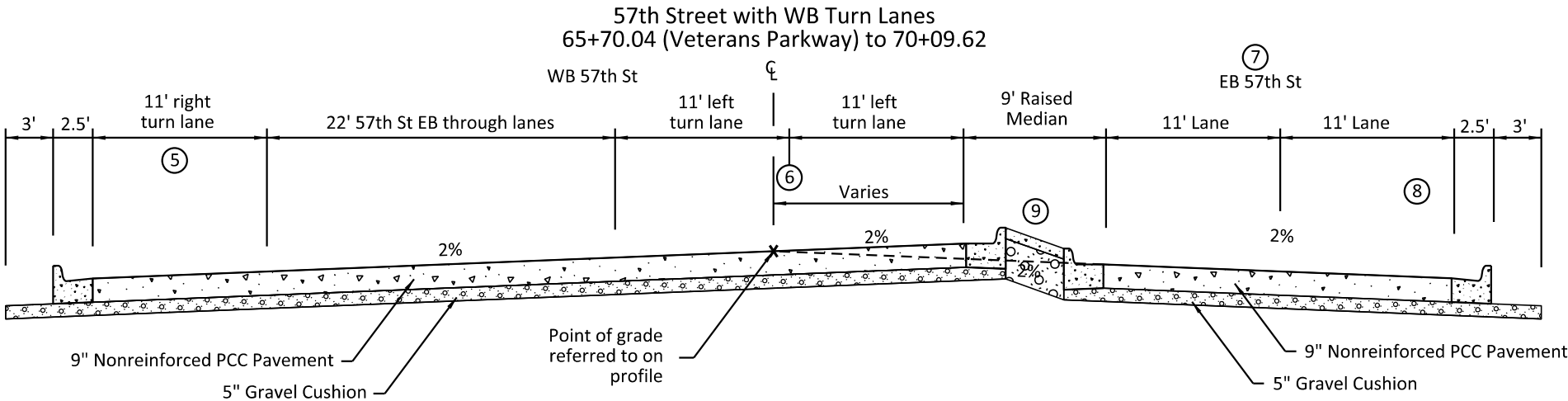
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F13	F57

FILE: ...F08-F13 (Typ Sec).dgn
PLOT DATE: 08-29-2025

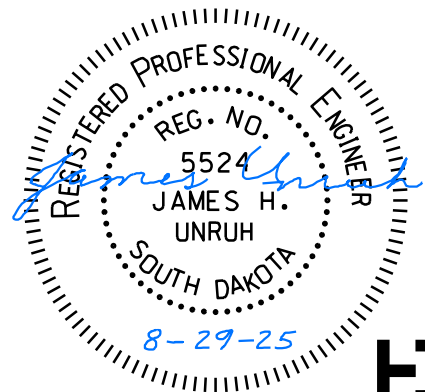
REV DATE:
INITIAL:



- 1 WB lane widening for u-turns
62+21.7 to 63+01.7 - 0' to 8'
63+01.7 to 63+81.7 - 8'
- 2 Left turn lanes
60+00.00 to 61+20.00 - 0' to 24'
61+20.00 to 63+80.09 - 24'
- 3 Right turn lane
61+00.00 to 62+20.00 - 0' to 12'
62+20.00 to 62+80.09 - 12'
- 4 6" Barrier Type
Colored Concrete Median



- 5 Right turn lane
66+32.49 to 68+89.42 - 12'
68+89.42 to 70+09.62 - 12' to 0'
- 6 Left turn lanes
66+32.49 to 68+89.67 - 24'
68+89.67 to 70+09.62 - 24' to 0'
- 7 End eastbound lanes, match existing
69+49.24
- 8 EB lane widening for u-turns
66+31 to 67+11 - 8'
67+11 to 67+91 - 8' to 0'
- 9 6" Barrier Type
Colored Concrete Median

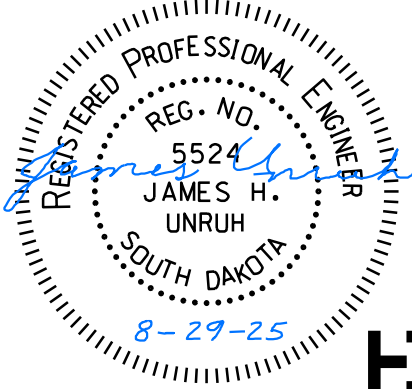
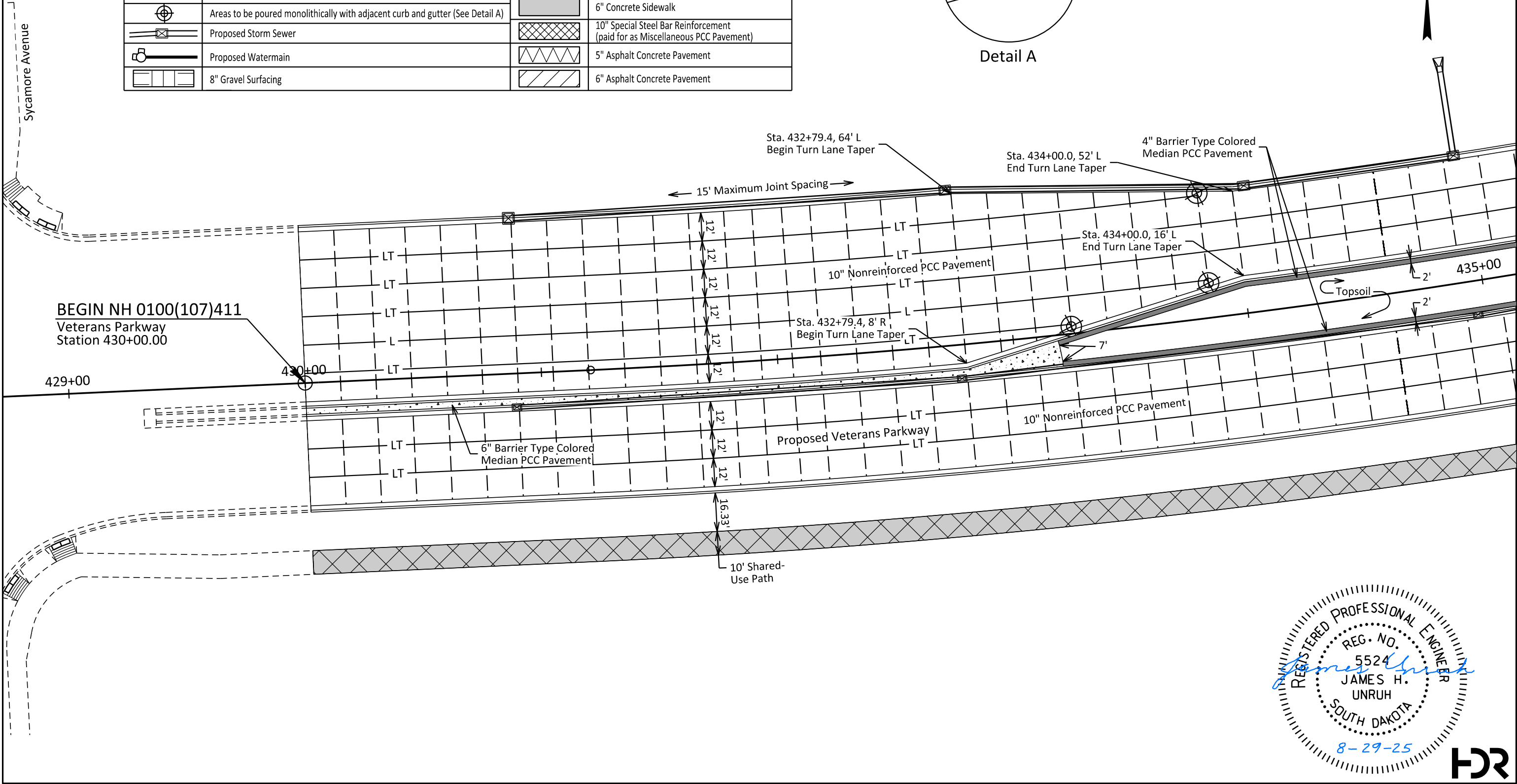
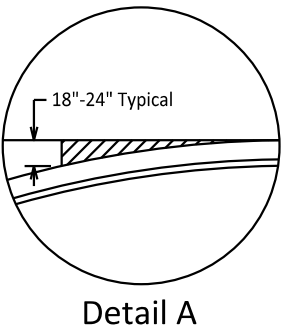


VETERANS PARKWAY

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F14	F57
FILE: ...\\Section F\F14 (420+00).dgn PLOTING DATE: 08-29-2025		REV DATE: INITIAL:	

Surfacing Legend		
— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)	4" Barrier Type Colored Median PCC Pvmt (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)	6" Barrier Type Colored Median PCC Pvmt
- - -	Transverse Contraction Joint	4" Asphalt Shared-Use Path
■ ■ ■ SB ■ ■ ■	Steel Bar Installation in Longitudinal or Transverse Joint	6" Concrete Sidewalk
⊕	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)	10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
⊠	Proposed Storm Sewer	5" Asphalt Concrete Pavement
⊞	Proposed Watermain	6" Asphalt Concrete Pavement
▢ ▢ ▢	8" Gravel Surfacing	



VETERANS PARKWAY

FOR BIDDING PURPOSES ONLY

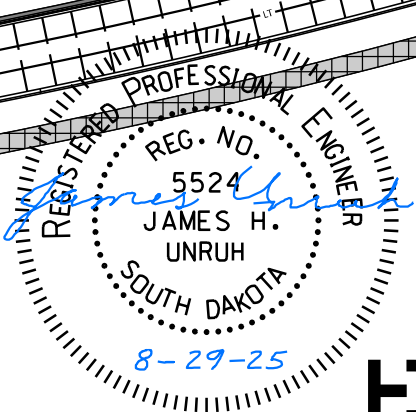
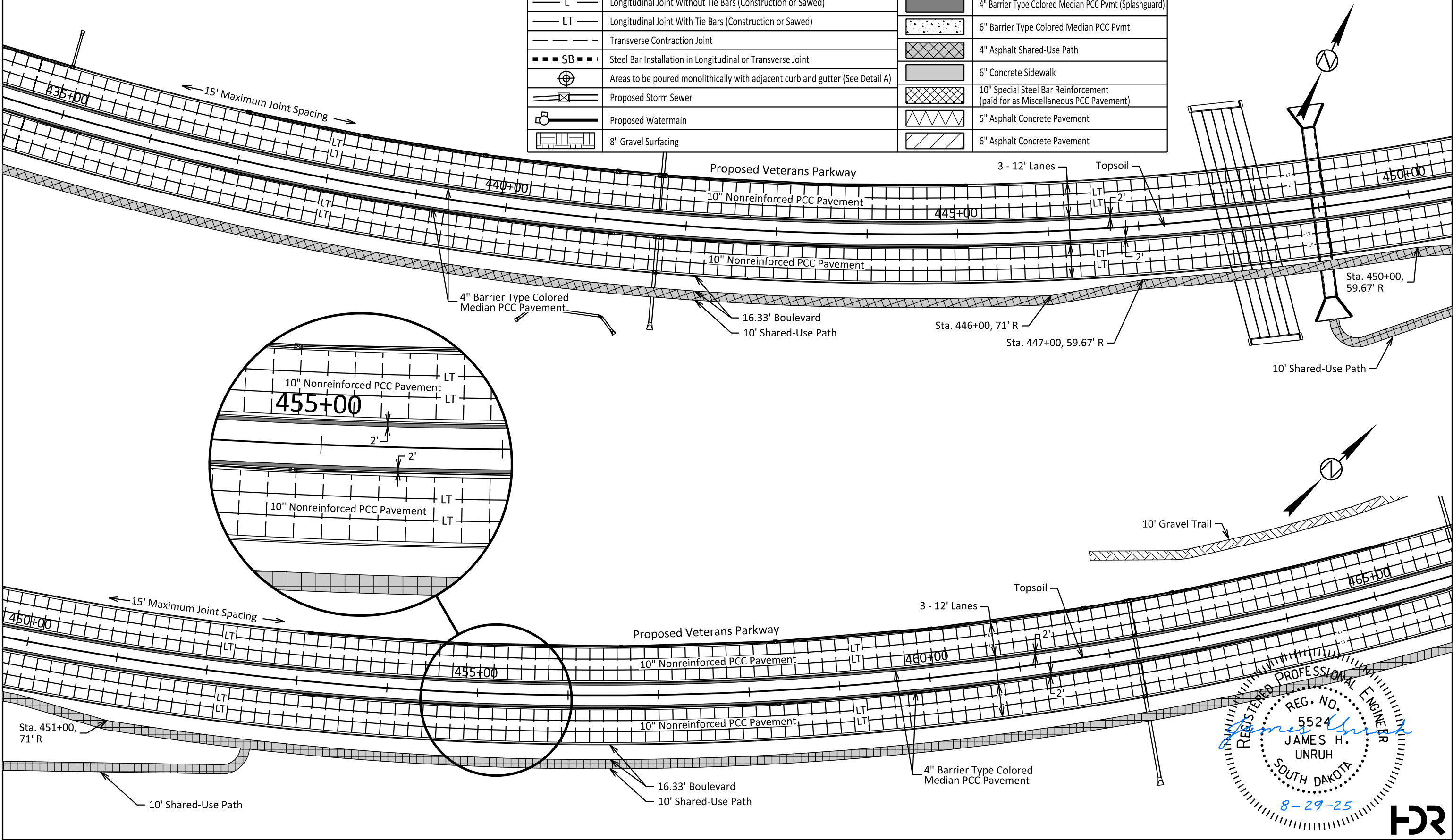
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)		
		F15	F57

FILE: ...\\Section F\\F15 (435+00).dgn
PLOTING DATE: 08-29-2025

REV DATE:
INITIAL:

Surfacing Legend

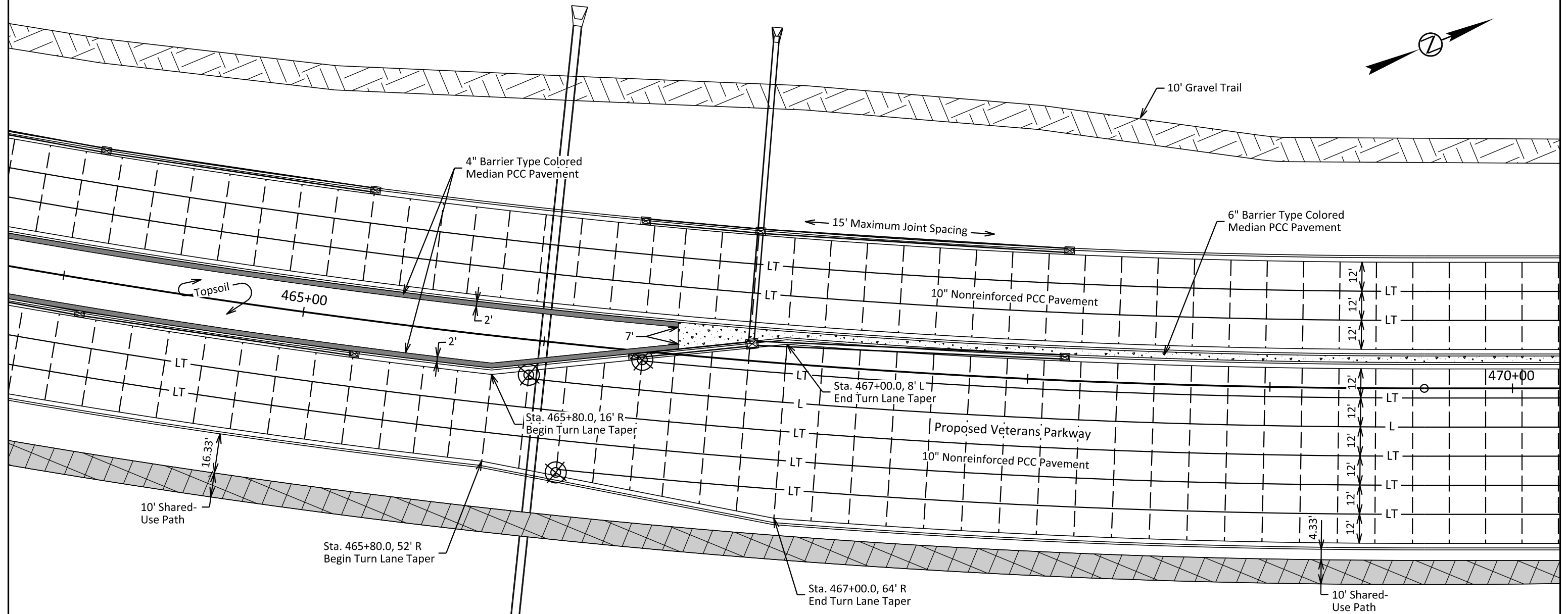
— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvm (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvm
- - - -	Transverse Contraction Joint		4" Asphalt Shared-Use Path
■ ■ ■ ■ SB ■ ■ ■ ■	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



VETERANS PARKWAY

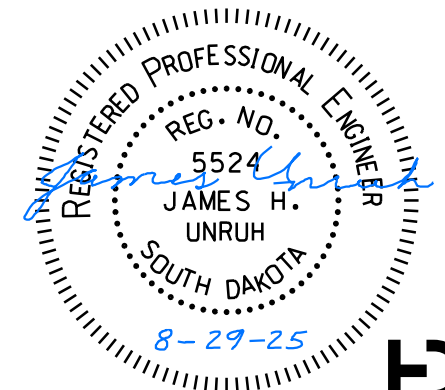
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F16	F57
FILE: ...\\Section F\\F16 (464+00).dgn PLOT DATE: 08-29-2025		REV DATE: INITIAL:	



Surfacing Legend

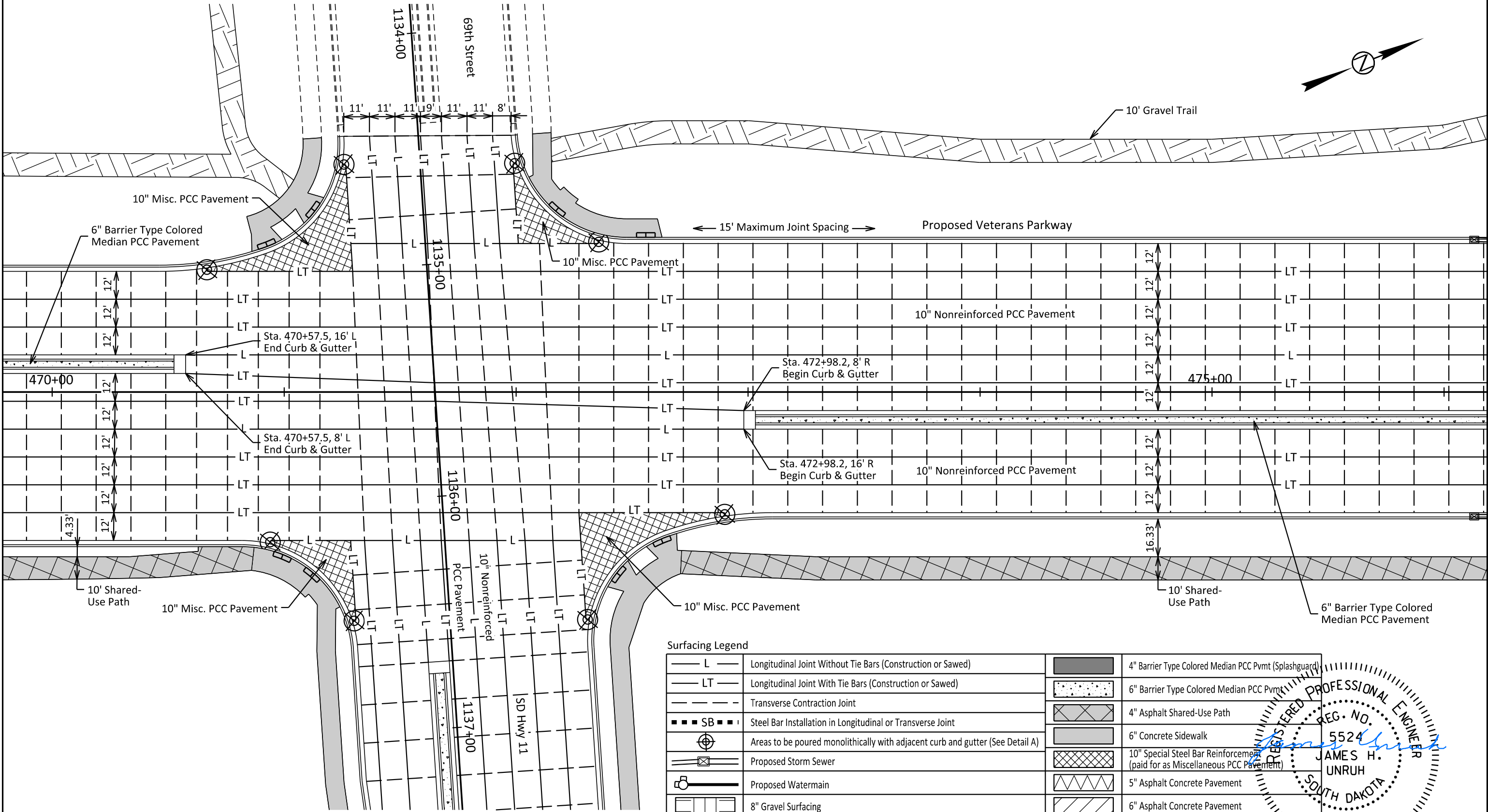
— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmnt (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmnt
- - - -	Transverse Contraction Joint		4" Asphalt Shared-Use Path
■ ■ ■ SB ■ ■ ■	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



VETERANS PARKWAY

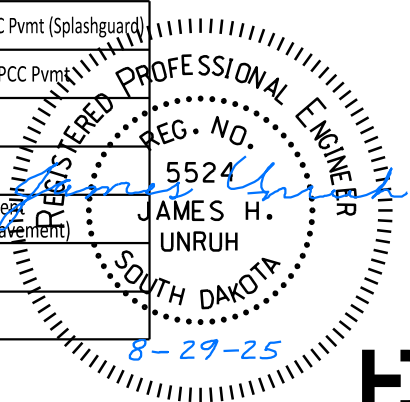
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F17	F57
FILE: ...\\Section F\\F17 (470+00).dgn PLOTING DATE: 08-29-2025		REV DATE: INITIAL:	



Surfacing Legend

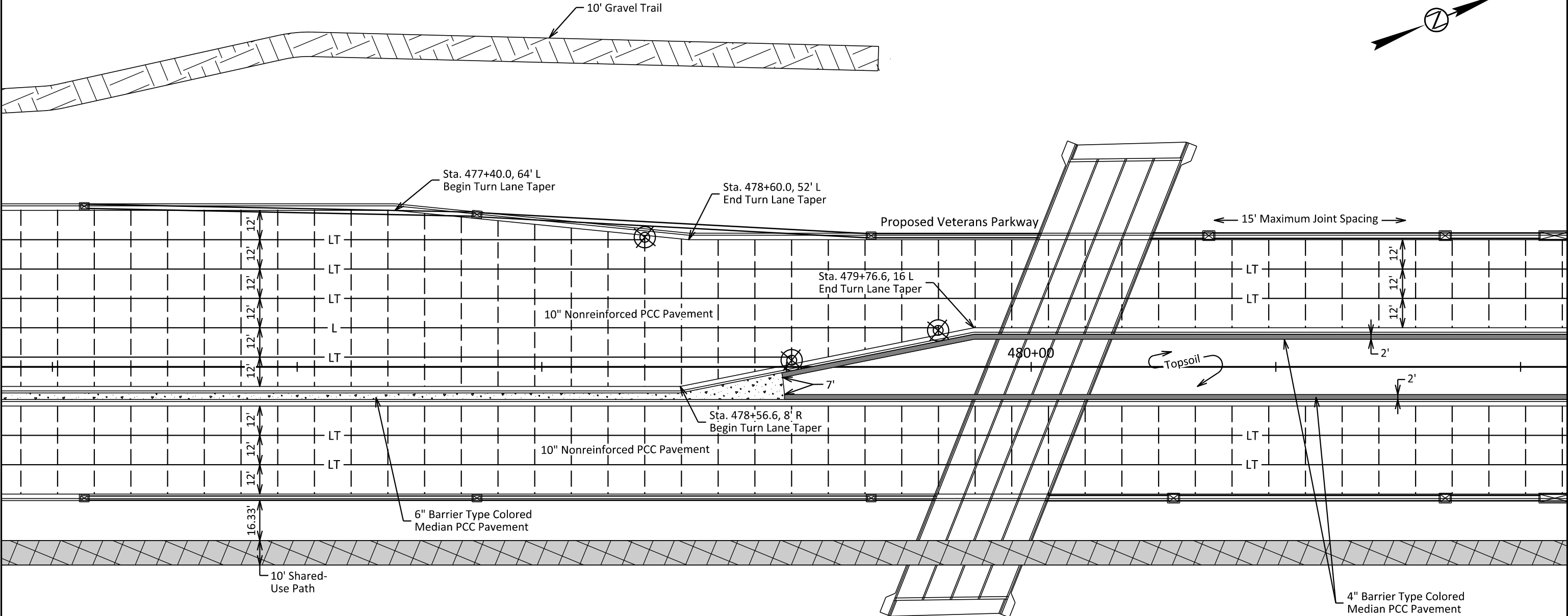
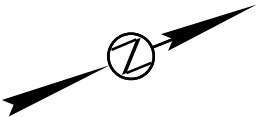
	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvm (Splashguard)
	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvm
	Transverse Contraction Joint		4" Asphalt Shared-Use Path
	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



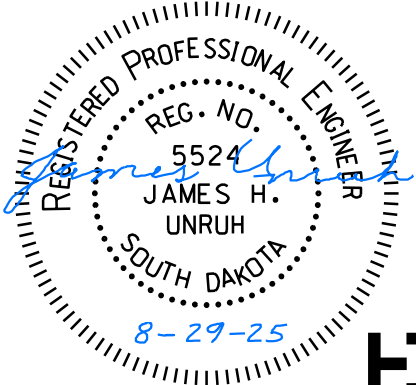
VETERANS PARKWAY

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F18	F57
FILE: ...\\Section F\\F18 (476+00).dgn PLOTING DATE: 08-29-2025		REV DATE: INITIAL:	



Surfacing Legend			
— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmnt (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmnt
— — —	Transverse Contraction Joint		4" Asphalt Shared-Use Path
■ ■ ■ SB ■ ■ ■	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



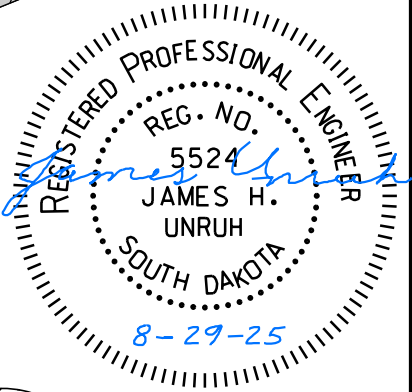
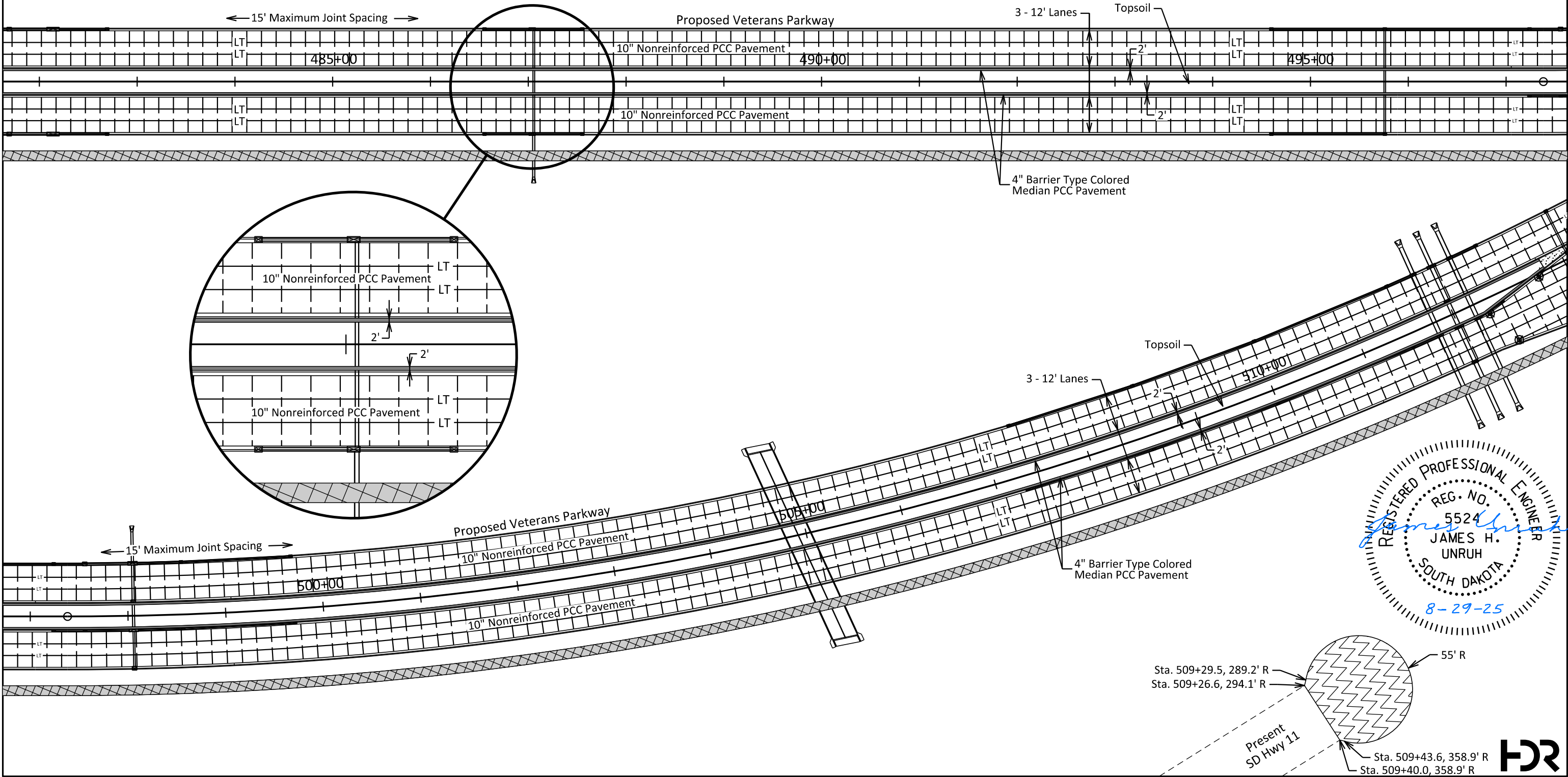
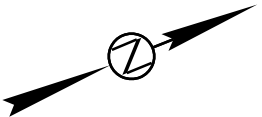
VETERANS PARKWAY

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
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		F19	F57

FILE: ...\\Section F\\F19 (482+00).dgn
PLOTING DATE: 08-29-2025

REV DATE:
INITIAL:



VETERANS PARKWAY

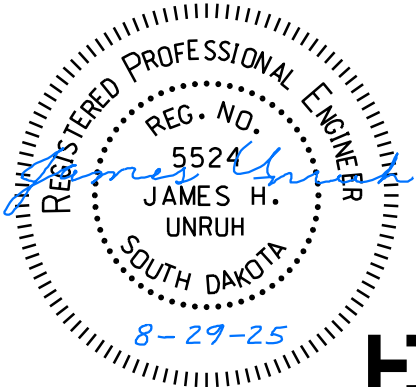
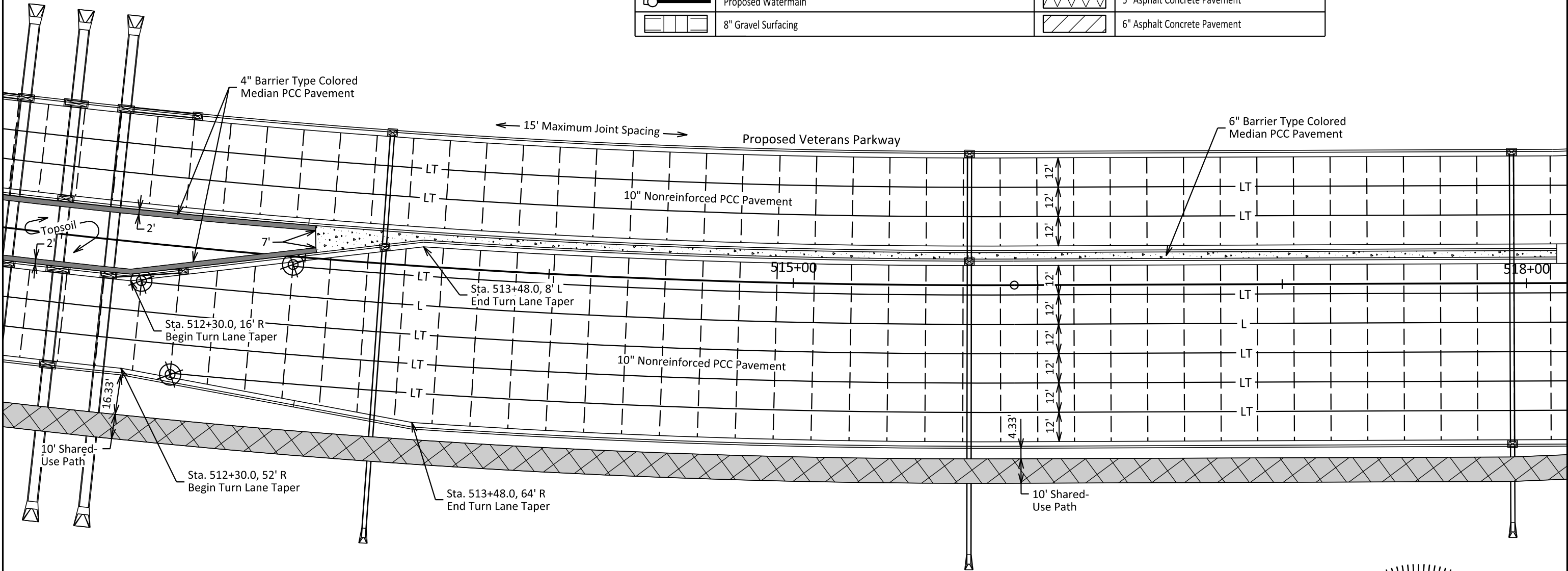
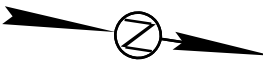
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
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PLOTING DATE: 08-29-2025
REV DATE:
INITIAL:

Surfacing Legend

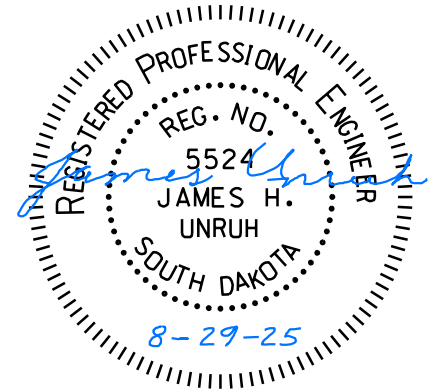
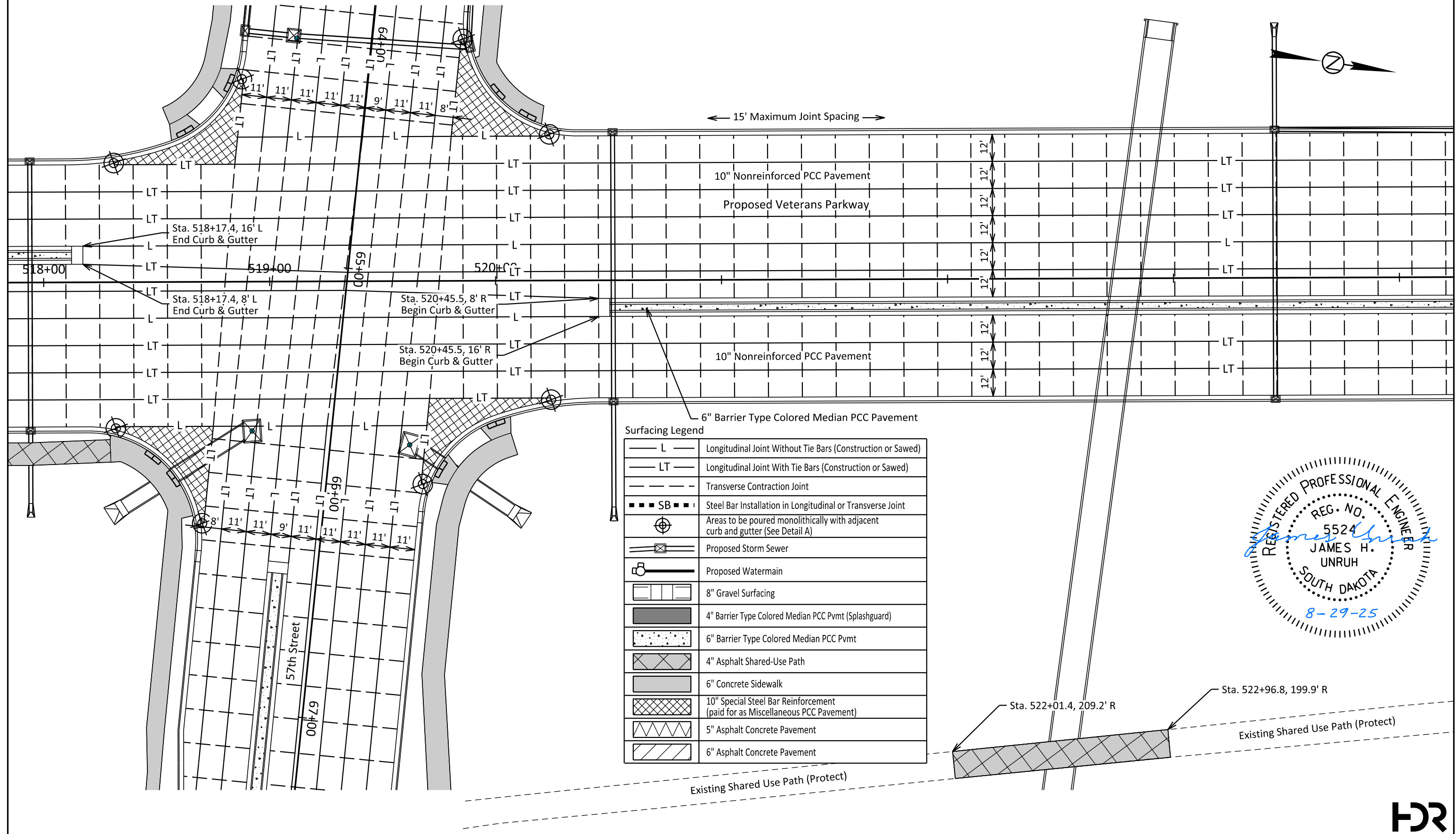
— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmt (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmt
- - - -	Transverse Contraction Joint		4" Asphalt Shared-Use Path
■ ■ ■ SB ■ ■ ■	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
⊕	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
— [Symbol] —	Proposed Storm Sewer		5" Asphalt Concrete Pavement
— [Symbol] —	Proposed Watermain		6" Asphalt Concrete Pavement
[Symbol]	8" Gravel Surfacing		



VETERANS PARKWAY

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)		
FILE: ...\\Section F\F21 (518+00).dgn PLOT DATE: 08-29-2025		F21	F57
		REV DATE: INITIAL:	



VETERANS PARKWAY

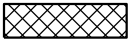
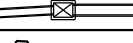
FOR BIDDING PURPOSES ONLY

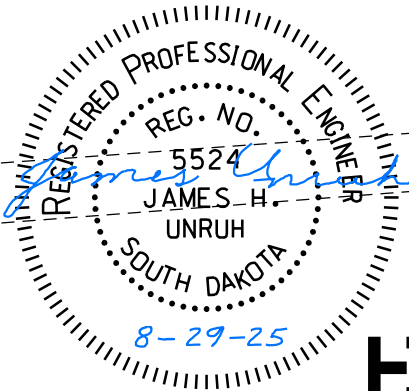
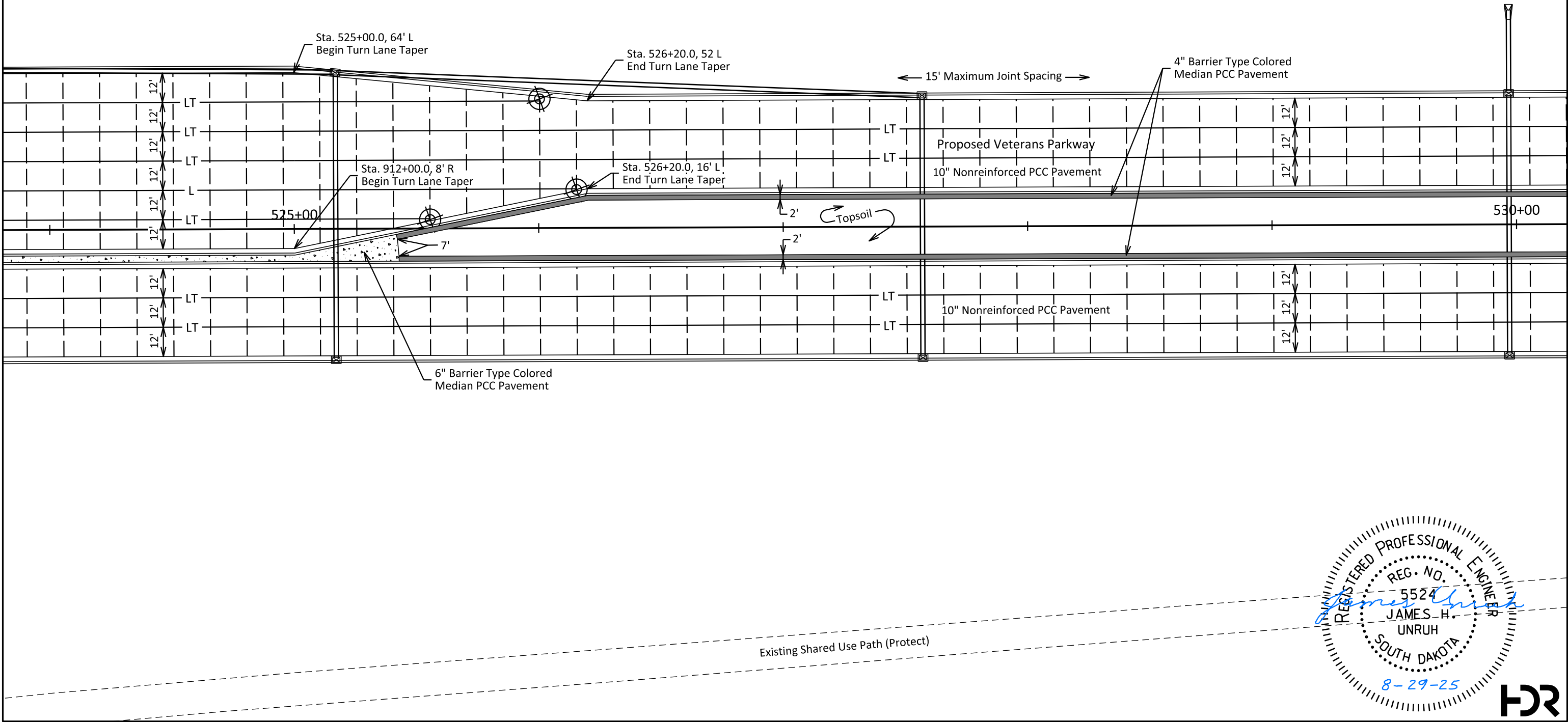
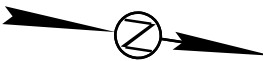
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
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PLOTING DATE: 08-29-2025

REV DATE:
INITIAL:

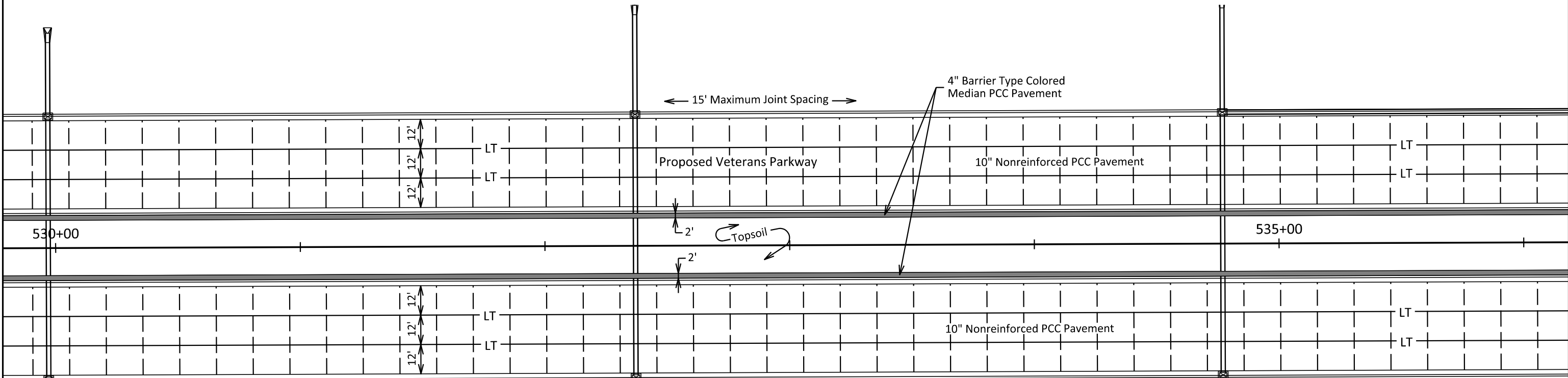
Surfacing Legend

— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmt (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmt
- - -	Transverse Contraction Joint		4" Asphalt Shared-Use Path
■ ■ ■ SB ■ ■ ■	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		

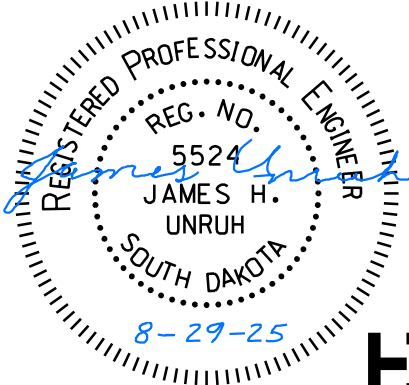


FOR BIDDING PURPOSES ONLY

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PLOTING DATE: 08-29-2025



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	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pavmt
	Transverse Contraction Joint		4" Asphalt Shared-Use Path
	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



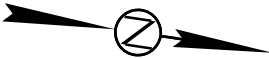
VETERANS PARKWAY

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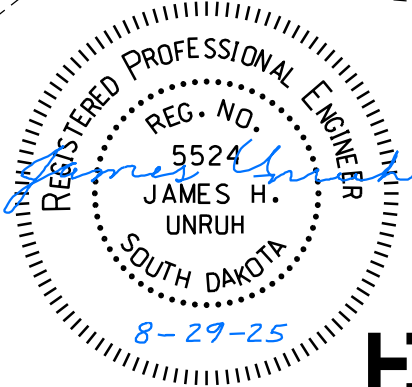
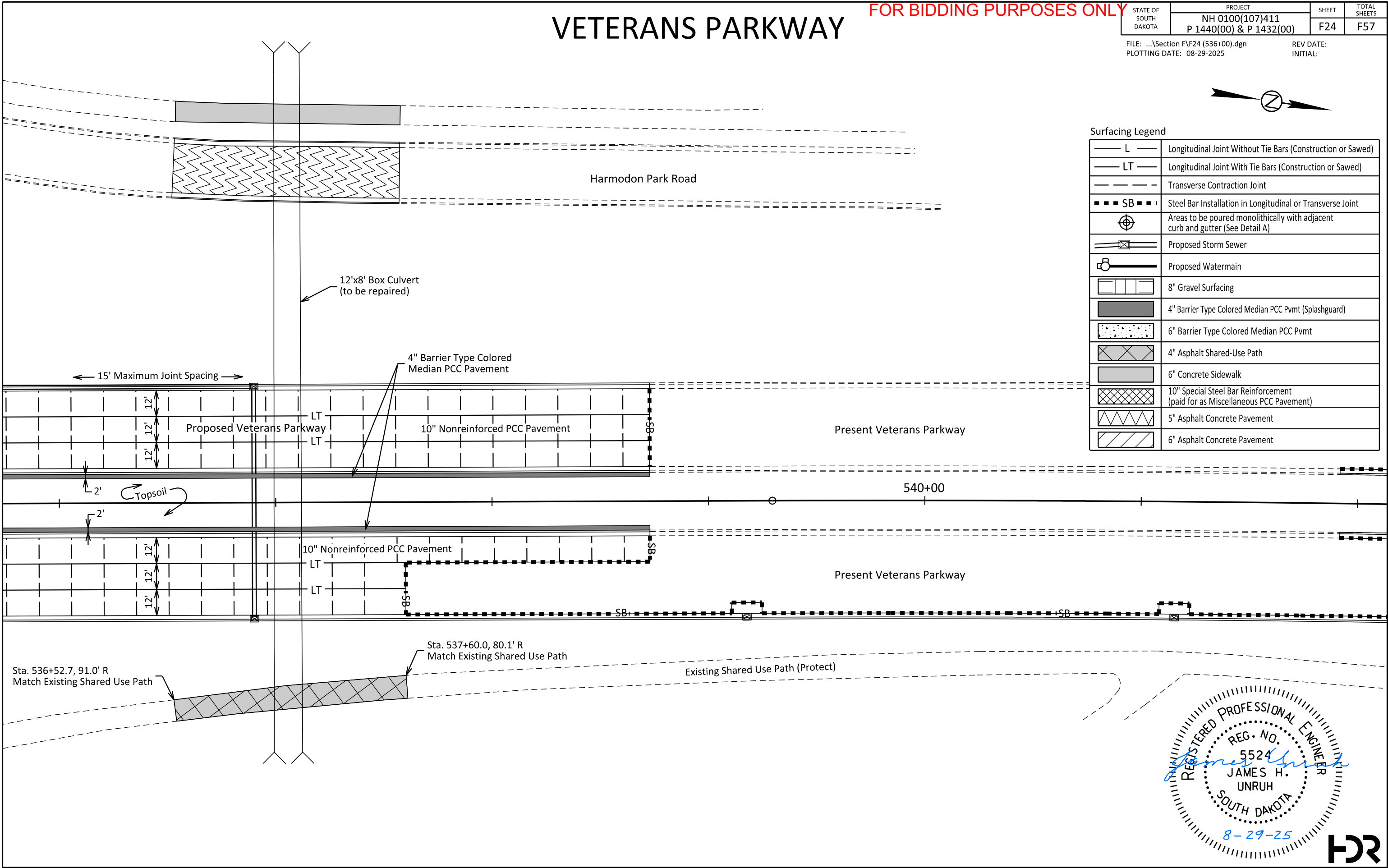
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F24	F57

FILE: ...\\Section F\F24 (536+00).dgn
PLOTING DATE: 08-29-2025

REV DATE:
INITIAL:



Surfacing Legend	
	Longitudinal Joint Without Tie Bars (Construction or Sawed)
	Longitudinal Joint With Tie Bars (Construction or Sawed)
	Transverse Contraction Joint
	Steel Bar Installation in Longitudinal or Transverse Joint
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)
	Proposed Storm Sewer
	Proposed Watermain
	8" Gravel Surfacing
	4" Barrier Type Colored Median PCC Pvmt (Splashguard)
	6" Barrier Type Colored Median PCC Pvmt
	4" Asphalt Shared-Use Path
	6" Concrete Sidewalk
	10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	5" Asphalt Concrete Pavement
	6" Asphalt Concrete Pavement



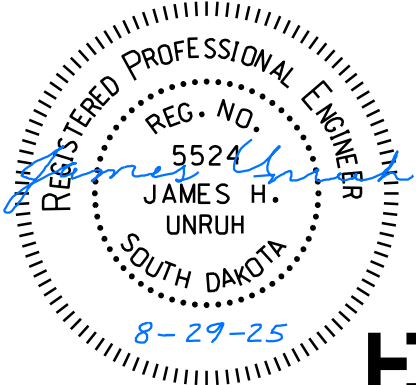
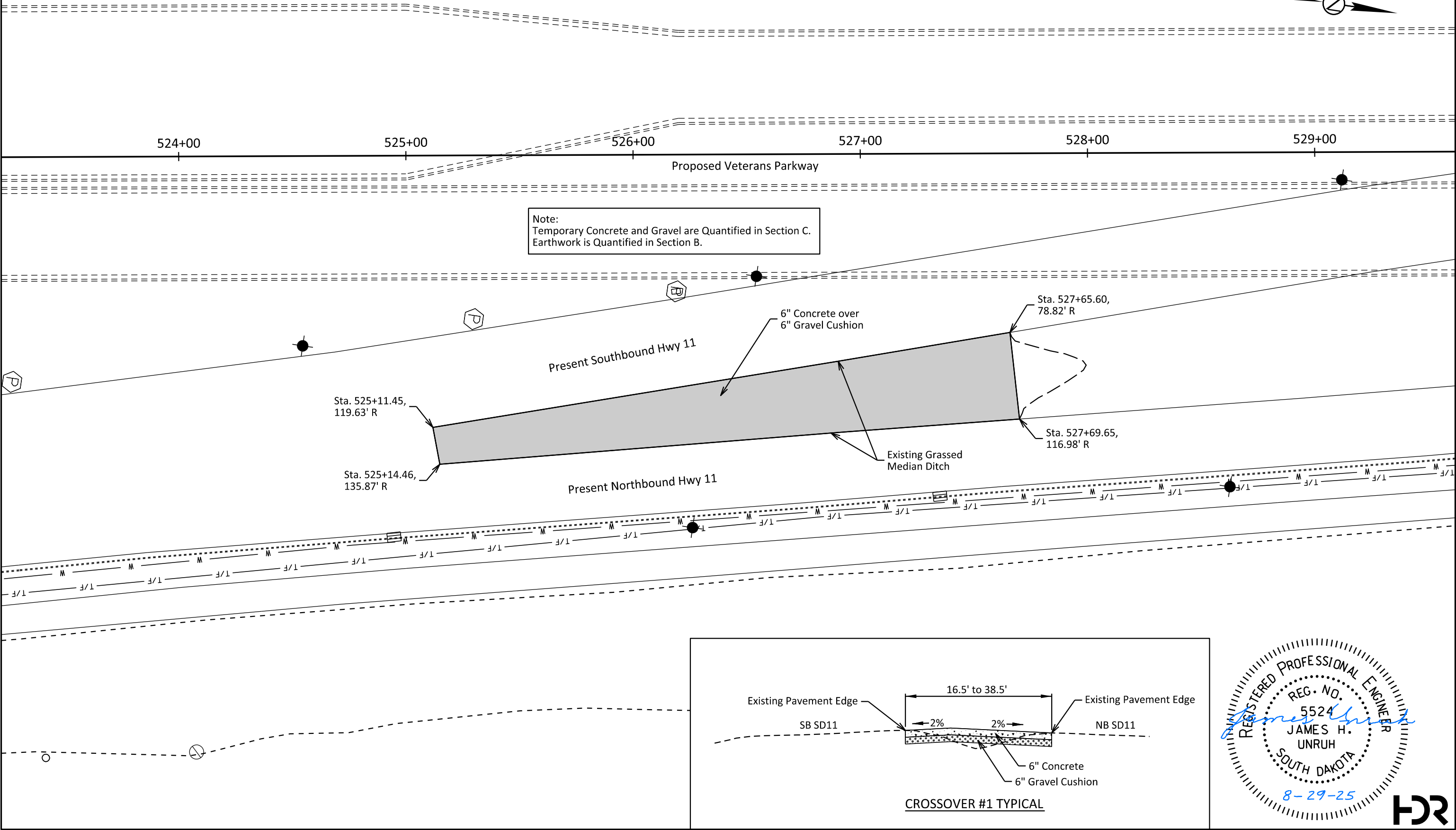
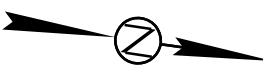
VETERANS PARKWAY CROSSOVER #1

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET F25	TOTAL SHEETS F57
	NH 0100(107)411 P 1440(00) & P 1432(00)		

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PLOTING DATE: 08-29-2025

REV DATE:
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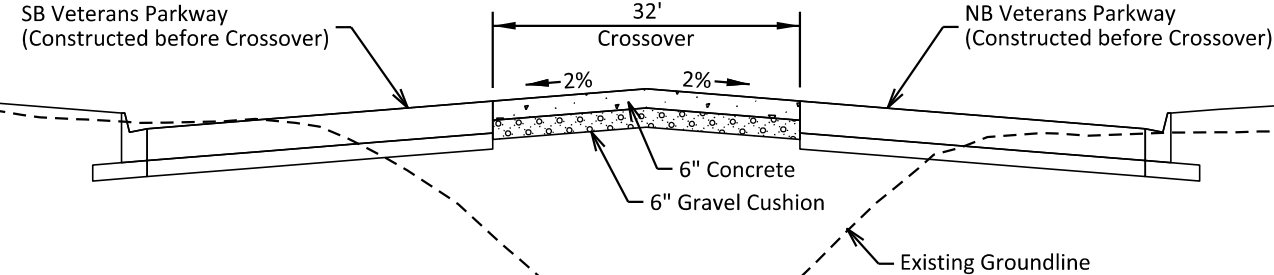
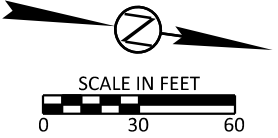
VETERANS PARKWAY CROSSOVER #2

FOR BIDDING PURPOSES ONLY

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	NH 0100(107)411 P 1440(00) & P 1432(00)	F26	F57

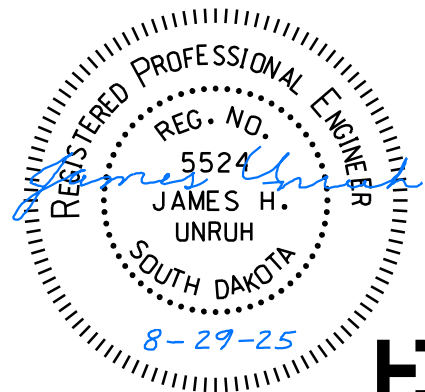
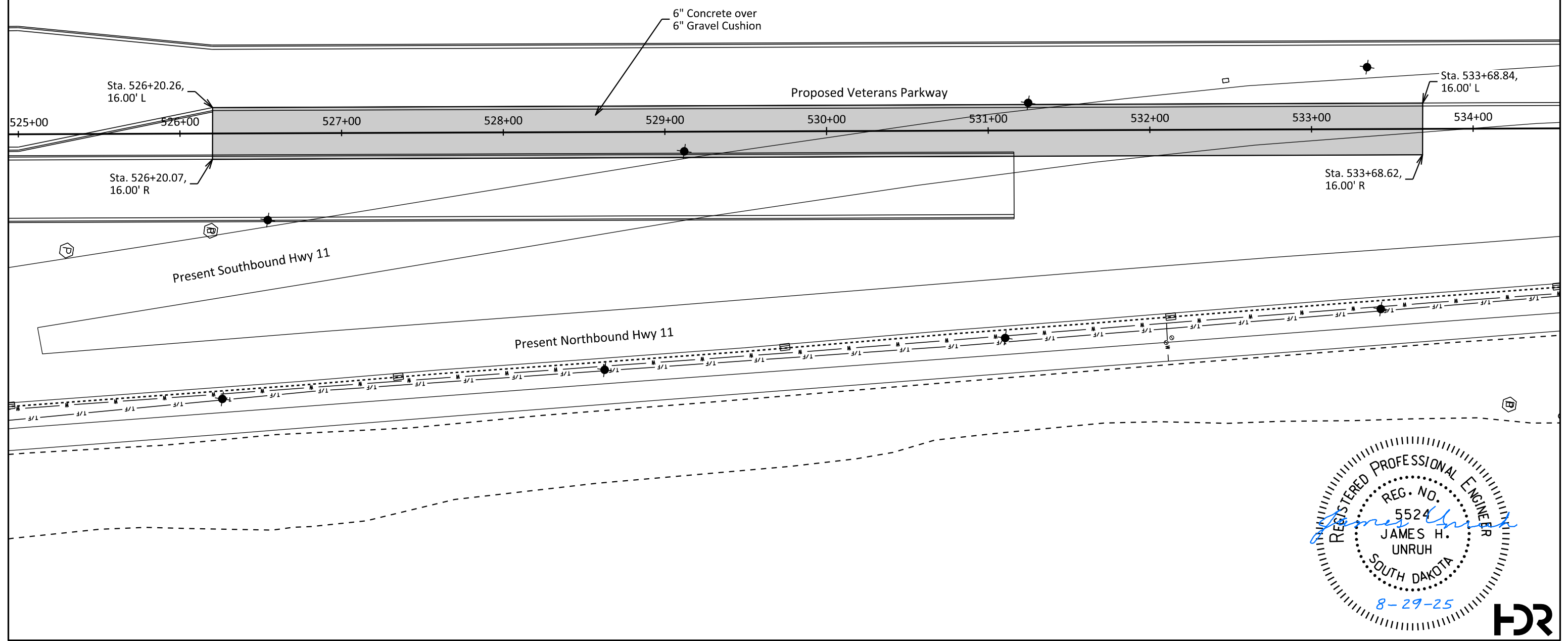
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PLOTING DATE: 08-29-2025

REV DATE:
INITIAL:



CROSSOVER #2 TYPICAL

Note:
Temporary Concrete and Gravel are Quantified in Section C.



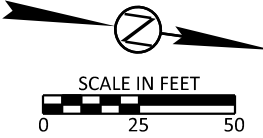
VETERANS PARKWAY CROSSOVER #3

FOR BIDDING PURPOSES ONLY

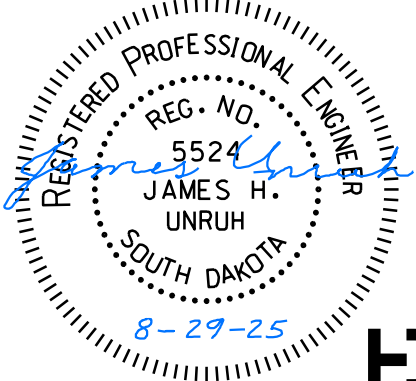
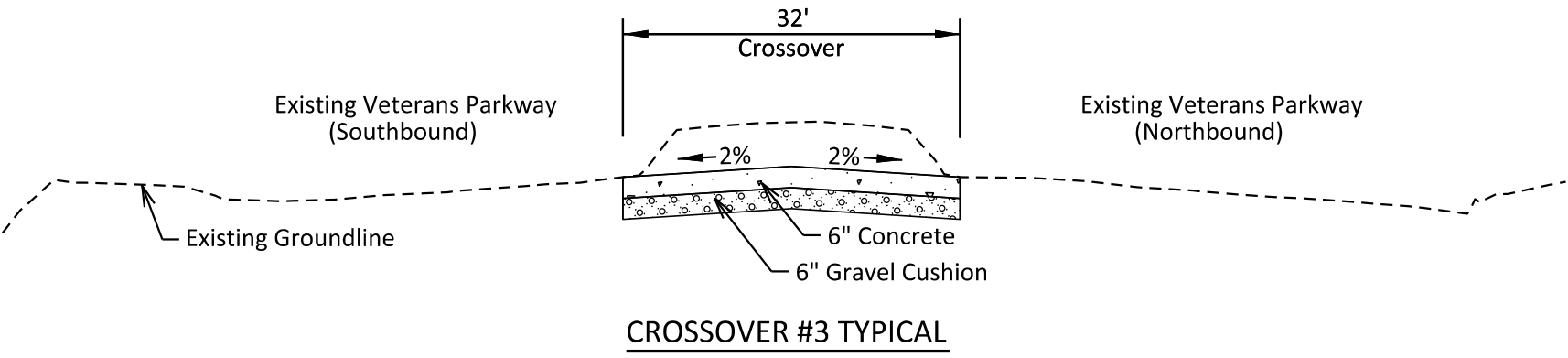
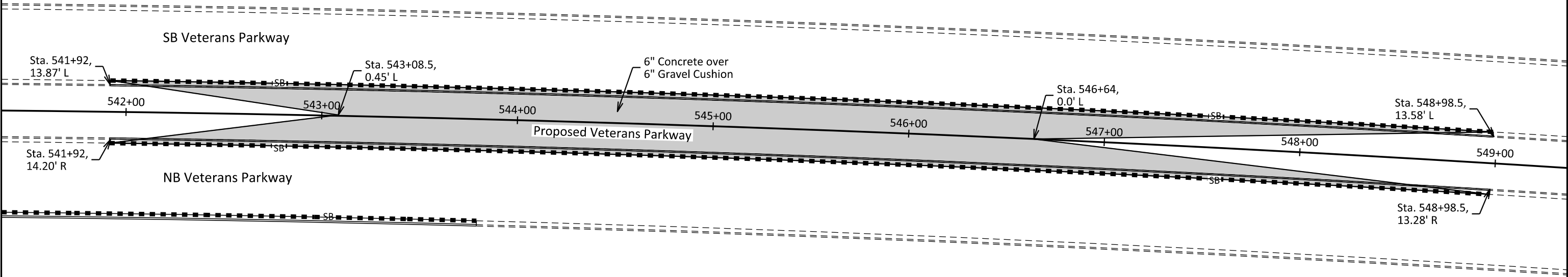
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F27	F57

FILE: ...\\F27 (crossover 3).dgn
PLOTING DATE: 08-29-2025

REV DATE:
INITIAL:



Note:
Temporary Concrete and Gravel are Quantified in Section C.
Earthwork and Curb & Gutter are Quantified in Section B.



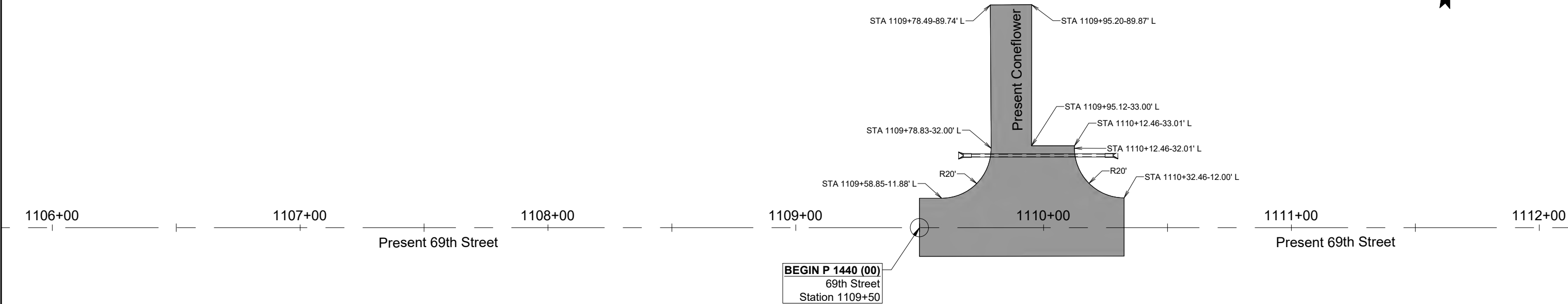
69TH STREET

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1441(00) & P 1432(00)	F28	F57

FILE: PLAN_SURFACING_CIP 8.9
PLOT DATE: 8/29/2025

REV DATE:
INITIAL:



Surfacing Legend

— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pavement (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)		4" Asphalt Shared-Use Path
— — —	Transverse Contraction Joint		6" Concrete Bike Path / Sidewalk / Driveway Approach
— SB —	Steel Bar Installation in Longitudinal or Transverse Joint		6" Gravel approach or trail
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		Drilled in No. 9 X 18" epoxy coated deformed tie bar spaced 18" center to center
	Asphalt Concrete Pavement		Proposed Storm Sewer
	6" Barrier Type Colored Median PCC Pavement		



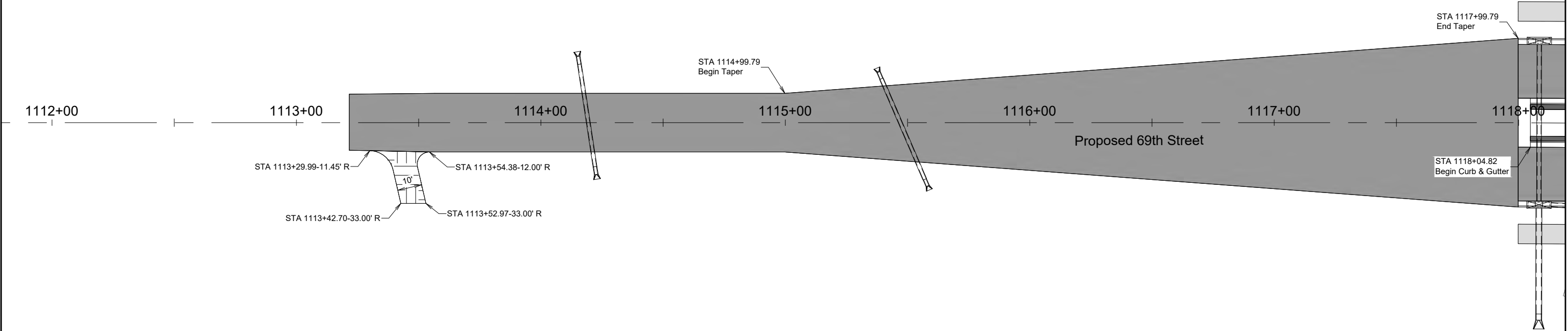
69TH STREET

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1441(00) & P 1432(00)	F29	F57

FILE: PLAN_SURFACING_CIP 8.9
PLOT DATE: 8/29/2025

REV DATE:
INITIAL:



Surfacing Legend

—— L ——	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pavement (Splashguard)
—— LT ——	Longitudinal Joint With Tie Bars (Construction or Sawed)		4" Asphalt Shared-Use Path
—— ———	Transverse Contraction Joint		6" Concrete Bike Path / Sidewalk / Driveway Approach
—— SB ——	Steel Bar Installation in Longitudinal or Transverse Joint		6" Gravel approach or trail
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		Drilled in No. 9 X 18" epoxy coated deformed tie bar spaced 18" center to center
	Asphalt Concrete Pavement		Proposed Storm Sewer
	6" Barrier Type Colored Median PCC Pavement		



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PLOT DATE: 8/29/2025 2:10 PM Burman, Heather

69TH STREET

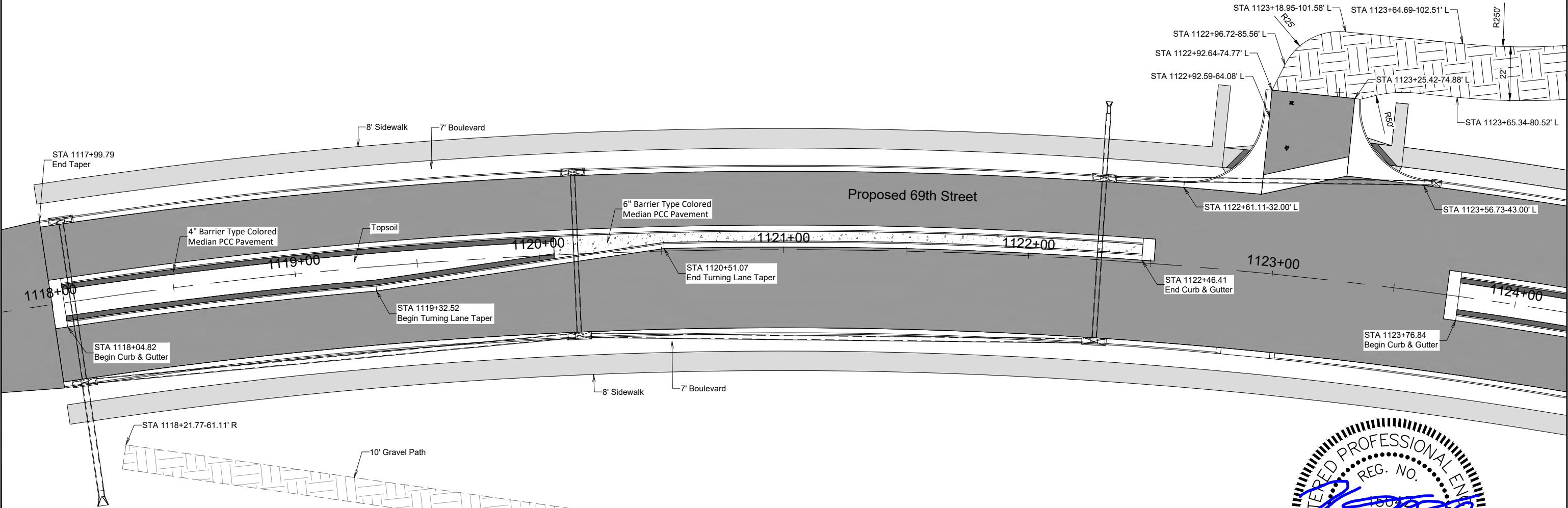
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
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FILE: PLAN_SURFACING_CIP 8.9
PLOT DATE: 8/29/2025

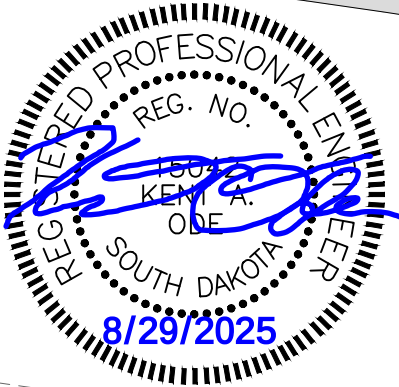
REV DATE:
INITIAL:

Proposed
Huntwood Avenue



Surfacing Legend

— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pavement (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)		4" Asphalt Shared-Use Path
— — —	Transverse Contraction Joint		6" Concrete Bike Path / Sidewalk / Driveway Approach
— SB —	Steel Bar Installation in Longitudinal or Transverse Joint		6" Gravel approach or trail
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		Drilled in No. 9 X 18" epoxy coated deformed tie bar spaced 18" center to center
	Asphalt Concrete Pavement		Proposed Storm Sewer
	6" Barrier Type Colored Median PCC Pavement		



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PLOT DATE: 8/29/2025 2:10 PM Burman, Heather

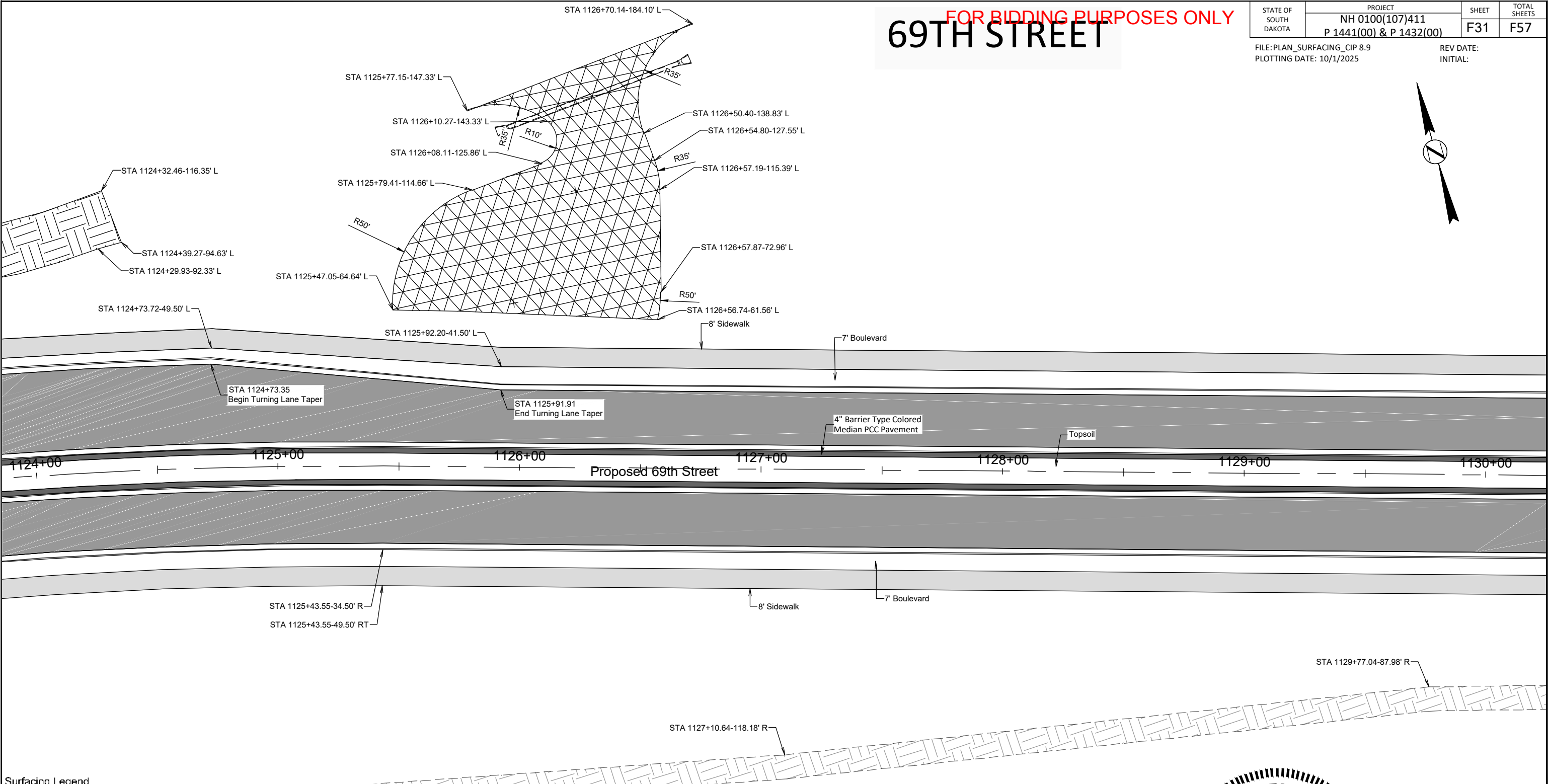
FOR BIDDING PURPOSES ONLY

69TH STREET

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
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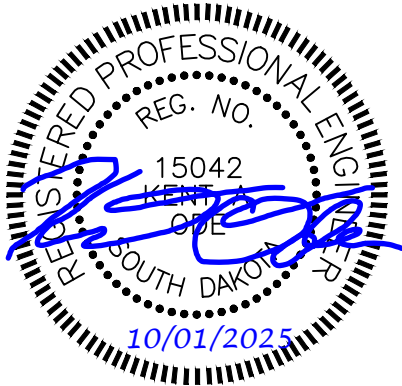
FILE:PLAN_SURFACING_CIP 8.9
PLOT DATE: 10/1/2025

REV DATE:
INITIAL:



Surfacing Legend

— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pavement (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)		4" Asphalt Shared-Use Path
— — —	Transverse Contraction Joint		6" Concrete Bike Path / Sidewalk / Driveway Approach
— SB —	Steel Bar Installation in Longitudinal or Transverse Joint		6" Gravel approach or trail
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		Drilled in No. 9 X 18" epoxy coated deformed lie bar spaced 18" center to center
	Asphalt Concrete Pavement		Proposed Storm Sewer
	6" Barrier Type Colored Median PCC Pavement		12" Gravel turnaround



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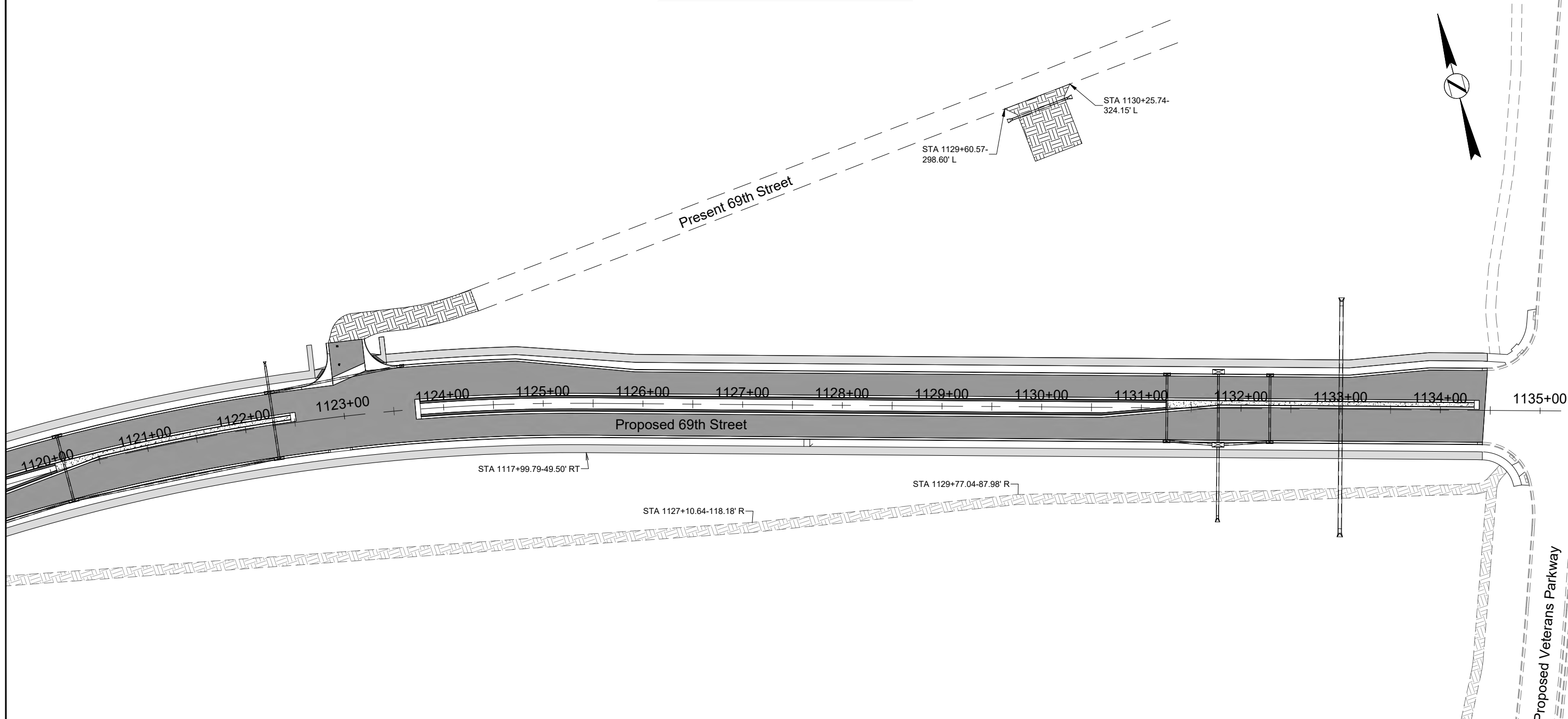
69TH STREET

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1441(00) & P 1432(00)	F32	F57

FILE: PLAN_SURFACING_CIP 8.9
PLOT DATE: 8/29/2025

REV DATE:
INITIAL:



Surfacing Legend

— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pavement (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)		4" Asphalt Shared-Use Path
— — —	Transverse Contraction Joint		6" Concrete Bike Path / Sidewalk / Driveway Approach
— SB —	Steel Bar Installation in Longitudinal or Transverse Joint		6" Gravel approach or trail
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)	—	Drilled in No. 9 X 18" epoxy coated deformed tie bar spaced 18" center to center
	Asphalt Concrete Pavement		Proposed Storm Sewer
	6" Barrier Type Colored Median PCC Pavement		



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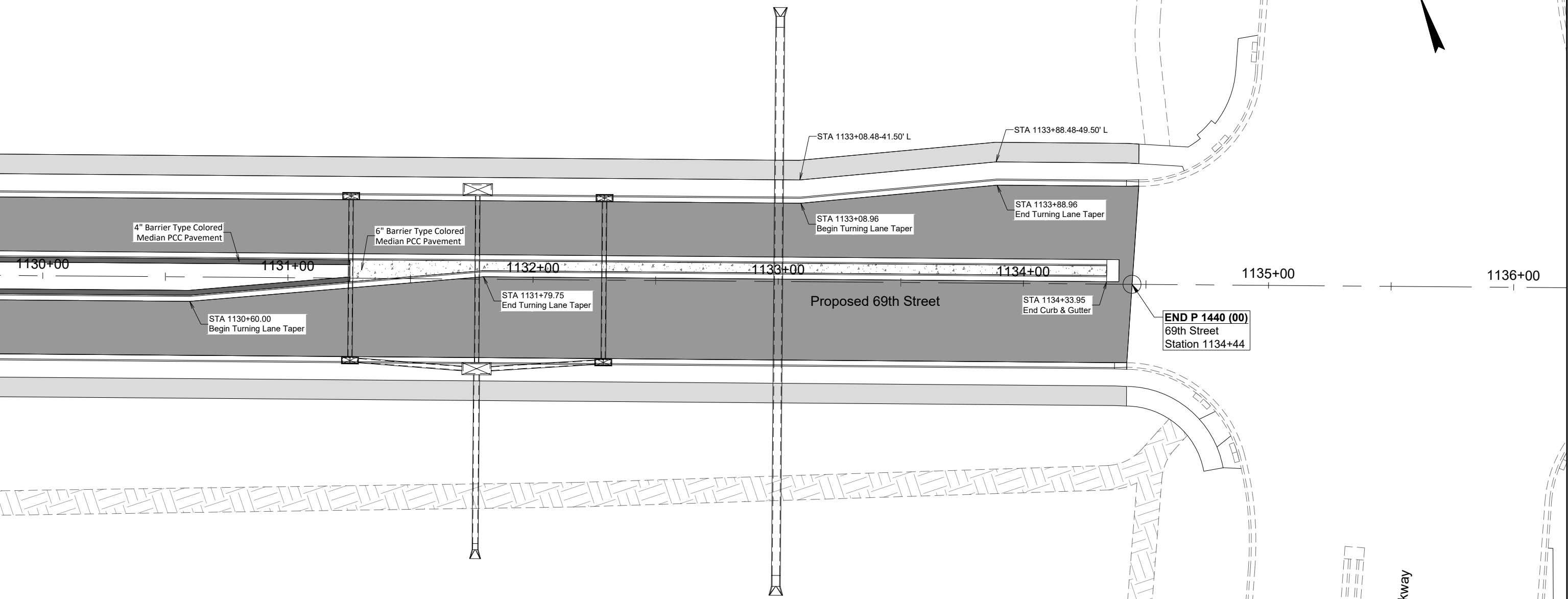
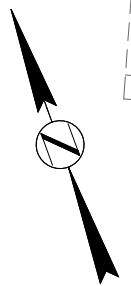
69TH STREET

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1441(00) & P 1432(00)	F33	F57

FILE: PLAN_SURFACING_CIP 8.9
PLOT DATE: 8/29/2025

REV DATE:
INITIAL:



Surfacing Legend

—— L ——	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pavement (Splashguard)
—— LT ——	Longitudinal Joint With Tie Bars (Construction or Sawed)		4" Asphalt Shared-Use Path
—— ———	Transverse Contraction Joint		6" Concrete Bike Path / Sidewalk / Driveway Approach
—— SB ——	Steel Bar Installation in Longitudinal or Transverse Joint		6" Gravel approach or trail
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)	——	Drilled in No. 9 X 18" epoxy coated deformed tie bar spaced 18" center to center
	Asphalt Concrete Pavement		Proposed Storm Sewer
	6" Barrier Type Colored Median PCC Pavement		



Proposed Veterans Parkway



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PLOT DATE: 8/29/2025 2:10 PM Burman, Heather

FOR BIDDING PURPOSES ONLY

FILE: ...\\F34 (Hwy 111133+00).dgn
PLOT DATE: 08-29-2025

Legend:

- Steel Bar Installation in Longitudinal or Transverse Joint
- Areas to be poured monolithically with adjacent curb and gutter (See Detail A)
- Proposed Storm Sewer
- Proposed Watermain
- 8" Gravel Surfacing
- 4" Barrier Type Colored Median PCC Pvm (Splashguard)
- 6" Barrier Type Colored Median PCC Pvm
- 4" Asphalt Shared-Use Path
- 6" Concrete Sidewalk
- 10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
- 5" Asphalt Concrete Pavement
- 6" Asphalt Concrete Pavement

Plan View Details:

- Proposed 69th Street:** Stationing 1133+00 to 1134+00. Pavement includes 10" Nonreinforced PCC Pavement and 10" Misc. PCC Pavement.
- Proposed SD Hwy 11:** Stationing 1135+00 to 1139+00. Pavement includes 10" Nonreinforced PCC Pavement and 10" Misc. PCC Pavement.
- Proposed Veterans Parkway:** Running north-south through the center of the intersection.
- Turn Lane Tapers:**
 - Sta. 1136+71.1, 1.5' R Begin Curb & Gutter
 - Sta. 1136+71.1, 10.5' R Begin Curb & Gutter
 - Sta. 1137+20.1, 40.5' R Begin Turn Lane Taper
 - Sta. 1138+00.3, 34.5' R End Turn Lane Taper
- Other Features:** 15' Maximum Joint Spacing, 8' Sidewalk (Typ.), 7' Blvd (Typ.), 10" Misc. PCC Pavement, 6" Barrier Type Colored Median PCC Pvm.

Professional Engineer Seal:

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 5524
JAMES H. UNRUH
SOUTH DAKOTA

REGISTERED PROFESSIONAL ENGINEER
 REG. NO. 5524
 JAMES H. UNRUH
 SOUTH DAKOTA
 8-29-25



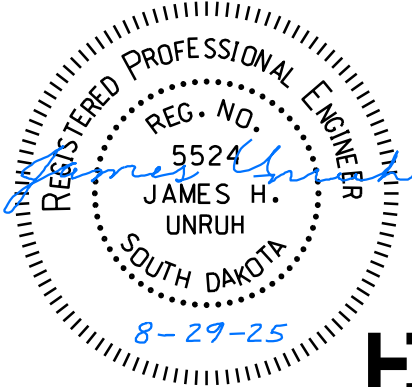
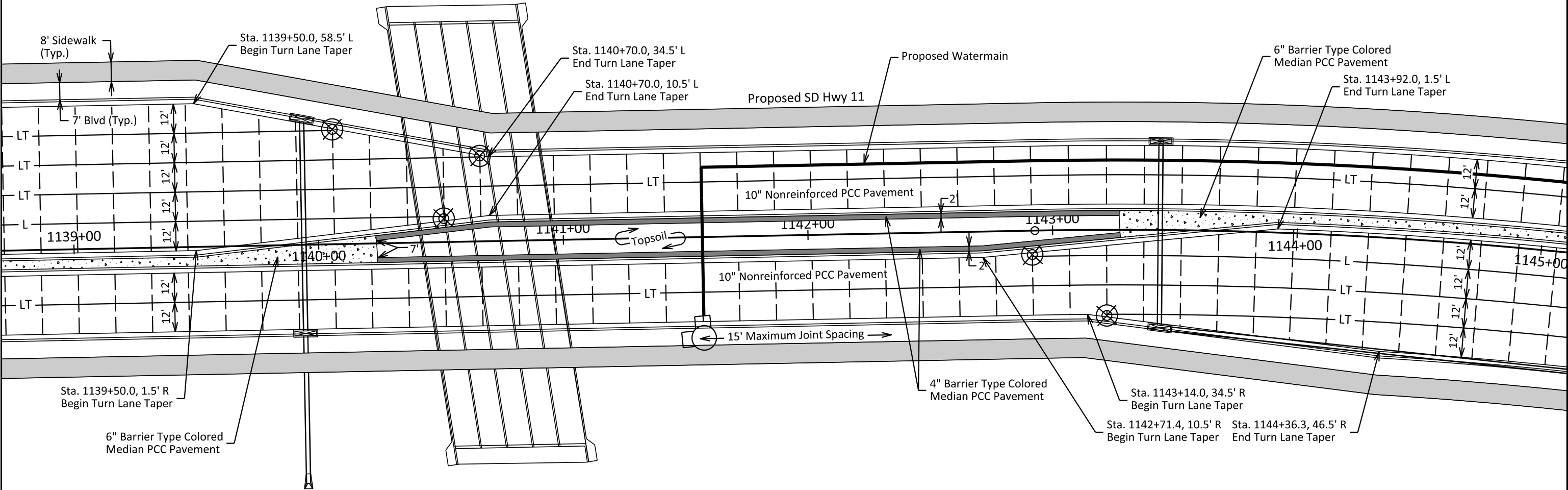
SD HWY 11

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F35	F57
FILE: ...\\F35 (Hwy 11 1139+00).dgn PLOT DATE: 08-29-2025		REV DATE: INITIAL:	

Surfacing Legend

	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmnt (Splashguard)
	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmnt
	Transverse Contraction Joint		4" Asphalt Shared-Use Path
	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



SD HWY 11

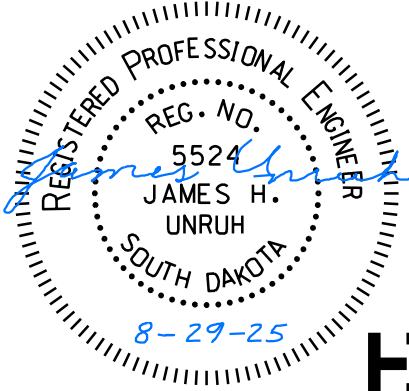
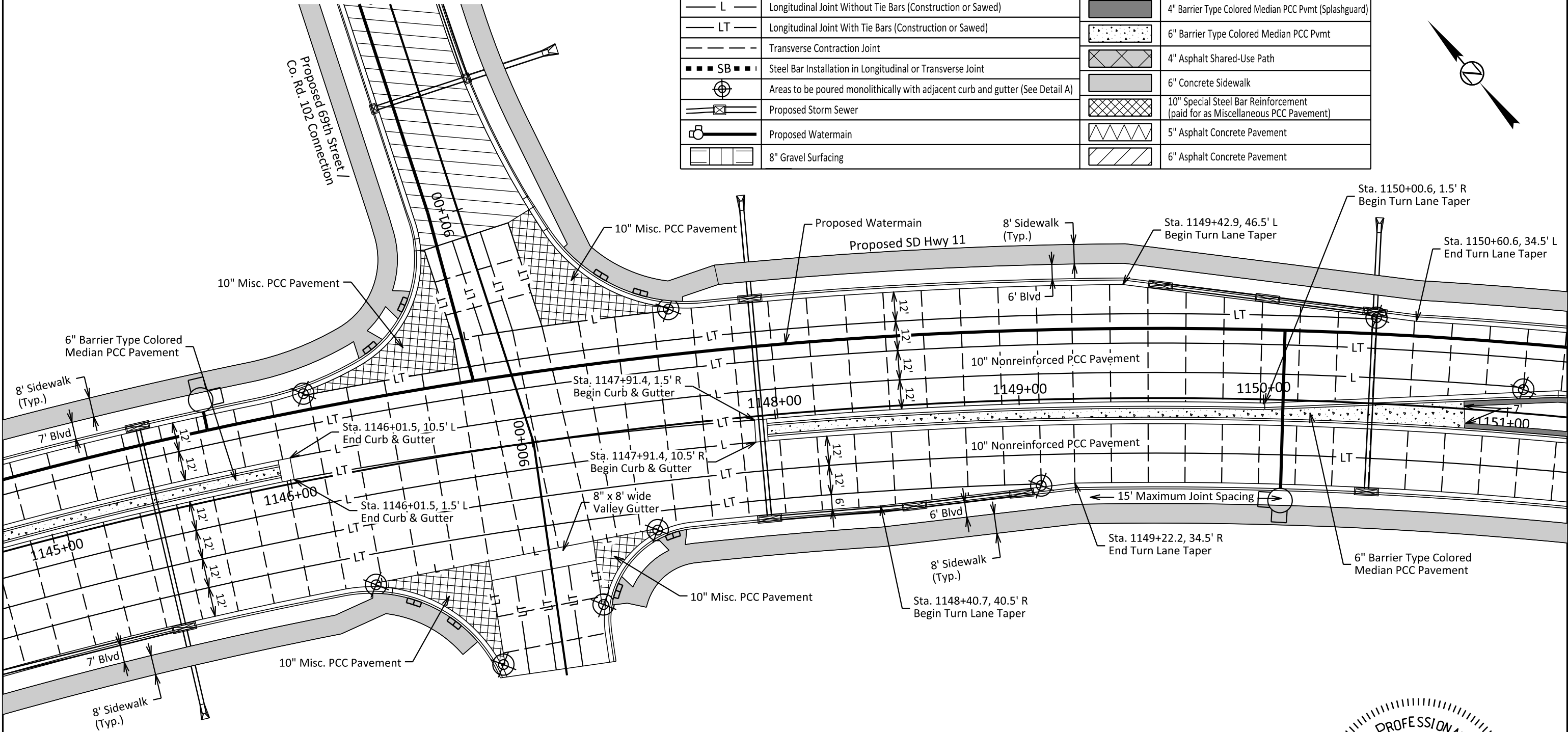
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F36	F57

FILE: ...\\F36 (Hwy 11 1145+00).dgn
PLOT DATE: 08-29-2025
REV DATE:
INITIAL:

Surfacing Legend

— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmnt (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmnt
- - -	Transverse Contraction Joint		4" Asphalt Shared-Use Path
■ ■ ■ SB ■ ■ ■	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
⊗	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
— [] —	Proposed Storm Sewer		5" Asphalt Concrete Pavement
— [] —	Proposed Watermain		6" Asphalt Concrete Pavement
[] [] []	8" Gravel Surfacing		

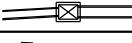


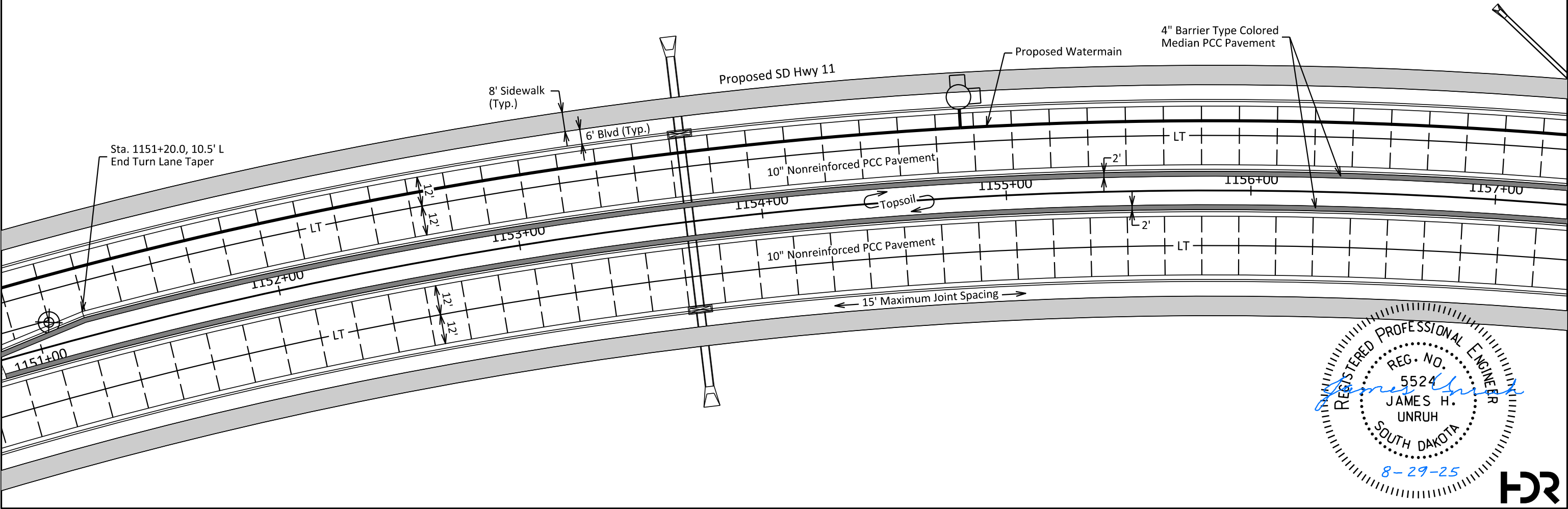
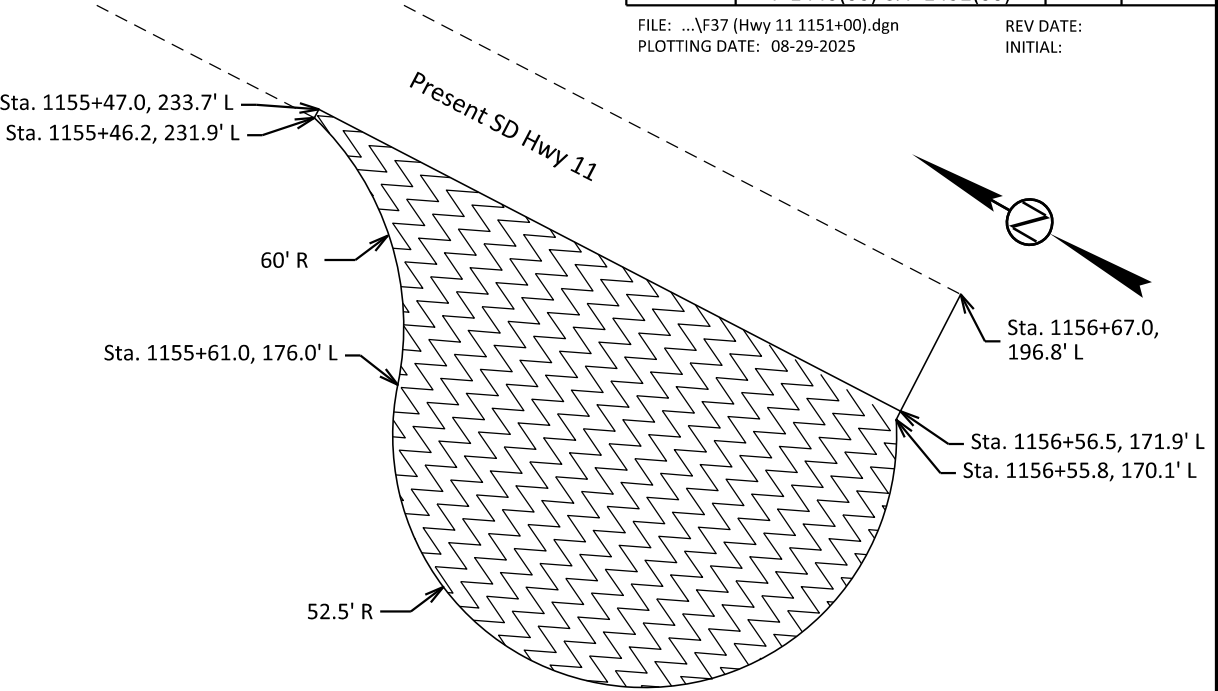
SD HWY 11

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F37	F57
FILE: ...\\F37 (Hwy 11 1151+00).dgn PLOTING DATE: 08-29-2025		REV DATE: INITIAL:	

Surfacing Legend

— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmnt (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmnt
- - -	Transverse Contraction Joint		4" Asphalt Shared-Use Path
■ ■ ■ SB ■ ■ ■	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



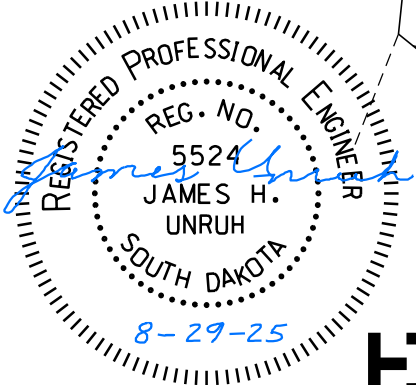
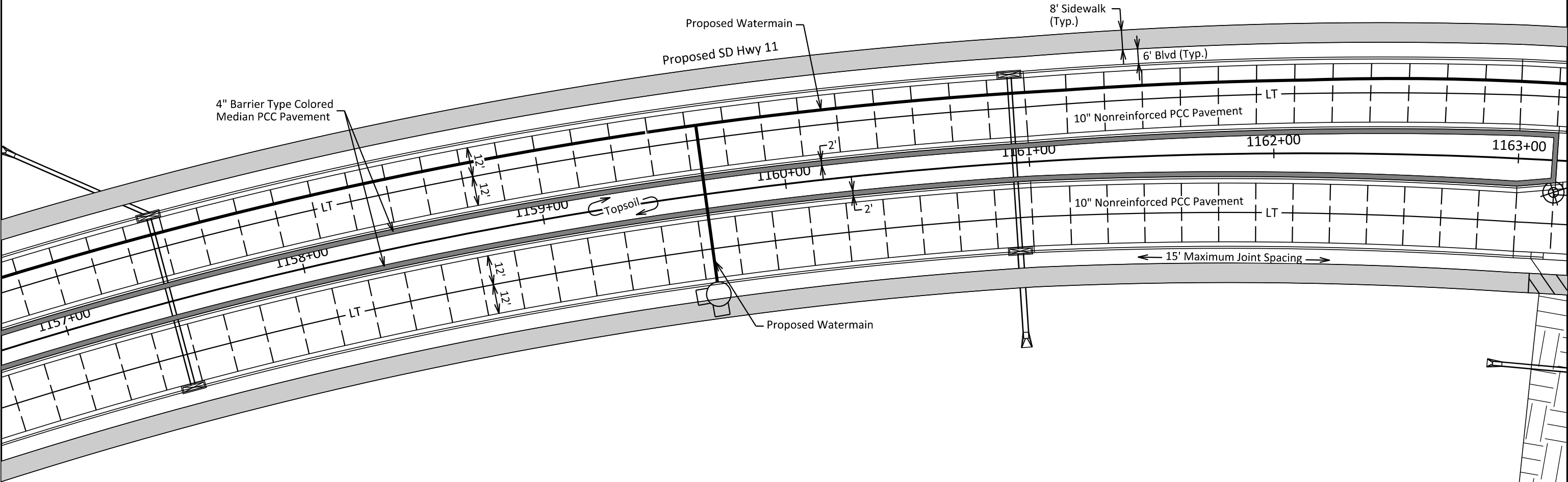
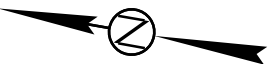
SD HWY 11

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)		
FILE: ...\\F38 (Hwy 11 1157+00).dgn PLOTING DATE: 08-29-2025		F38	F57
		REV DATE: INITIAL:	

Surfacing Legend

	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmnt (Splashguard)
	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmnt
	Transverse Contraction Joint		4" Asphalt Shared-Use Path
	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



FOR BIDDING PURPOSES ONLY

FILE: ...\\F39 (Hwy 11 1163+00).dgn
PLOT DATE: 08-29-2025

Surfacing Legend		
	L	Longitudinal Joint Without Tie Bars (Construction or Sawed)
	LT	Longitudinal Joint With Tie Bars (Construction or Sawed)
		Transverse Contraction Joint
	SB	Steel Bar Installation in Longitudinal or Transverse Joint
		Areas to be poured monolithically with adjacent curb and gutter (See Detail A)
		Proposed Storm Sewer
		Proposed Watermain
		8" Gravel Surfacing
		4" Barrier Type Colored Median PCC Pavmt (Splashguard)
		6" Barrier Type Colored Median PCC Pavmt
		4" Asphalt Shared-Use Path
		6" Concrete Sidewalk
		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
		5" Asphalt Concrete Pavement
		6" Asphalt Concrete Pavement

4" Barrier Type Colored Median PCC Pavement

6" Barrier Type Colored Median PCC Pavement

Proposed Watermain

8" Sidewalk (Typ.)

6' Blvd (Typ.)

10" Nonreinforced PCC Pavement

1163+00

1164+00

1165+00

1166+00

1167+00

1168+00

Sta. 1163+00, 14' R Begin Turn Lane Taper

Sta. 1163+06.6, 144.3' R

Sta. 1163+33.9, 113.7' R

Sta. 1163+44.9, 104.1' R

Sta. 1163+06.9, 46.67' R Begin 8" Concrete Sidewalk

Sta. 1163+41.8, 46.67' R End 8" Concrete Sidewalk

Sta. 1163+35.0, 84.7' R

Sta. 1163+45.2, 95.1' R

R 10'

R 45'

R 55'

Sta. 1164+07.8, 124.7' R

Sta. 1164+13.1, 131.8' R

Sta. 1164+15.7, 119.5' R

Sta. 1164+21.1, 126.7' R

Sta. 1164+20, 6' L End Turn Lane Taper

15' Maximum Joint Spacing

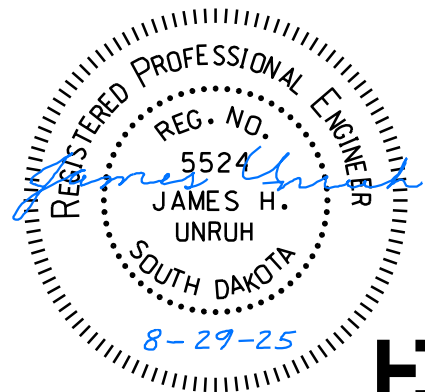
6" Barrier Type Colored Median PCC Pavement

4" Barrier Type Colored Median PCC Pavement

Sta. 1167+70 End PCC Pavement, Begin Asphalt Concrete Pavement

END P 1440(00)
SD Hwy 11
Station 1169+47.00

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 5524
JAMES H. UNRUH
SOUTH DAKOTA
8-29-25



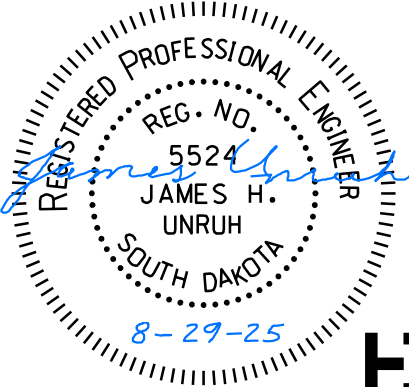
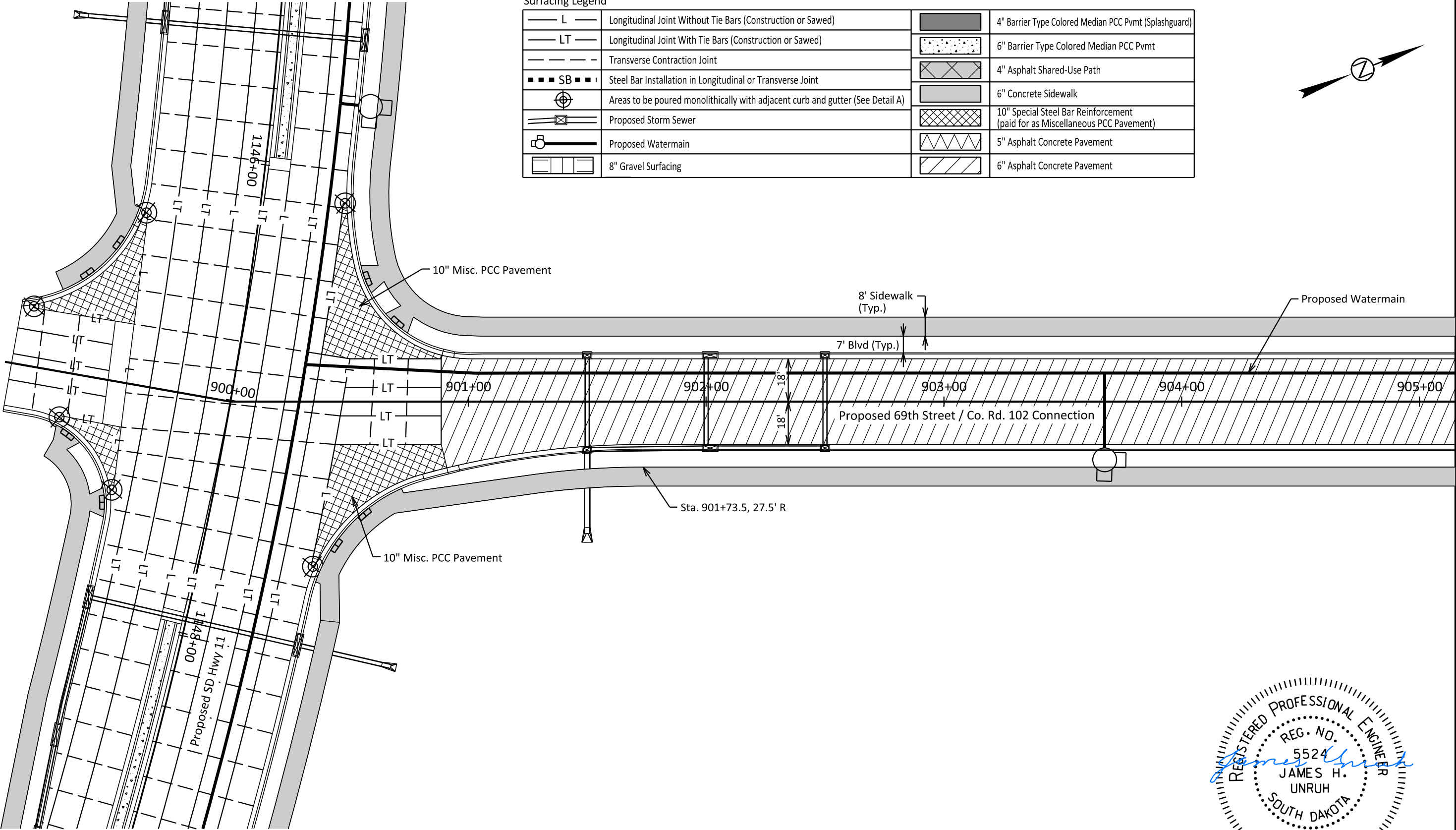
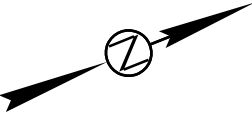
69TH STREET / CO RD. 102 CONNECTION

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F40	F57
FILE: ...\\F40 (Co Rd 102 900+00).dgn		REV DATE:	
PLOTING DATE: 08-29-2025		INITIAL:	

Surfacing Legend

— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmnt (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmnt
- - - -	Transverse Contraction Joint		4" Asphalt Shared-Use Path
■ ■ ■ SB ■ ■ ■	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		

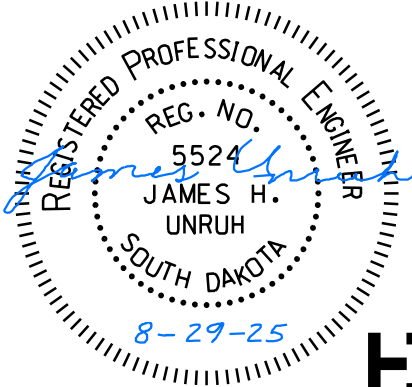
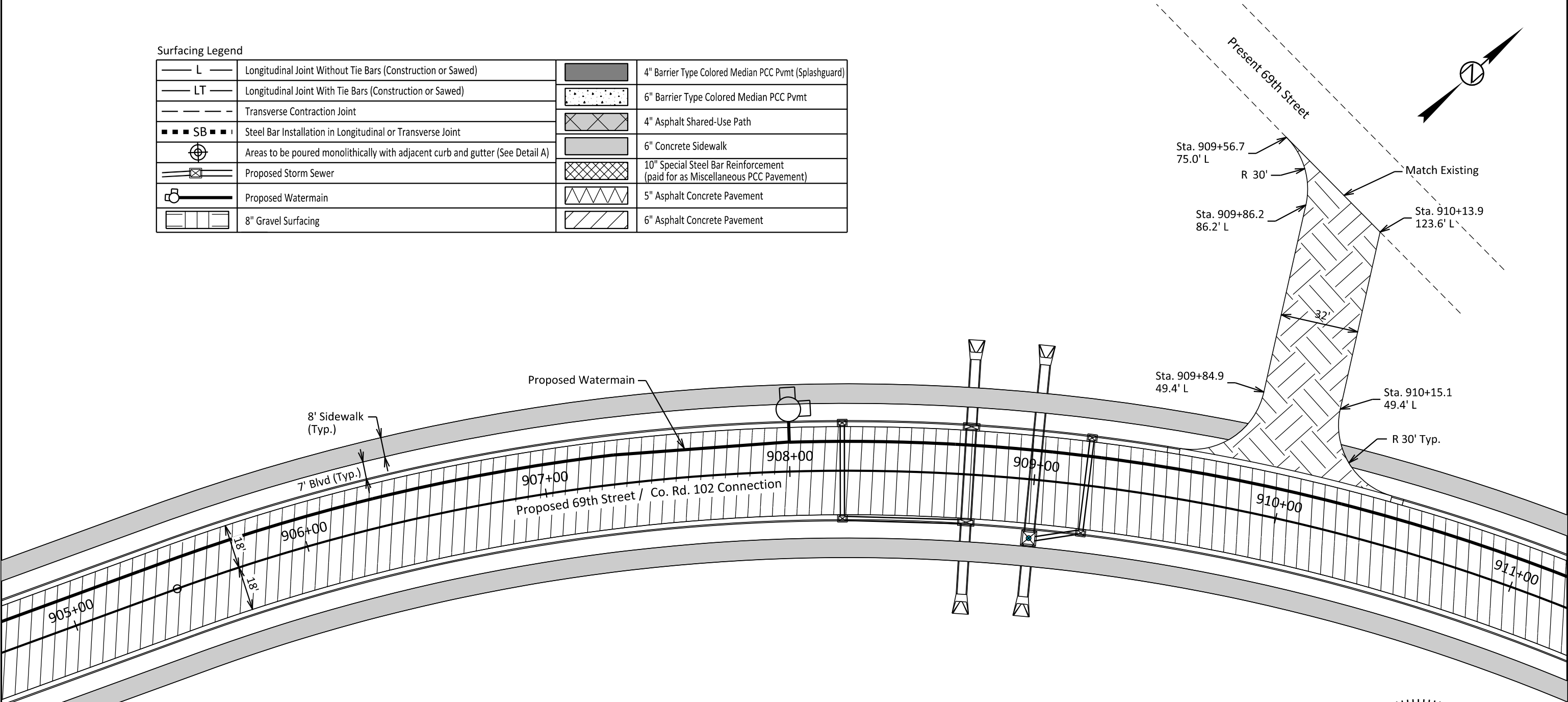


69TH STREET / CO RD. 102 CONNECTION

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F41	F57
FILE: ...\\F41 (Co Rd 102 905+00).dgn		REV DATE:	
PLOTING DATE: 08-29-2025		INITIAL:	

Surfacing Legend			
	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmt (Splashguard)
	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmt
	Transverse Contraction Joint		4" Asphalt Shared-Use Path
	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



69TH STREET / CO RD. 102 CONNECTION

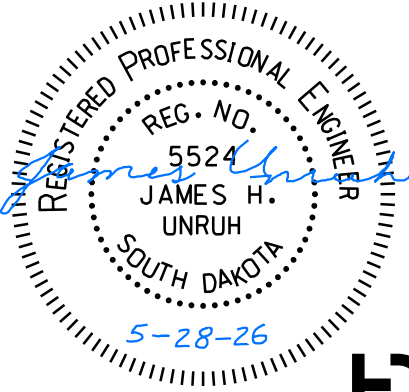
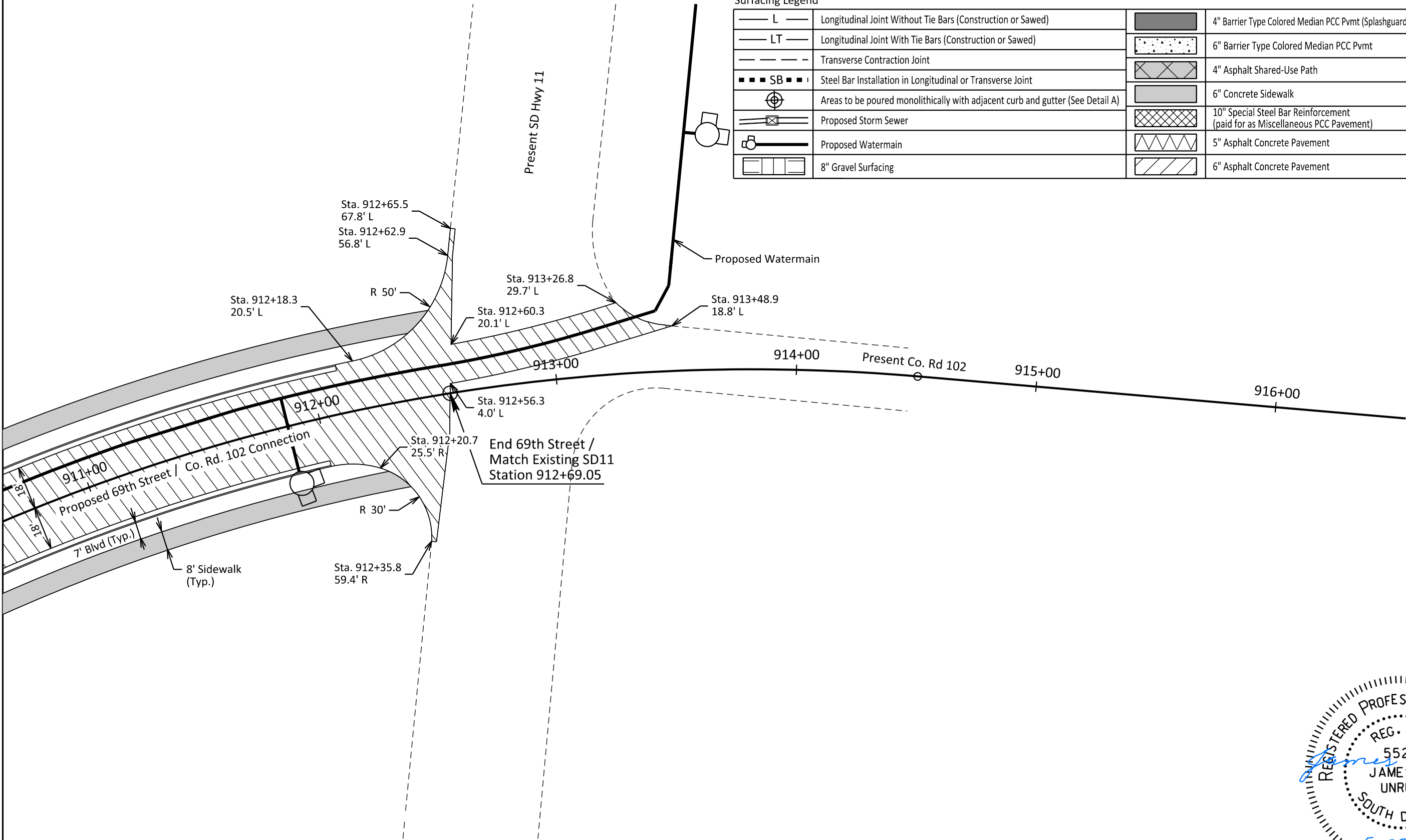
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F42	F57

FILE: ...\\F42 (Co Rd 102 911+00).dgn
PLOTING DATE: 05-28-2026

REV DATE: 04-23-2026
INITIAL: JHU

Surfacing Legend			
	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmt (Splashguard)
	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmt
	Transverse Contraction Joint		4" Asphalt Shared-Use Path
	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



69TH STREET / CO RD. 102 CONNECTION

FOR BIDDING PURPOSES ONLY

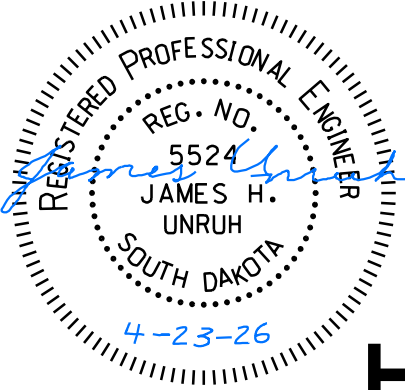
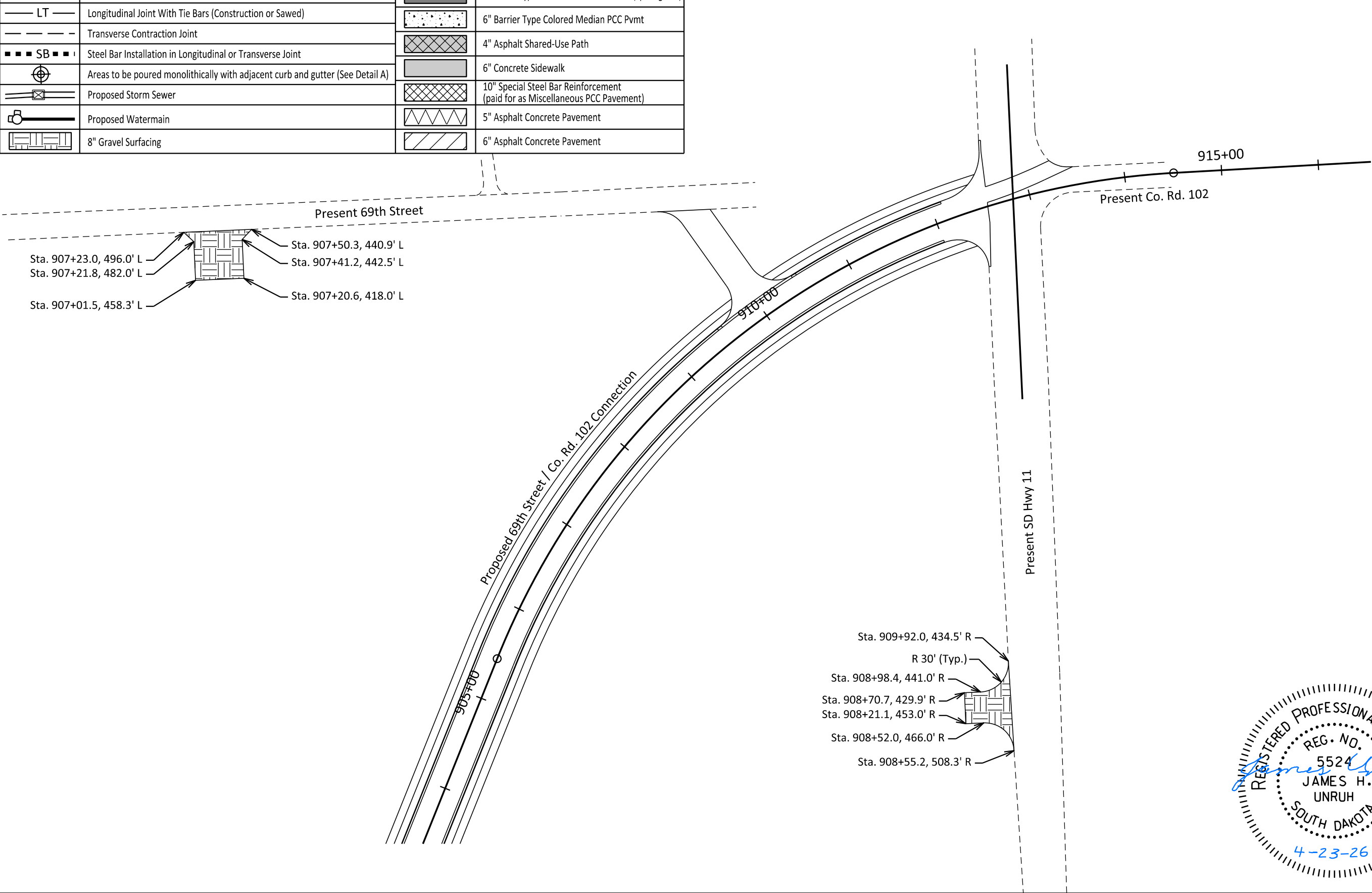
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F43	F57

FILE: ...\\F43 (Co Rd 102 Overall).dgn
PLOTING DATE: 05-19-2026

REV DATE:
INITIAL:

Surfacing Legend

	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmt (Splashguard)
	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmt
	Transverse Contraction Joint		4" Asphalt Shared-Use Path
	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



57TH STREET

FOR BIDDING PURPOSES ONLY

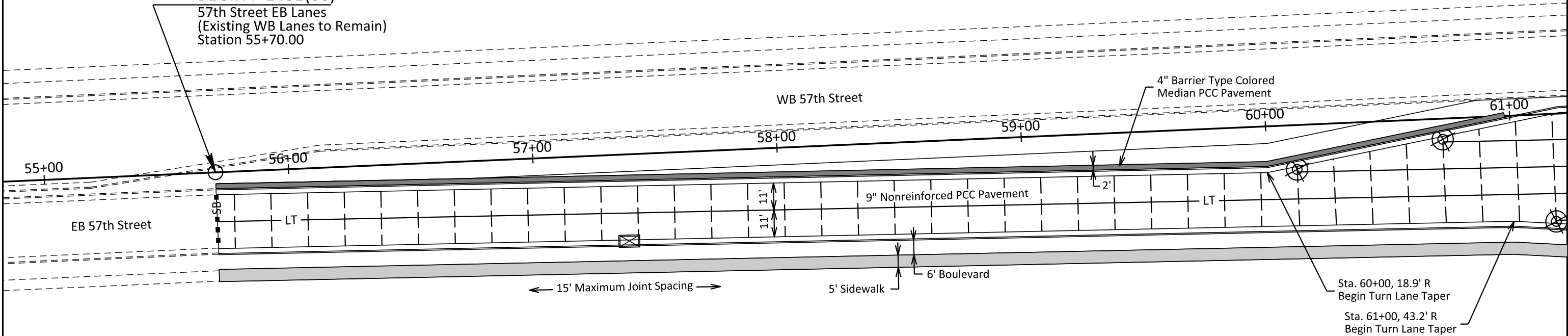
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F44	F57

FILE: ...\\Section F\F44 (57th 55+00).dgn
PLOTING DATE: 08-29-2025

REV DATE:
INITIAL:

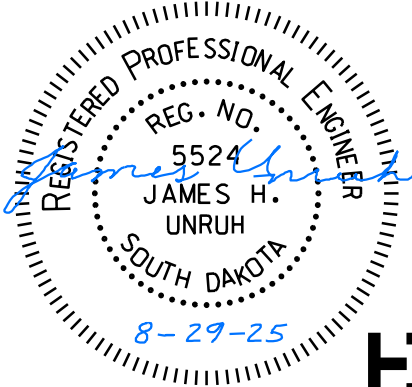


BEGIN P 1432(00)
57th Street EB Lanes
(Existing WB Lanes to Remain)
Station 55+70.00



Surfacing Legend

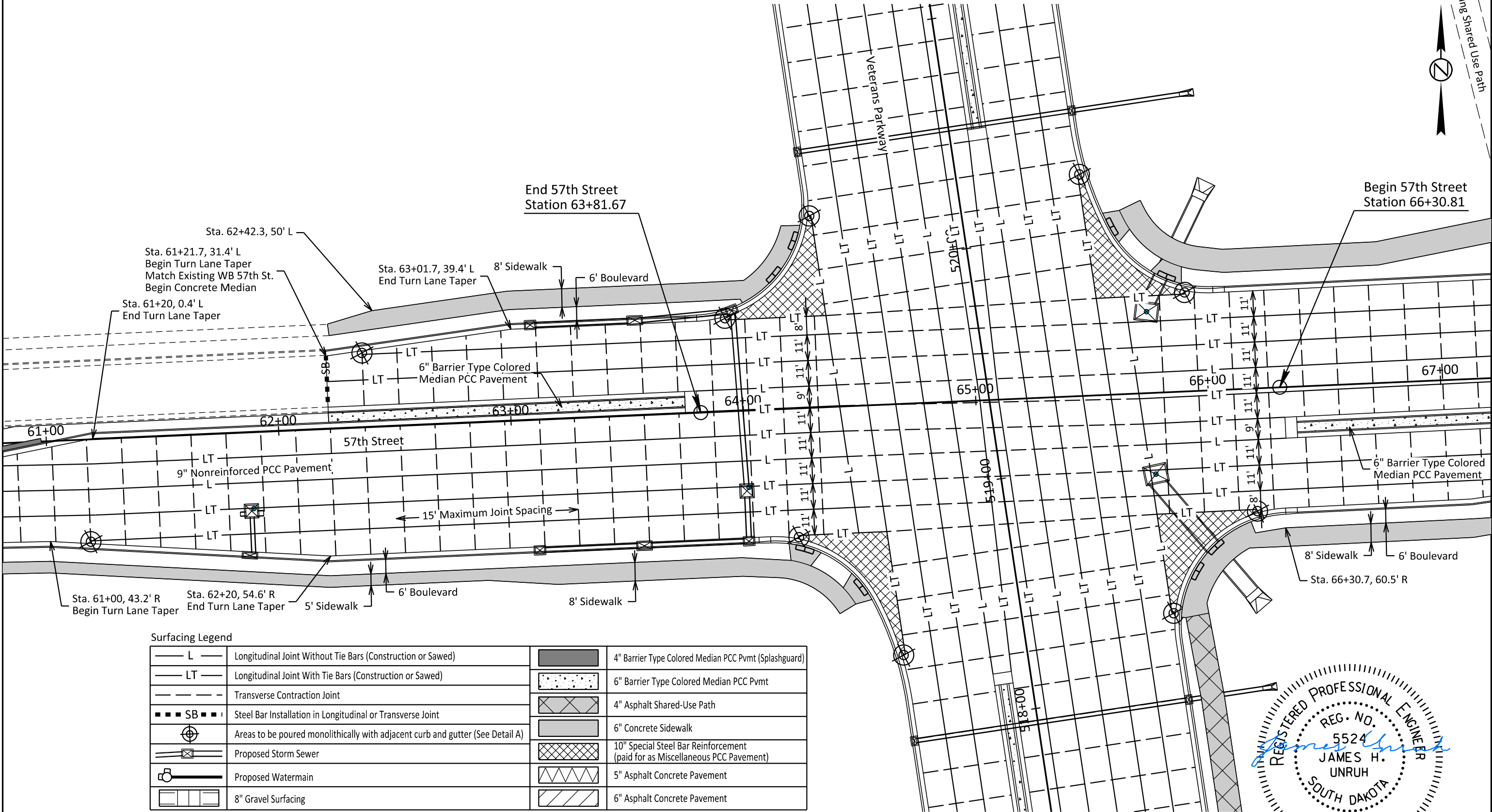
	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmt (Splashguard)
	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmt
	Transverse Contraction Joint		4" Asphalt Shared-Use Path
	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



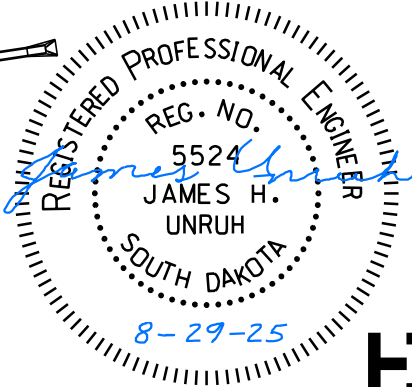
57TH STREET

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F45	F57
FILE: ...\\Section F\\F45 (57th 61+00).dgn PLOT DATE: 08-29-2025		REV DATE: INITIAL:	



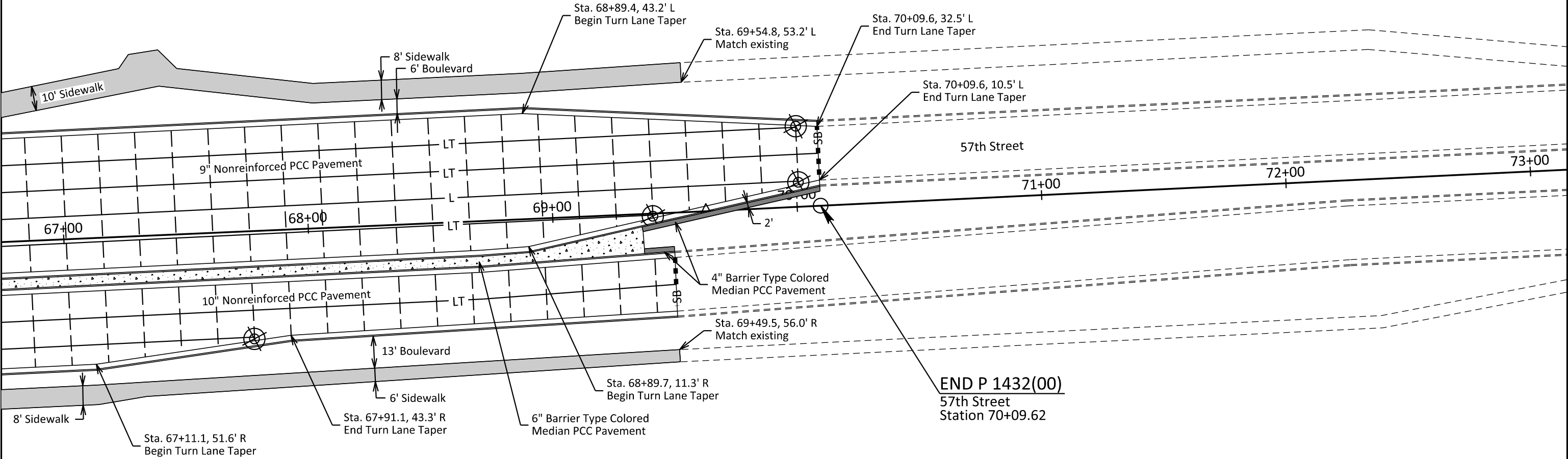
Surfacing Legend			
	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pvmnt (Splashguard)
	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pvmnt
	Transverse Contraction Joint		4" Asphalt Shared-Use Path
	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



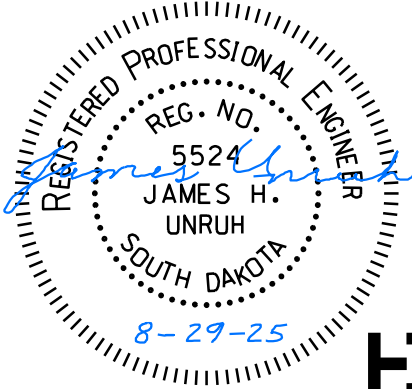
57TH STREET

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F46	F57
FILE: ...\\Section F\\F46 (57th 67+00).dgn PLOT DATE: 08-29-2025		REV DATE: INITIAL:	



Surfacing Legend			
— L —	Longitudinal Joint Without Tie Bars (Construction or Sawed)		4" Barrier Type Colored Median PCC Pavmt (Splashguard)
— LT —	Longitudinal Joint With Tie Bars (Construction or Sawed)		6" Barrier Type Colored Median PCC Pavmt
— — —	Transverse Contraction Joint		4" Asphalt Shared-Use Path
■ ■ ■ SB ■ ■ ■	Steel Bar Installation in Longitudinal or Transverse Joint		6" Concrete Sidewalk
	Areas to be poured monolithically with adjacent curb and gutter (See Detail A)		10" Special Steel Bar Reinforcement (paid for as Miscellaneous PCC Pavement)
	Proposed Storm Sewer		5" Asphalt Concrete Pavement
	Proposed Watermain		6" Asphalt Concrete Pavement
	8" Gravel Surfacing		



VETERANS PARKWAY PAVEMENT SLOPES

FOR BIDDING PURPOSES ONLY

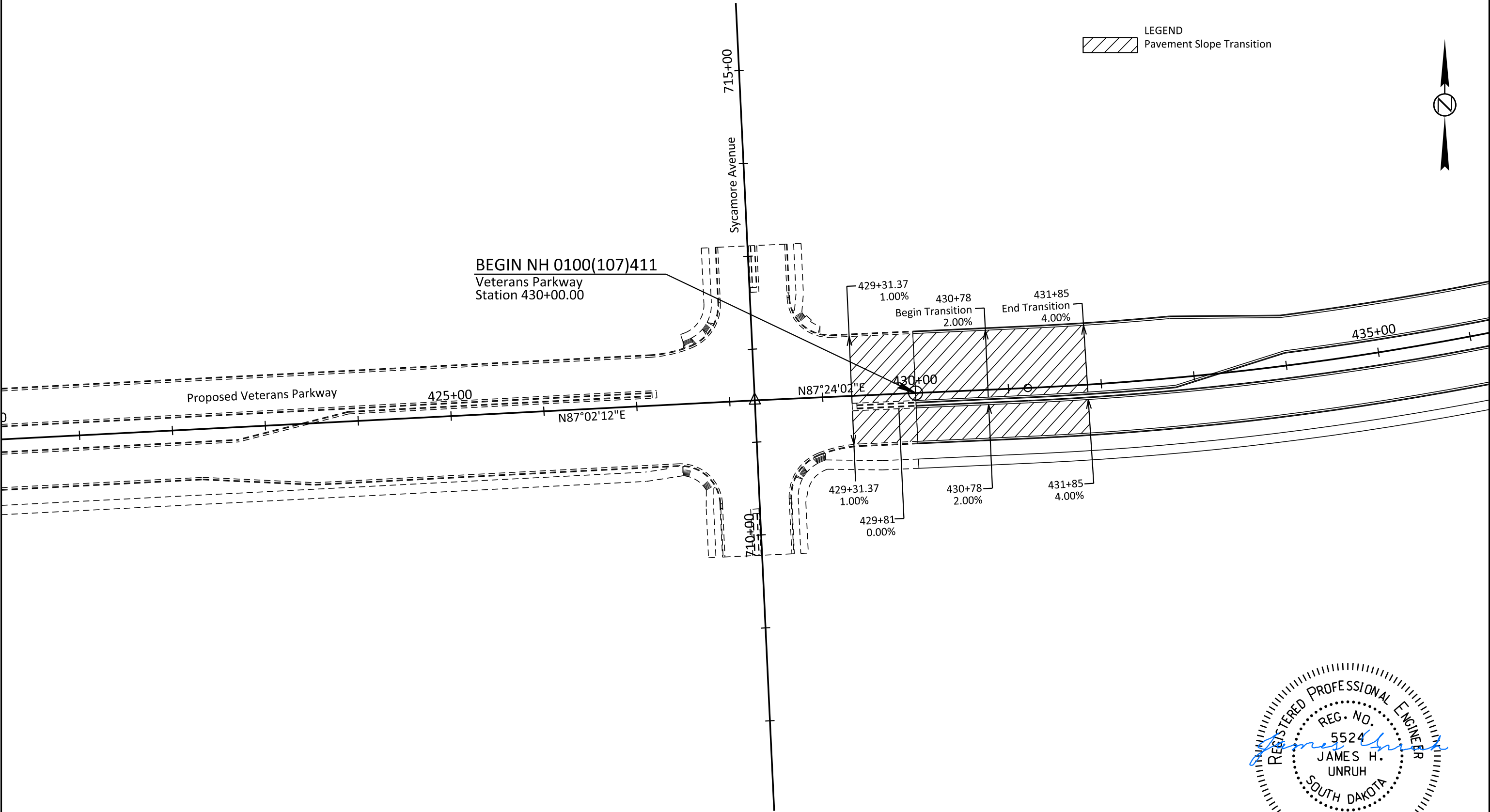
STATE OF SOUTH DAKOTA	PROJECT	SHEET F47	TOTAL SHEETS F57
	NH 0100(107)411 P 1440(00) & P 1432(00)		

FILE: ...\\Section F\\F47 SE (430+00).dgn
PLOTING DATE: 08-29-2025

REV DATE:
INITIAL:

LEGEND

Pavement Slope Transition



REGISTERED PROFESSIONAL ENGINEER

REG. NO. 5524

JAMES H. UNRUH

SOUTH DAKOTA

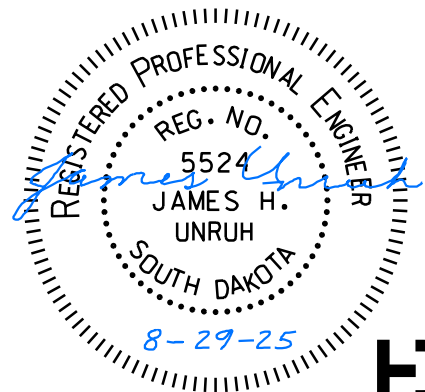
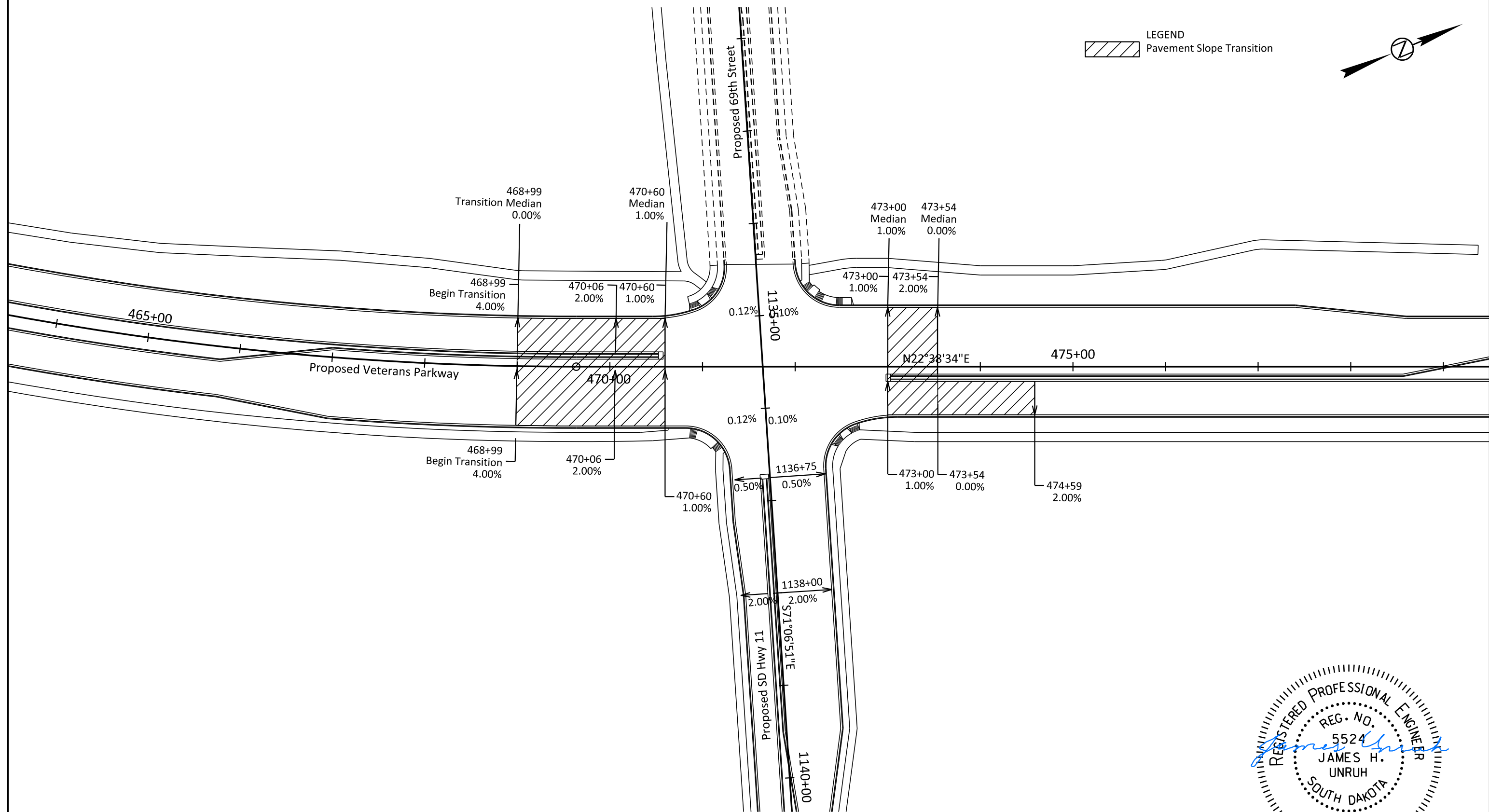
8-29-25



FOR BIDDING PURPOSES ONLY

FILE: ...\\Section F\\F48 SE (470+00).dgn
PLOTING DATE: 08-29-2025

FILE: ...\\Section F\\F48 SE (470+00).dgn
PLOTING DATE: 08-29-2025



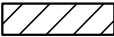
VETERANS PARKWAY PAVEMENT SLOPES

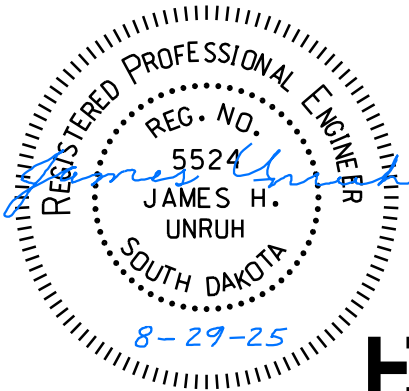
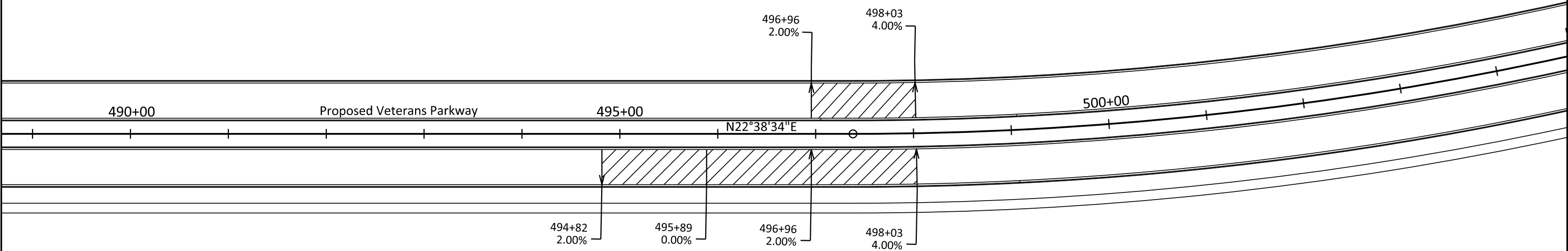
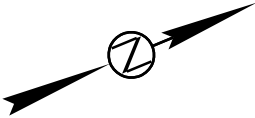
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F49	F57

FILE: ...\\Section F\\F49 SE (495+00).dgn
PLOTING DATE: 08-29-2025

REV DATE:
INITIAL:

LEGEND
 Pavement Slope Transition



VETERANS PARKWAY PAVEMENT SLOPES

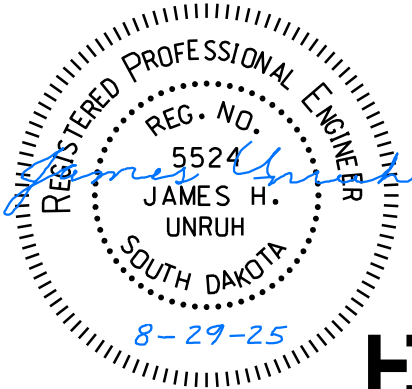
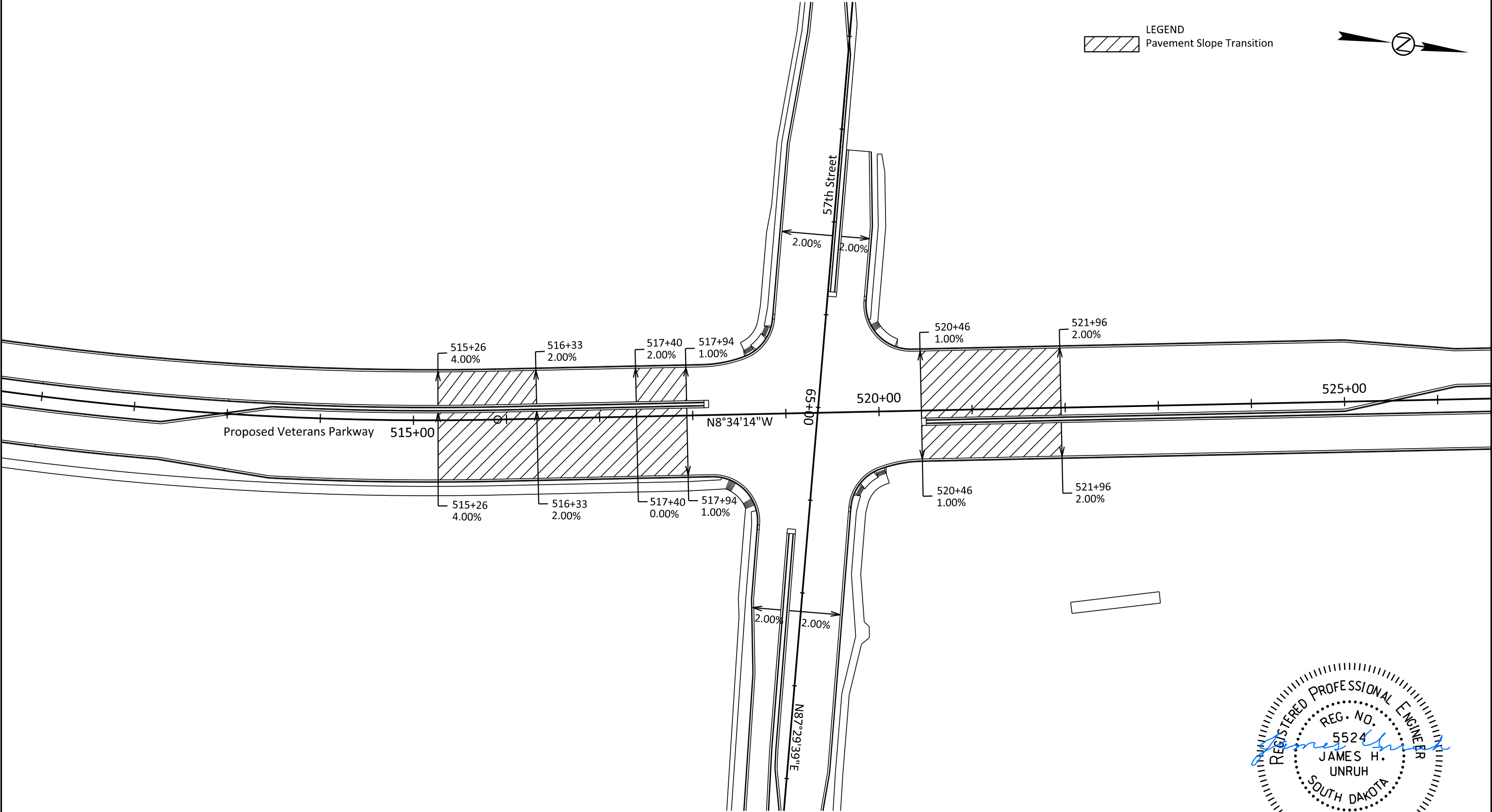
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
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PLOTING DATE: 08-29-2025

REV DATE:
INITIAL:

LEGEND
Pavement Slope Transition



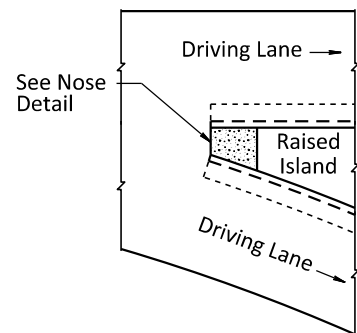
SPECIAL SURFACING DETAILS

FOR BIDDING PURPOSES ONLY

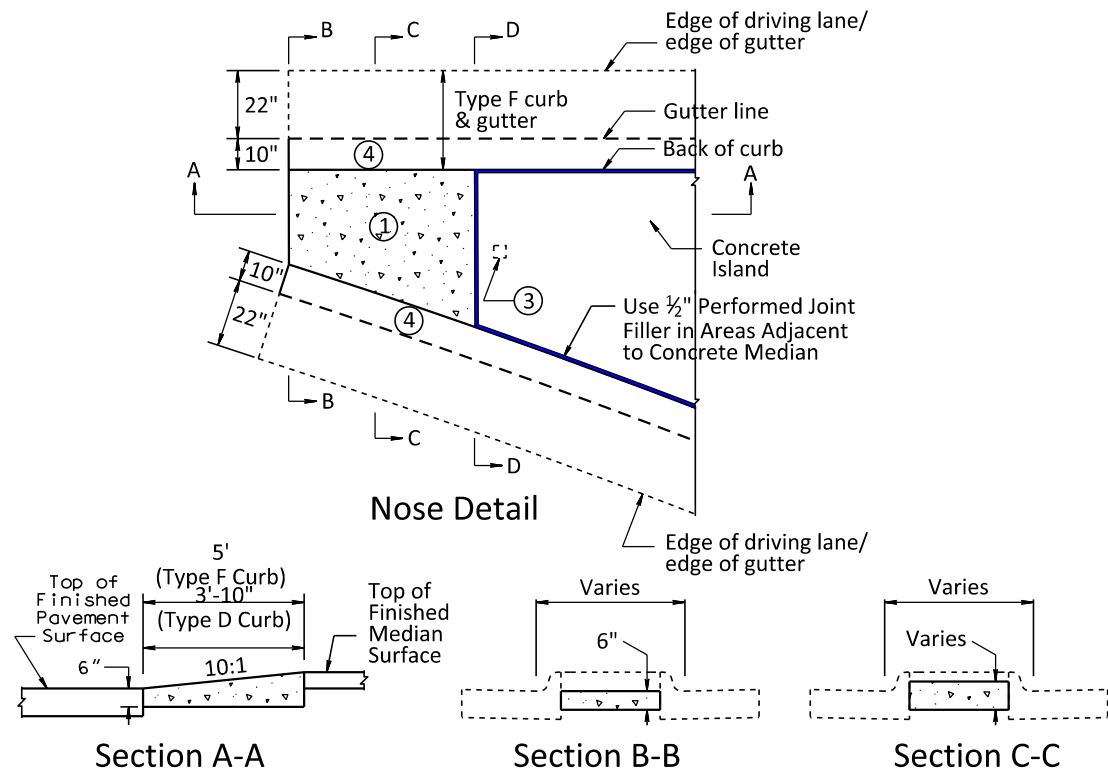
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
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FILE: ...F51 (Special Details).dgn
PLOTING DATE: 08-29-2025

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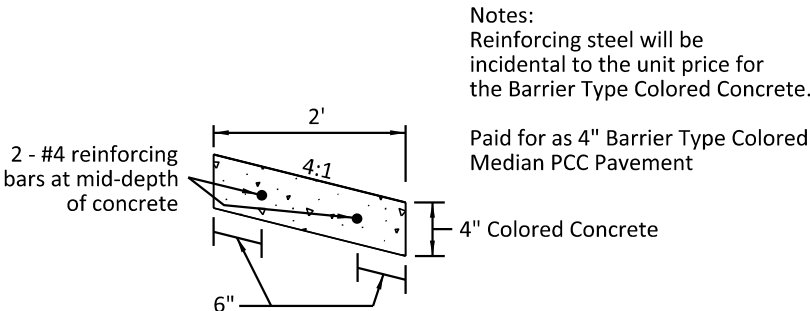
PLAN VIEW



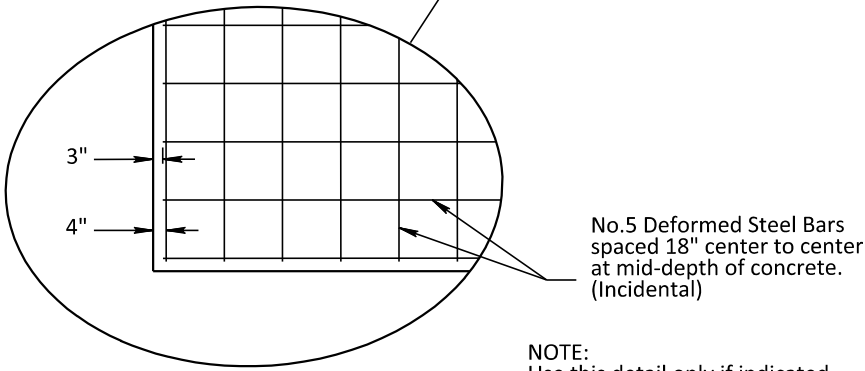
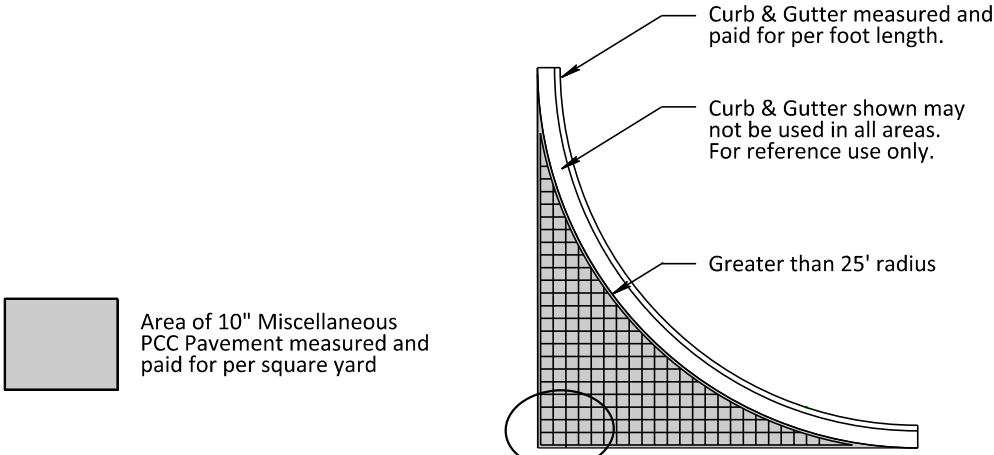
Concrete Approach Nose Detail

NOTES:

- ① This area will be placed monolithically with curb and gutter. Paid for as part of curb & gutter.
- ② Median or curb height.
- ③ Provide one 6" x 6" opening in island for signing if required.
- ④ Curb height to taper at same rate as sloped median nose.

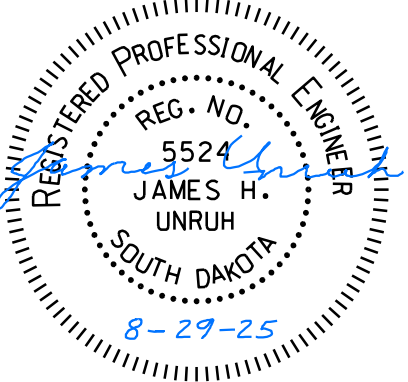


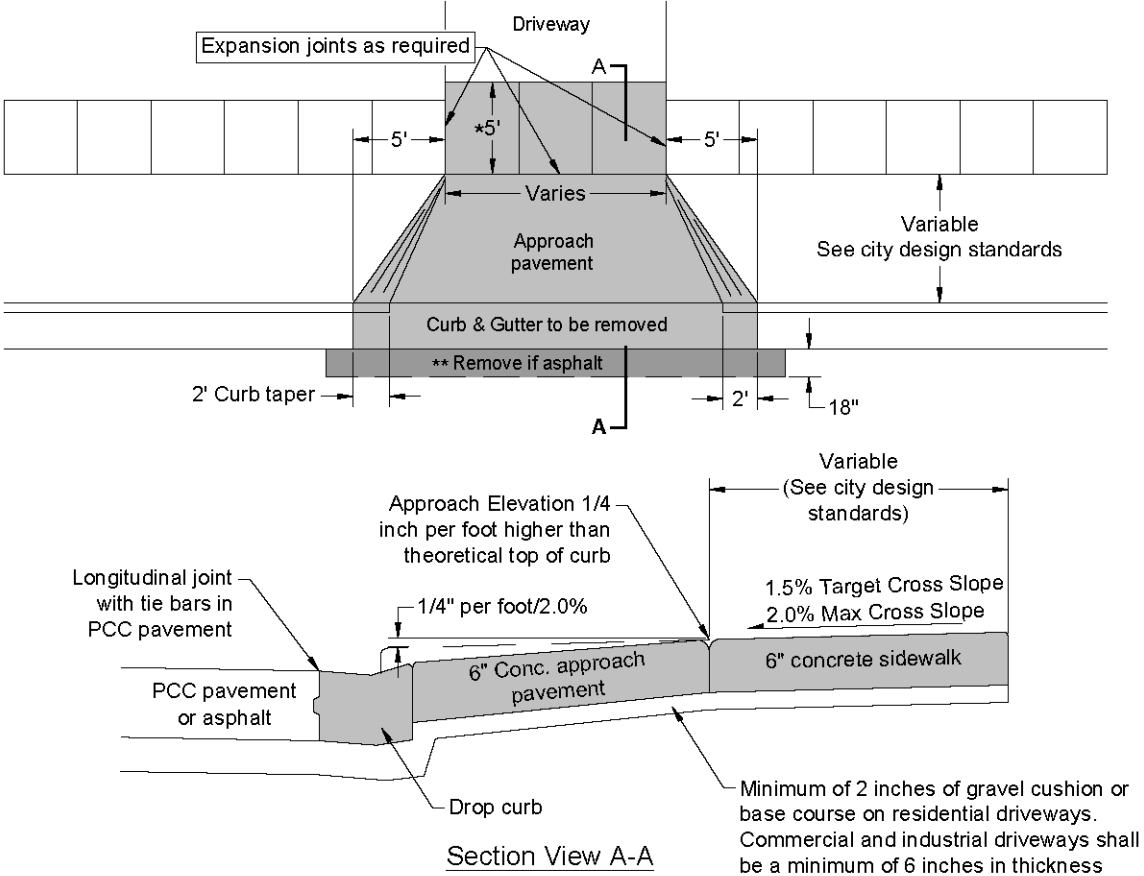
Splash Guard with Reinforcing Bars Detail



NOTE:
Use this detail only if indicated on PCC Pavement Layout Sheets. All other fillets refer to Standard Plates 380.16 or 380.17.
This item will be paid for as 10" Miscellaneous PCC Pavement.

Special Steel Bar Reinforcement Detail for Large Radius Turning Areas





General Notes

- *On new construction, the sidewalk must be a minimum of 5' wide through the driveway approach to accommodate passing space requirements. When the adjoining sidewalk is less than 5' wide, the additional width through the driveway approach shall be located on the building side of the sidewalk, unless insufficient right of way exists to prevent the sidewalk from being installed entirely in the public right of way. In these cases, install the additional sidewalk width on the street side of the sidewalk
- Permits are required before beginning construction or alteration of any driveway for any project not bid by the city.
- The curb and gutter shall be taken out to the nearest construction joint when the joint is within 4' of the end of that driveway.
- Full depth sawing is required when the curb and gutter is not removed at a construction joint. A clean, neat, and vertical cut through the curb section is required.
- Sidewalks within the driveway limits shall have a minimum thickness of 6" unless otherwise specified.
- Contraction joints shall be formed in the approach pavement by means of a suitable grooving tool. These joints shall have a depth of at least one quarter the thickness of the concrete approach pavement.
- 2" gravel cushion or base course is required under the approach pavement and will be paid for per bid item unless otherwise specified.
- The "Concrete Approach Pavement" will be measured and paid for at the contract unit price per square yard, such price being full compensation for all labor, materials and incidentals in connection with constructing the same.
- The concrete in "Concrete Approach Pavement" shall comply with the requirements of the standard specifications for class M-6 concrete.
- ** Subject to approval of the City Engineer, in new developments or other areas where the asphalt street is new it may be possible to install the drop curb adjacent to the driveway without removing the 18" of asphalt if the asphalt is in good condition and free of any spalling as to allow the drop curb to be installed straight and true.

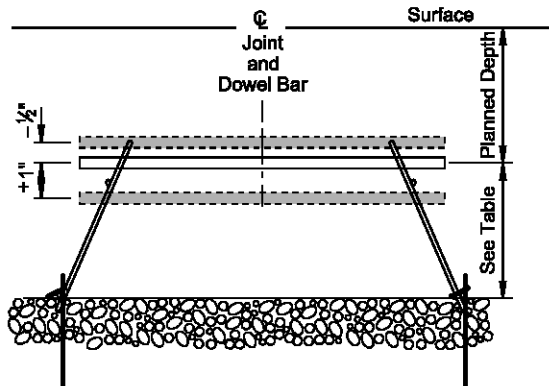
Issued: December 2016



Concrete Approach Pavement

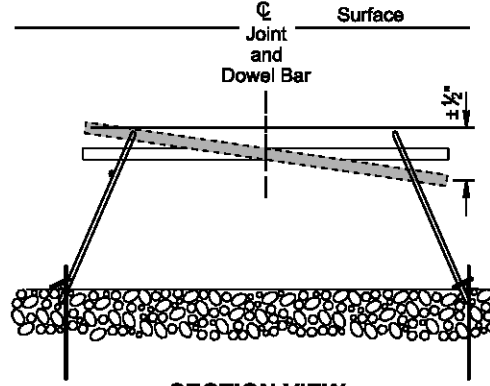
Specification
Reference
No. 380

Plate
Number
380.01



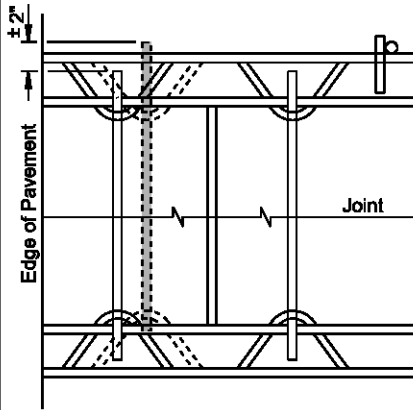
SECTION VIEW
VERTICAL TRANSLATION

Depth: mid-depth + 1 inch or - 1/2 inch



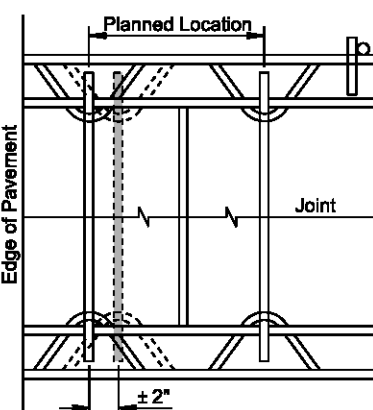
SECTION VIEW
VERTICAL TILT

Vertical rotational alignment: 1/2 inch over 18 inch



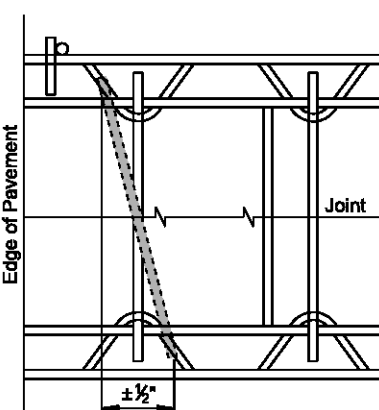
PLAN VIEW
LONGITUDINAL TRANSLATION

Longitudinal side shift: ± 2 inch for
18 inch bars



PLAN VIEW
HORIZONTAL TRANSLATION

Side shift ± 2 inch



PLAN VIEW
HORIZONTAL SKEW

Horizontal rotational alignment:
1/2 inch over 18 inch

PAVEMENT THICKNESS	EPOXY COATED DOWEL BAR SIZE	HEIGHT TO CENTER
7" to 7 1/2"	1" x 18"	3.0"
8" to 10"	1 1/4" x 18"	4.0"
10 1/2" to 13"	1 1/2" x 18"	5.0"

GENERAL NOTE:

The tolerances shown above represent the maximum deviation for acceptance of dowel bar placement.

November 19, 2022

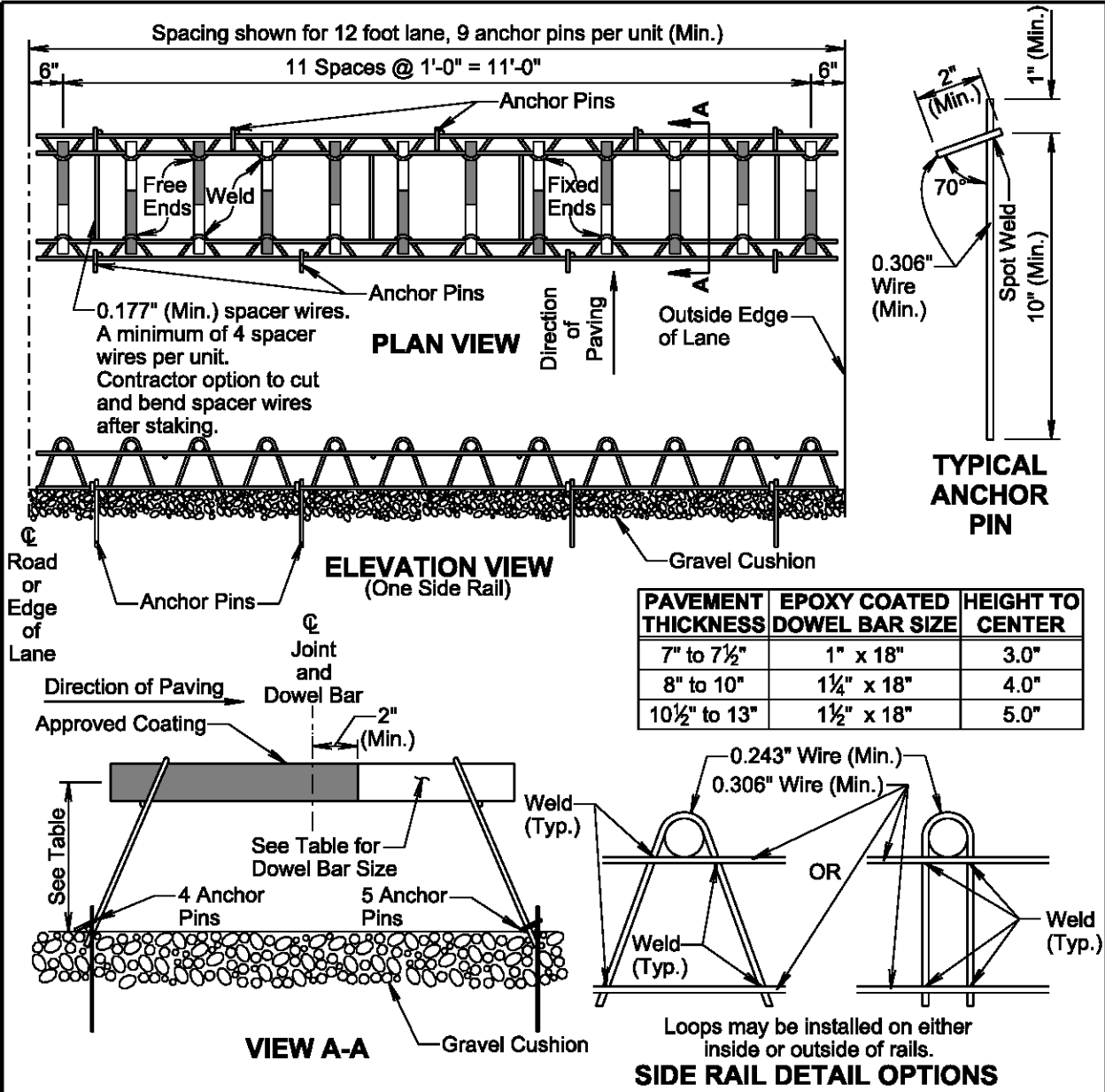
Published Date: 2027

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PCC PAVEMENT DOWEL BAR
ALIGNMENT TOLERANCES

PLATE NUMBER
380.01
Sheet 1 of 1





GENERAL NOTES:

Longitudinal joint tie bars will be placed a minimum of 15 inches from the transverse contraction joint.

The transverse contraction joints will be sawed perpendicular to the centerline of the roadway. The transverse sawed joint will be centered over the dowel bars.

Supporting devices as shown on this sheet, or equivalent as approved by the Engineer, will be used to maintain proper horizontal and vertical alignment of the dowel bars.

All dowel bar alignment tolerances will be as shown in the PCC Pavement Dowel Bar Alignment Tolerances standard plate.

November 19, 2022

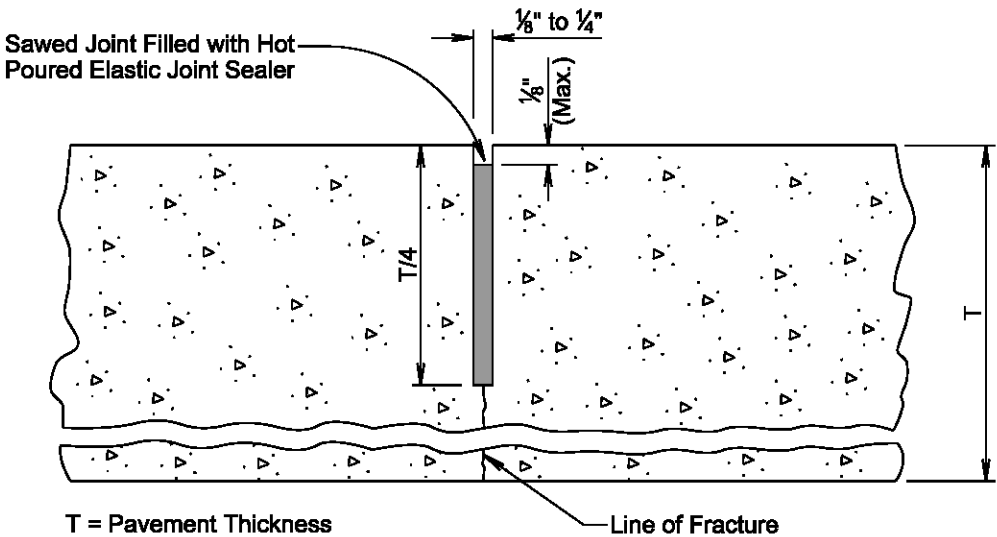
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PCC PAVEMENT DOWEL BAR ASSEMBLY
FOR TRANSVERSE CONTRACTION JOINTS
12 Bar Assembly on Granular Base Material

PLATE NUMBER
380.04

Sheet 1 of 1



GENERAL NOTES:

If an early entrance saw cut does not develop the full transverse crack, then the saw cut to control cracking will be a minimum ¼ of the thickness of the pavement.

All hot poured elastic joint sealer material spilled on the surface of the concrete pavement will be removed as soon as the material has cooled. The extent of removal of material will be to the satisfaction of the Engineer. All costs for removal of the spilled joint sealer material will be borne by the Contractor.

November 19, 2022

Published Date: 2027

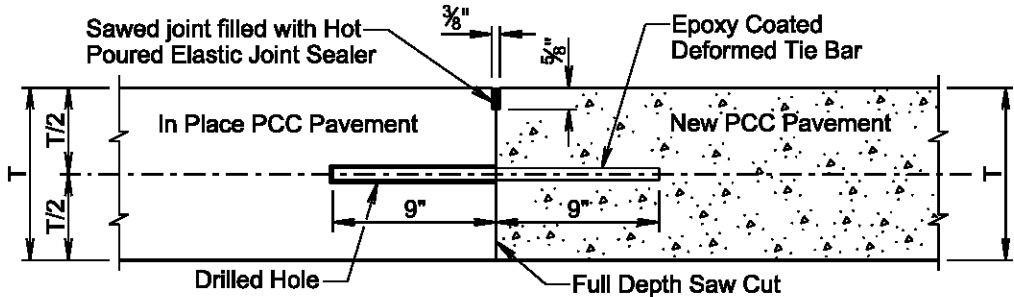
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PCC PAVEMENT TRANSVERSE CONTRACTION
JOINT WITH OR WITHOUT DOWEL BAR ASSEMBLY

PLATE NUMBER
380.12

Sheet 1 of 1

**DETAIL A
TRANSVERSE CONSTRUCTION JOINT WITH TIE BARS**



T = In Place PCC Pavement and New PCC Pavement Thickness

GENERAL NOTES:

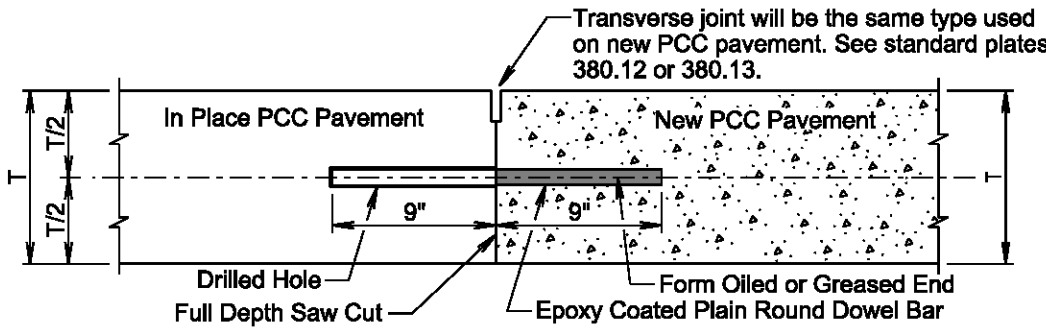
The term "In Place PCC Pavement" in the above drawing indicates that the in place PCC pavement was placed on a previous project.

See sheet 2 of 2 of this standard plate to determine if Detail A will be used.

The tie bars will be embedded a minimum depth of 9 inches into the in place PCC pavement and anchored with an epoxy resin adhesive or a non-shrink grout.

No. 9 epoxy coated deformed tie bars will be used in 10 inch thickness and less PCC Pavement and No. 11 epoxy coated deformed tie bars will be used in 10.5 inch thickness and greater PCC Pavement. The tie bar spacing will be 18 inches center to center and will be a minimum of 3 inches and a maximum of 9 inches from the pavement edges.

**DETAIL B
TRANSVERSE CONSTRUCTION JOINT WITH DOWEL BARS**



T = In Place PCC Pavement and New PCC Pavement Thickness

GENERAL NOTES:

The term "In Place PCC Pavement" in the above drawing indicates that the in place PCC pavement was placed on a previous project or current project.

See sheet 2 of 2 of this standard plate to determine if Detail B will be used.

The plain round dowel bars will be embedded a minimum depth of 9 inches into the in place PCC pavement and anchored with an epoxy resin adhesive or a non-shrink grout.

The epoxy coated plain round dowel bar size, number, and spacing will be the same as detailed on the corresponding dowel bar assembly standard plate (380.04, 380.05, 380.06, or 380.07). The epoxy coated plain round dowel bars will be a minimum of 3 inches and a maximum of 6 inches from the pavement edges.

January 22, 2023

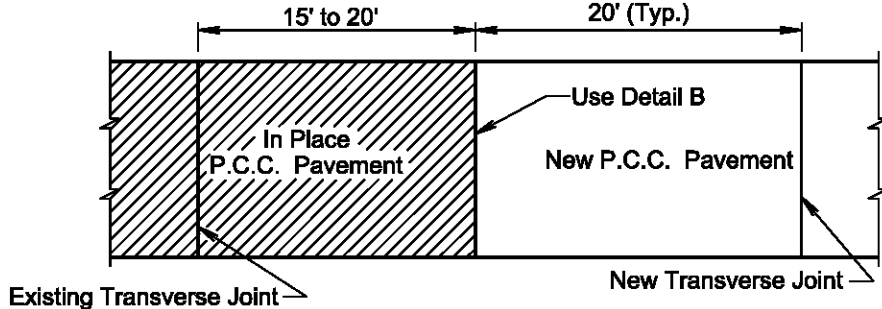
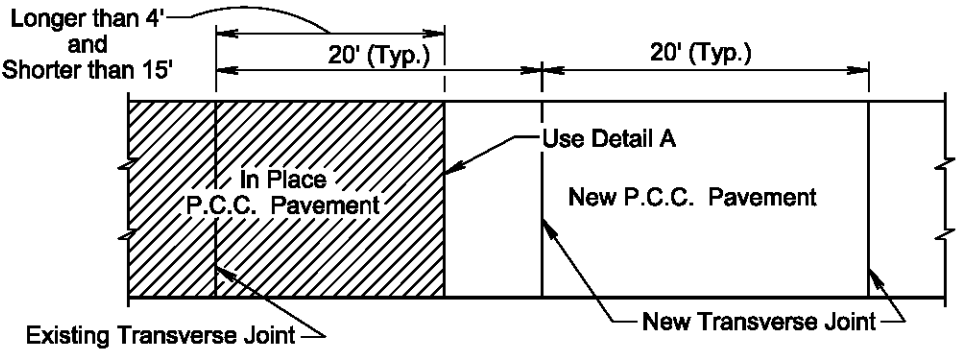
Published Date: 2027

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**PCC PAVEMENT TRANSVERSE CONSTRUCTION
JOINTS WITH TIE BARS OR DOWEL BARS**

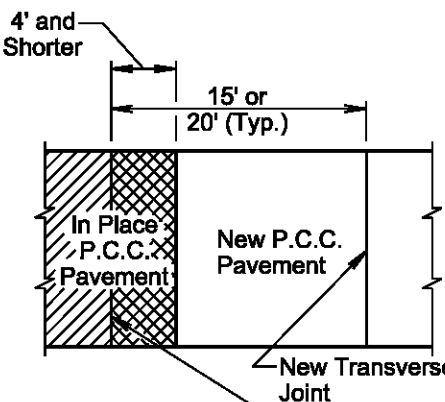
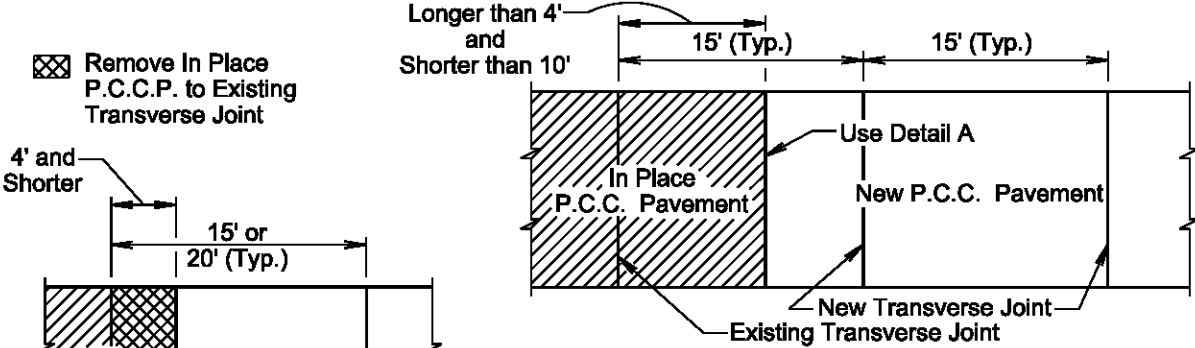
PLATE NUMBER
380.15

Sheet 1 of 2



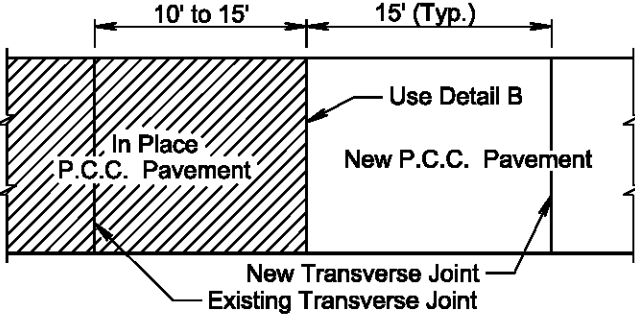
PLAN VIEW

(For typical transverse joint spacing of 20' on the current project)



PLAN VIEW

(For typical transverse joint spacing of 15' or 20' on the current project)



PLAN VIEW

(For typical transverse joint spacing of 15' on the current project)

January 22, 2023

Published Date: 2027

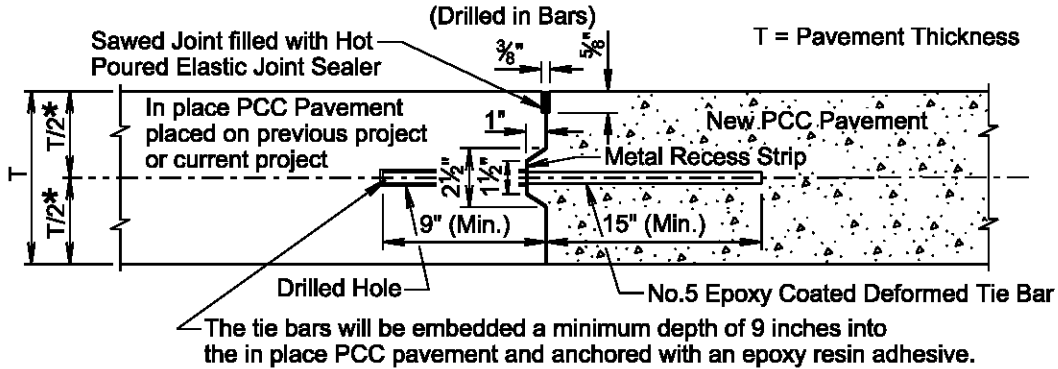
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**PCC PAVEMENT TRANSVERSE CONSTRUCTION
JOINTS WITH TIE BARS OR DOWEL BARS**

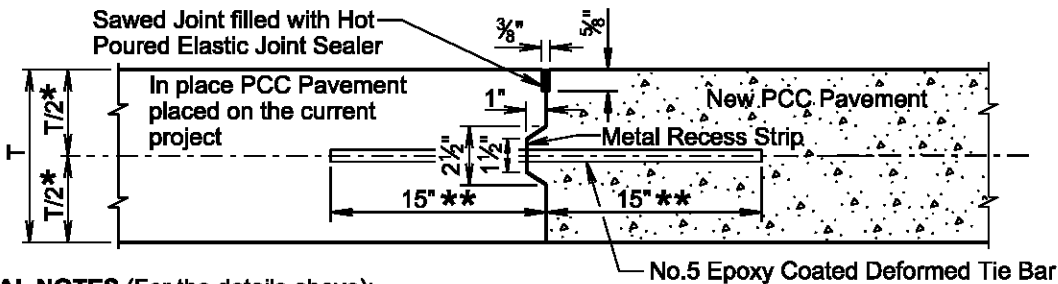
PLATE NUMBER
380.15

Sheet 2 of 2

LONGITUDINAL CONSTRUCTION JOINT WITH TIE BARS



LONGITUDINAL CONSTRUCTION JOINT WITH TIE BARS
(Inserted or Formed in Bars)



GENERAL NOTES (For the details above):

The epoxy coated deformed tie bars will be spaced in accordance with the following tables:

TIE BAR SPACING 48" MAXIMUM	
Transverse Contraction Joint Spacing	Number of Tie Bars
6.5' to 10'	2
10.5' to 14'	3
14.5' to 18'	4
18.5' to 22'	5

TIE BAR SPACING 30" MAXIMUM	
Transverse Contraction Joint Spacing	Number of Tie Bars
5' to 7'	2
7.5' to 9.5'	3
10' to 12'	4
12.5' to 14.5'	5
15' to 17'	6
17.5' to 19.5'	7
20' to 22'	8

The tie bars will be placed a minimum of 15 inches from transverse contraction joints.

The required number of tie bars as shown in the table will be uniformly spaced within each panel. The uniformly spaced tie bars will be spaced a maximum of 48 inches center to center for a female keyway and will be spaced a maximum of 30 inches center to center for a vertical face and male keyway. The maximum tie bar spacing will apply to tie bars within each panel.

The keyway illustrated in the above details depict a female keyway.

The keyway is optional and is not required. When concrete pavement is formed and a keyway is provided, a metal recess strip will be used. When concrete pavement is slip formed, a metal recess strip is not required.

- * The vertical placement tolerance for any part of the tie bar will be $\pm T/6$.
- ** The transverse placement (side shift) tolerance will be ± 3 inches when measured perpendicular to the longitudinal joint line.

November 19, 2022

Published Date: 2027

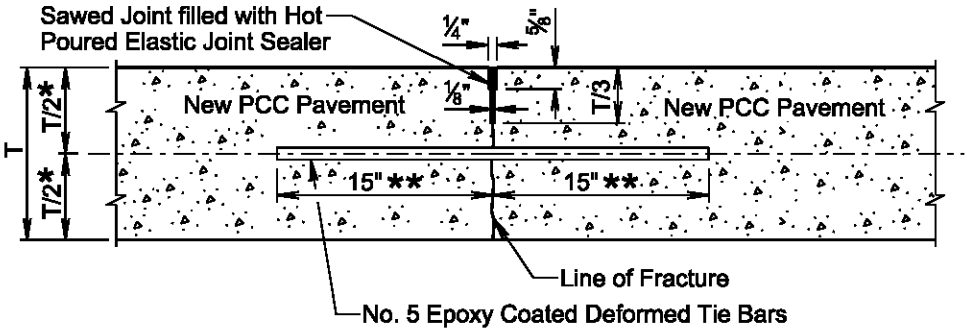
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PCC PAVEMENT LONGITUDINAL
JOINTS WITH TIE BARS

PLATE NUMBER
380.20

Sheet 1 of 2

SAWED LONGITUDINAL JOINT WITH TIE BARS
(Poured Monolithically)



T = Pavement Thickness

GENERAL NOTES (For the detail above):

The epoxy coated deformed tie bars will be spaced in accordance with the following table:

TIE BAR SPACING 48" MAXIMUM	
Transverse Contraction Joint Spacing	Number of Tie Bars
6.5' to 10'	2
10.5' to 14'	3
14.5' to 18'	4
18.5' to 22'	5

The tie bars will be placed a minimum of 15 inches from the transverse contraction joints.

The required number of tie bars as shown in the table will be uniformly spaced within each panel with a maximum space of 48 inches center to center. The maximum tie bar spacing will apply to tie bars within each panel.

The first saw cut to control cracking will be a minimum of 1/3 the thickness of the pavement. Additional sawing for widening the saw cut to provide the width for the installation of the hot poured elastic joint sealer is necessary.

- * The vertical placement tolerance for any part of the tie bar will be $\pm T/6$.
- ** The transverse placement (side shift) tolerance will be ± 3 inches when measured perpendicular to the longitudinal joint line.

November 19, 2022

Published Date: 2027

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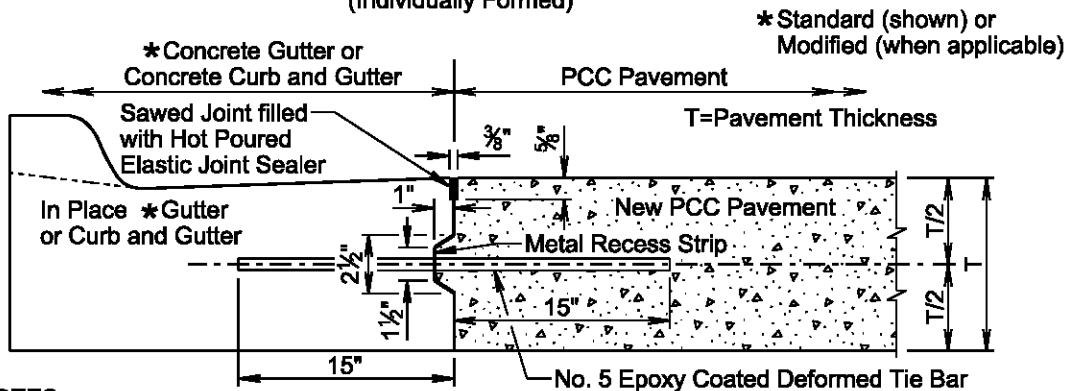
PCC PAVEMENT LONGITUDINAL
JOINTS WITH TIE BARS

PLATE NUMBER
380.20

Sheet 2 of 2

LONGITUDINAL CONSTRUCTION JOINT WITH TIE BARS

(Individually Formed)



GENERAL NOTES:

No. 5 epoxy coated deformed tie bars will be spaced 48 inches center to center. The tie bars will be placed a minimum of 15 inches from existing transverse contraction joints. The keyway shown above is a female keyway.

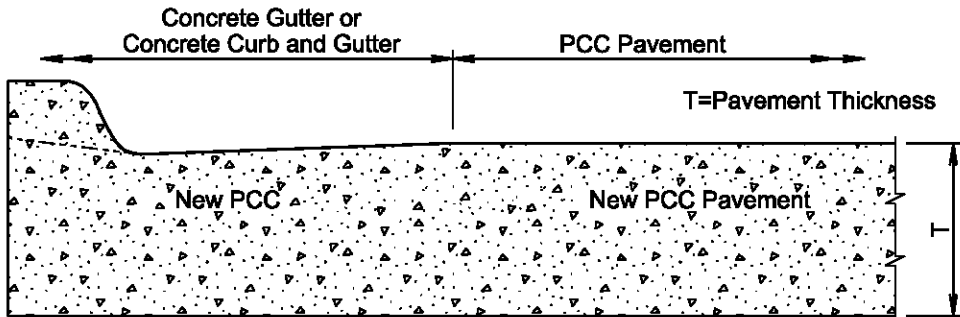
The keyway is optional and is not required. When concrete pavement is formed and a keyway is provided, a metal recess strip will be used. When concrete pavement is slip formed, a metal recess strip is not required.

The transverse contraction joints in the concrete gutter or concrete curb and gutter will be placed at each mainline PCC pavement transverse contraction joint. The transverse contraction joints in the concrete gutter or the concrete curb and gutter will be 1 1/2 inches deep if formed in fresh concrete using a suitable grooving tool. If a saw is used to cut the transverse contraction joints, then the depth of the joint will be at least 1/4 the thickness of the concrete gutter or concrete curb and gutter.

Standard curb and gutter may not be placed monolithically with PCC pavement if the mainline lane width is greater than 12 feet.

The term "In Place *Gutter or Curb and Gutter" in the above drawing indicates that the in place *concrete gutter and concrete curb and gutter was placed on the current project.

POURED MONOLITHICALLY (Standard Concrete Curb and Gutter)



GENERAL NOTES:

The mainline curb and gutter may be placed monolithically with the PCC pavement if the mainline lane width is less than or equal to 12 feet. If this method of construction is used, the tie bars and the sawed joint between the curb and gutter and the PCC pavement will be eliminated.

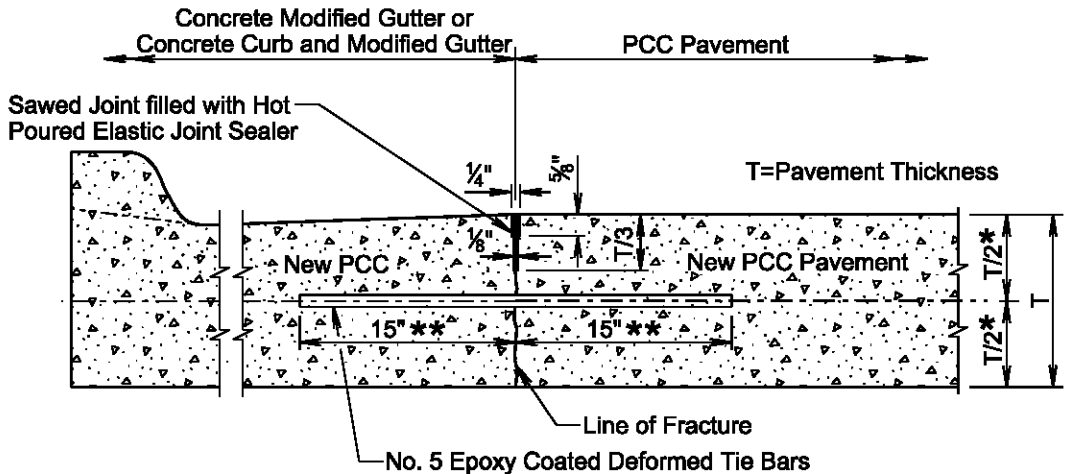
The gutter or curb and gutter will be sawed transversely at each mainline transverse contraction joint. The transverse contraction joints in the gutter or curb and gutter will be sawed and sealed same as the transverse contraction joints in the PCC pavement.

The slope of the gutter will be the slope designated for the type of gutter or curb and gutter to be constructed. The bottom slope of the gutter or curb and gutter will be constructed at the same slope as the mainline concrete pavement.

March 31, 2024

Published Date: 2027	S D D O T	PCC PAVEMENT LONGITUDINAL CONSTRUCTION JOINTS WITH CONCRETE GUTTER OR CONCRETE CURB AND GUTTER	PLATE NUMBER
			380.21
			Sheet 1 of 2

POURED MONOLITHICALLY (Concrete Curb and Modified Gutter)



GENERAL NOTES:

No. 5 epoxy coated deformed tie bars will be spaced 48 inches center to center.

The tie bars will be placed a minimum of 15 inches from existing transverse contraction joints.

The mainline curb and modified gutter may be placed monolithically with the PCC pavement if the mainline lane width is less than or equal to 14 feet.

The first saw cut to control cracking will be a minimum of 1/3 the thickness of the pavement. Additional sawing for widening the saw cut to provide the width for the installation of the hot poured elastic joint sealer is necessary.

The gutter or curb and gutter will be sawed transversely at each mainline transverse contraction joint. The transverse contraction joints in the gutter or curb and gutter will be sawed and sealed same as the transverse contraction joints in the PCC pavement.

The slope of the gutter will be the slope designated for the type of gutter or curb and gutter to be constructed. The bottom slope of the gutter or curb and gutter will be constructed at the same slope as the mainline concrete pavement.

* The vertical placement tolerance for any part of the tie bar will be $\pm T/6$.

** The transverse placement (side shift) tolerance will be ± 3 inches when measured perpendicular to the longitudinal joint line.

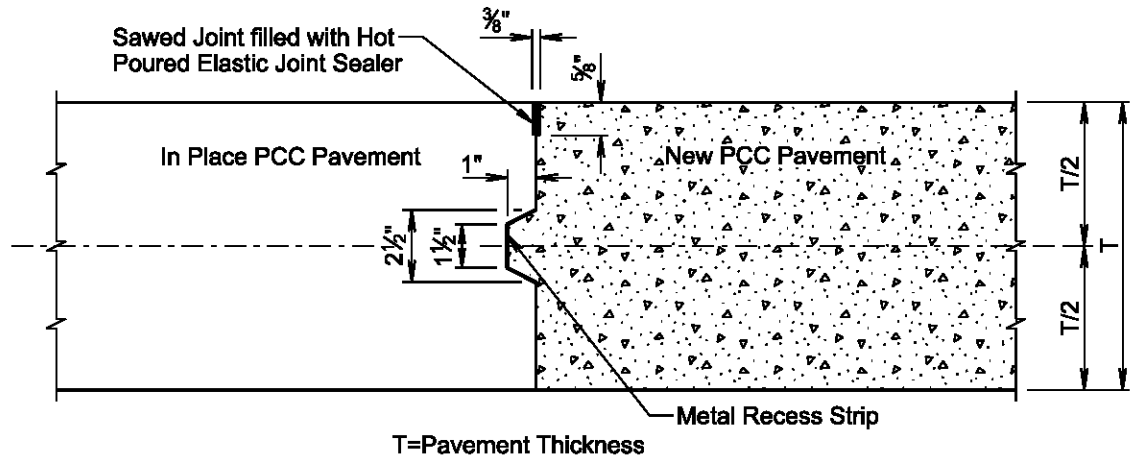
March 31, 2024

Published Date: 2027	S D D O T	PCC PAVEMENT LONGITUDINAL CONSTRUCTION JOINTS WITH CONCRETE GUTTER OR CONCRETE CURB AND GUTTER	PLATE NUMBER
			380.21
			Sheet 2 of 2

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	F57	F57

Plotting Date: 7/21/2026

LONGITUDINAL CONSTRUCTION JOINT WITHOUT TIE BARS

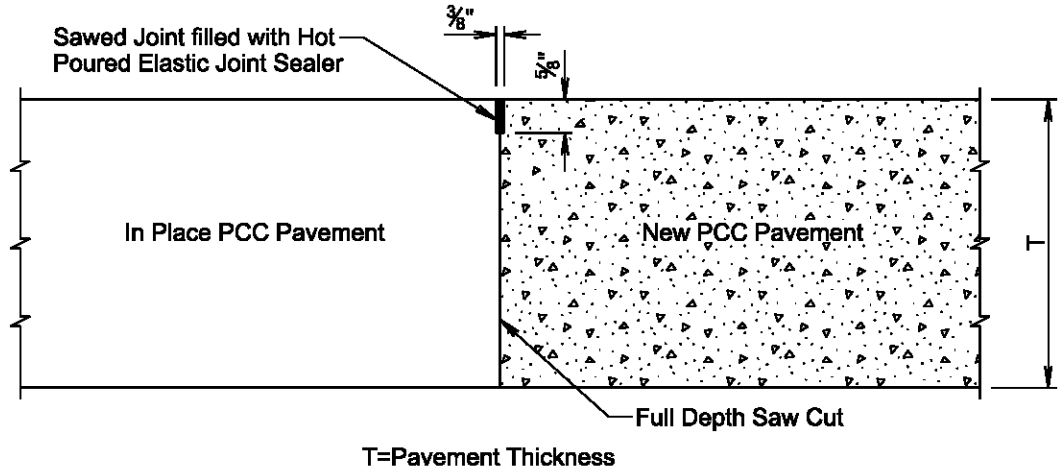


GENERAL NOTES:

When concrete pavement is formed and a keyway is provided, a metal recess strip will be used. When concrete pavement is slip formed, a metal recess strip is not required.

The term "In Place PCC Pavement" in the above drawing indicates that the in place PCC pavement was placed on the current project.

LONGITUDINAL CONSTRUCTION JOINT WITHOUT TIE BARS



GENERAL NOTE:

The term "In Place PCC Pavement" in the above drawing indicates that the in place PCC pavement was placed on a previous project.

November 19, 2022

Published Date: 2027

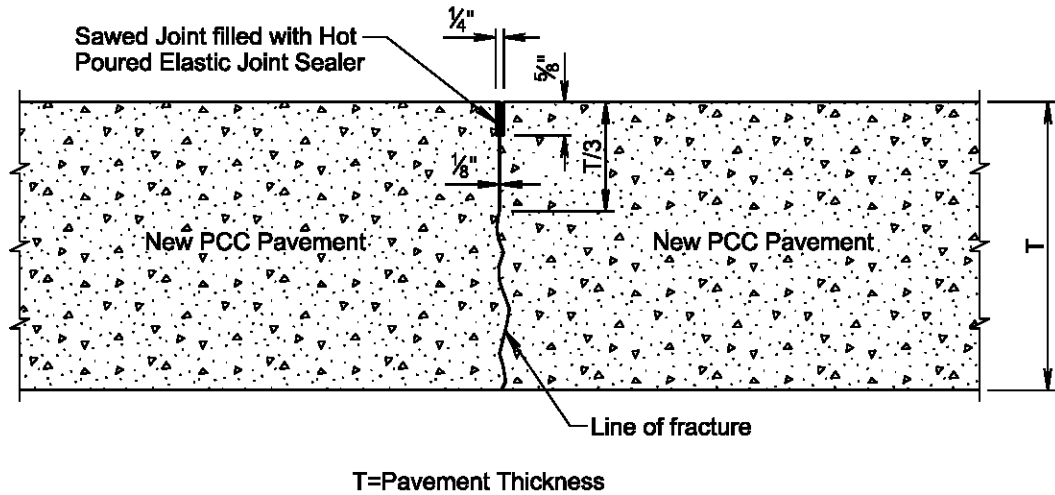
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PCC PAVEMENT LONGITUDINAL
JOINTS WITHOUT TIE BARS

PLATE NUMBER
380.22

Sheet 1 of 2

SAWED LONGITUDINAL JOINT WITHOUT TIE BARS



GENERAL NOTE:

The first saw cut to control cracking will be a minimum of 1/3 the thickness of the pavement. Additional sawing for widening the saw cut to provide the width for the installation of the hot poured elastic joint sealer will be necessary.

November 19, 2022

Published Date: 2027

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PCC PAVEMENT LONGITUDINAL
JOINTS WITHOUT TIE BARS

PLATE NUMBER
380.22

Sheet 2 of 2