

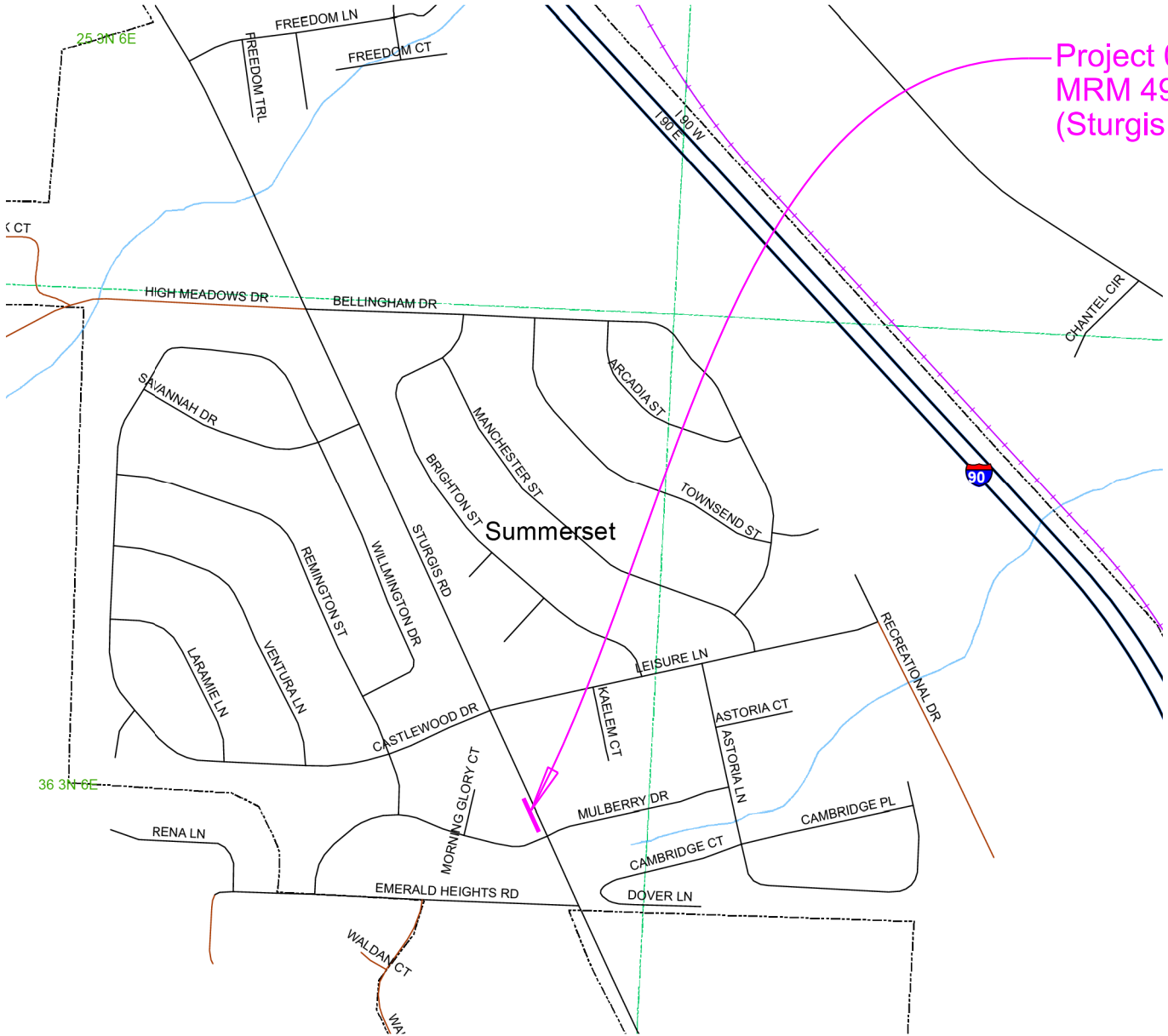
STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
PROJECT 090 EF-452
INTERSTATE 90
EAST FRONTAGE ROAD
MEADE COUNTY
INSTALL CURB & GUTTER
PCN i7VF

SD DOT	PROJECT	SECTION	SHEET
	090 EF-452	Non	1/16

Plotting Date: 5/9/2025

INDEX OF SHEETS

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STORM WATER PERMIT
No Permit Required

ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
110E0300	Remove Concrete Curb and/or Gutter	23	Ft
110E1010	Remove Asphalt Concrete Pavement	106.6	SqYd
110E1700	Remove Silt Fence	110	Ft
110E7510	Remove Pipe End Section for Reset	1	Each
120E0010	Unclassified Excavation	20	CuYd
120E4100	Reprofiling Ditch	2.5	Sta
230E0100	Remove and Replace Topsoil	Lump Sum	LS
260E2010	Gravel Cushion	31.1	Ton
380E1000	6" Miscellaneous PCC Pavement	35.9	SqYd
450E9001	Reset Pipe End Section	1	Each
634E0010	Flagging	100.0	Hour
634E0110	Traffic Control Signs	216.8	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	2	Each
650E4360	Type D46 Concrete Curb and Gutter	235	Ft
650E4660	Type P6 Concrete Gutter	20	Ft
650E4689	Modified Type P9 Concrete Gutter	38	Ft
700E0310	Class C Riprap	23.3	Ton
734E0010	Erosion Control	Lump Sum	LS
734E0131	Type 1 Turf Reinforcement Mat	27.2	SqYd
734E0170	Temporary Sediment Barrier	335	Ft
734E0604	High Flow Silt Fence	110	Ft
831E0110	Type B Drainage Fabric	17	SqYd
900E5147	Articulated Concrete Mattress	212.0	SqYd

SPECIFICATIONS

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

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 C: WATER SOURCE

The Contractor will not withdraw water with equipment previously used outside the State of South Dakota or previously used in aquatic invasive species (AIS) positive waters within South Dakota without prior approval from the SDDOT Environmental Office. To prevent and control the introduction and spread of invasive species into the project vicinity, all equipment will be power washed with hot water (≥140 °F) and completely dried for a minimum of 7 days prior to subsequent use. South Dakota administrative rule 41:10:04:02 forbids the possession and transport of AIS; therefore, all attached dirt, mud, debris and vegetation must be removed and all compartments and tanks capable of holding standing water must be drained. This includes, but is not limited to, all equipment, pumps, lines, hoses and holding tanks.

Action Taken/Required:

The Contractor will obtain the necessary permits from the regulatory agencies such as the South Dakota Department of Agriculture and Natural Resources (DANR) and the United States Army Corps of Engineers (USACE) prior to water extraction activities.

Additional information and mapping of water sources impacted by Aquatic Invasive Species in South Dakota can be accessed at:
< <https://sdleastwanted.sd.gov/maps/default.aspx> >

< [South Dakota Administrative Rule 41:10:04 Aquatic Invasive Species: https://sdlegislature.gov/rules/DisplayRule.aspx?Rule=41:10:04](https://sdlegislature.gov/rules/DisplayRule.aspx?Rule=41:10:04) >

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:

Construction and/or demolition debris may not be disposed of within the Public ROW.

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 will 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.

UTILITIES

The Contractor will contact the involved utility companies through South Dakota One Call (1-800-781-7474) prior to starting work. It shall be the responsibility of the Contractor to coordinate work with the utility owners to avoid damage to existing facilities.

Utilities are not planned to be affected on this project. If utilities are identified near the improvement area through the SD One Call Process as required by South Dakota Codified Law 49-7A and Administrative Rule Article 20:25, the Contractor shall contact the Project Engineer to determine modifications that will be necessary to avoid utility impacts.

WATER FOR GRANULAR MATERIAL

The cost of water for compaction of the granular material will be incidental to the contract unit price per ton for Gravel Cushion. Water for Granular Material will be applied at the rate of 20 gallons per cubic yard.

UNCLASSIFIED EXCAVATION

Unclassified Excavation is provided on the project for removing excess material to shape the area for Class C riprap placement near Sta. 1+50 L. The excess material will be used to fill the embankment behind the curb gutter, if needed, at no additional cost to the Department. The estimate of quantities provides 20 cubic yards of Unclassified Excavation for performing this work. Any excess material will be handled as waste, becoming the property of the Contractor, and hauled off the project at no additional cost to the Department.

Plans quantity will be the basis of payment for the Unclassified Excavation quantity. If changes are made in the field during construction, measurements will be taken and the quantity will be adjusted accordingly.

REPROFILING DITCH

The ditch will be reprofiled prior to installation of articulated concrete mattress. The ditch profile will be staked by the Engineer to ensure positive drainage is maintained to the channel downstream. The ditch will be shaped to a 4' wide flat bottom, 2:1 side slopes and depth of 1'. The Contractor will cut the ditch as needed to ensure positive drainage. The excess material generated from this shaping will be handled as waste. The ditch will be seeded and fertilized prior to installation of articulated concrete mattress.

Underground utilities will likely need protection and rearranging during the excavation work to reprofile the ditch. The Contractor will coordinate with the involved utility companies prior to construction to ensure delays to construction do not occur.

Disturbed areas will be restored to the satisfaction of the Engineer. Cost for the ditch reprofiling work, including labor and equipment necessary to remove and dispose of excess material and reshape the ditch will be included in the contract unit price per station for Reprofiling Ditch.

TABLE OF ASPHALT CONCRETE PAVEMENT REMOVAL

Station	to	Station	L/R	Quantity (SqYd)
2+76		5+50	L	106.6
			Total:	106.6

TABLE OF PIPE QUANTITIES

Station	Remove Pipe End Section for Reset (Each)	Reset Pipe End Section (Each)
1+50 L	1	1
Total:	23.3	16.7

TABLE OF RIPRAP AND DRAINAGE FABRIC

Station	Class C Riprap (Ton)	Type B Drainage Fabric (SqYd)
1+50 L	23.3	17
Total:	23.3	17

ARTICULATED CONCRETE MATTRESS

Articulated concrete mattress will be installed along the ditch as noted in the plans and at locations determined by the Engineer during construction.

Installation of the articulated concrete mattress will be in accordance with the manufacturer's installation instructions.

All costs for furnishing and installing the articulated concrete mattress including hauling, materials, equipment, labor, and incidentals necessary will be paid for at the contract unit price per square yard for "Articulated Concrete Mattress".

The articulated concrete mattress will be as shown below or an approved equal:

Product	Manufacturer
Standard Flexamat	Flexamat Permanent Site Solutions Cincinnati, Ohio Phone: (513) 772-6690 www.flexamat.com
ShoreFlex	ShoreFlex Denham Springs, Louisiana Phone: (800) 575-7293 www.shoreflex.com

TABLE OF ARTICULATED CONCRETE MATTRESS

Station	Width (Ft)	Location	Quantity (SqYd)
1+57 to 2+30	8	Ditch	65
3+15 to 4+80	8		147
			Total: 212

TABLE OF QUANTITIES

STATE OF SOUTH DAKOTA	PROJECT	SECTION	SHEET
	090 EF-452	Non	4/16

		Gravel Cushion	Remove Concrete Curb and/or Gutter	Type D46 Concrete Curb & Gutter	Type P6 Concrete Gutter	Modified Type P9 Concrete Gutter	6" Misc PCC Pavement	Type 1 Turf Reinforcement Mat
Station to Station		Ton	Ft	Ft	Ft	Ft	SqYd	SqYd
2+76	3+06	5.1	8	48				
3+06	3+09	0.3		3				
3+09	3+28	2.0				19	21.0	
3+28	3+60	3.4		32				
3+60	3+80	2.1			20			27.2
3+80	4+85	11.2		105				
4+85	5+04	2.0				19	14.9	
5+04	5+50	5.0	15	47				
Totals:		31.1	23	235	20	38	35.9	27.2

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.

GENERAL TRAFFIC CONTROL

Existing guide, route, informational logo, regulatory, and warning signs will be temporarily reset and maintained during construction. Removing, relocating, covering, salvaging, and resetting of existing traffic control devices, including delineation, will be the responsibility of the Contractor. Cost for this work will be incidental to the contract unit prices for the various items unless otherwise specified in the plans. Any delineators and signs damaged or lost will be replaced by the Contractor at no cost to the State.

All temporary traffic control sign locations will be set in the field by the Contractor and verified by the Engineer prior to installation.

Portable sign supports will not be located on sidewalks, bicycle facilities, or other areas designated for pedestrian or bicycle traffic.

If there is a discrepancy between the traffic control plans, standard plates, and the MUTCD, whichever is more stringent will be used, as determined by the Engineer.

Unless otherwise stated in these plans, work will not be allowed during hours of darkness.

Fixed location signing placed more than 4 calendar days prior to the start of construction will be covered or laid down until the time of construction. The covers must be approved by the Engineer prior to installation. The cost of materials, labor, and equipment necessary to complete this work will be incidental to other contract items. No separate payment will be made.

All fixed location signs, sign posts, and breakaway bases will be removed within 7 calendar days following pavement marking.

All haul trucks will be equipped with an additional flashing amber light that is visible from the backside of the haul truck. The costs for the flashing amber lights will be incidental to the various related contract items.

Traffic will be maintained on the driving lanes. Use of the shoulder as a driving lane will not be permitted. Any damage to the shoulder due to rerouted traffic or Contractor’s equipment will be repaired at no expense to the Department.

The Contractor will notify businesses/homeowners a minimum of two weeks prior to construction to inform them of upcoming construction and again a minimum of 48 hours prior to any blocked access to make appropriate arrangements.

INVENTORY OF TRAFFIC CONTROL SIGNS

		CONVENTIONAL ROAD			
SIGN CODE	SIGN DESCRIPTION	NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R1-1	STOP	1	30"	5.2	5.2
R3-2	LEFT TURN PROHIBITION (symbol)	1	24" x 24"	4.0	4.0
W1-3	REVERSE TURN (L or R)	1	48" x 48"	16.0	16.0
W1-4	REVERSE CURVE (L or R)	1	48" x 48"	16.0	16.0
W13-1P	ADVISORY SPEED (plaque)	2	30" x 30"	6.3	12.6
W16-2P	___ FEET (supplemental distance plaque)	2	30" x 24"	5.0	10.0
W20-1	ROAD WORK AHEAD	3	48" x 48"	16.0	48.0
W20-4	ONE LANE ROAD AHEAD	2	48" x 48"	16.0	32.0
W20-7	FLAGGER (symbol)	2	48" x 48"	16.0	32.0
W21-5	SHOULDER WORK	2	48" x 48"	16.0	32.0
G20-2	END ROAD WORK	2	36" x 18"	4.5	9.0
		CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT			
		216.8			

REMOVE AND REPLACE TOPSOIL

Prior to beginning curb and gutter installation, a 4” depth of topsoil will be removed or bladed down the respective inslope and left in a windrow a maximum of 10’ from the edge of the existing shoulder. Following completion of construction, topsoil will be spread evenly over the disturbed areas.

All costs associated with removing and replacing the topsoil along areas to be resurfaced will be incidental to the contract lump sum price for “Remove and Replace Topsoil”.

EROSION CONTROL

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

The limits of erosion control work will be determined by the Engineer during construction.

Mycorrhizal Inoculum

Mycorrhizal inoculum will consist of mycorrhizal fungi spores and mycorrhizal fungi-infected root fragments in a solid carrier. The carrier may include organic materials, calcinated clay, or other materials consistent with application and good plant growth. The supplier will provide certification of the fungal species claimed and the live propagule count. The inoculum will include a minimum 25% the fungal species *Rhizophagus intraradices*. The remaining 75% may include other endomycorrhizal fungal species.

All seed will be inoculated by the seed supplier with a minimum of 100,000 live propagules of mycorrhizal fungi per acre. All costs of inoculating the seed will be incidental to the contract unit price per pound for the corresponding permanent seed mixture.

The mycorrhizal inoculum will be as shown below or an approved equal:

Product	Manufacturer
MycoApply	Mycorrhizal Applications, Inc. Grants Pass, OR Phone: 1-866-476-7800 www.mycorrhizae.com
AM 120 Multi Species Blend	Reforestation Technologies Int. Gilroy, CA Phone: 1-800-784-4769 www.reforest.com
LALRISE Prime and Max WP	Lallemand Specialties Inc. Milwaukee, WI Phone: 1-844-590-7781 www.lallemandplantcare.com

Fertilizing

A commercial fertilizer with a minimum guaranteed analysis of 13-13-13, 18-46-0, 11-52-0, or an approved alternate fertilizer sold for use as a lawn starter fertilizer will be applied to all areas designated for permanent seeding.

The application rate of fertilizer will be 3 pounds per 1,000 square feet.

Permanent Seeding

The areas to be seeded consist of all newly graded areas within the project limits except for the top of roadways.

Type E Permanent Seed Mixture will consist of the following:

Grass Species	Variety	Pure Live Seed (PLS) (Pounds/Acre)
Western Wheatgrass	Arriba, Flintlock, Rodan, Rosana, Walsh	7
Green Needlegrass	Lodorm, AC Mallard Ecovar	4
Sideoats Grama	Butte, Pierre	3
Blue Grama	Bad River	2
Canada Wildrye	Mandan	2
Wildflowers		
Dotted Gayfeather (<i>Liatris punctata</i>)		0.5
Black-eyed Susan (<i>Rudbeckia hirta</i>)		0.5
Blue Flax (<i>Linum lewisii</i>)		0.5
Pale Purple Coneflower (<i>Echinacea angustifolia</i>)		0.5
Total:		20

Fiber Mulching

Fiber mulch will be applied in a separate operation following permanent seeding.

An additional 2% by weight of tackifier will be added to the fiber mulch product selected from the approved product list. If the product selected has guar gum tackifier included, then the additional 2% of tackifier will be guar gum. If the product selected has synthetic tackifier included, then the additional 2% of tackifier will be synthetic.

The Contractor will allow the fiber mulch to cure a minimum of 18 hours prior to watering or any storm event to ensure proper cohesion between the soil and fiber particles.

All costs for the additional tackifier added to the fiber mulch including labor, equipment, and materials will be incidental to the contract lump sum price for “Erosion Control”.

The fiber mulch provided will be from the approved product list. The approved product list for fiber mulch may be viewed at the following internet site:

<https://apps.sd.gov/HC60ApprovedProducts/main.aspx>

TEMPORARY SEDIMENT BARRIER

The Temporary Sediment Barrier provided will be from the approved product list. The approved product list for low flow silt fence may be viewed at the following internet site:

<https://apps.sd.gov/HC60ApprovedProducts/main.aspx>

Temporary sediment barriers will be installed at locations noted in the table and at locations determined by the Engineer during construction.

Installation of the temporary sediment barrier will be in accordance with the manufacturer’s installation instructions. It is the Contractor’s responsibility to select product(s) best suited as perimeter control, slope interrupters, and ditch checks based on site conditions.

All costs for furnishing, installing, and maintaining the temporary sediment barrier including hauling, materials, equipment, labor, and incidentals necessary will be paid for at the contract unit price per foot for “Temporary Sediment Barrier”.

TABLE OF TEMPORARY SEDIMENT BARRIER

Station	Location	Quantity (Ft)
1+40 to 2+25 L	Perimeter Control	85
3+00 to 5+50 L	Perimeter Control	250
Total:		335

HIGH FLOW SILT FENCE

The high flow silt fence fabric provided will be from the approved product list. The approved product list for high flow silt fence may be viewed at the following internet site:

<http://apps.sd.gov/HC60ApprovedProducts/main.aspx>

High flow silt fence will be placed at the locations noted in the table and at locations that will minimize siltation of adjacent streams, lakes, dams, or drainage areas as determined by the Engineer during construction. Refer to Standard Plate 734.05 for details.

TABLE OF HIGH FLOW SILT FENCE

Location	Location	Quantity (Ft)
Sta. 1+45 L	Inlet Protection at Twin Pipe	110
Total:		110

HORIZONTAL ALIGNMENT DATA

Type	Station			Northing	Easting
PC	1+00.000			143291.408	1094100.492
PI	3+26.488	R = 32696.355	Delta = 0.794 L	143497.162	1094005.823
PT	5+52.969			143701.584	1093908.313

CONTROL DATA

POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION
KE1	REFMRK (Rebar)	143706.481	1093880.833	3673.901
KE2	REFMRK (Spike)	143410.902	1094035.151	3666.752

The coordinates shown on this sheet are based on the South Dakota State Plane Coordinate System. North Zone (NAD 83); epoch 2010.00; Geoid 12A; SF = x.xxx

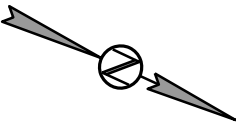
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CURB AND GUTTER LAYOUT

PROJECT	SECTION	SHEET
090 EF-452	Non	8/16

Plotting Date: 5/9/2025

Note: All curb and gutter shown on this sheet is Type D46 except as noted.



- 12+76-31' L
Begin 30' Rad C&G
TC Elev ±3666.74 (Match Existing)

3+06 L
End 30' Rad C&G
Begin Str C&G
TC Elev 3668.00 (Theor)

3+09 L
End Str C&G
Begin Modified Type P9 Gutter
TC Elev 3668.03 (Theor)

3+28 L
End Modified Type P9 Gutter
Begin Str C&G
TC Elev 3668.21 (Theor)

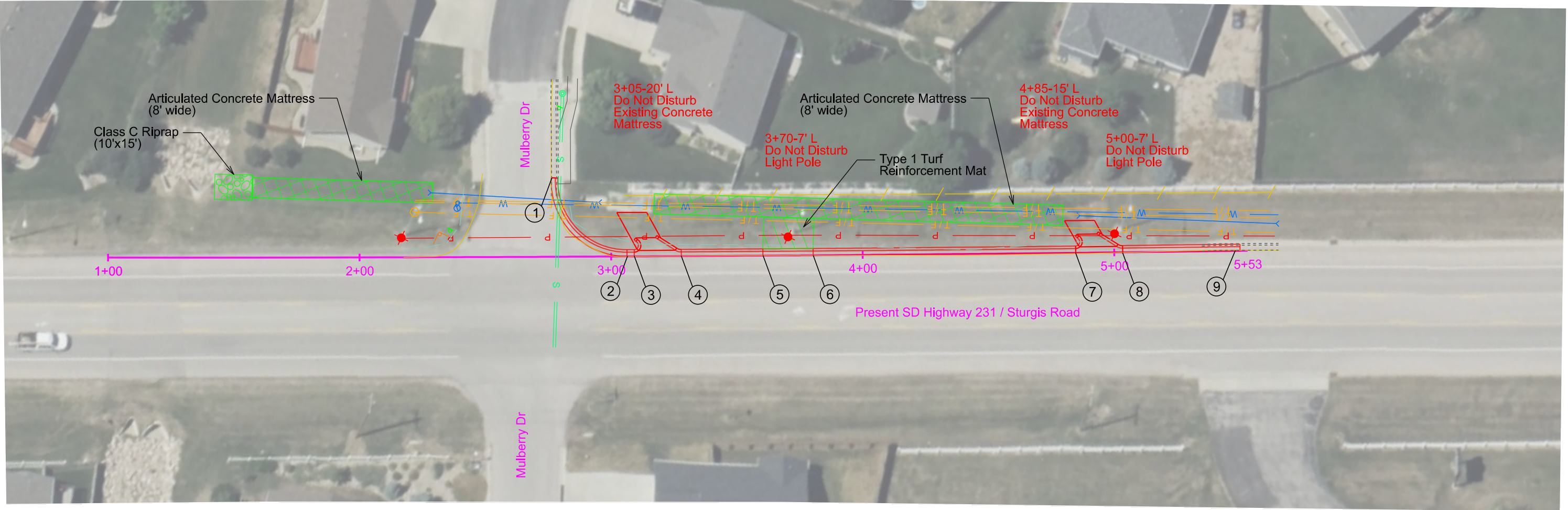
3+60 L
End Str C&G
Begin P Gutter
TC Elev 3668.49 (Theor)

3+80 L
End P Gutter
Begin Str C&G
TC Elev 3668.74 (Theor)

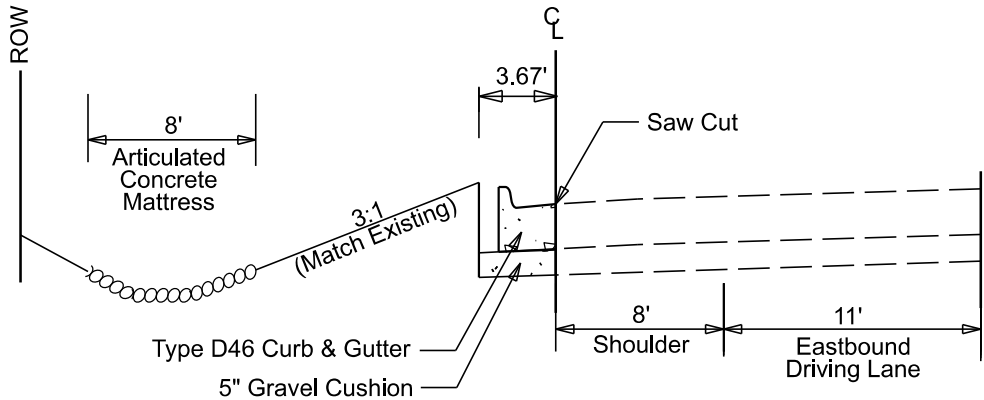
4+85 L
End Str C&G
Begin Modified Type P9 Gutter
TC Elev ±3670.94 (Theor)

5+04 L
End Modified Type P9 Gutter
Begin Str C&G
TC Elev ±3671.53 (Theor)

5+50 L
End Str C&G
TC Elev ±3673.05 (Match Existing)



Curb and Gutter
Typical Section

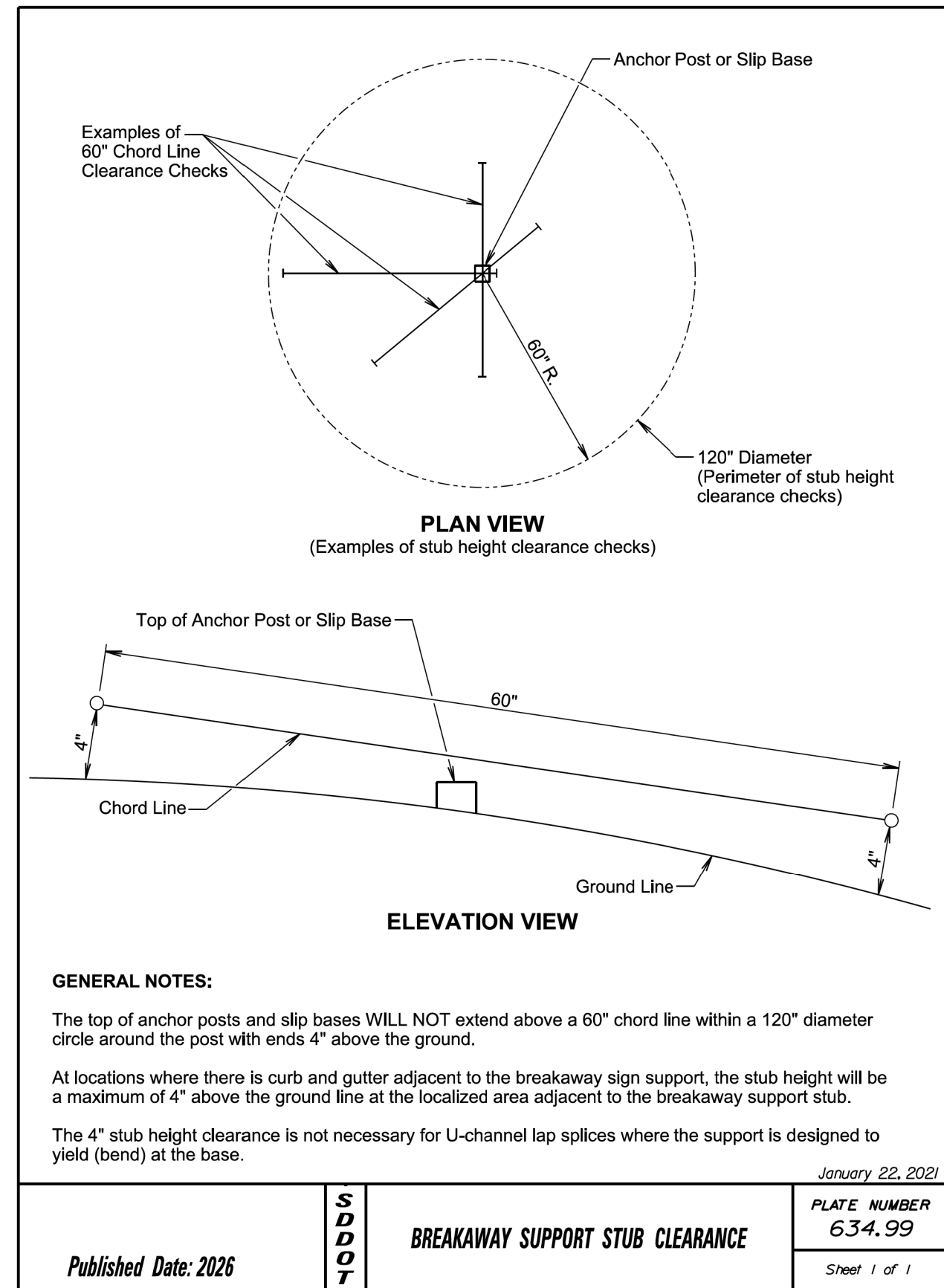
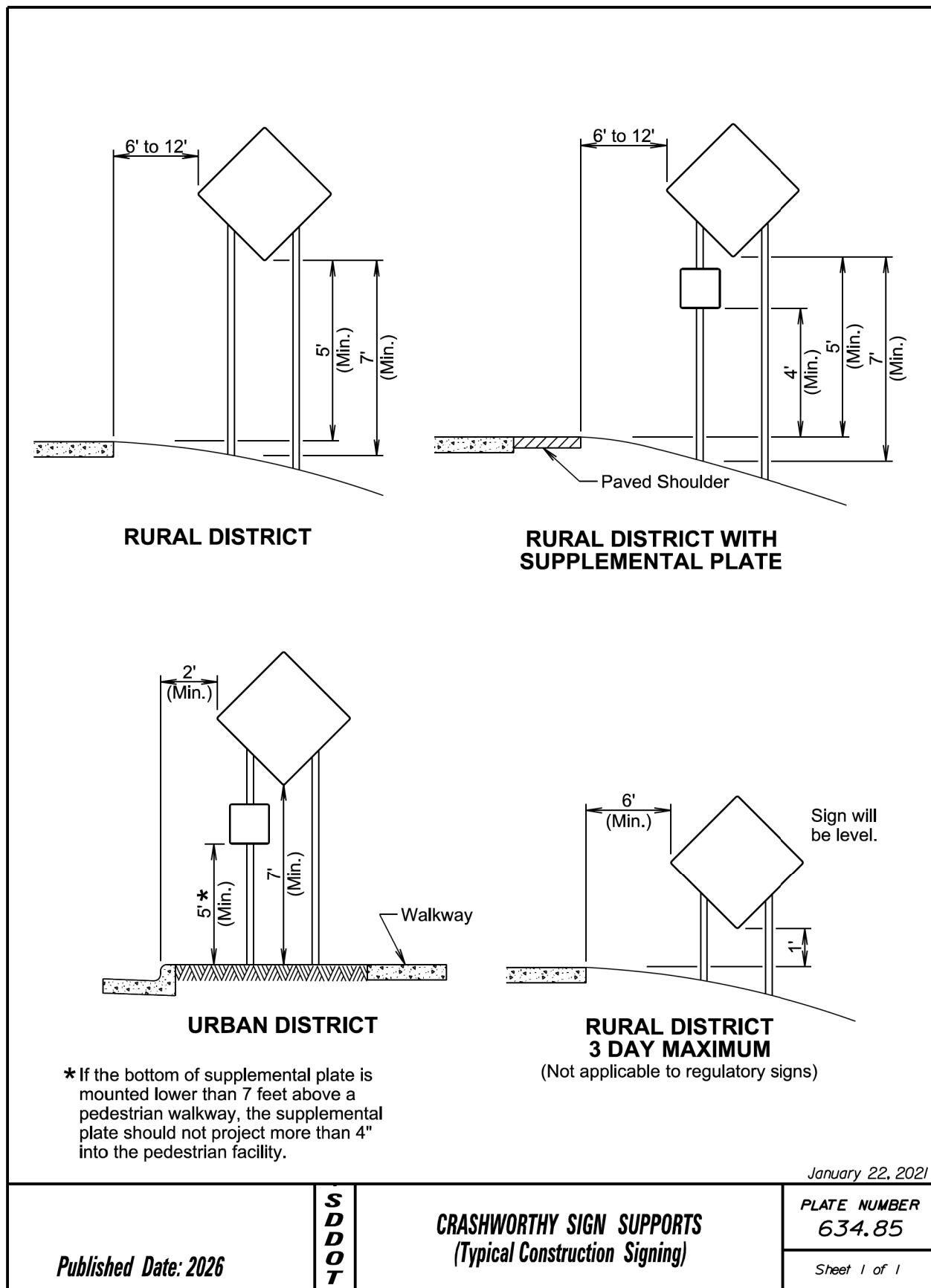


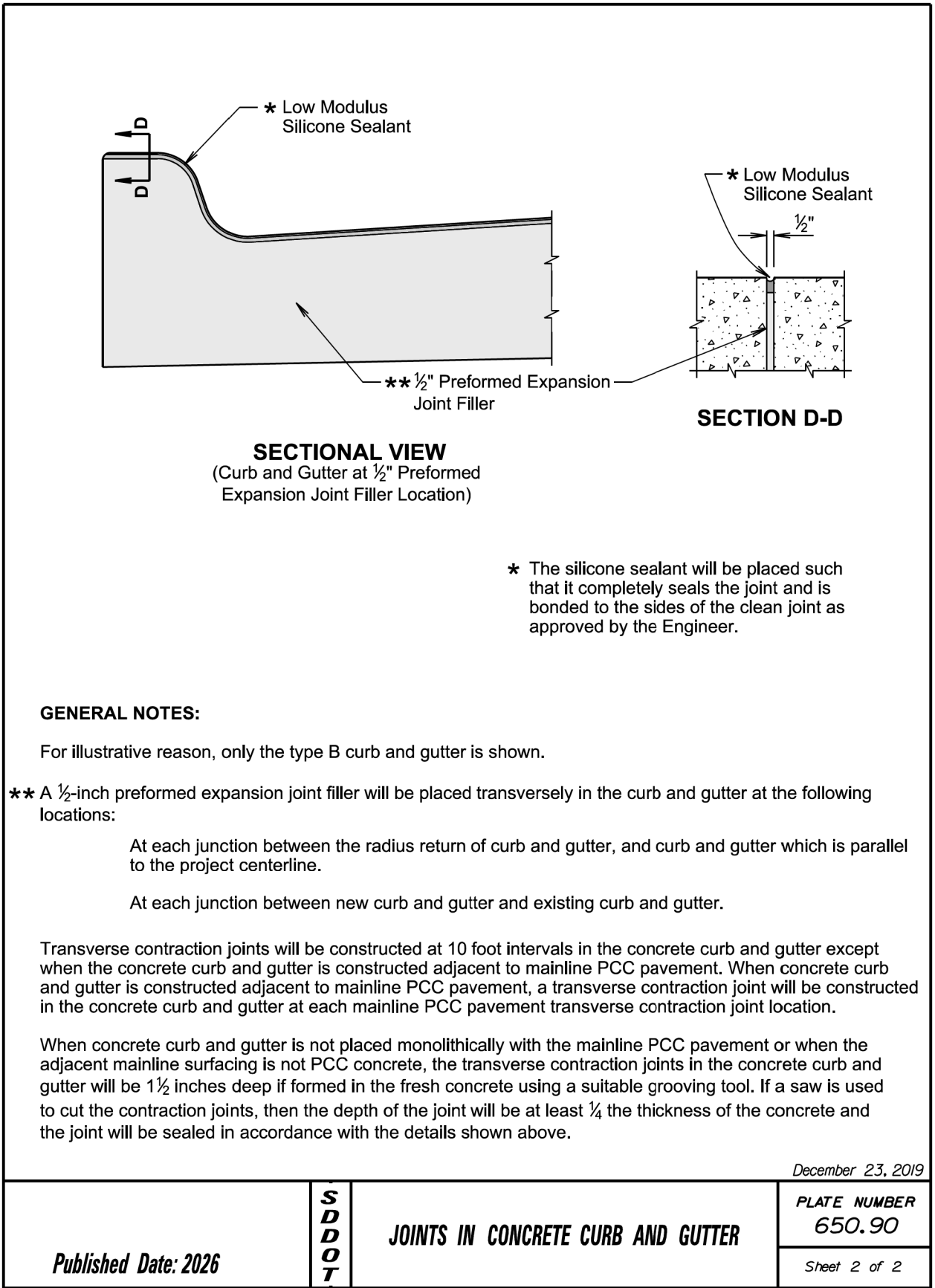
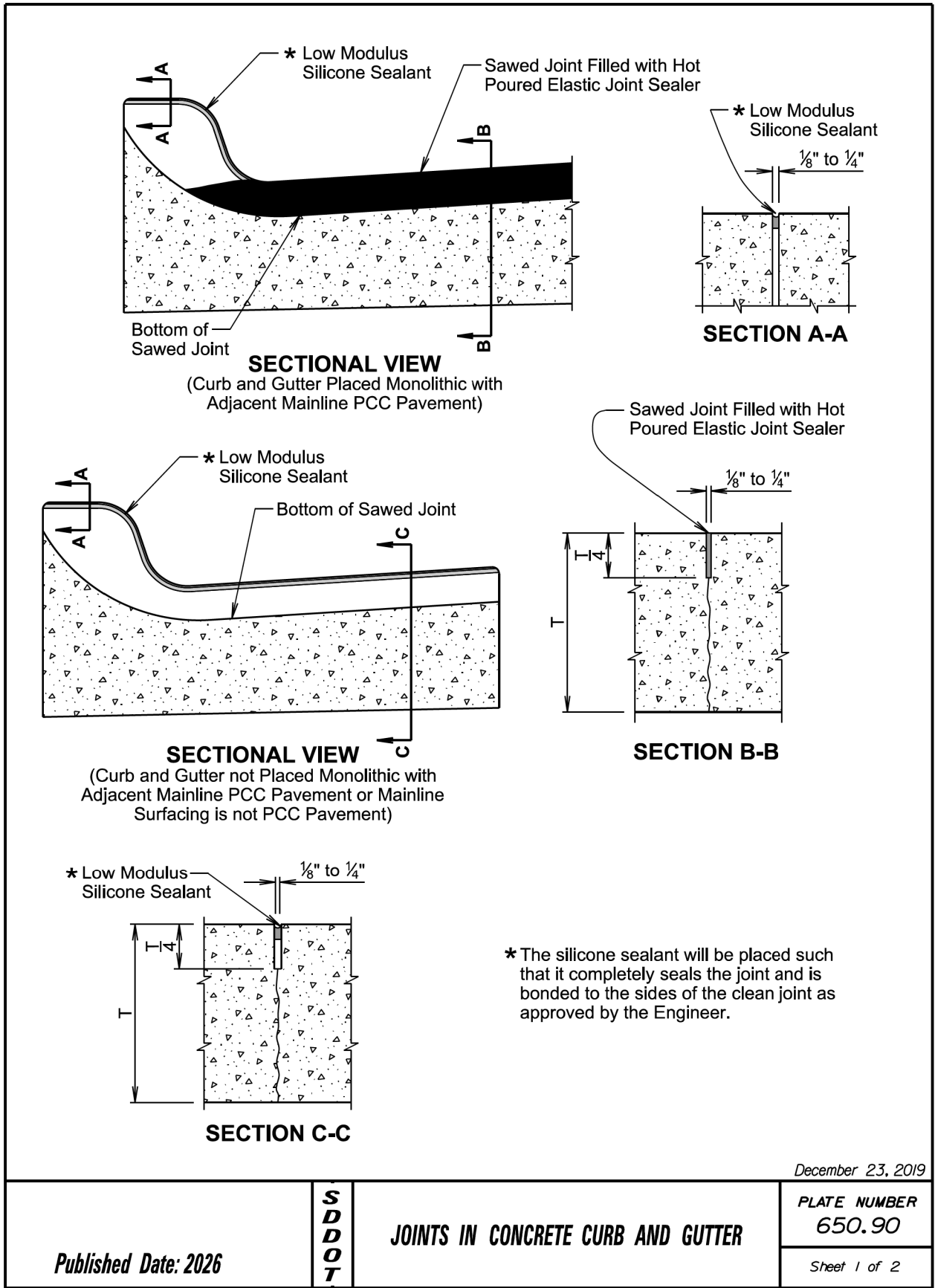
1+50 L
Install Class C Riprap - 10'x15' (23.3 Ton)
& Type B Drainage Fabric (16.7 SqYd)

Reprofiling Ditch at the
following locations:
1+50 to 2+30 L (0.8 Sta)
3+15 to 4+80 L (1.7 Sta)

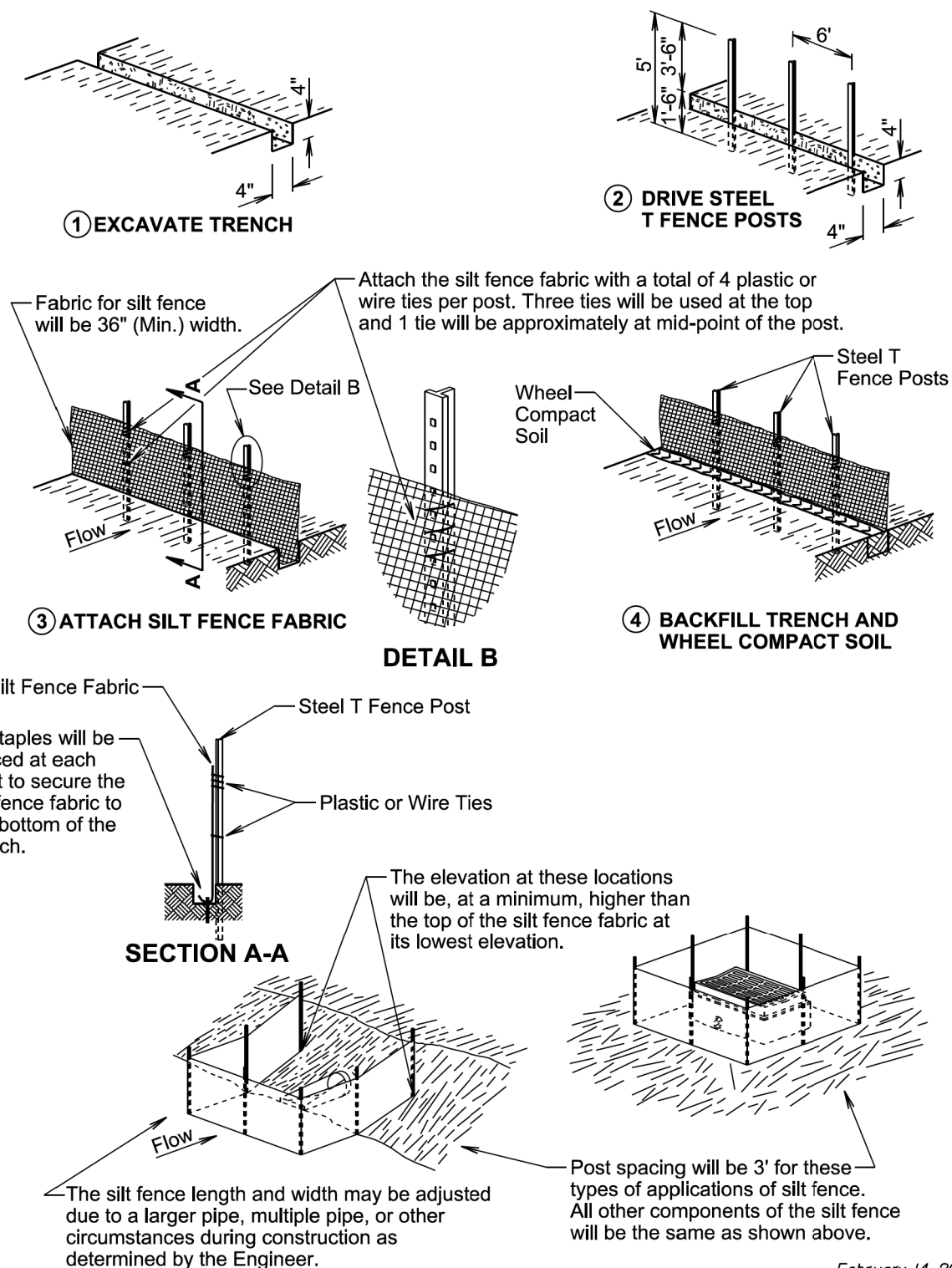
Install Articulated Concrete Mattress
at the following locations:
1+57 to 2+30 (65 SqYd)
3+15 to 4+80 (147 SqYd)

3+60 to 3+80 L
Install Type 1 Turf Reinforcement Mat
(27.2 SqYd)





MANUAL HIGH FLOW SILT FENCE INSTALLATION



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Published Date: 2026

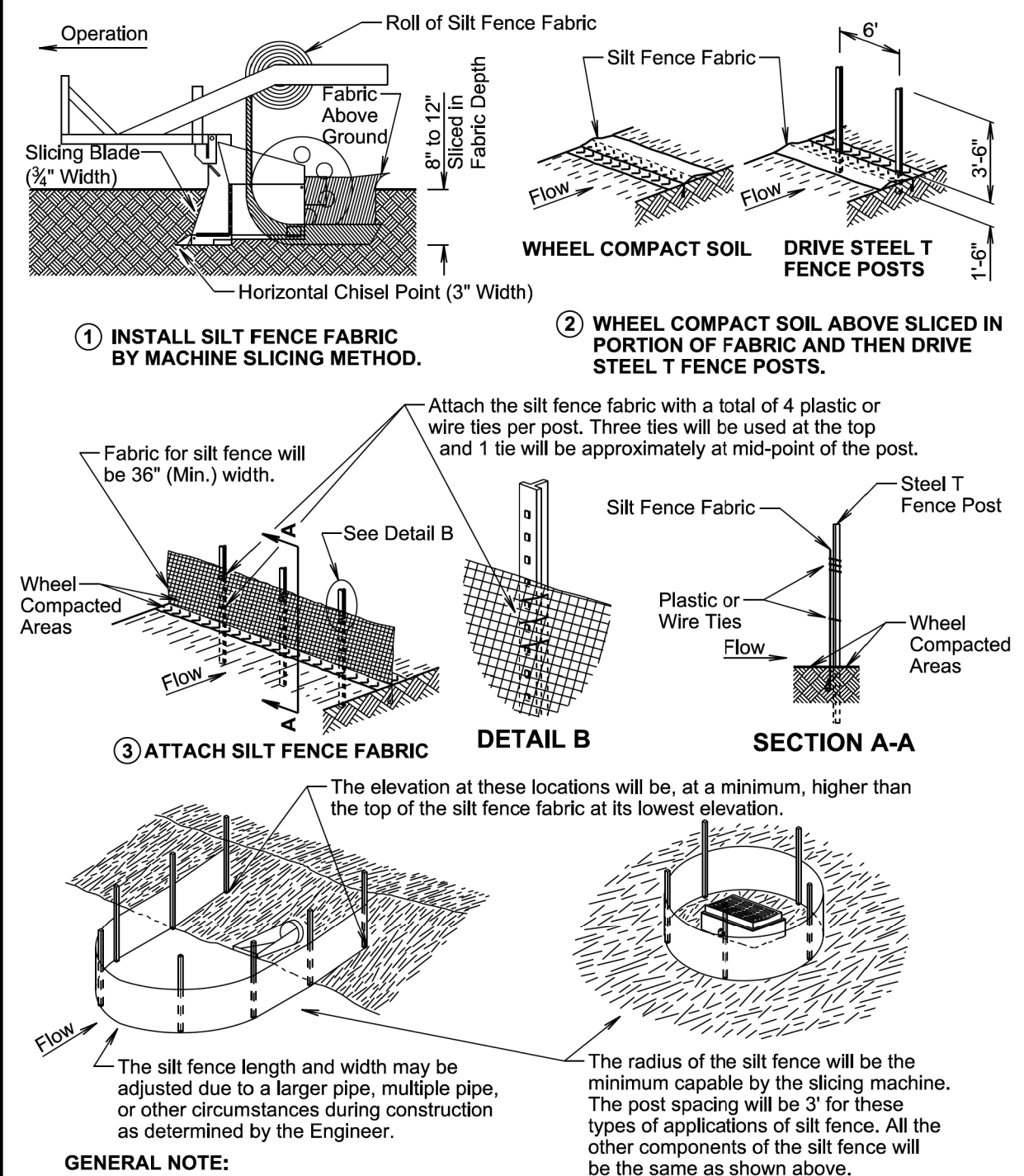
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HIGH FLOW SILT FENCE

PLATE NUMBER
734.05

Sheet 1 of 2

MACHINE SLICED HIGH FLOW SILT FENCE INSTALLATION



February 14, 2020

Published Date: 2026

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HIGH FLOW SILT FENCE

PLATE NUMBER
734.05

Sheet 2 of 2

