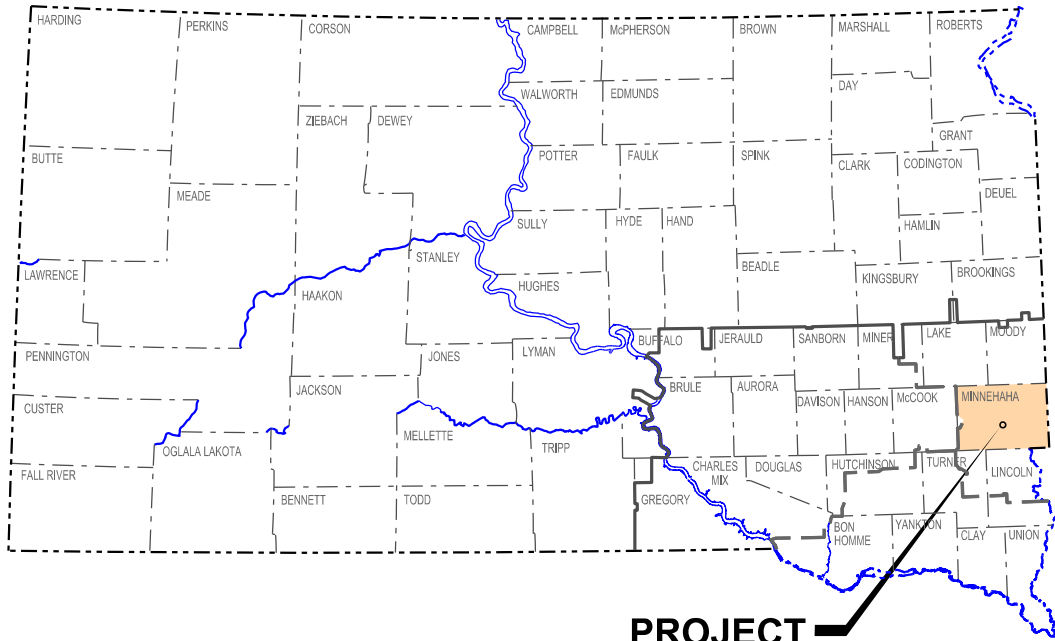


PLOT SCALE - 1"=70'



PROJECT

STATE OF SOUTH DAKOTA  
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED

PROJECT 0009-271 AND  
PROJECT 000N-171  
MINNEHAHA COUNTY

RESURFACE PARKING LOT AND CURB AND GUTTER REPAIR

PCN I7EF (PAGE 1-12)

ASPHALT PAD CONSTRUCTION

PCN I7VL (PAGE 13-17)

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	0009-271 000N-171		
		1	17

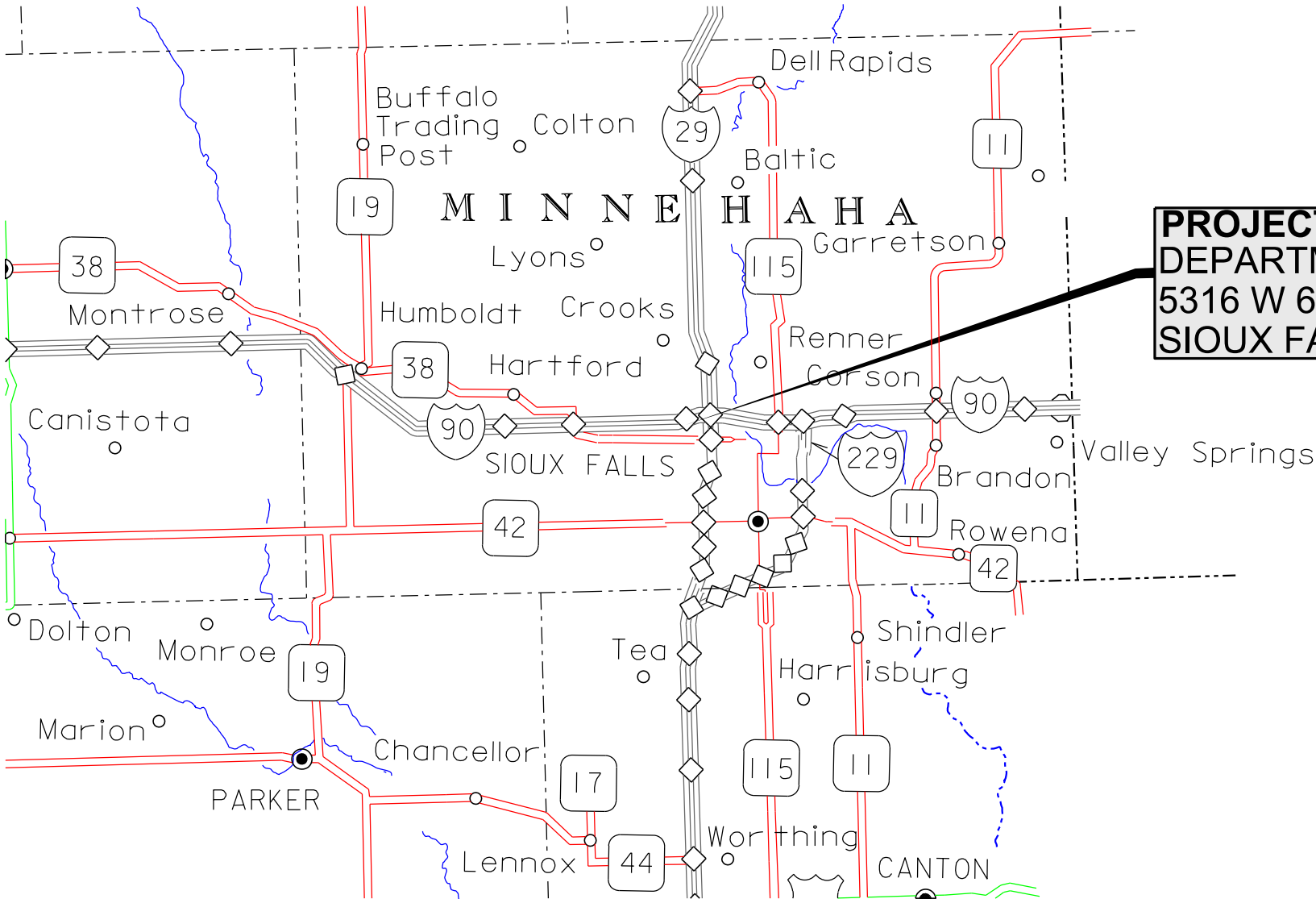
Plotting Date: 02/10/25

INDEX OF SHEETS

Page 1	Title Sheet
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Page 8	Curb Repair Layout
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**STORM WATER PERMIT**  
(None required)



**PROJECT**  
DEPARTMENT OF TRANSPORTATION  
5316 W 60th ST N  
SIOUX FALLS

PLOTTED FROM - TRSF12147

FILE - ...I7EF.DGN

PLOT NAME - 1

PLOT SCALE - 1:173,706

PLOTTED FROM - TRSF12147

# Site Location

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	0009-271 000N-171	2	17

Plotting Date: 02/10/25



PLOT NAME - 2

FILE - ... \17EF.DGN



South Dakota Department of Transportation  
5316 W 60th St N, Sioux Falls SD 57107

Project Limits



**ENVIRONMENTAL COMMITMENTS**

The SDDOT is committed to protecting the environment and uses Environmental Commitments as a communication tool for the Engineer and Contractor to ensure that attention is given to avoid, minimize, and/or mitigate an environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency with permitting authority can delay a project if identified environmental impacts have not been adequately addressed. Unless otherwise designated, the Contractor's primary contact regarding matters associated with these commitments will be the Project Engineer. During construction, the Project Engineer will verify that the Contractor has met Environmental Commitment requirements. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office.

Additional guidance on SDDOT's Environmental Commitments can be accessed through the Environmental Procedures Manual found at: <<https://dot.sd.gov/media/documents/EnvironmentalProceduresManual.pdf> >

For questions regarding change orders in the field that may have an effect on an Environmental Commitment, the Project Engineer will contact the Environmental Engineer at 605-773-3180 or 605-773-4336 to determine whether an environmental analysis and/or resource agency coordination is necessary.

Once construction is complete, the Project Engineer will review all environmental commitments for the project and document their completion.

**COMMITMENT E: STORM WATER**

Construction activities constitute less than 1 acre of disturbance.

**Action Taken/Required:**

At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site.

**COMMITMENT H: WASTE DISPOSAL SITE**

The Contractor will furnish a site(s) for the disposal of construction and/or demolition debris generated by this project.

**Action Taken/Required:**

The waste disposal site(s) will be managed and reclaimed in accordance with the following from the General Permit for Construction/Demolition Debris Disposal Under the South Dakota Waste Management Program issued by the Department of Agriculture and Natural Resources.

The waste disposal site(s) will not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Environmental Office and the Project Engineer.

If the waste disposal site(s) is located such that it is within view of any ROW, the following additional requirements will apply:

1. Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials will be buried in a trench separate from wood debris. The final cover over the construction and/or demolition debris will consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the Public ROW will be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor will control the access to waste disposal sites not within the Public ROW with fences, gates, and placement of a sign or signs at the entrance to the site stating, "No Dumping Allowed".

2. Concrete and asphalt concrete debris may be stockpiled within view of the ROW for a period not to exceed the duration of the project. Prior to project completion, the waste will be removed from view of the ROW or buried, and the waste disposal site reclaimed as noted above.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06. Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

All costs associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates, and signs), and reclamation of the waste disposal site(s) will be incidental to the various contract items.

**COMMITMENT I: HISTORIC PRESERVATION OFFICE CLEARANCES**

State Historic Preservation Office (SHPO or THPO) concurrence has not been obtained for this project.

**Action Taken/Required:**

All earth disturbing activities not designated within the plans require a cultural resource review prior to scheduling the pre-construction meeting. This work includes but is not limited to: Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas.

The Contractor will arrange and pay for a record search and when necessary, a cultural resource survey. The Contractor has the option to contact the state Archaeological Research Center (ARC) at 605-394-1936 or another qualified archaeologist, to obtain either a records search or a cultural resources survey. A record search might be sufficient for review if the site was previously surveyed; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor will provide ARC with the following: a topographical map or aerial view in which the site is clearly outlined, site dimensions, project number, and PCN. If applicable, provide evidence that the site has been previously disturbed by farming, mining, or construction activities with a landowner statement that artifacts have not been found on the site.

The Contractor will submit the cultural resources survey report to SDDOT Environmental Office, 700 East Broadway Avenue, Pierre, SD 57501-2586. SDDOT will submit the information to the appropriate SHPO/THPO. Allow **30 Days** from the date this information is submitted to the Environmental Engineer for SHPO/THPO review.

In the event of an inadvertent discovery of human remains, funerary objects, or if evidence of cultural resources is identified during project construction activities, then such activities within 100 feet of the inadvertent discovery will immediately cease and the Project Engineer will be immediately notified. The Project Engineer will contact the SDDOT Environmental Office, who will contact the appropriate SHPO/THPO within 48 hours of the discovery to determine an appropriate course of action.

The Contractor is responsible for obtaining any additional permits and clearances for Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas that affect wetlands, threatened and endangered species, or waterways. The Contractor will not utilize a site known or suspected of having contaminated soil or water. The Contractor will provide the required permits and clearances to the Project Engineer at the preconstruction meeting.

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
110E0300	Remove Concrete Curb and/or Gutter	417	Ft
110E0420	Remove Drop Inlet Frame and Grate Assembly	2	Each
110E1010	Remove Asphalt Concrete Pavement	193.9	SqYd
120E0100	Unclassified Excavation, Digouts	30	CuYd
260E1090	Base Course, State Furnished	100.0	Ton
320E1200	Asphalt Concrete Composite	2,266.0	Ton
332E0010	Cold Milling Asphalt Concrete	20,134	SqYd
380E3540	8" PCC Approach Pavement	33.3	SqYd
633E1222	High Build Waterborne Pavement Marking Paint, 4" Yellow	484	Ft
650E0060	Type B66 Concrete Curb and Gutter	287	Ft
650E3080	Type B8 Concrete Curb	80	Ft
650E4660	Type P6 Concrete Gutter	50	Ft
650E6280	8" Concrete Valley Gutter	143.1	SqYd
670E2200	Type C Frame and Grate	2	Each
734E0010	Erosion Control	Lump Sum	LS

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 2015 Edition and Required Provisions, Supplemental Specifications, and Special Provisions as included in the Proposal.

UNCLASSIFIED EXCAVATION, DIGOUTS

The locations and extent of digout areas will be determined in the field by the Engineer. The backfilling material for the digouts will be Base Course, Salvaged.

Included in the Estimate of Quantities are 30 cubic yards of Unclassified Excavation, Digouts

SURFACING THICKNESS DIMENSIONS

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

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

COLD MILLING ASPHALT CONCRETE

Cold milling will be done according to the Cold Milling Layout.

Cold milling is estimated to produce 2266 tons of cold milled asphalt concrete material.

The salvaged asphalt concrete material will become the property of the Contractor for disposal.

ASPHALT CONCRETE COMPOSITE

MC-70 Asphalt for Prime for Asphalt Concrete Composite will not be required.

PG 58-34 or PG64-34 binder will be required for Asphalt Concrete Composite.

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

Asphalt concrete surfacing will start within 10 working days of the beginning of cold milling.

FLUSH SEAL

Application of the flush seal will be completed within 5 working days following completion of the asphalt concrete resurfacing.

Sand will not be required during the flush seal process.

HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT

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

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

Reflective media will consist of glass beads.

High Build Waterborne Pavement Marking Paint applied after October 15 must be formulated as cold-weather waterborne paint. Cold weather waterborne paint will meet the requirements of Section 980.1 C.

Solid 4" line = 27.8 Gals/Mile

Glass Beads = 8.0 Lbs/Gal.

Included in the estimate of quantities is an additional 340 feet of High Build Waterborne Pavement Marking Paint 4" Yellow for painting of luminaire footings extending from the ground.

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

BASE COURSE, STATE FURNISHED

Base Course, State Furnished estimated quantity of 100 tons of granular material for the purpose of backfilling digout areas, curb and gutter replacement areas, and valley gutter will be obtained from the stockpile located at the Sioux Falls DOT complex (5316 W 60th St N # A, Sioux Falls, SD 57107).

Material for PCC approach pavement is incidental to that bid item.

No gradation testing will be required for the Base Course, State Furnished material.

EROSION CONTROL

All costs for the erosion control work for furnishing, placing, and maintaining erosion control including equipment, labor, seeding, and fertilizing be incidental to the contract lump sum price for "Erosion Control".

Erosion control will be required to around the curb and gutter replacement areas, approach pavement area, and any additional areas that the Engineer deems necessary.

CURB AND/OR GUTTER REPAIR

The Contractor will make the best effort to protect the new asphalt around the complex when removal and replacement of the curb and/or gutter takes place.

SEQUENCE OF OPERATIONS

The Contractor will submit a sequence of operations for approval two weeks prior to the preconstruction meeting. If changes to the sequence of operations are proposed during the project, these must be submitted for review a minimum of one week prior to potential implementation. Approval for changes to the sequence of operations will only be allowed when the proposed changes meet with the Department's intent for traffic control and sequencing of the work.

UTILITIES

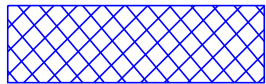
The Contractor will be aware of the existing utilities in the work area. Any utilities that are come in contact with will be the responsibility of the Contractor. The Contractor will contact each utility owner and confirm the status of all existing and new utility facilities.



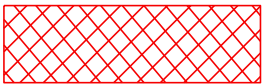
# Removal Layout

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	0009-271 000N-171		
		5	17

Plotting Date: 02/10/25



Cold Mill 2" of Asphalt  
Concrete



Remove Asphalt Concrete

Removals to be marked by the Engineer





PLOT SCALE - 1:104,224

PLOTTED FROM - TRSF12147

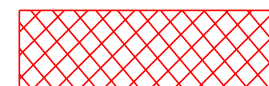
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	0009-271 000N-171	6	17

Plotting Date: 02/10/25

# Surfacing Layout



2" Asphalt Concrete  
Composite (One - 2" Lift)



8" Concrete Valley Gutter

Valley Gutter Limits to be marked by the Engineer



PLOT NAME - 4

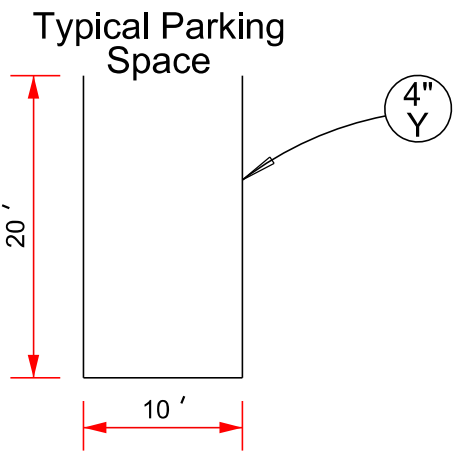
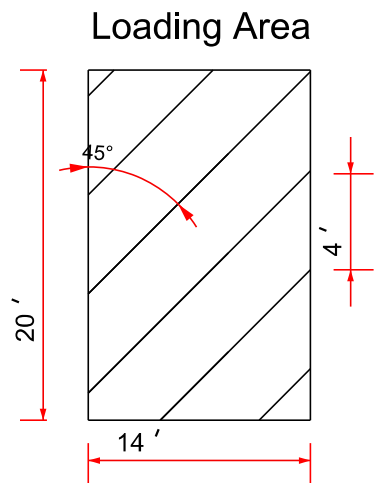
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# Parking Space Paint Layout

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	0009-271 000N-171	7	17

Plotting Date: 02/10/25



Pavement Marking Locations to be Marked by Contractor and Checked by Engineer

PLOT SCALE - 1:104,224

PLOTTED FROM - TRSF12147

PLOT NAME - 5

FILE - ... \17EF.DGN



PLOT SCALE - 1:173.706

PLOTTED FROM - TRSF12147

# Curb Repair Layout


STATE OF SOUTH DAKOTA	PROJECT 0009-271 000N-171	SHEET 8	TOTAL SHEETS 17
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Plotting Date: 02/10/25




Curb Repair Locations to be Marked by the Engineer

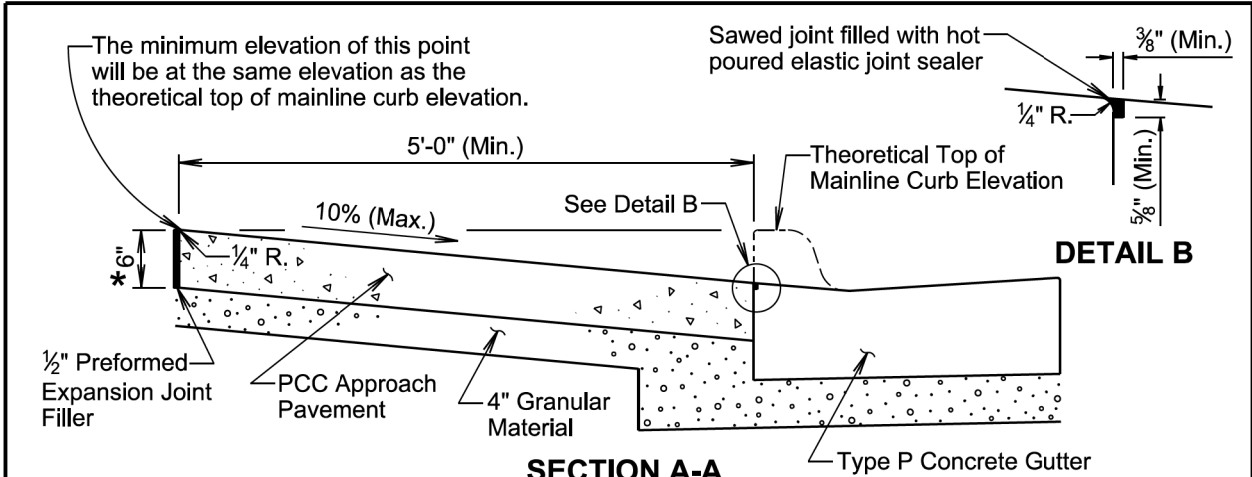
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 Type B Concrete Curb and Gutter

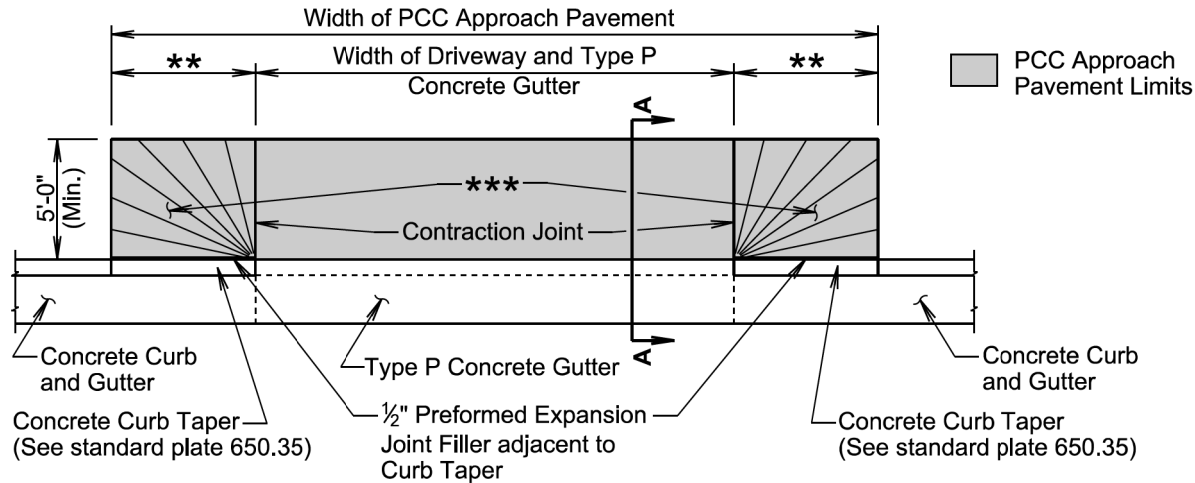
 Type B Concrete Curb

 Type P Concrete Gutter and Approach





- \* 8" at Commercial Approaches
- \*\* Width for 6" high curb is 6' (See standard plate 650.35)
- \*\*\* Within these areas, the surface of the type A PCC approach pavement will be sloped transitionally as approved by the Engineer.



**GENERAL NOTES:**

The concrete for the type A PCC approach pavement and adjacent driveway will comply with the requirements of the Specifications for class M6 concrete unless otherwise stated in the plans.

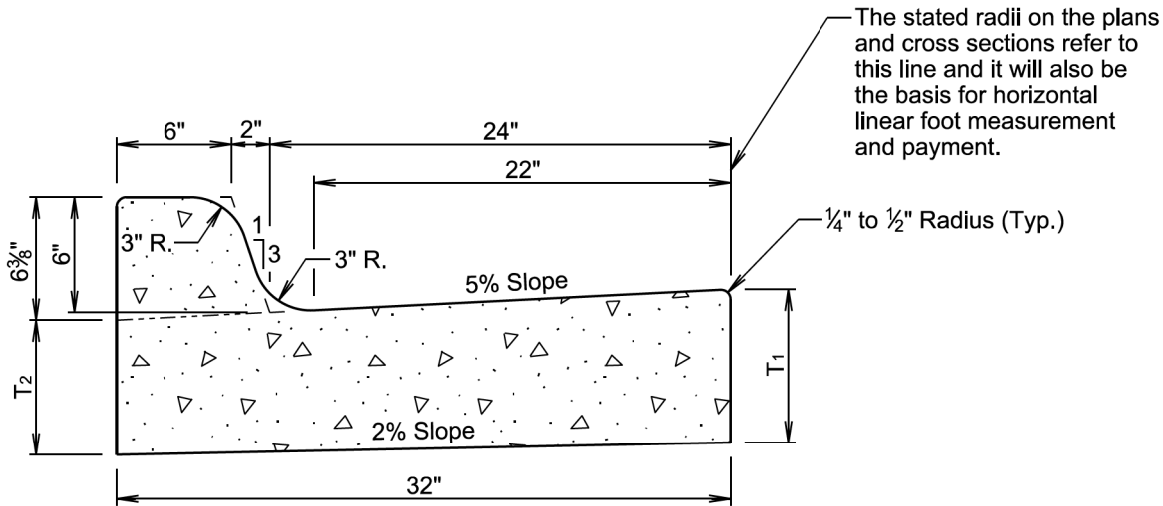
Contraction joints in the type A PCC approach pavement will be 1½ inches deep if formed in the fresh concrete using a suitable grooving tool. If a saw is used to cut the contraction joints, then the depth of the joint will be at least ¼ the thickness of the approach pavement. Additional contraction joints not shown in the Plan View will be spaced as follows:

- One joint at the center of the approach for driveways 16 feet to 24 feet wide.
- Two joints spaced at equal intervals for driveways greater than 24 feet to 40 feet wide.

All costs for furnishing and placing the type A PCC approach pavement and constructing the expansion and contraction joints including labor, equipment, excavation, and materials including the earthen backfill and granular material, will be incidental to the contract unit price per square yard for the corresponding PCC Approach Pavement contract item.

June 26, 2019

Published Date: 2025	S D D O T	TYPE A PCC APPROACH PAVEMENT	PLATE NUMBER 380.40
			Sheet 1 of 1



TYPE B CONCRETE CURB AND GUTTER				
Type	T <sub>1</sub> (Inches)	T <sub>2</sub> (Inches)	Cu. Yd. Per Lin. Ft.	Lin. Ft. Per Cu. Yd.
B66	6	5 1/16	0.057	17.7
B67	7	6 1/16	0.065	15.4
B68	8	7 1/16	0.073	13.7
B68.5	8.5	7 9/16	0.077	13.0
B69	9	8 1/16	0.081	12.3
B69.5	9.5	8 9/16	0.085	11.7
B610	10	9 1/16	0.090	11.2
B610.5	10.5	9 9/16	0.094	10.7
B611	11	10 1/16	0.098	10.2
B611.5	11.5	10 9/16	0.102	9.8
B612	12	11 1/16	0.106	9.4

**GENERAL NOTES:**

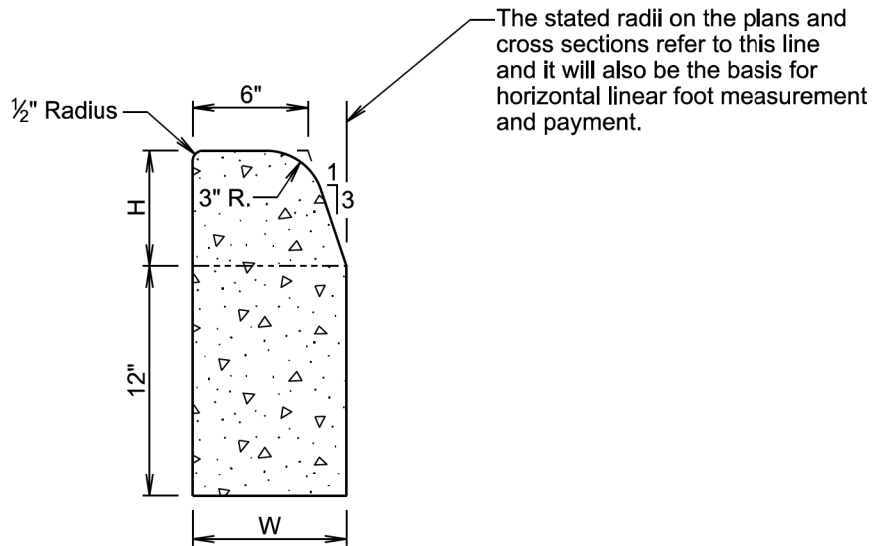
When concrete curb and gutter longitudinally adjoins new concrete pavement, the method of attachment will be by one of the methods shown on standard plate 380.21.

See standard plate 650.90 for expansion and contraction joints in the curb and gutter.

January 22, 2023

Published Date: 2025	S D D O T	TYPE B CONCRETE CURB AND GUTTER	PLATE NUMBER 650.01
			Sheet 1 of 1

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	0009-271 000N-171		
Plotting Date: 02/04/2025		10	17



TYPE B CONCRETE CURB				
Type	H (Inches)	W (Inches)	Cu. Yd. Per Lin. Ft.	Lin. Ft. Per Cu. Yd.
B6	6	8	0.0353	28.4
B7	7	8 3/8	0.0383	26.1
B8	8	8 5/8	0.0414	24.1
B9	9	9	0.0449	22.3
B10	10	9 3/8	0.0485	20.6

GENERAL NOTES:

The concrete for the type B concrete curb will comply with the requirements of the specifications for class M6 concrete.

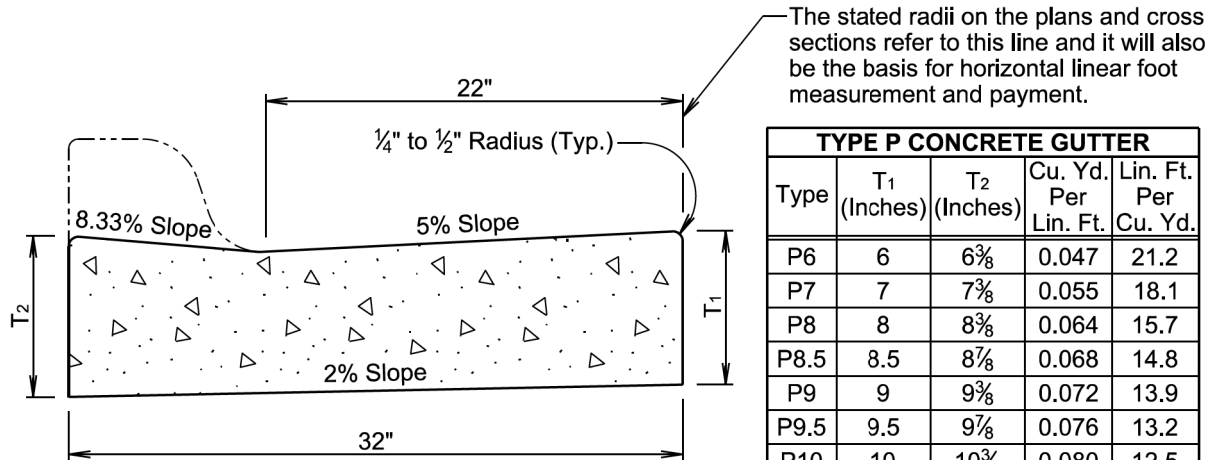
A 1/2" preformed expansion joint filler will be placed transversely in the curb at the following locations:

1. At each junction between the radius return of curb and curb which is parallel to the project centerline.
2. At each junction between the existing curb and new curb or curb and gutter.
3. At each junction between the curb and existing sidewalk to the depth of the sidewalk.

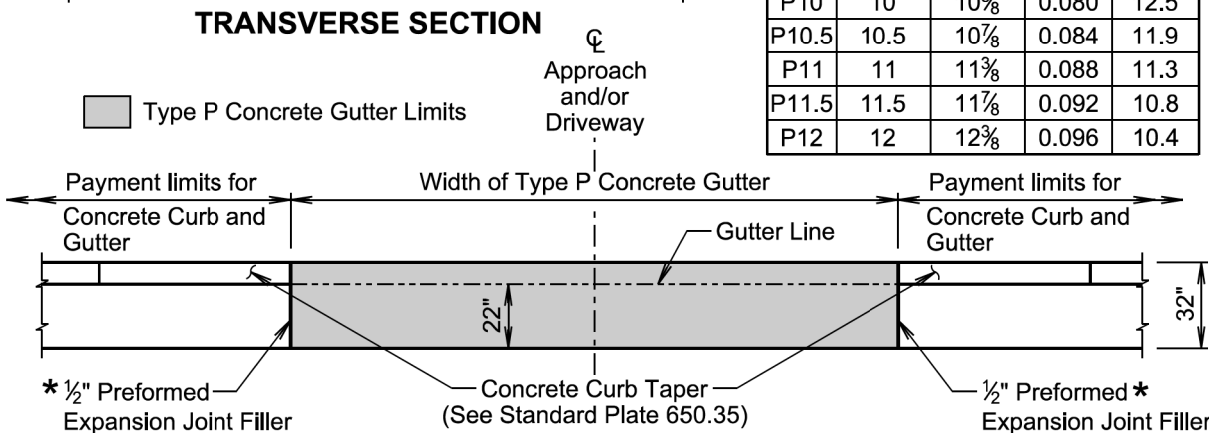
See standard plate 650.90 for contraction joints in the curb.

December 23, 2019

Published Date: 2025	S D D O T	TYPE B CONCRETE CURB	PLATE NUMBER 650.02
			Sheet 1 of 1



TYPE P CONCRETE GUTTER				
Type	T1 (Inches)	T2 (Inches)	Cu. Yd. Per Lin. Ft.	Lin. Ft. Per Cu. Yd.
P6	6	6 3/8	0.047	21.2
P7	7	7 3/8	0.055	18.1
P8	8	8 3/8	0.064	15.7
P8.5	8.5	8 7/8	0.068	14.8
P9	9	9 3/8	0.072	13.9
P9.5	9.5	9 7/8	0.076	13.2
P10	10	10 3/8	0.080	12.5
P10.5	10.5	10 7/8	0.084	11.9
P11	11	11 3/8	0.088	11.3
P11.5	11.5	11 7/8	0.092	10.8
P12	12	12 3/8	0.096	10.4



\* Joint will not be needed if concrete curb and gutter and type P concrete gutter is placed at the same time. If the 1/2" preformed expansion joint filler is provided, then the joint will be sealed in accordance with standard plate 650.90.

GENERAL NOTES:

The concrete for the type P concrete gutter will comply with the requirements of the specifications for class M6 concrete.

When concrete gutter longitudinally adjoins new concrete pavement, the method of attachment will be by one of the methods shown on standard plate 380.21.

Transverse contraction joints will be constructed at 10-foot intervals in the concrete gutter except when concrete gutter is constructed adjacent to mainline PCC pavement. When concrete gutter is constructed adjacent to mainline PCC pavement, a transverse contraction joint will be constructed in the concrete gutter at each mainline PCC pavement transverse contraction joint location.

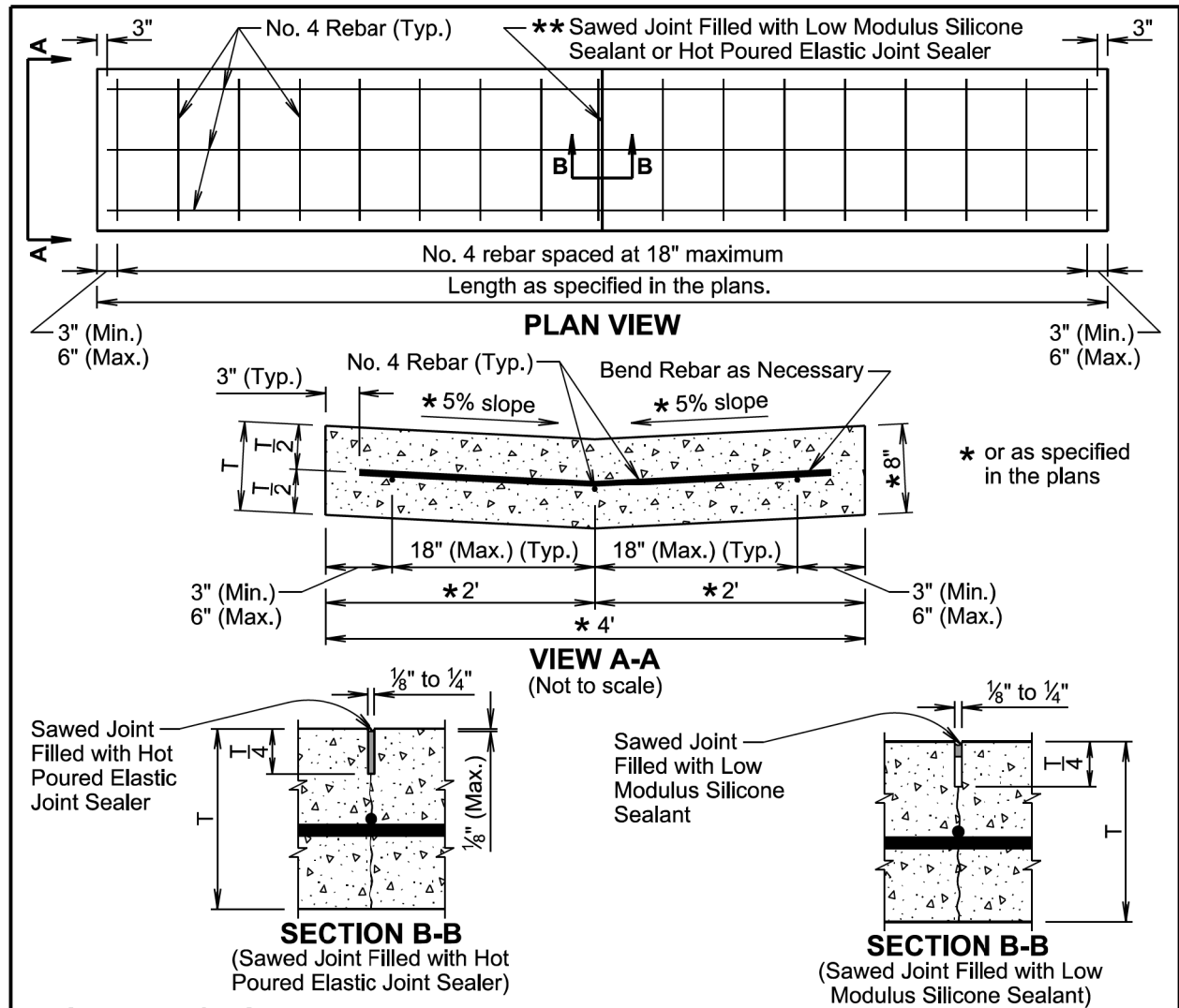
When concrete gutter is placed monolithically with mainline PCC pavement, the transverse contraction joints in the concrete gutter will be sawed and sealed the same as the transverse contraction joints in the mainline PCC pavement.

When concrete gutter is not placed monolithically with the mainline PCC pavement and when the adjacent mainline surfacing is not PCC concrete, the transverse contraction joints in the concrete gutter will be 1 1/2 inches deep if formed in the fresh concrete using a suitable grooving tool. If a saw is used to cut the contraction joints, then the depth of the joint will be at least 1/4 the thickness of the concrete.

January 22, 2023

Published Date: 2025	S D D O T	TYPE P CONCRETE GUTTER	PLATE NUMBER 650.30
			Sheet 1 of 1





**GENERAL NOTES:**

The concrete will comply with the specifications for class M6 concrete.

The reinforcing steel will comply with the requirements of specification sections 480 and 1010.

If a lap splice is provided the No. 4 rebar will be lapped a minimum of 12 inches.

\*\* The sawed joints will be spaced at 12 feet; however, when the length of the valley gutter is 12 feet to 24 feet there will be a joint at the midpoint of the length. The saw cut to control cracking will be a minimum of 1/4 the thickness of the pavement.

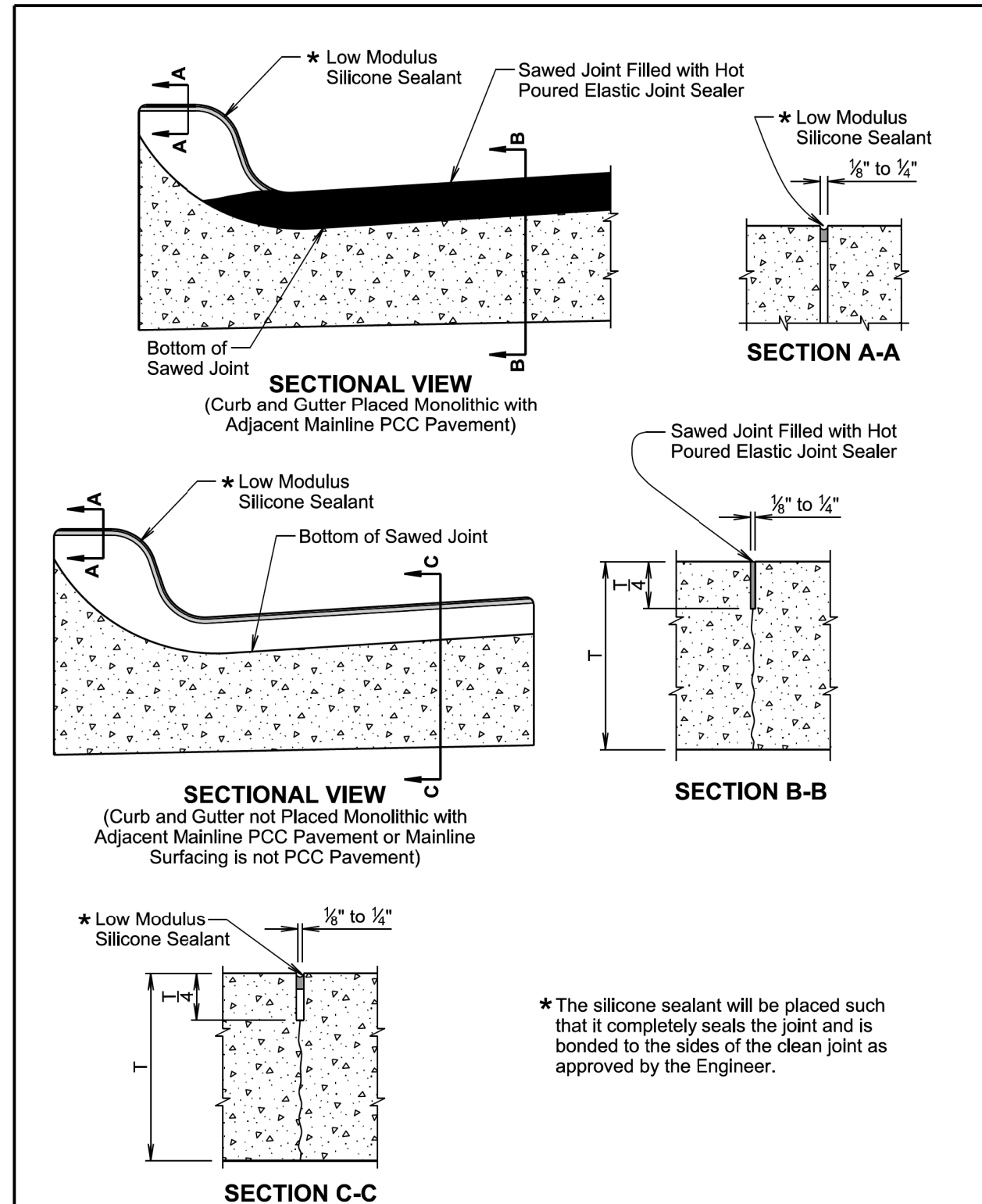
All hot poured elastic joint sealer material spilled on the surface of the concrete pavement will be removed as soon as the material has cooled. The extent of removal of material will be to the satisfaction of the Engineer. All costs for removal of the spilled joint sealer material will be borne by the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

The silicone sealant will be bonded to the sides of a clean joint to completely seal the joint as approved by the Engineer.

All costs for furnishing and installing the valley gutter including materials, equipment, labor, and incidentals will be included in the contract unit price per square yard for the corresponding Valley Gutter contract item.

December 23, 2019

Published Date: 2025	S D D O T	VALLEY GUTTER	PLATE NUMBER 650.40
			Sheet 1 of 1



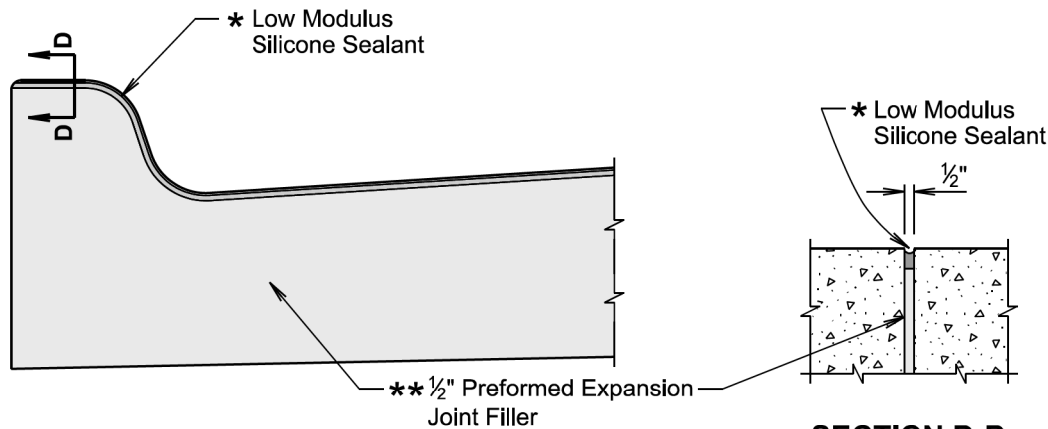
\* The silicone sealant will be placed such that it completely seals the joint and is bonded to the sides of the clean joint as approved by the Engineer.

December 23, 2019

Published Date: 2025	S D D O T	JOINTS IN CONCRETE CURB AND GUTTER	PLATE NUMBER 650.90
			Sheet 1 of 2

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	0009-271 000N-171	12	17

Plotting Date: 02/04/2025



**SECTIONAL VIEW**  
(Curb and Gutter at 1/2" Preformed Expansion Joint Filler Location)

**SECTION D-D**

**GENERAL NOTES:**

For illustrative reason, only the type B curb and gutter is shown.

\*\* A 1/2-inch preformed expansion joint filler will be placed transversely in the curb and gutter at the following locations:

At each junction between the radius return of curb and gutter, and curb and gutter which is parallel to the project centerline.

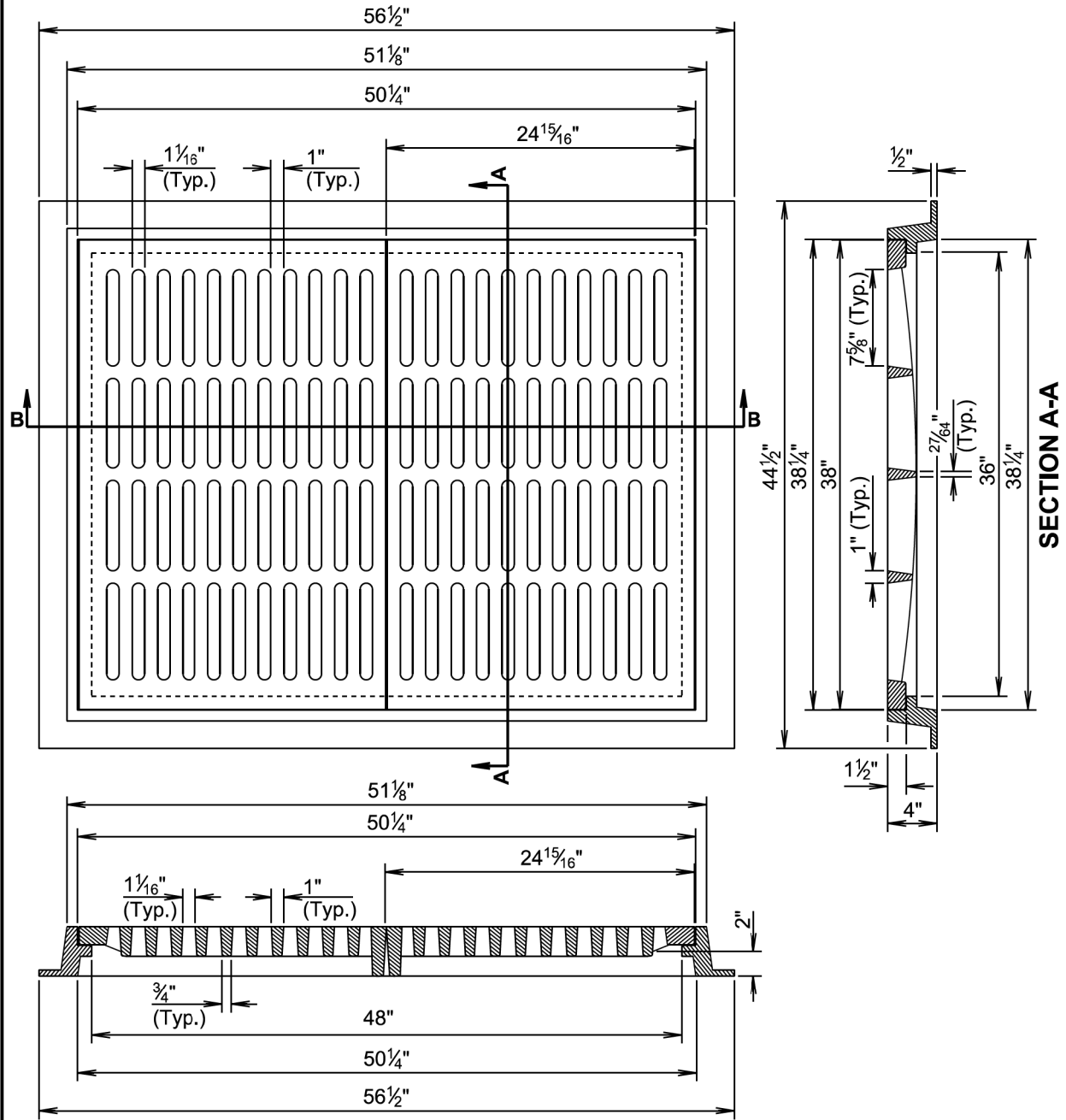
At each junction between new curb and gutter and existing curb and gutter.

Transverse contraction joints will be constructed at 10 foot intervals in the concrete curb and gutter except when the concrete curb and gutter is constructed adjacent to mainline PCC pavement. When concrete curb and gutter is constructed adjacent to mainline PCC pavement, a transverse contraction joint will be constructed in the concrete curb and gutter at each mainline PCC pavement transverse contraction joint location.

When concrete curb and gutter is not placed monolithically with the mainline PCC pavement or when the adjacent mainline surfacing is not PCC concrete, the transverse contraction joints in the concrete curb and gutter will be 1 1/2 inches deep if formed in the fresh concrete using a suitable grooving tool. If a saw is used to cut the contraction joints, then the depth of the joint will be at least 1/4 the thickness of the concrete and the joint will be sealed in accordance with the details shown above.

December 23, 2019

<i>Published Date: 2025</i>	<b>S D D O T</b>	<b>JOINTS IN CONCRETE CURB AND GUTTER</b>	PLATE NUMBER 650.90
			Sheet 2 of 2



**SECTION B-B**

**GENERAL NOTES:**

The product dimensions may vary from those shown on the standard plate depending on the manufacturer. Grate size and configuration will be similar to the standard plate for hydraulic capacity. Any variation in dimensions will be approved by the Engineer and the type C frame and grate will be from a manufacturer on the approved products list.

Design load for the grate will meet the requirements of AASHTO HL-93.

March 31, 2024

<i>Published Date: 2025</i>	<b>S D D O T</b>	<b>TYPE C FRAME AND GRATE</b>	PLATE NUMBER 670.82
			Sheet 1 of 1



PLOT SCALE - 1:173,706

PLOTTED FROM - TRSF12147

# Site Location

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	0009-271 000N-171	13	17

Plotting Date: 02/10/25



PLOT NAME - 7

FILE - ... \17EF.DGN

South Dakota Department of Transportation  
5316 W 60th St N, Sioux Falls SD 57107

Project Limits

**ENVIRONMENTAL COMMITMENTS**

The SDDOT is committed to protecting the environment and uses Environmental Commitments as a communication tool for the Engineer and Contractor to ensure that attention is given to avoid, minimize, and/or mitigate an environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency with permitting authority can delay a project if identified environmental impacts have not been adequately addressed. Unless otherwise designated, the Contractor's primary contact regarding matters associated with these commitments will be the Project Engineer. During construction, the Project Engineer will verify that the Contractor has met Environmental Commitment requirements. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office.

Additional guidance on SDDOT's Environmental Commitments can be accessed through the Environmental Procedures Manual found at: <<https://dot.sd.gov/media/documents/EnvironmentalProceduresManual.pdf> >

For questions regarding change orders in the field that may have an effect on an Environmental Commitment, the Project Engineer will contact the Environmental Engineer at 605-773-3180 or 605-773-4336 to determine whether an environmental analysis and/or resource agency coordination is necessary.

Once construction is complete, the Project Engineer will review all environmental commitments for the project and document their completion.

**COMMITMENT E: STORM WATER**

Construction activities constitute less than 1 acre of disturbance.

**Action Taken/Required:**

At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site.

**COMMITMENT H: WASTE DISPOSAL SITE**

The Contractor will furnish a site(s) for the disposal of construction and/or demolition debris generated by this project.

**Action Taken/Required:**

The waste disposal site(s) will be managed and reclaimed in accordance with the following from the General Permit for Construction/Demolition Debris Disposal Under the South Dakota Waste Management Program issued by the Department of Agriculture and Natural Resources.

The waste disposal site(s) will not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Environmental Office and the Project Engineer.

If the waste disposal site(s) is located such that it is within view of any ROW, the following additional requirements will apply:

1. Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials will be buried in a trench separate from wood debris. The final cover over the construction and/or demolition debris will consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the Public ROW will be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor will control the access to waste disposal sites not within the Public ROW with fences, gates, and placement of a sign or signs at the entrance to the site stating, "No Dumping Allowed".

2. Concrete and asphalt concrete debris may be stockpiled within view of the ROW for a period not to exceed the duration of the project. Prior to project completion, the waste will be removed from view of the ROW or buried, and the waste disposal site reclaimed as noted above.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06. Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

All costs associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates, and signs), and reclamation of the waste disposal site(s) will be incidental to the various contract items.

**COMMITMENT I: HISTORIC PRESERVATION OFFICE CLEARANCES**

State Historic Preservation Office (SHPO or THPO) concurrence has not been obtained for this project.

**Action Taken/Required:**

All earth disturbing activities not designated within the plans require a cultural resource review prior to scheduling the pre-construction meeting. This work includes but is not limited to: Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas.

The Contractor will arrange and pay for a record search and when necessary, a cultural resource survey. The Contractor has the option to contact the state Archaeological Research Center (ARC) at 605-394-1936 or another qualified archaeologist, to obtain either a records search or a cultural resources survey. A record search might be sufficient for review if the site was previously surveyed; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor will provide ARC with the following: a topographical map or aerial view in which the site is clearly outlined, site dimensions, project number, and PCN. If applicable, provide evidence that the site has been previously disturbed by farming, mining, or construction activities with a landowner statement that artifacts have not been found on the site.

The Contractor will submit the cultural resources survey report to SDDOT Environmental Office, 700 East Broadway Avenue, Pierre, SD 57501-2586. SDDOT will submit the information to the appropriate SHPO/THPO. Allow **30 Days** from the date this information is submitted to the Environmental Engineer for SHPO/THPO review.

In the event of an inadvertent discovery of human remains, funerary objects, or if evidence of cultural resources is identified during project construction activities, then such activities within 100 feet of the inadvertent discovery will immediately cease and the Project Engineer will be immediately notified. The Project Engineer will contact the SDDOT Environmental Office, who will contact the appropriate SHPO/THPO within 48 hours of the discovery to determine an appropriate course of action.

The Contractor is responsible for obtaining any additional permits and clearances for Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas that affect wetlands, threatened and endangered species, or waterways. The Contractor will not utilize a site known or suspected of having contaminated soil or water. The Contractor will provide the required permits and clearances to the Project Engineer at the preconstruction meeting.



BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
110E1010	Remove Asphalt Concrete Pavement	1,421.4	SqYd
250E0020	Incidental Work, Grading	Lump Sum	LS
260E1090	Base Course, State Furnished	250.0	Ton
320E1200	Asphalt Concrete Composite	1,296.8	Ton

**SPECIFICATIONS**

Standard Specifications for Roads and Bridges, 2015 Edition and Required Provisions, Supplemental Specifications, and Special Provisions as included in the Proposal.

**SURFACING THICKNESS DIMENSIONS**

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

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

**REMOVING ASPHALT CONCRETE**

Removals will be done according to the Removal Layout.

The Contractor may choose whichever method they would see fit to remove the asphalt concrete.

The salvaged asphalt concrete material will become the property of the Contractor for disposal.

During removal of the existing asphalt, the drop inlet shown on the Removal Layout will not be disturbed. If the drop inlet gets damaged during the construction process, all costs for replacement will be the responsibility to the Contractor.

**INCIDENTAL WORK, GRADING**

In the area of the new 160’ x 260’ asphalt concrete pad, the Contractor will scarify, rework, shape, water and compact 4” of the existing material. Grading, leveling, and repacking of that material will be required to minimize the variability of the slope of the surface. An even, constant slope will be achieved throughout the entire surface at a target slope of 3% +/- 1%

All costs for the scarifying, leveling, compacting, watering, and grading will be included in the contract unit price for Incidental Work, Grading.

Additional quantities of Base Course, State Furnished have also been included for fill of any low areas.

**ASPHALT CONCRETE COMPOSITE**

MC-70 Asphalt for Prime for Asphalt Concrete Composite will not be required.

PG 58-34 or PG64-34 binder will be required for Asphalt Concrete Composite.

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

Along all outside edges of the asphalt pad, there will be a 1’ asphalt sluff.

**FLUSH SEAL**

Application of the flush seal will be completed within 5 working days following completion of the asphalt concrete resurfacing.

Sand will not be required during the flush seal process.

**BASE COURSE, STATE FURNISHED**

Base Course, State Furnished estimated quantity of 250 tons of granular material for the purpose of backfilling the grading work will be obtained from the stockpile located at the Sioux Falls DOT complex (5316 W 60th St N # A, Sioux Falls, SD 57107).

No gradation testing will be required for the Base Course, State Furnished material.

**SEQUENCE OF OPERATIONS**

The Contractor will submit a sequence of operations for approval two weeks prior to the preconstruction meeting. If changes to the sequence of operations are proposed during the project, these must be submitted for review a minimum of one week prior to potential implementation. Approval for changes to the sequence of operations will only be allowed when the proposed changes meet with the Department’s intent for traffic control and sequencing of the work.

**UTILITIES**

The Contractor will be aware of the existing utilities in the work area. Any utilities that the Contractor encounters will be the responsibility of the Contractor. The Contractor will contact each utility owner and confirm the status of all existing and new utility facilities.

**GENERAL NOTES**

Before the construction of the asphalt pad starts, DOT will remove the stockpile of base course, the sand stockpile, and the bunker barriers from the project site.



PLOT SCALE - 1+41.6895

PLOTTED FROM - TRSF12147

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	0009-271 000N-171	16	17

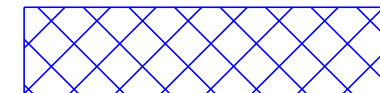
Plotting Date: 02/10/25

# Removal Layout



Limits to be marked by the Engineer

Remove Asphalt Concrete



PLOT NAME - 8

FILE - ... \17EF.DGN



PLOT SCALE - 1"=41.6895'

PLOTTED FROM - TRSF12147

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	0009-271 000N-171	17	17

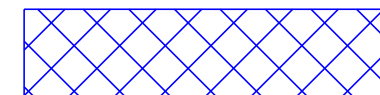
Plotting Date: 02/10/25

# Surfacing Layout



Limits to be marked by the Engineer

4" Asphalt Concrete  
Composite (Two - 2" lift)



FILE - ... \17EF.DGN PLOT NAME - 9