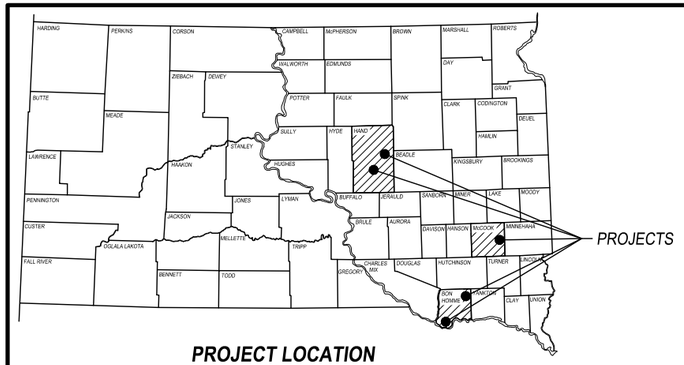


PROJECT LOCATION

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17), BRO-B 8005(18), BRO-B 8030(24), BRO-B 8030(25), & BRO-B 8044(15)	1	80

Revised: 07/24/2025 (JMP)
Revised: 08/08/2025 (ARP)

PROJECTS BRO-B 8005(17), BRO-B 8005(18), BRO-B 8030(24), BRO-B 8030(25), & BRO-B 8044(15) BON HOMME, HAND, & MCCOOK COUNTIES

STRUCTURE REMOVAL

STR. NO. 05-028-200, 05-138-080, 30-170-318, 30-240-188, & 44-091-040

PCN 099U, PCN 099V, PCN 09A0, PCN 09A1, & PCN 09A2

DESIGN DESIGNATION PROJECT BRO-B 8005(17) PCN 099U

ADT (2020)	*50*
ADT (2040)	*75*
DHV	*11*
d	*50%*
T DHV	*3.6%*
T ADT	*8.0%*

STORM WATER PERMIT PROJECT BRO-B 8005(17) PCN 099U

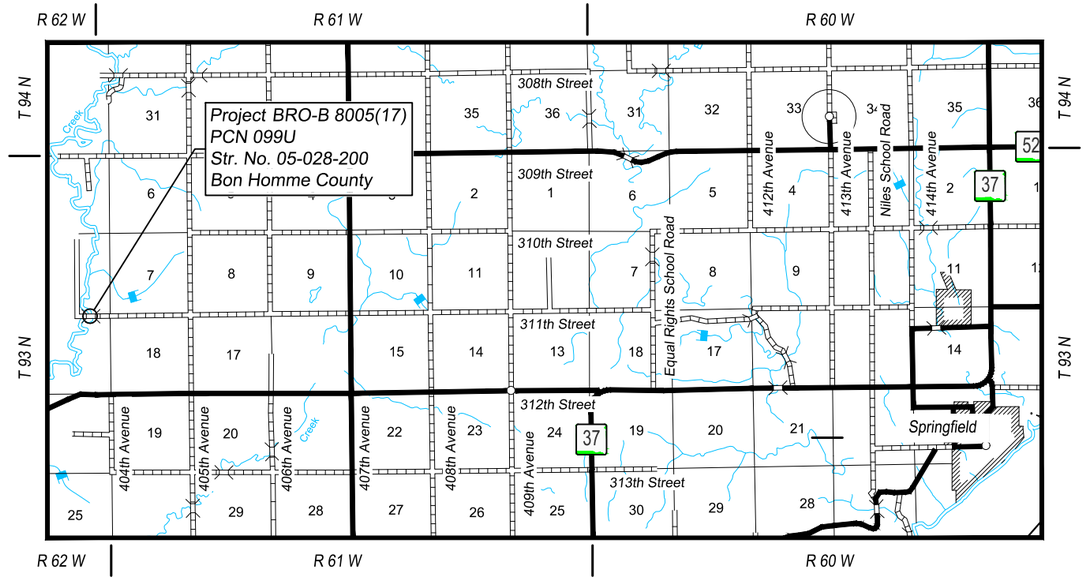
Major Stream:	*Choteau Creek*
Area Disturbed:	*0.17 Acres*
Project Area:	*0.33 Acres*
Latitude:	*N 42.8801°*
Longitude:	*W -98.1138°*

DESIGN DESIGNATION PROJECT BRO-B 8005(18) PCN 099V

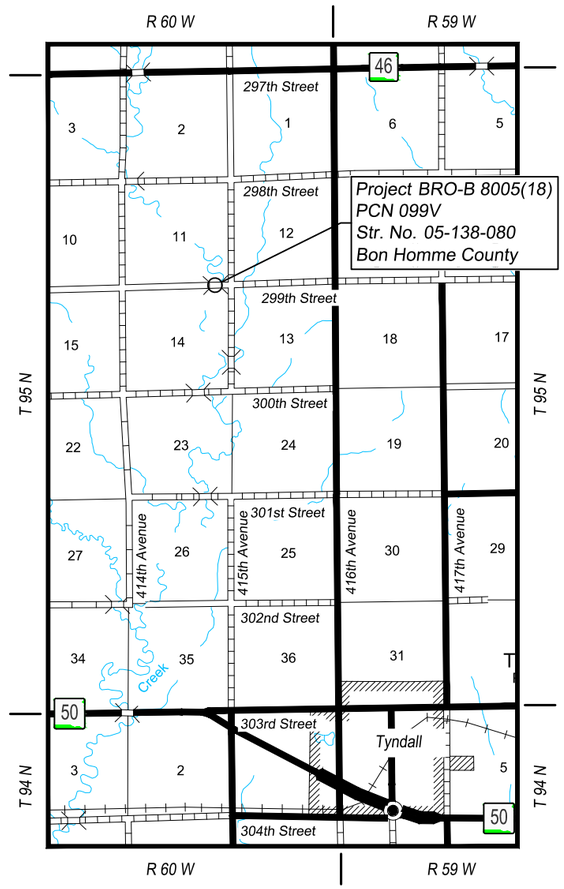
ADT (2020)	*20*
ADT (2040)	*30*
DHV	*5*
d	*50%*
T DHV	*3.6%*
T ADT	*8.0%*

STORM WATER PERMIT PROJECT BRO-B 8005(18) PCN 099V

Major Stream:	*Emanuel Creek*
Area Disturbed:	*0.23 Acres*
Project Area:	*0.58 Acres*
Latitude:	*N 43.0536°*
Longitude:	*W -97.8945°*



LOCATION MAP



INDEX OF SHEETS

811 Know what's **below.** **Call** before you dig.

IMEG

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
8/8/25

4

October 1, 2025

Plotted on: 7/24/25 3:41:00 PM
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Plotted by: Justin M. Pump

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17), BRO-B 8005(18), BRO-B 8030(24), BRO-B 8030(25), & BRO-B 8044(15)	2	80

PROJECTS
BRO-B 8030(24), BRO-B 8030(25)
HAND COUNTY

DESIGN DESIGNATION
PROJECT BRO-B 8030(24)
PCN 09A0

ADT (2020)	10
ADT (2040)	13
DHV	2
d	50%
T DHV	3.6%
T ADT	8.0%

STORM WATER PERMIT
PROJECT BRO-B 8030(24)
PCN 09A0

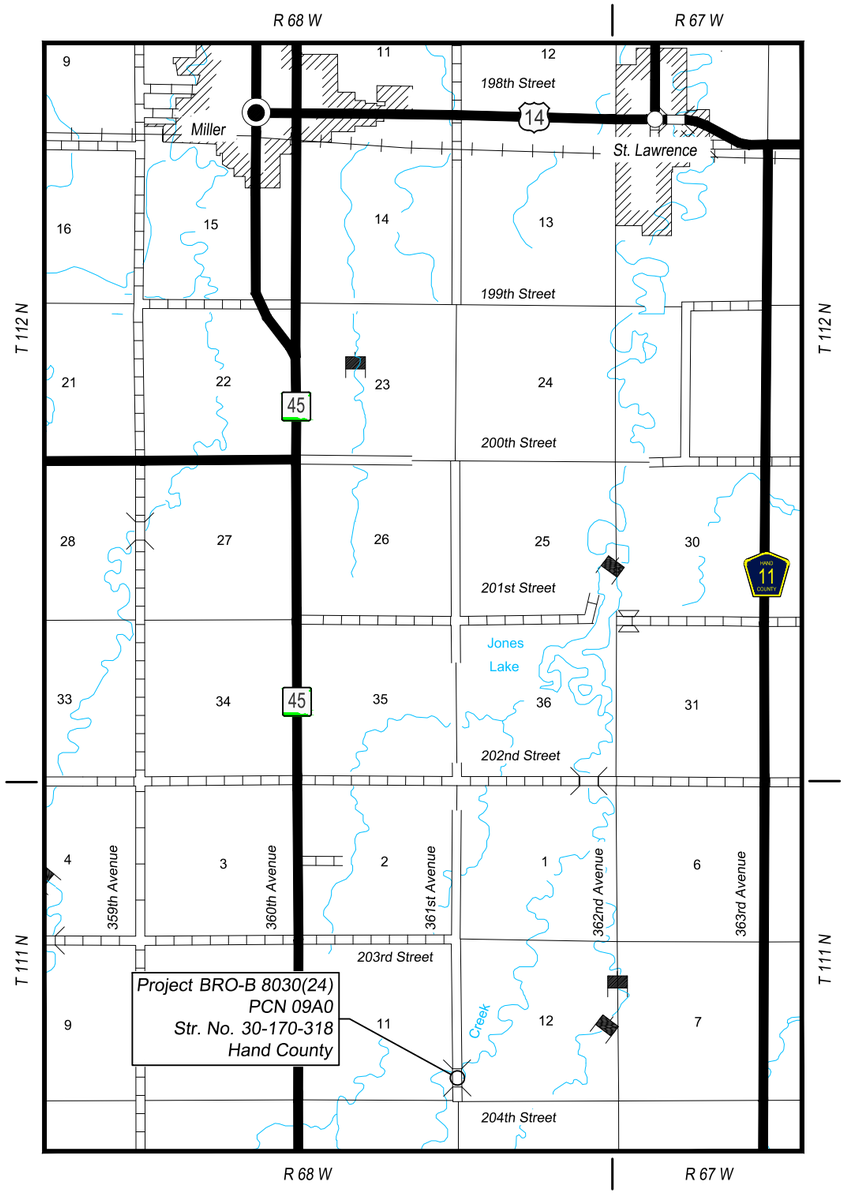
Major Stream:	Turtle Creek
Area Disturbed:	0.14 Acres
Project Area:	0.20 Acres
Latitude:	N 44.4309°
Longitude:	W -98.9634°

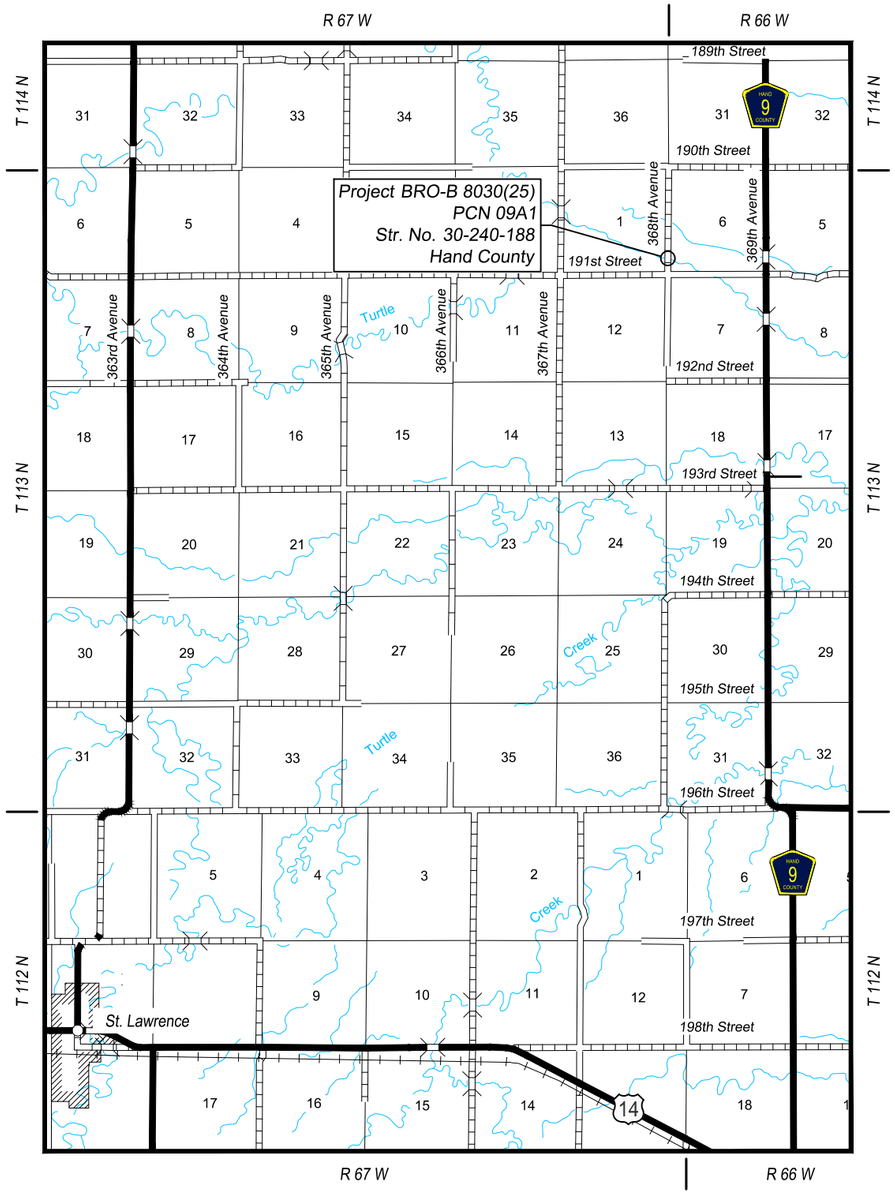
DESIGN DESIGNATION
PROJECT BRO-B 8030(25)
PCN 09A1

ADT (2020)	15
ADT (2040)	20
DHV	3
d	50%
T DHV	3.6%
T ADT	8.0%

STORM WATER PERMIT
PROJECT BRO-B 8030(25)
PCN 09A1

Major Stream:	Wolf Creek
Area Disturbed:	0.07 Acres
Project Area:	0.13 Acres
Latitude:	N 44.6223°
Longitude:	W -98.8261°





LOCATION MAP

N

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REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17), BRO-B 8005(18), BRO-B 8030(24), BRO-B 8030(25), & BRO-B 8044(15)	3	80

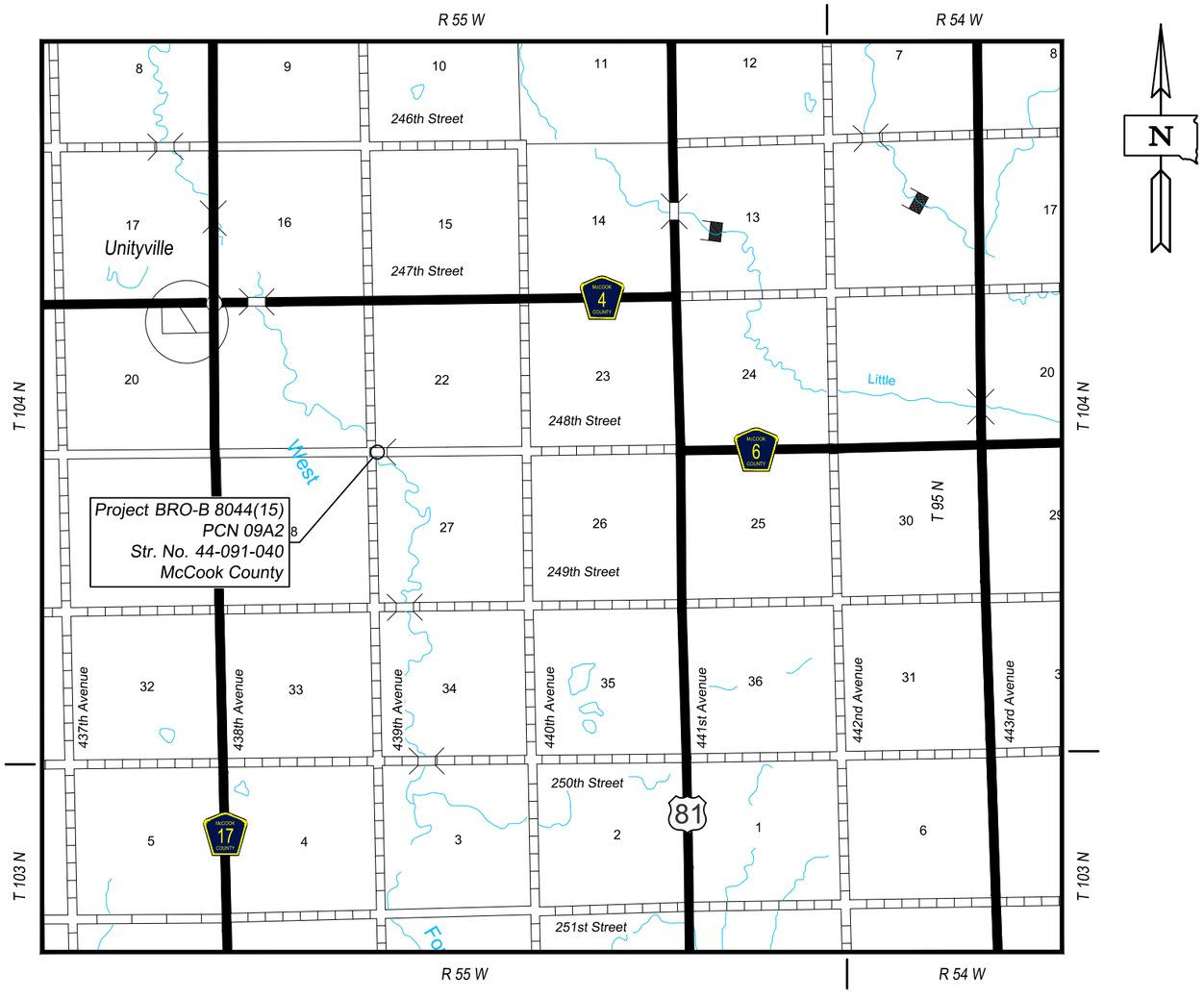
PROJECT
BRO-B 8044(15)
MCCOOK COUNTY

DESIGN DESIGNATION
PROJECT BRO-B 8044(15)
PCN 09A2

ADT (2020)	5
ADT (2040)	7
DHV	1
d	50%
T DHV	3.6%
T ADT	8.0%

STORM WATER PERMIT
PROJECT BRO-B 8044(15)
PCN 09A2

Major Stream:	West Fork Vermillion River
Area Disturbed:	0.07 Acres
Project Area:	0.13 Acres
Latitude:	N 43.7896°
Longitude:	W -97.4282°



LOCATION MAP

Know what's **below.**
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REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

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ESTIMATE OF QUANTITIES

Grading – BRO-B 8005(17), PCN 099U

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E4100	Construction Schedule, Category I	Lump Sum	LS
100E0020	Clear and Grub Tree	1	Each
110E0130	Remove Traffic Sign	2	Each
110E0600	Remove Fence	183	Ft
110E1693	Remove Erosion Control Wattle	240	Ft
120E0010	Unclassified Excavation	467	CuYd
230E0020	Contractor Furnished Topsoil	50	CuYd
620E0020	Type 2 Right-of-Way Fence	224	Ft
620E0510	Type 1 Temporary Fence	238	Ft
620E1020	2 Post Panel	10	Each
632E1320	2.0"x2.0" Perforated Tube Post	24.0	Ft
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	48.5	SqFt
632E4000	Type 3 Double Sided Barricade	5.0	Ft
632E4005	Type 3 Single Sided Barricade	48.0	Ft
734E0010	Erosion Control	Lump Sum	LS
734E0154	12" Diameter Erosion Control Wattle	240	Ft
734E0165	Remove and Reset Erosion Control Wattle	60	Ft
734E0630	Floating Silt Curtain	167	Ft

Structure 05-028-200 – BRO-B 8005(17), PCN 099U

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
250E0030	Incidental Work, Structure	Lump Sum	LS

Grading – BRO-B 8005(18), PCN 099V

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E4100	Construction Schedule, Category I	Lump Sum	LS
110E0130	Remove Traffic Sign	4	Each
110E0600	Remove Fence	188	Ft
110E1693	Remove Erosion Control Wattle	140	Ft
120E0010	Unclassified Excavation	512	CuYd
230E0020	Contractor Furnished Topsoil	92	CuYd
620E0020	Type 2 Right-of-Way Fence	344	Ft
620E0510	Type 1 Temporary Fence	521	Ft
620E1020	2 Post Panel	14	Each
632E1320	2.0"x2.0" Perforated Tube Post	48.0	Ft
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	77.0	SqFt
632E4000	Type 3 Double Sided Barricade	10.0	Ft
632E4005	Type 3 Single Sided Barricade	48.0	Ft
734E0010	Erosion Control	Lump Sum	LS
734E0154	12" Diameter Erosion Control Wattle	140	Ft
734E0165	Remove and Reset Erosion Control Wattle	40	Ft
734E0630	Floating Silt Curtain	200	Ft

Structure 05-138-080 – BRO-B 8005(18), PCN 099V

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
250E0030	Incidental Work, Structure	Lump Sum	LS

Grading – BRO-B 8030(24), PCN 09A0

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E4100	Construction Schedule, Category I	Lump Sum	LS
100E0100	Clearing	Lump Sum	LS
110E0600	Remove Fence	189	Ft
110E1693	Remove Erosion Control Wattle	220	Ft
120E0010	Unclassified Excavation	538	CuYd
230E0020	Contractor Furnished Topsoil	64	CuYd
620E0020	Type 2 Right-of-Way Fence	260	Ft
620E0510	Type 1 Temporary Fence	275	Ft
620E1020	2 Post Panel	12	Each
620E1030	3 Post Panel	1	Each
632E1320	2.0"x2.0" Perforated Tube Post	24.0	Ft
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	48.5	SqFt
632E4000	Type 3 Double Sided Barricade	5.0	Ft
632E4005	Type 3 Single Sided Barricade	48.0	Ft
634E0110	Traffic Control Signs	54.5	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	4	Each
734E0010	Erosion Control	Lump Sum	LS
734E0154	12" Diameter Erosion Control Wattle	220	Ft
734E0165	Remove and Reset Erosion Control Wattle	60	Ft

Structure 30-170-318 – BRO-B 8030(24), PCN 09A0

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
250E0030	Incidental Work, Structure	Lump Sum	LS

Grading – BRO-B 8030(25), PCN 09A1

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E4100	Construction Schedule, Category I	Lump Sum	LS
110E1693	Remove Erosion Control Wattle	100	Ft
120E0010	Unclassified Excavation	185	CuYd
230E0020	Contractor Furnished Topsoil	32	CuYd
632E1320	2.0"x2.0" Perforated Tube Post	48.0	Ft
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	77.0	SqFt
632E4000	Type 3 Double Sided Barricade	10.0	Ft
632E4005	Type 3 Single Sided Barricade	48.0	Ft
634E0110	Traffic Control Signs	109.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	8	Each
734E0010	Erosion Control	Lump Sum	LS
734E0154	12" Diameter Erosion Control Wattle	100	Ft
734E0165	Remove and Reset Erosion Control Wattle	20	Ft

Structure 30-240-188 – BRO-B 8030(25), PCN 09A1

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
250E0030	Incidental Work, Structure	Lump Sum	LS

Grading – BRO-B 8044(15), PCN 09A2

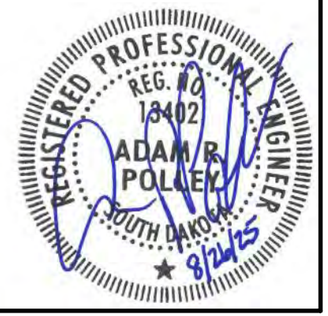
BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E4100	Construction Schedule, Category I	Lump Sum	LS
110E0130	Remove Traffic Sign	4	Each
110E1693	Remove Erosion Control Wattle	140	Ft
120E0010	Unclassified Excavation	100	CuYd
230E0020	Contractor Furnished Topsoil	32	CuYd
632E1320	2.0"x2.0" Perforated Tube Post	48.0	Ft
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	64.5	SqFt
632E4000	Type 3 Double Sided Barricade	5.0	Ft
632E4005	Type 3 Single Sided Barricade	48.0	Ft
634E0110	Traffic Control Signs	64.5	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	7	Each
734E0010	Erosion Control	Lump Sum	LS
734E0154	12" Diameter Erosion Control Wattle	140	Ft
734E0165	Remove and Reset Erosion Control Wattle	40	Ft
734E0630	Floating Silt Curtain	200	Ft

Structure 44-091-040 – BRO-B 8044(15), PCN 09A2

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
250E0030	Incidental Work, Structure	Lump Sum	LS

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 10-1-25 Version, Required Provisions, and Special Provisions as included in the Proposal. The Standard Specifications for Roads and Bridges is available for download and viewing at https://dot.sd.gov/doing-business/contractors/standard-specifications.



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 A: AQUATIC RESOURCES

COMMITMENT A2: STREAMS

All efforts to avoid and minimize stream impacts from the project have resulted in approximately 0.016 acres (PCN 099U), 0.018 acres (PCN 099V), 0.015 acres (PCN 09A0), 0.0096 acres (PCN 09A1), and 0.016 acres (PCN 09A2) of stream (includes temporary and permanent) becoming impacted.

Table of Impacted Streams

Stream Name	Station	Perm. Impact	Temp. Impact	Total Impact (Acres)	PCN
Choteau Creek	10 +00	0.00	0.016	0.016	099U
Emanuel Creek	10+00	0.00	0.018	0.018	099V
Turtle Creek	10+00	0.00	0.015	0.015	09A0
Wolf Creek	10+00	0.00	0.0096	0.0096	09A1
West Fork of the Vermillion River	10+00	0.00	0.016	0.016	09A2

Action Taken/Required:

It has been determined that project impacts do not require mitigation. Temporary impacts identified in the Table of Impacted Streams will not be mitigated as the finished ground under the bridge will be shaped to match the upstream channel and flood plain and the existing low water channel will be maintained as near as practical to the existing location as designated in

The Contractor will notify the Project Engineer if additional easement is needed to complete work adjacent to any stream. The Project Engineer will obtain an appropriate course of action from the Environmental Office before proceeding with construction activities that affect any streams beyond the work limits and easements shown in the plans.

COMMITMENT B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES

COMMITMENT B1: CONSTRUCTION PRACTICES FOR STREAMS INHABITED BY THE TOPEKA SHINER

The SDDOT Environmental Office has identified the following as Topeka Shiner streams.

Table of Topeka Shiner Streams

Station	Stream Name	Ordinary High-Water Elevation	PCN
10+00	West Fork of the Vermillion River	1485.4'	09A2

Action Taken/Required:

The Contractor will adhere to the "Special Provision for Construction Practices in Streams Inhabited by the Topeka Shiner".

Stream turbidity will be monitored during all stages of the project. Turbidity measurements are to be taken in conjunction with normal storm water inspections but can also be taken at the Project Engineer's discretion during construction activities that may result in increased turbidity (e.g., placing riprap or installing a coffer dam).

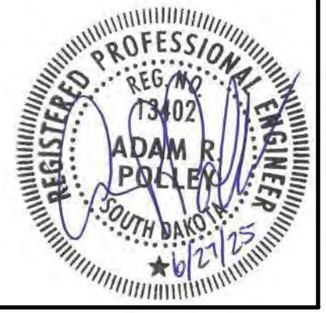
Prior to the pre-construction meeting the Contractor will produce and provide the SDDOT Environmental Office a comprehensive Construction Plan that includes all products, materials, and methods of installation and removal for temporary water barriers, cofferdams, and diversion channels including de-watering, handling, storage, and disposal of excavated material and pumped effluent throughout all phases of construction, including post-construction stabilization. Work will not proceed on any of the streams identified in the Table of Topeka Shiner Streams without approval of the Construction Plan by the SDDOT Environmental Office. Upon plan approval, the Construction Plan will be amended to the SWPPP.

COMMITMENT B2: WHOOPING CRANE

The Whooping Crane is a spring and fall migratory bird in South Dakota that is about 5 feet tall and typically stops on wetlands, rivers, and agricultural lands along their migration route. An adult Whooping Crane is white with a red crown and a long, dark, pointed bill. Immature Whooping Cranes are cinnamon brown. While in flight, their long necks are kept straight and their long dark legs trail behind. Adult Whooping Cranes' black wing tips are visible during flight.

Action Taken/Required:

Harassment or other measures to cause the Whooping Crane to leave the site is a violation of the Endangered Species Act. If a Whooping Crane is sighted roosting in the vicinity of the project, borrow pits, or staging areas associated with the project, cease construction activities in the affected area until the Whooping Crane departs and immediately contact the Project Engineer. The Project Engineer will contact the Environmental Office so that the sighting can be reported to USFWS.



COMMITMENT B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES (CONTINUED)

COMMITMENT B6: MIGRATORY BIRDS WORK RESTRICTION

Migratory birds may use structures for nesting, which primarily occurs from April 1st-August 31st.

Action Taken/Required:

All Swallows are state and federally protected under the Migratory Bird Treaty Act of 1918. It is illegal for any person to take, possess, transport, sell, or purchase them or their parts, such as feathers, nests, or eggs, without a permit. Active nests with eggs or chicks inside may not be touched or destroyed without a permit from the U.S. Fish and Wildlife Service (USFWS). Inactive (empty) nests do not require a permit to destroy. Nest or bird removal applications must be justified with strong, compelling reasons such as a health or safety hazard towards humans and/or birds or damage to property.

Construction activities should not occur in the locations listed in the table below during the migratory bird work restriction without prior approval from the SDDOT Environmental Office to avoid conflicts with nesting migratory birds.

Table of Migratory Bird Restrictions

PCN	Station	Migratory Bird Restrictions
09A2 (McCook County)	9+35 to 10+52 L/R	April 1- August 31

If necessary, you may do the following to prevent birds from nesting:

Before birds arrive:
Remove old nests and any traces of mud. Since old nests can be reused, remove any potential nests before the birds arrive from winter migration.

Place physical barriers on potential nesting sites to prevent birds from nesting. You may use products such as coroplast, polytetrafluoroethylene (Teflon), Bird Slide™, plexiglass, plastic sheeting, or silicon-based paint coated to the surface. Physical barriers may be a permanent deterrent in preventing birds from nesting in nuisance locations.

After birds arrive:
Remove mud nests frequently, in between nest construction. They may eventually give up on that site if they are not successful in building a nest. You may only destroy nests that do not have eggs or chicks within.

Play sounds of alarm and distress calls of cliff and barn swallows to disrupt nest construction.

If project activities cannot be conducted outside of the seasonal restriction the Contractor will notify the Project Engineer and the Environmental Office Biologist (605-773-3309) to coordinate with the USFWS.

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.

The Contractor will not withdraw water directly from streams of the James, Big Sioux, and Vermillion watersheds without prior approval from the SDDOT Environmental Office.

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 >

COMMITMENT D: WATER QUALITY STANDARDS

COMMITMENT D1: SURFACE WATER QUALITY

The West Fork of the Vermillion River (PCN 09A2) is classified as warm water, marginal fishery with a total suspended solids standard of less than 90 mg/L 30-day average, less than 150 mg/L daily maximum.

Choteau Creek (PCN 099U) is classified as a warm water semi-permanent with a total suspended solids standard of less than 90 mg/L 30-day average, less than 158 mg/L daily maximum.

Emanuel Creek (PCN 099V), Turtle Creek (PCN 09A0), Wolf Creek (PCN 09A1) is classified as fish and wildlife propagation, recreation, irrigation, and stock watering waters. Because of these beneficial uses, special construction measures may have to be taken to ensure that this water body is not impacted.

This project may be in the vicinity of multiple streams and wetlands. These waters are considered waters of the state and are protected under Administrative Rules of South Dakota (ARSD) Chapter 74:51. Special construction measures may have to be taken to ensure that this water body is not impacted.

Action Taken/Required:

The Contractor is advised that the South Dakota Surface Water Quality Standards, administered by the South Dakota Department of Agriculture and Natural Resources (DANR), apply to this project. Special construction measures will be taken to ensure the above standard(s) of the surface waters are maintained and protected.

COMMITMENT D2: SURFACE WATER DISCHARGE

The DANR General Permit for Temporary Discharge is required for temporary dewatering and discharges to waters of the state. The effluent limit for total suspended solids will be 90 mg/L 30-day average. The effluent limit applies to discharges to all waters of the state except discharges to waters classified as cold water permanent fish life propagation waters according to the ARSD 74:51:01:45. For discharges to waters of the state classified as cold water permanent fish life propagation waters, the effluent limit for total suspended solids will be 53 mg/L daily maximum.

The permittee has the option of completing effluent testing or implementing a pollution prevention plan for compliance with this permit. If the permittee develops a pollution prevention plan instead of total suspended solids sampling, the plan must be developed and implemented prior to discontinuing total suspended solids sampling. Refer to Section 4.0 of the permit. If any pollutants are suspected of being discharged, a sample must be taken for those parameters listed in Section 3.4 of the permit.

Refer to Commitment D1: Surface Water Quality for stream classification.

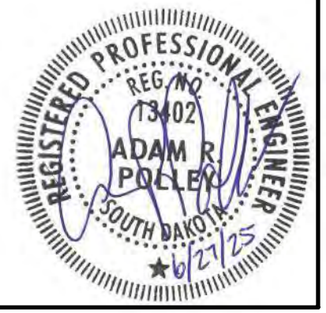
Action Taken/Required:

If construction dewatering is required and this project is currently covered under a General Permit for Stormwater Discharges Associated with Construction Activities, the contractor will need to submit the dewatering information to the SDDANR using the following form:

< https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/docs/DANR_AddTempInfoFillable.pdf >

The Contractor will provide a copy of the approved permit or the submitted dewatering information to the Project Engineer prior to proceeding with any dewatering activities. The approved permit or submitted dewatering information must be kept on-site and as part of the project records.

Effluent monitoring, as a result of dewatering activities, will be summarized for each month and recorded on a separate Discharge Monitoring Report (DMR) and submitted to DANR monthly. Additional information can be found at:
< https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/swdpermitting/Ereporting.aspx >



COMMITMENT E: STORM WATER

Construction activities constitute 1 acre or more of earth disturbance and/or work in a waterway.

Action Taken/Required:

The DANR General Permit for Stormwater Discharges Associated with Construction Activities is required for construction activity disturbing one or more acres of earth and work in a waterway. The SDDOT is the owner of this permit and will submit the NOI to DANR 15 days prior to project start in order to obtain coverage under the General Permit. Work can begin once the DANR letter of approval is received.

The Contractor must adhere to the "Special Provision Regarding Storm Water Discharges to Waters of the State."

The Contractor will complete the DANR Contractor Certification Form prior to the pre-construction meeting. The form certifies under penalty of law that the Contractor understands and will comply with the terms and conditions of the permit for this project. Work may not begin on this project until this form is signed and submitted to DANR.

The form can be found at:
<https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/docs/DANR_CGPAppendixCCA2018Fillable.pdf >

The Contractor is advised that permit coverage may also be required for off-site activities, such as borrow and staging areas, which are the responsibility of the Contractor.

Storm Water Pollution Prevention Plan

The Storm Water Pollution Prevention Plan (SWPPP) will be developed prior to the submittal of the NOI and will be implemented for all construction activities for compliance with the permit. The SWPPP must be kept on-site and updated as site conditions change. Erosion control measures and best management practices will be implemented in accordance with the SWPPP.

The DOT 298 Form will be used for site inspections and to document changes to the SWPPP. A copy of the completed inspection form will be filed with the SWPPP documents and retained for a minimum of three years.

The inspection will include disturbed areas of the construction site that have not been finally stabilized, areas used for storage materials, structural control measures, and locations where vehicles enter or exit the site. These areas will be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the SWPPP will be observed to ensure that they are operating correctly, and sediment is not tracked off the site.

Information on storm water permits and SWPPPs are available on the following websites:

SDDOT: < https://dot.sd.gov/doing-business/environmental/stormwater >

DANR:< https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/stormwater/default.aspx >

EPA: < https://www.epa.gov/npdes >

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

The SDDOT has obtained concurrence with the State Historic Preservation Office (SHPO or THPO) for all work included within the project limits and all department designated sources and designated option material sources, stockpile sites, storage areas, and waste sites provided within the plans.

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.

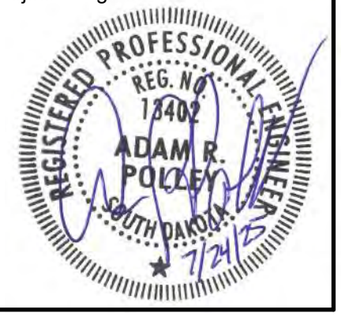
The Contractor will arrange and pay for a record search and when necessary, a cultural resource survey. The Contractor has the option to contact the state Archaeological Research Center (ARC) at (605) 394-1936 or another qualified archaeologist, to obtain either a records search or a cultural resources 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 150 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.

SHPO/THPO review does not relieve the Contractor of the responsibility 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.



COMMITMENT J: CONSTRUCTION PRACTICES FOR TEMPORARY WORKS IN WATERWAYS OF THE U.S.

The Contractor is advised that special construction measures must be taken to ensure that the waterways of the U.S. are not impacted.

Action Taken/Required:

Excavation will not occur below the ordinary high-water elevation in waterways outside of caissons, cribs, cofferdams, steel piling, or sheeting. The natural streambed will not be disturbed unless specified by the plans and under the observation of the Project Engineer. Refer to the Table of U.S. Waterways to Protect for ordinary high-water elevations. Any structure work over or within the waterway will be constructed according to Section 7.21 C of the Specifications.

All dredged or excavated materials will be placed at a site above the ordinary high-water elevation in a confined area (not classified as a wetland) that is a minimum of 50 feet away from concentrated flows of storm water, drainage courses, and inlets to prevent return of such material to the waterway.

The construction of temporary work platforms, crossings, or berms below the ordinary high-water elevation will be allowed if all material placed below the ordinary high-water elevation consists of Class B or larger riprap.

All temporary caissons, cribs, cofferdams, steel piling, sheeting, work platforms, crossings, and berms will be removed with minimal disturbance to the streambed. Proper construction practices will be used to minimize increases in suspended solids and turbidity in the waterway.

Bridge berms, wing dams, traffic diversions, channel reconstruction, stream diversions, grading, etc. will be constructed in close conformity with the plans to ensure that the hydraulic capacity of the waterway is not changed.

Temporary waterway crossings required for the Contractor's construction operations will be constructed with an adequate drainage structure size and minimum fill height to reduce the potential for upstream flooding. The Contractor will be responsible for sizing the temporary drainage structure for these crossings.

All temporary works in waterways of the US are required to be covered in the Corp of Engineers 404 Permit. At the time of the preconstruction meeting, the Contractor will submit documentation for all temporary works for the purpose of complying with the 404 Permit requirements in accordance with Section 423.3 A of the Specifications.

Table of U.S. Waterways to Protect

Station	PCN	Waterway	Ordinary High-Water Elevation
10+00	099U	Choteau Creek	1256.6'
10+00	099V	Emanuel Creek	1411.4'
10+00	09A0	Turtle Creek	1698.4'
10+00	09A1	Wolf Creek	1385.8'

Stream channel excavation within "Waters of the US" is subject to USACE regulatory jurisdiction. Stream channel excavation cannot exceed the permitted quantities and/or surface area. The 404 Permit is included in the Special Provisions.

The Contractor will take all precautions necessary to prevent any incidental discharges associated with the excavation and hauling of material from the stream channel. This pertains to any excavation operations such as, foundation, pier, or abutment excavation, channel cleanout, excavation for riprap protection, and removal of any temporary fill associated with construction activities.

COMMITMENT M: SECTION 4(f)/6(f) RESOURCES

COMMITMENT M1: SECTION 4(f) PROPERTY

A Section 4(f) Evaluation concluded there are no feasible and prudent alternatives to avoiding Section 4(f) property located within the project.

Station	PCN	Section 4(f) Property
10+00	099U	Str. No. 05-028-200 – NRHP Eligible
10+00	099V	Str. No. 05-138-080 – NRHP Eligible

Action Taken/Required:

The replacement of structure 05-028-200 and 05-138-080 will result in an Adverse Effect to historic properties. A Memorandum of Agreement was signed for both projects and MOA stipulations must be fulfilled prior to construction. The South Dakota SHPO confirmed that MOA stipulations I-III have been completed for both PCN 09UU and PCN 09UV on 05/23/2025.

Programmatic Section 4(f) Evaluations for Use of Historic Bridge 05-028-200 and 05-138-080 were approved by FHWA.

The Contractor is not permitted to stage equipment or materials within nearby park(s). The Contractor will notify the Project Engineer if additional easement is needed to complete the work adjacent to any Section 4(f) property. The Project Engineer will obtain an appropriate course of action from the Environmental Office before proceeding with construction activities that affect any Section 4(f) property.

COMMITMENT N: SECTION 404 PERMIT

The SDDOT has obtained a Section 404 Permit from the USACE for the permanent actions associated with this project.

Action Taken/Required:

The Contractor will comply with all requirements contained in the Section 404 Permit.

The Contractor will also be responsible for obtaining a Section 404 Permit for any dredge, excavation, or fill activities associated with material sources, storage areas, waste sites, and Contractor work sites outside the plan work limits that affect wetlands, floodplains, or waters of the United States.

GRADING OPERATIONS

The estimated cubic yards of excavation and/or embankment required to construct outlet ditches, ditch blocks, and approaches are included in the earthwork balance notes on the profile sheets.

Special ditch grades and other sections of the roadway different than the typical section will be constructed to the limits shown on the cross sections. If significant changes to the cross sections are necessary during construction, the Engineer will contact the Designer for the proposed change.

Generally, all shallow inlet and outlet ditches as noted on the plan sheets will be cut with a 10-foot wide bottom with 5:1 backslopes. However, the Engineer may direct the Contractor to adjust the ditch width for proper alignment with the drainage structure.

Temporary fence and/or permanent fence will be placed ahead of the grading operation unless otherwise directed by the Engineer.

UTILITIES

There are no known utilities on site. The Contractor will be responsible for conducting the SD One-Call as required by state law.

CLEARING

Before clearing activities begin, the Contractor will contact the Engineer to determine the limits of clearing for the project. If the trees or shrubs that are to remain within the limits of work are damaged or destroyed by the Contractor, the Contractor will replace them with the same size and type at the Contractor's expense.

TABLE OF CLEAR AND GRUB TREE (>6" DIAMETER)

PCN 099U STR. NO. 05-028-200

Sta.	L/R	Diameter (Inch)
10+64	20' Rt.	24

SHRINKAGE FACTOR

Embankment +35%

EARTHWORK BALANCE

PCN 099U STR. NO. 05-028-200

Excavation	467	CuYd		Embankment	0	CuYd
Other Excavation	0	CuYd		35% Shrinkage	0	CuYd
Contractor Furnished Borrow Excavation	0	CuYd		Waste	467	CuYd
Total	467	CuYd		Total	467	CuYd

PCN 099V STR. NO. 05-138-080

Excavation	512	CuYd		Embankment	43	CuYd
Other Excavation	0	CuYd		35% Shrinkage	15	CuYd
Contractor Furnished Borrow Excavation	0	CuYd		Waste	454	CuYd
Total	512	CuYd		Total	512	CuYd

PCN 09A0 STR. NO. 30-170-318

Excavation	538	CuYd		Embankment	19	CuYd
Other Excavation	0	CuYd		35% Shrinkage	7	CuYd
Contractor Furnished Borrow Excavation	0	CuYd		Waste	512	CuYd
Total	538	CuYd		Total	538	CuYd

PCN 09A1 STR. NO. 30-240-188

Excavation	185	CuYd		Embankment	4	CuYd
Other Excavation	0	CuYd		35% Shrinkage	2	CuYd
Contractor Furnished Borrow Excavation	0	CuYd		Waste	179	CuYd
Total	185	CuYd		Total	185	CuYd

PCN 09A2 STR. NO. 44-091-040

Excavation	100	CuYd		Embankment	3	CuYd
Other Excavation	0	CuYd		35% Shrinkage	1	CuYd
Contractor Furnished Borrow Excavation	0	CuYd		Waste	96	CuYd
Total	100	CuYd		Total	100	CuYd

Excavation is the quantity of Unclassified Excavation less the quantity of topsoil.

These quantities are for information purposes only, compensation for these are accounted for within various bid items.

All costs for labor, materials, and equipment necessary to waste material as well as restoration of the waste site(s) will be incidental to the contract unit price per cubic yard for "Unclassified Excavation".

TABLE OF UNCLASSIFIED EXCAVATION

PCN 099U STR. NO. 05-028-200

Excavation	467 CuYd
Total	467 CuYd

PCN 099V STR. NO. 05-138-080

Excavation	512 CuYd
Total	512 CuYd

PCN 09A0 STR. NO. 30-170-318

Excavation	538 CuYd
Total	538 CuYd

PCN 09A1 STR. NO. 30-240-188

Excavation	185 CuYd
Total	185 CuYd

PCN 09A2 STR. NO. 44-091-040

Excavation	100 CuYd
Total	100 CuYd

PROCEDURES FOR DETERMINING UNCLASSIFIED EXCAVATION QUANTITY

The plans shown quantity will be the basis of payment.

TEMPORARY FENCE

The Contractor will verify the location of the temporary fence with the landowner prior to installation of the fence.

BRACE PANELS FOR ROW FENCE

The E-Z Brace or an approved equal may be utilized as an alternate horizontal brace in the brace panels if approved by the Engineer. The E-Z Brace will be attached to each wood post utilizing two 5/16" x 3" lag screws. Holes of appropriate diameter, based on wood post condition, will be drilled before placement of lag screws. The following is the contact regarding the E-Z Brace:

Charlie Mack
Macksteel E-Z Braces
415 20th Ave. SE.
Watertown, SD 57201
605-882-2177

CONTRACTOR FURNISHED TOPSOIL

It is anticipated that a larger volume of topsoil will be needed for the new grade than can be salvaged from the existing grade. The Contractor will be required to furnish and place 4 inches of topsoil on roadway inslopes and areas as determined by the Engineer during construction.

Contractor furnished topsoil will be free from stones, coarse gravel, or similar objects larger than 3/4 inch in diameter. Brush, stumps, roots, wood, objectionable weeds, litter, or any other material which may be harmful to plant growth will not be allowed. Organic material will be decomposed.

All costs to furnish and place the Contractor furnished topsoil will be incidental to the contract unit price per cubic yard for “Contractor Furnished Topsoil”. Plans quantity will be the basis of payment for Contractor furnished topsoil. No measurements will be made.

The thickness will be approximately 4 inches within the right-of-way and 6 inches on temporary easements. The estimated amount of topsoil to be placed is as follows:

PCN 099U STR. NO. 05-028-200

Sta.	to	Sta.	Topsoil (CuYd)
9+30		10+79	50
		Total:	50

PCN 099V STR. NO. 05-138-080

Sta.	to	Sta.	Topsoil (CuYd)
9+44		11+02	92
		Total:	92

PCN 09A0 STR. NO. 30-170-318

Sta.	to	Sta.	Topsoil (CuYd)
9+35		10+68	64
		Total:	64

PCN 09A1 STR. NO. 30-240-188

Sta.	to	Sta.	Topsoil (CuYd)
9+59		10+38	32
		Total:	32

PCN 09A2 STR. NO. 44-091-040

Sta.	to	Sta.	Topsoil (CuYd)
9+68		10+33	32
		Total:	32

EROSION CONTROL

PCN 099U STR. NO. 05-028-200

The estimated area requiring erosion control is 4,018 square feet. All costs for the erosion control work for furnishing, placing, and maintaining erosion control including equipment, labor, seeding, and fiber reinforced matrix will be incidental to the contract lump sum price for “Erosion Control”.

PCN 099V STR. NO. 05-138-080

The estimated area requiring erosion control is 6,897 square feet. All costs for the erosion control work for furnishing, placing, and maintaining erosion control including equipment labor, seeding, and fiber reinforced matrix will be incidental to the contract lump sum price for “Erosion Control”.

PCN 09A0 STR. NO. 30-170-318

The estimated area requiring erosion control is 5,200 square feet. All costs for the erosion control work for furnishing, placing, and maintaining erosion control including equipment labor, seeding, and fiber reinforced matrix will be incidental to the contract lump sum price for “Erosion Control”.

PCN 09A1 STR. NO. 30-240-188

The estimated area requiring erosion control is 2,588 square feet. All costs for the erosion control work for furnishing, placing, and maintaining erosion control including equipment, labor, seeding, and fiber reinforced matrix will be incidental to the contract lump sum price for “Erosion Control”.

PCN 09A2 STR. NO. 44-091-040

The estimated area requiring erosion control is 2,605 square feet. All costs for the erosion control work for furnishing, placing, and maintaining erosion control including equipment, labor, seeding, and fiber reinforced matrix 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 lump sum price for “Erosion Control”.

The Mycorrhizal Inoculum provided will be from the approved product list. The approved product list may be viewed at the following internet site:

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

Permanent Seeding

The areas to be seeded consist of all newly graded areas within the project limits except for the top of roadways and temporary easements under cultivation.

Special Permanent Seed Mixture will consist of the following:

Common Name Grass Species	Variety	Pure Live Seed (PLS) (Pounds/Acre)
Big Bluestem	Bison, Bonilla, Champ, Sunnyview, Rountree, Bonanza	1.5
Side oats grama	Butte, Pierre	1.0
Blue Grama	Bad River	1.1
Canada wild rye	Mandan	1.4
Slender Wheatgrass	AEC Hillcrest, First Strike, Boreal, Oracle	2.0
Annual Ryegrass		5.5
Western wheatgrass	Arriba, Flintlock, Rodan, Rosana, Walsh	1.4
Salty Alkaligrass	Fults, Fults II, Quill, Salty	1.2
Little Bluestem	Aldous, Itasca	0.9
Indian Grass	Holt, Tomahawk, Chief, Nebraska 54	0.6
Switchgrass	Dacotah, Forestburg, Nebraska 28, Pathfinder, Summer, Sunburst, Trailblazer	1.4
	Total:	18.0

Fiber Reinforced Matrix

Fiber reinforced matrix will be applied in a separate operation following permanent seeding at locations noted in the table and at locations determined by the Engineer during construction. The application rate is 3,000 pounds per acre.

An additional quantity of Fiber Reinforced Matrix has been added to the Estimate of Quantities for erosion control on areas determined by the Engineer during construction.

The Contractor will use a Fiber Reinforced Matrix from the approved products list, or an approved equal. The approved product list for Fiber Reinforced Matrix may be viewed at the following internet site.

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

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
7/24/25

EROSION CONTROL (continued)

Table of Fiber Reinforced Matrix

PCN 099U STR. NO. 05-028-200

Sta.	Area (Acre)	Quantity (Lb)
9+28 to 9+68	0.040	120
10+26 to 10+73	0.050	150
Additional Quantity:	0.010	30
Total:	0.100	300

PCN 099V STR. NO. 05-138-080

Sta.	Area (Acre)	Quantity (Lb)
9+40 to 9+81	0.040	120
9+87 to 11+02	0.118	355
Additional Quantity:	0.017	50
Total:	0.175	525

PCN 09A0 STR. NO. 30-170-318

Sta.	Area (Acre)	Quantity (Lb)
9+36 to 9+94	0.050	150
9+93 to 10+66	0.070	210
Additional Quantity:	0.005	15
Total:	0.125	375

PCN 09A1 STR. NO. 30-240-188

Sta.	Area (Acre)	Quantity (Lb)
9+56 to 9+91	0.030	90
10+04 to 10+38	0.030	90
Additional Quantity:	0.005	15
Total:	0.065	195

PCN 09A2 STR. NO. 44-091-040

Sta.	Location	Area (Acre)	Quantity (Lb)
9+48 to 9+90	Inslope	0.030	90
10+01 to 10+34	Inslope	0.030	90
Additional Quantity:		0.005	15
Total:		0.065	195

EROSION CONTROL WATTLE

Erosion control wattles for restraining the flow of runoff and sediment will be installed at locations noted in the table and at locations determined by the Engineer during construction. Refer to Standard Plate 734.06 for details.

The Contractor will provide certification that the erosion control wattles do not contain noxious weed seeds.

Erosion control wattles will remain on the project to decompose.

An additional quantity of 12" Diameter Erosion Control Wattles has been added to the Estimate of Quantities for temporary erosion and sediment control in highway ditch channels and as an alternative to low flow or high flow silt fence at wetland areas adjacent to the highway.

The erosion control wattle provided will be from the approved product list. The approved product list for erosion control wattle may be viewed at the following internet site:

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

TABLE OF EROSION CONTROL WATTLE

PCN 099U STR. NO. 05-028-200

Station - Side	Location	Diameter (Inch)	Quantity (Ft)
9+10 L	Project Limits	12	20
9+21 R	Project Limits	12	20
9+28 L	Project Limits	12	20
9+40 R	Project Limits	12	20
9+46 L	Project Limits	12	20
9+58 R	Project Limits	12	20
10+34 L	Project Limits	12	20
10+51 R	Project Limits	12	20
10+52 L	Project Limits	12	20
10+68 R	Project Limits	12	20
10+71 L	Project Limits	12	20
	Additional Quantity:	12	20
		Total:	240

PCN 099V STR. NO. 05-138-080

Station - Side	Location	Diameter (Inch)	Quantity (Ft)
9+47 R	Project Limits	12	20
9+68 L	Project Limits	12	20
9+78 L	Project Limits	12	20
9+90 R	Project Limits	12	20
10+62 L	Project Limits	12	20
10+78 L	Project Limits	12	20
	Additional Quantity:	12	20
		Total:	140

PCN 09A0 STR. NO. 30-170-318

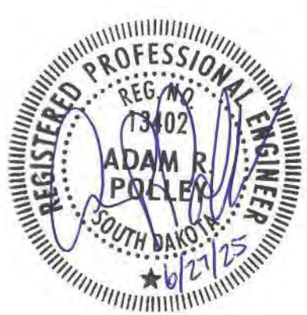
Station - Side	Location	Diameter (Inch)	Quantity (Ft)
9+44 R	Project Limits	12	20
9+47 L	Project Limits	12	20
9+62 R	Project Limits	12	20
9+64 L	Project Limits	12	20
9+83 L	Project Limits	12	20
10+07 R	Project Limits	12	20
10+25 R	Project Limits	12	20
10+35 L	Project Limits	12	20
10+43 R	Project Limits	12	20
10+61 L	Project Limits	12	20
	Additional Quantity:	12	20
		Total:	220

PCN 09A1 STR. NO. 30-240-188

Station - Side	Location	Diameter (Inch)	Quantity (Ft)
9+62 L	Project Limits	12	20
9+74 R	Project Limits	12	20
10+17 L	Project Limits	12	20
10+30 R	Project Limits	12	20
	Additional Quantity:	12	20
		Total:	100

PCN 09A2 STR. NO. 44-091-040

Station - Side	Location	Diameter (Inch)	Quantity (Ft)
9+60 L	Project Limits	12	20
9+74 R	Project Limits	12	20
9+80 L	Project Limits	12	20
9+85 R	Project Limits	12	20
10+24 R	Project Limits	12	20
10+29 L	Project Limits	12	20
	Additional Quantity:	12	20
		Total:	140



FLOATING SILT CURTAIN

Floating silt curtains will be installed at locations noted in the table and at locations determined by the Engineer during construction.

The Contractor will determine the water depth and other waterway characteristics such as stream flow velocity and seek technical advice from the manufacturer before ordering the floating silt curtain so that the floating silt curtain installed is the correct type for the individual sites.

The Contractor will install the floating silt curtain in accordance with the manufacturer's installation instructions or as directed by the Engineer.

The Contractor will maintain the floating silt curtains for the duration of the project to ensure continuous protection of the waterway.

The Floating Silt Curtain provided will be from the approved product list. The approved product list may be viewed at the following internet site:

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

TABLE OF FLOATING SILT CURTAIN

PCN 099U STR. NO. 05-028-200

Station - Side		Station - Side	Quantity (Ft)
9+55 – 38' L	to	9+68 – 23' R	68
10+24 – 38' L	to	10+41 – 23' R	79
		Additional Quantity:	20
		Total:	167

PCN 099V STR. NO. 05-138-080

Station - Side		Station - Side	Quantity (Ft)
9+47 – 31' R	to	9+81 – 20' L	62
9+87 – 62' R	to	10+52 – 45' L	127
		Additional Quantity:	11
		Total:	200

PCN 09A2 STR. NO. 44-091-040

Station - Side		Station - Side	Quantity (Ft)
9+85 – 32' R	To	9+89 – 29' L	71
10+15 – 25' R	To	10+19 – 26' L	79
		Additional Quantity:	50
		Total:	200

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 PERMANENT SIGNING

New sign installations will be staked in the field by the Contractor and checked by the Engineer. The Contractor will give the Engineer a minimum of one week to check staked locations prior to signpost installation. Lateral offset of signs will be as shown in the plans or as directed by the Engineer.

The Contractor will be responsible for contacting South Dakota One Call to locate the utilities at the staked sign installation locations.

When signs are mounted in an assembly, they will be 1-2 inches apart vertically and horizontally.

The height of the post must not exceed the minimum height needed by more than 0.5 feet. Any portion that extends above the sign will be cut off. No separate payment will be made for cutting the post or for that length cut off.

Aluminum U-Channel stiffeners will be used on all signs 36 inches or greater in width and will conform to ASTM B221 Alloy 6063-T6 or 6061-T6. The U-Channel will be 2 inches in width and free of holes. The U-Channel stiffeners will also be used to connect various signs together so that an entire sign assembly can be erected on a single installation. Stiffeners may be fastened to signs by use of 1/4-inch diameter drive rivets.

The Contractor will use 3/8-inch diameter rust proof machine sign bolts, flat metal washers, neoprene washers (against the sign sheeting), lock washers, and nuts to fasten the sign to the channel aluminum and posts. A minimum of two bolts will extend through each post.

Prior to ordering signs, the Contractor will verify dimensions, background, border, and legend of the signs.

Prior to use, the Contractor will provide documentation for the sign support devices showing they meet the applicable NCHRP 350 or MASH requirements.

REMOVE TRAFFIC SIGN

Existing signs that are shown as being removed in the Permanent Signing Table will become the property of the Contractor. Existing signposts and bases will be removed in their entirety. All existing signs, posts, and/or hardware removed will not be reused. Holes remaining from the removal of wood posts will be backfilled and compacted with material placed in layers not to exceed 6 inches in depth.

All costs associated with the removal of existing signs, posts, hardware, and backfilled holes will be incidental to the contract unit price per each for "Remove Traffic Sign". Quantities will be per assembly at the contract unit price per each.

TABLE OF TRAFFIC SIGN REMOVAL

PCN 099U STR. NO. 05-028-200

Sta.	L/R	Sign Size	Description
10+44	L	12"x36"	Type 3 Object Marker
10+45	R	12"x36"	Type 3 Object Marker

PCN 099V STR. NO. 05-138-080

Sta.	L/R	Sign Size	Description
9+67	R	12"x36"	Type 3 Object Marker
9+68	L	12"x36"	Type 3 Object Marker
10+33	L	12"x36"	Type 3 Object Marker
10+34	R	12"x36"	Type 3 Object Marker

PCN 09A2 STR. NO. 44-091-040

Sta.	L/R	Sign Size	Description
9+84	R	12"x36"	Type 3 Object Marker
9+85	L	12"x36"	Type 3 Object Marker
10+15	L	12"x36"	Type 3 Object Marker
10+15	R	12'x36"	Type 3 Object Marker

NEW PERMANENT SIGNING

All signs will be manufactured in accordance with the sheeting manufacturer's recommendations utilizing a matched component system, including inks, electronic cuttable films, and protective overlay films.

All Flat Aluminum Signs, Nonremovable Copy High Intensity will have sheeting in conformance with the requirements of ASTM D4956 Type IV. All Flat Aluminum Signs, Nonremovable Copy Super/Very High Intensity will have sheeting in conformance with the requirements of ASTM D4956 Type XI.

All costs associated with furnishing and installing the new permanent signs, and with furnishing and installing stiffeners and hardware will be incidental to the contract unit price per square foot for "Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity."

DIGITALLY PRINTED SIGNS

Digitally printed signs will be allowed on this project. If the Contractor elects to provide digitally printed signs, such signs will adhere to the following specifications.

Protective Overlay Film

Permanent traffic signs printed with digital ink systems will be fabricated with a full sign protective overlay film designed to provide a smooth surface needed for retroreflectivity, and to protect the sign from fading and UV degradation. The overlaminate will comply with the retroreflective sheeting manufacturer's recommendations to ensure proper adhesion and transparency and will also meet the reflective film durability as identified in Table 1.

Table 1: Retroreflective Film Minimum Durability Requirements

ASTM D4956 Type	Full Sign Replacement Term (years)	Sheeting Replacement Term (years)
I	0	7
III	7	10
IV	7	10
VIII	7	10
IX	7	12
XI	7	12

Fabrication

Retroreflective sheeting will be applied to a properly cleaned and prepared aluminum sign blank in accordance with the retroreflective sheeting manufacturer's recommendations. Sign legend will be applied using digital print technologies and systems in accordance with the retroreflective sheeting manufacturer's recommendations and the requirements of these plans.

Finished signs will be free of ragged edges and must be supplied clean and free of scratches, grease, oil, lubricants or other contaminants. Minor blemishes (dirt speck, dust, etc.) may settle on the fresh ink surface or become entrapped between the sheeting surface and transparent overlay film due to static charge within the sign shop environment. Any blemish must be minor and not interfere with the communication of the sign message to the motorist. The blemish must not be visible to the naked eye when viewed from 30 feet or greater.

After application of the retroreflective sheeting, sign blanks will be stacked and packaged face to face, back-to-back, and protected in accordance with the sheeting manufacturer's recommendations. Finished signs will be securely packaged to prevent damage during transit or storage according to the sheeting manufacturer's recommendations.

Traffic Sign Performance Warranty Provisions

Based on the ASTM Type of sheeting specified, traffic control signs will be warranted for the duration shown in Table 1. Full product terms and conditions are as established by each sheeting manufacturer and may contain certain limitations based on sheeting and ink colors, and geographic exposure of the sign. A copy of the warranty document with complete details of terms and conditions will be supplied if requested by the Engineer.

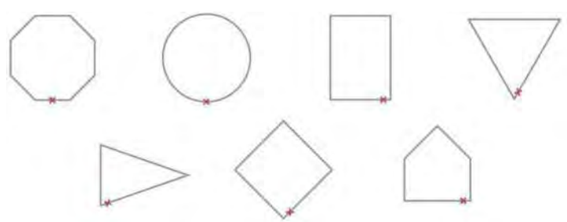
Certified Digital Sign Fabricator

Sign fabricators using digital imaging methods to produce regulated traffic signs must be certified by the reflective sheeting manufacturer whose materials are used to produce the delivered signs.

Date Tagging Signs with Pertinent Information

All digitally printed signs are required to be date-tagged with the following 2 components:

1. Date tags on the back of signs
   Tags will have the following information and be fabricated with material and printing system that are as durable as the warranted sign.
   - Name of Sign Fabricator
   - Date the sign was fabricated (month and year)
   - Process that was used for sign fabrication (digitally printed)
   - Supplier of sheeting that was used for fabricating the sign.
2. Border date
   The month and year (mm/yyyy) of sign fabrication will be printed in the border of the sign in 3/8" sans serif font. Border date will be printed with the same warranted printed system as the sign face. The date should be printed in the locations indicated below.



PERFORATED TUBE POST

The Contractor will use Telespar® brand (or approved equal) posts and bases on all new standard highway signs as approved by the Engineer.

Signposts and bases will be constructed in accordance with Special Detail L21.

SQUARE TUBE ANCHOR SLEEVE

The Contractor will furnish and install new 2.5" x 2.5" x 18", 12 Gauge square tube anchor sleeve or equivalent components as approved by the Engineer for 2.0" x 2.0" perforated tube posts. A 2.25" x 2.25" x 4', 12 Gauge perforated tube post will be used as the anchor post for installation with the square tube anchor sleeve.

REGISTERED PROFESSIONAL ENGINEER
REG NO 13402
ADAM R POLLEY
SOUTH DAKOTA
6/27/25

LEGEND

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17), BRO-B 8005(18), BRO-B 8030(24), BRO-B 8030(25), & BRO-B 8044(15)	14	80

CONTROL LEGEND

Benchmark	
Control Point	

SANITARY SEWER LEGEND

Sanitary Manhole	
Sewer Cleanout	
Unknown Manhole	
Force Main	FM
Sanitary Sewer	

STORM SEWER LEGEND

Storm Inlet	
Storm Double Inlet	
Storm Manhole	
Flared End Section	
Downspout - Above Ground	AG
Downspout - Underground	UG
Storm Sewer	
Pipe Underdrain	

WATER LEGEND

Curb Stop	
Fire Hydrant	
Post Indicator Valve	PIV
Sprinkler Head	S
Sprinkler Box	V
Water Meter	W
Water Valve	
Water Well	W
Underground Water	W W

COMMUNICATIONS LEGEND

Fiber Optic Cable	FOC FOC
Telephone Manhole	T
Telephone Pedestal	T
Telephone Pole	
Telephone Line	T T
Cable Television Pedestal	C
Television Line	TV

GAS LEGEND

Gas Meter	G
Gas Valve	
Gas Line	G

GENERIC UTILITY LEGEND

Utility Manhole	U
Utility Marker	
Handhole (Single/Double)	H H H
Utility Line	UT UT

ELECTRIC LEGEND

Air Conditioner/Cooling Unit	A
Guy Pole	
Guy Wire	
Light Pole	
Vapor Light	
Electric Manhole	E
Electric Pedestal/Transformer	E
Electric Meter	E
Power Pole	
Power Pole with Light	
Power Pole with Meter	
Junction Box	J
Traffic Signal	
Traffic Cantilever	
Traffic Signal Controller	
Overhead Electric	OE OE
Underground Electric	E E

FENCING/POST LEGEND

Post/Bollard	P
Wire Fence	
Chain Link Fence	
Woven Wire Fence	
Guardrail	

SIGN/PARK LEGEND

Mail Box	
Single Post Sign	
Double Post Sign	
Flagpole	
ADA Stall	

VEGETATION LEGEND

Bush	
Coniferous Tree	
Deciduous Tree	
Tree Stump	
Edge of Woods	

EROSION CONTROL LEGEND

Fiber Reinforced Matrix	
Erosion Control Wattles	
Riprap	
Silt Curtain	SC SC SC
Silt Fence	SF SF SF
Temporary Diversion Channel	

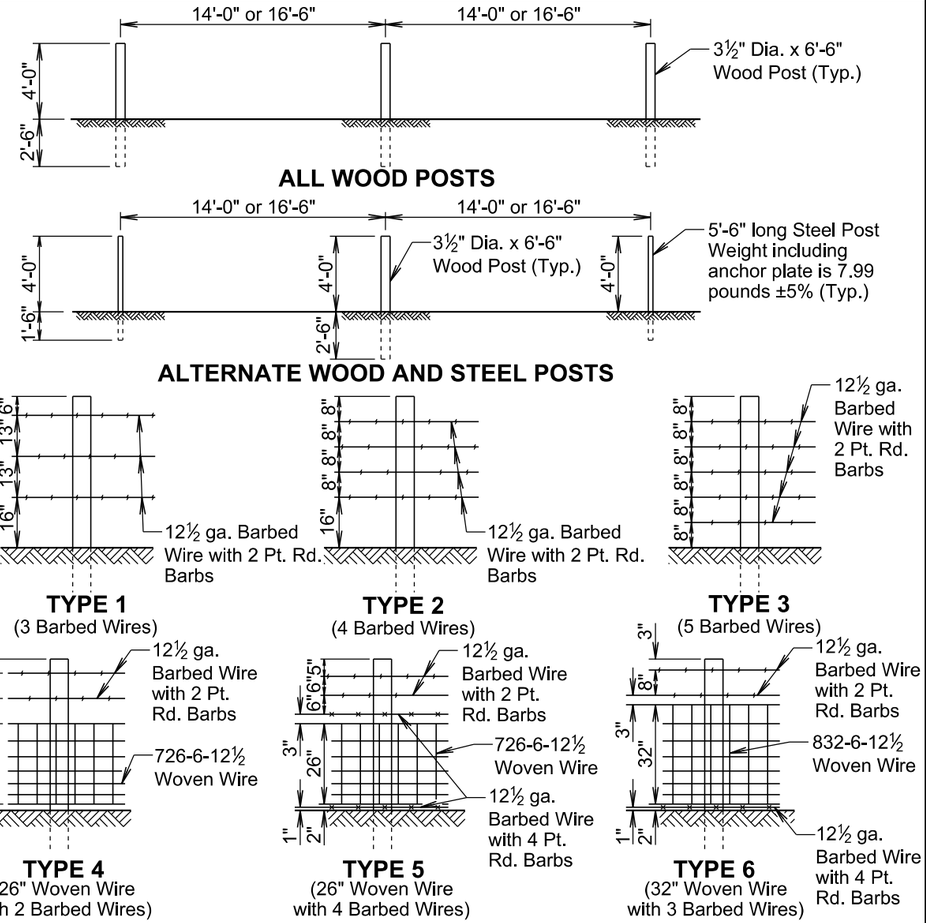
BOUNDARY

Found Corner	
Set Corner	
Section Line	
Quarter Line	
16th Line	
32nd Line	
Easement Line	
Right of Way Line	

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17), BRO-B 8005(18), BRO-B 8030(24), BRO-B 8030(25), & BRO-B 8044(15)	15	80



TYPE OF FENCE		LINE POST SPACING	BARBED WIRE		WOVEN WIRE
TYPE	DESCRIPTION		WIRE GAGE	NUMBER AND SHAPE OF BARBS	STYLE OR DESIGN NO.
1	3 Barbed Wires	16'-6"	12½	2 Point Round	—
2	4 Barbed Wires	16'-6"	12½	2 Point Round	—
3	5 Barbed Wires	16'-6"	12½	2 Point Round	—
4	26" Woven Wire with 2 Barbed Wires	14'-0"	12½	2 Point Round	726-6-12½
5	26" Woven Wire with 4 Barbed Wires	14'-0"	12½	2 wires with 2 Pt. Rd. 2 wires with 4 Pt. Rd.	726-6-12½
6	32" Woven Wire with 3 Barbed Wires	14'-0"	12½	2 wires with 2 Pt. Rd. 1 wire with 4 Pt. Rd.	832-6-12½

GENERAL NOTES:

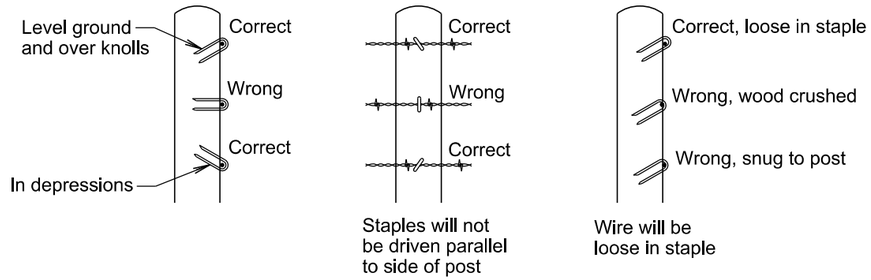
Fence types designated on the plans that are followed by the letter S will have smooth (barbless) wires.

When type 5S or 6S is designated the bottom wire may be barbed, smooth, or left off.

All radius of curvature stated for fence are at centerline of roadway.

April 8, 2025

Published Date: 2026	SDDOT — *RIGHT-OF-WAY FENCE*	*PLATE NUMBER* 620.01 — *Sheet 1 of 1*



STAPLE INSTALLATION

GENERAL NOTES:

The Right-of-Way fence will consist of barbed wire or a combination of woven wire and barbed wire. The barbed wire and/or woven wire will be fastened to all wood posts or fastened to alternating wood and steel posts. Only wood posts will be used for brace panels. Gates will be of the type designated in the plans or as otherwise directed by the Engineer. Fence will be constructed conforming to the details on the standard plates and in the plans unless otherwise directed by the Engineer.

Right-of-Way fence on Interstate Projects will be constructed one foot within the Interstate Right-of-Way lines except at bridge openings, cattle passes, and as otherwise directed by the Engineer.

Right-of-Way fence other than on Interstate Projects will be constructed within one foot of the Right-of-Way on the Landowner's side except at bridge openings, cattle passes, and as otherwise directed by the Engineer.

Barbs will be fabricated from zinc coated 14 ga. wire. Two point barbs will be wrapped twice around one main strand at four-inch spacings and the four point barbs will be interlocked and wrapped around both main strands at five-inch spacings.

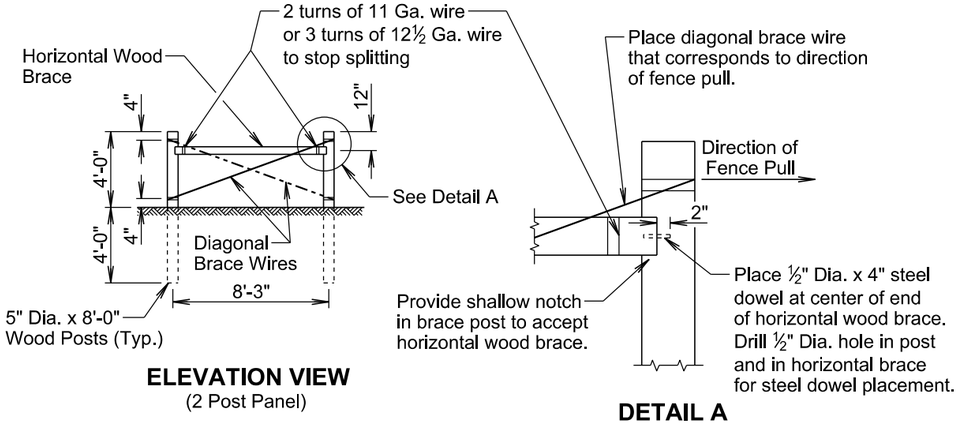
The gages of wire and wood post lengths and sizes are the minimum acceptable unless otherwise specified in the plans. The tolerances for steel posts will be as stated in AASHTO M281. Woven wire will conform to design and specifications of ASTM A116 and barbed wire will conform to ASTM A121.

June 26, 2019

Published Date: 2026	SDDOT — *STAPLE INSTALLATION AND GENERAL RIGHT-OF-WAY FENCE NOTES*	*PLATE NUMBER* 620.02 — *Sheet 1 of 1*

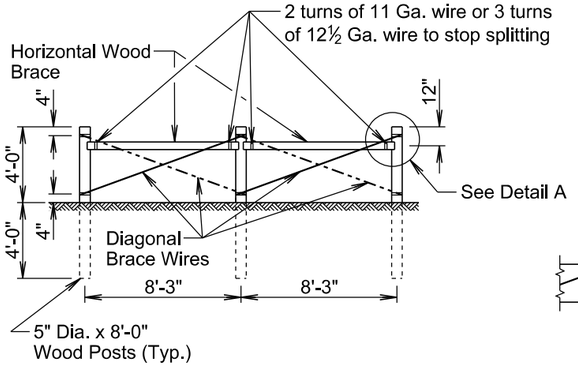
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17), BRO-B 8005(18), BRO-B 8030(24), BRO-B 8030(25), & BRO-B 8044(15)	16	80

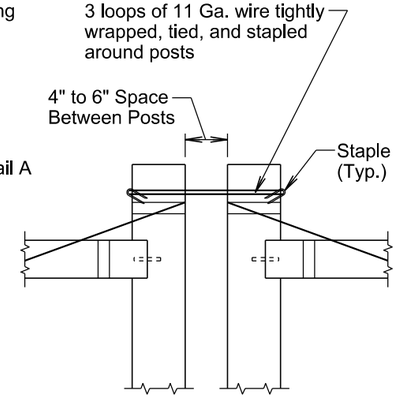


ELEVATION VIEW
(2 Post Panel)

DETAIL A



ELEVATION VIEW
(3 Post Panel)



DETAIL B

GENERAL NOTES:

Two Post Panels will be installed at least every 1320' between corners.

Two Post Panels will be installed at any sharp vertical angle crest points and as directed by the Engineer.

Horizontal wood braces will consist of 4" dia. x 8' wood posts or rough 4" x 4" x 8' timbers.

Diagonal brace wires will be fabricated with 4 strands of 9 Ga. galvanized wire twisted tight. The diagonal brace wires will be installed in accordance with the direction of the fence pull. Two diagonal brace wires are required if fence pull is in both directions.

March 31, 2024

Published Date: 2026	SDDOT	*BRACE PANELS AND APPLICATIONS OF BRACE PANELS*	*PLATE NUMBER 620.03* *Sheet 1 of 3*

SPACING OF 2 POST PANELS WITHIN CURVES	
RADIUS OF CURVE	SPACING OF 2 POST PANEL
Greater than 1800 Ft.	** 1320'
Less than 1800 Ft.	** At P.C., P.T., and at every 1320' between P.C. and P.T.

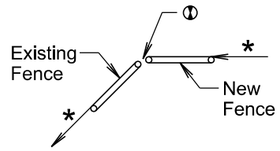
** Fence lengths greater than 1320' and less than 2640' place 2 Post Panel approximately at midpoint.

① See Detail B on Sheet 1 of 3.

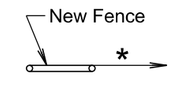
GENERAL NOTE:

All radius of curvature stated for fence are at centerline of roadway.

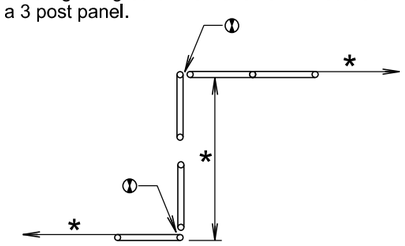
If fence length is less than 600' to next corner use a 2 post panel.
* If fence length is greater than 600' to next corner use a 3 post panel.



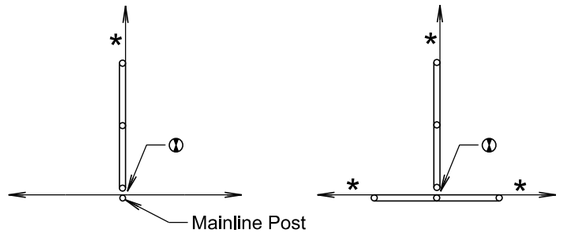
BEGIN OR END FENCE
(Where new fence ties into existing fence)



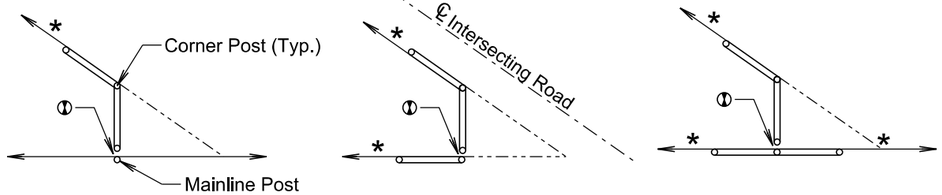
Open ended fence no existing fence



SHORT JOGS IN FENCE



CROSS FENCE



SHARP ANGLES IN CROSS FENCE

Additional fence panel is NOT required when an angle in the mainline fence is 10° and less.

Additional fence panel is required when an angle in the mainline fence is greater than 10°.

ANGLES IN MAINLINE FENCE

March 31, 2024

Published Date: 2026	SDDOT	*BRACE PANELS AND APPLICATIONS OF BRACE PANELS*	*PLATE NUMBER 620.03* *Sheet 2 of 3*

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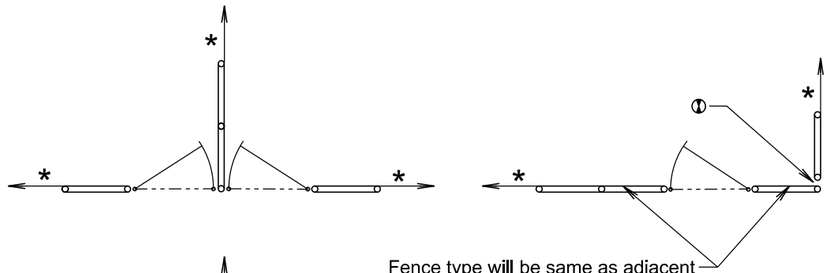
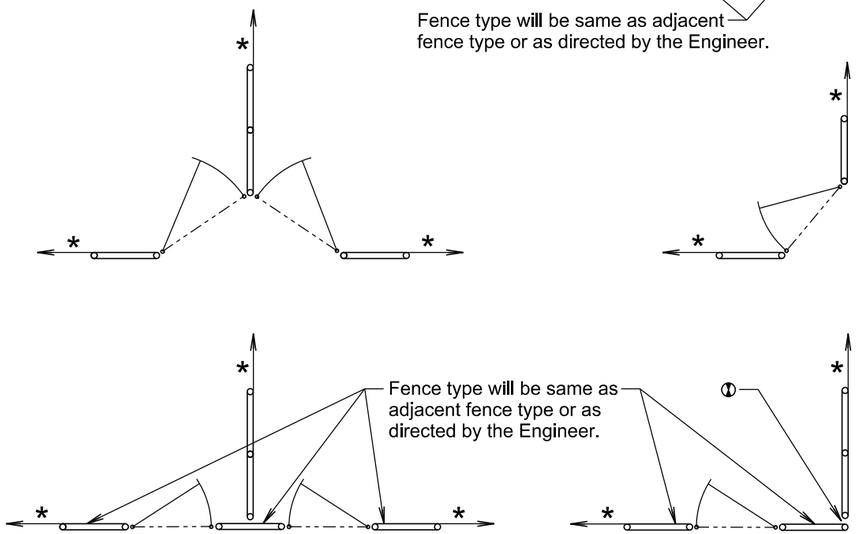
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17), BRO-B 8005(18), BRO-B 8030(24), BRO-B 8030(25), & BRO-B 8044(15)	17	80

ENTRANCE
(Not on corner)





DOUBLE ENTRANCES **ENTRANCES AT CORNERS**

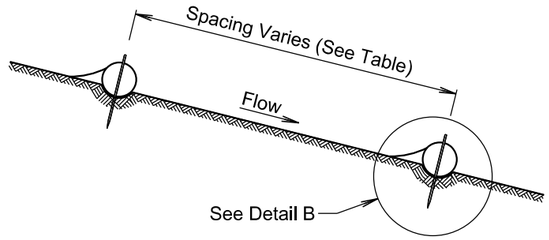
GATES

* If fence length is less than 600' to next corner use a 2 post panel.
If fence length is greater than 600' to next corner use a 3 post panel.

① See Detail B on Sheet 1 of 3.

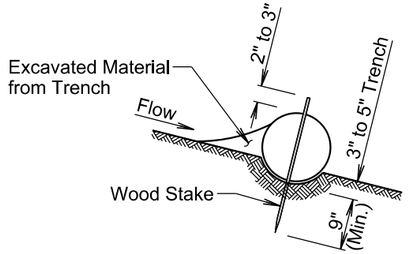
March 31, 2024

Published Date: 2026	SDDOT	BRACE PANELS AND APPLICATIONS OF BRACE PANELS	PLATE NUMBER 620.03
			Sheet 3 of 3

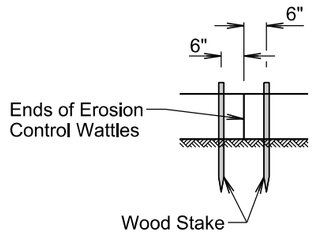


ELEVATION VIEW
(Cut or Fill Slope Installation)

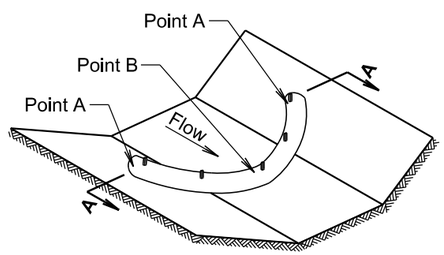
CUT OR FILL SLOPE INSTALLATION	
Slope	Spacing (Ft.)
1:1	10
2:1	20
3:1	30
4:1	40



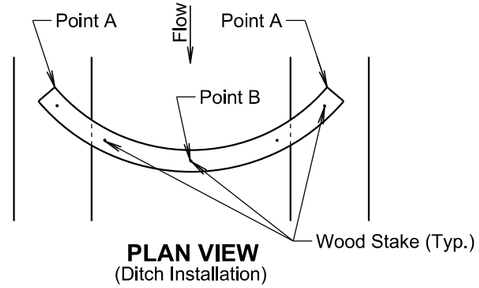
DETAIL B
(Typical of All Installations)



DETAIL C
(See General Notes)

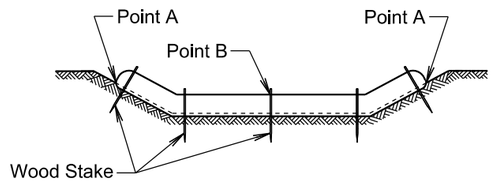


ISOMETRIC VIEW
(Ditch Installation)



PLAN VIEW
(Ditch Installation)

DITCH INSTALLATION	
Grade	Spacing (Ft.)
2%	150
3%	100
4%	75
5%	50



SECTION A-A

February 14, 2020

Published Date: 2026	SDDOT	EROSION CONTROL WATTLE	PLATE NUMBER 734.06
			Sheet 1 of 2

GENERAL NOTES:

At cut or fill slope installations, wattles will be installed along the contour and perpendicular to the water flow.

At ditch installations, point A must be higher than point B to ensure that water flows over the wattle and not around the ends.

The Contractor will dig a 3" to 5" trench, install the wattle tightly in the trench so that daylight can not be seen under the wattle, and then compact the soil excavated from the trench against the wattle on the uphill side. See Detail B.

The stakes will be 1"x2" or 2"x2" wood stakes, however, other types of stakes such as rebar may be used only if approved by the Engineer. The stakes will be placed 6" from the ends of the wattles and the spacing of the stakes along the wattles will be 3' to 4'.

Where installing running lengths of wattles, the Contractor will butt the second wattle tightly against the first and will not overlap the ends. See Detail C.

The Contractor and Engineer will inspect the erosion control wattles in accordance with the storm water permit. The Contractor will remove, dispose, or reshape the accumulated sediment when necessary as determined by the Engineer.

Sediment removal, disposal, or necessary shaping will be as directed by the Engineer. All costs for removing accumulated sediment, disposal of sediment, and necessary shaping will be incidental to the contract unit price per cubic yard for "Remove Sediment".

All costs for furnishing and installing the erosion control wattles including labor, equipment, and materials will be incidental to the contract unit price per foot for the corresponding erosion control wattle contract item.

All costs for removing the erosion control wattle from the project including labor, equipment, and materials will be incidental to the contract unit price per foot for "Remove Erosion Control Wattle".

February 14, 2020

Published Date: 2026	SDDOT	EROSION CONTROL WATTLE	PLATE NUMBER 734.06
			Sheet 2 of 2

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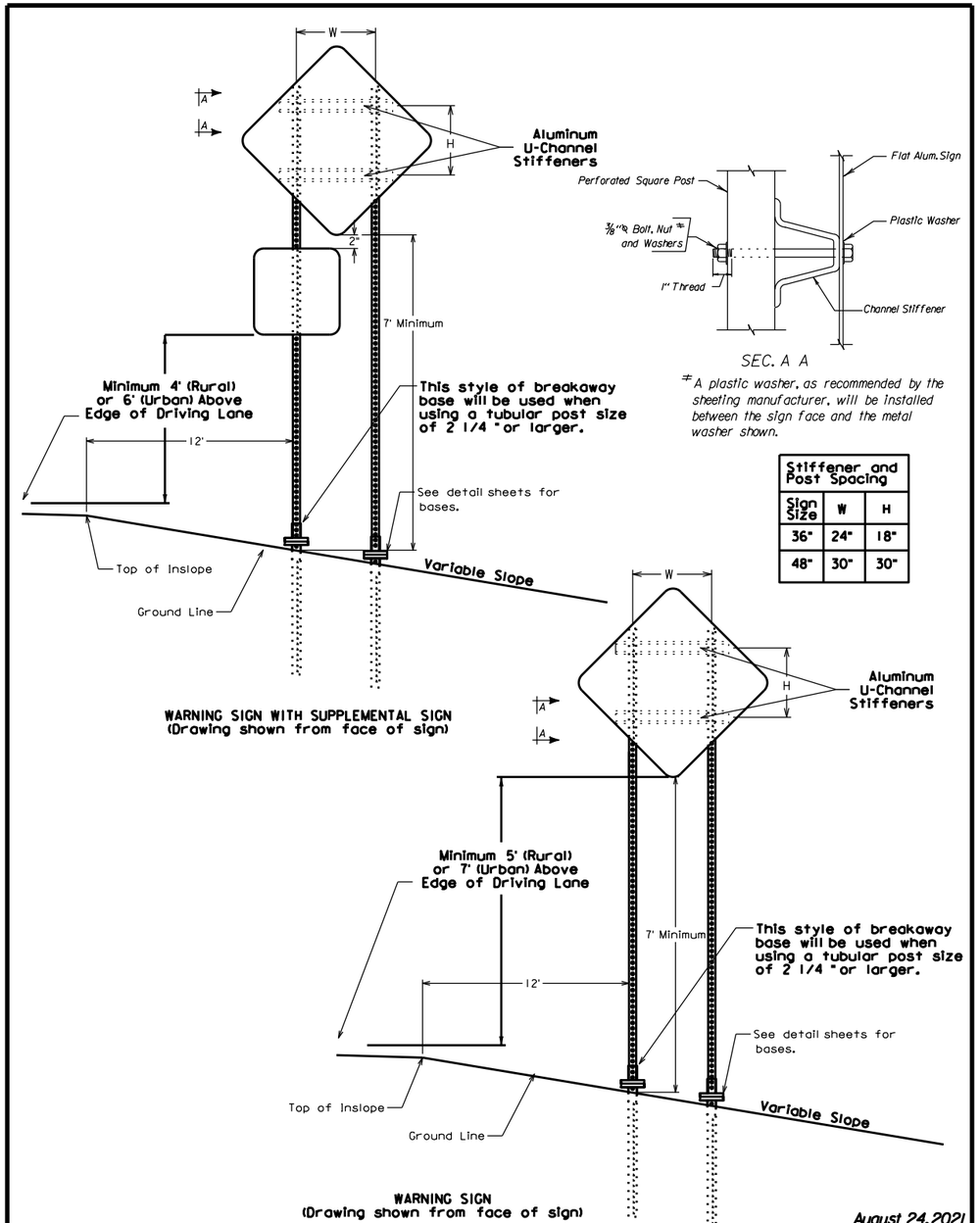
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17), BRO-B 8005(18), BRO-B 8030(24), BRO-B 8030(25), & BRO-B 8044(15)	19	80



SEC. A A

A plastic washer, as recommended by the sheeting manufacturer, will be installed between the sign face and the metal washer shown.

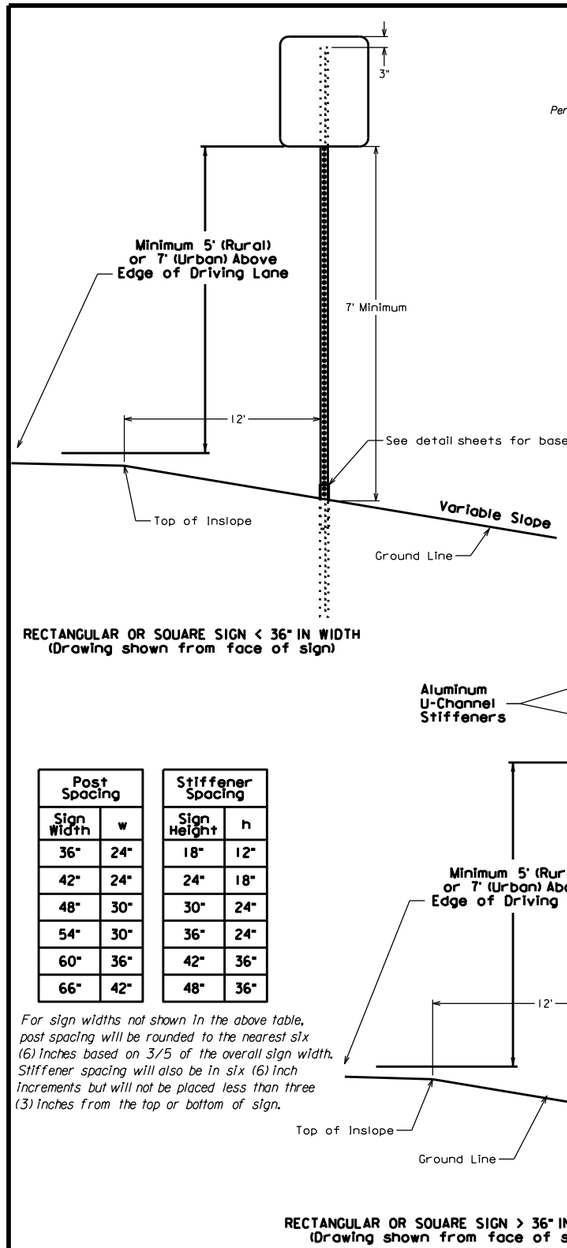
Stiffener and Post Spacing		
Sign Size	W	H
36"	24"	18"
48"	30"	30"

WARNING SIGN WITH SUPPLEMENTAL SIGN
(Drawing shown from face of sign)

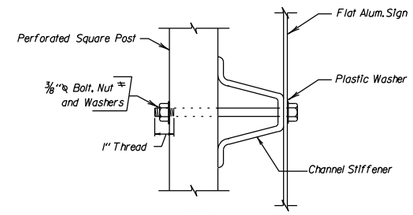
WARNING SIGN
(Drawing shown from face of sign)

August 24, 2021

SDDOT	36" AND 48" WARNING SIGNS (Typical Sign and Stiffener Detail)	SPECIAL DETAIL LO2
		Sheet 1 of 1

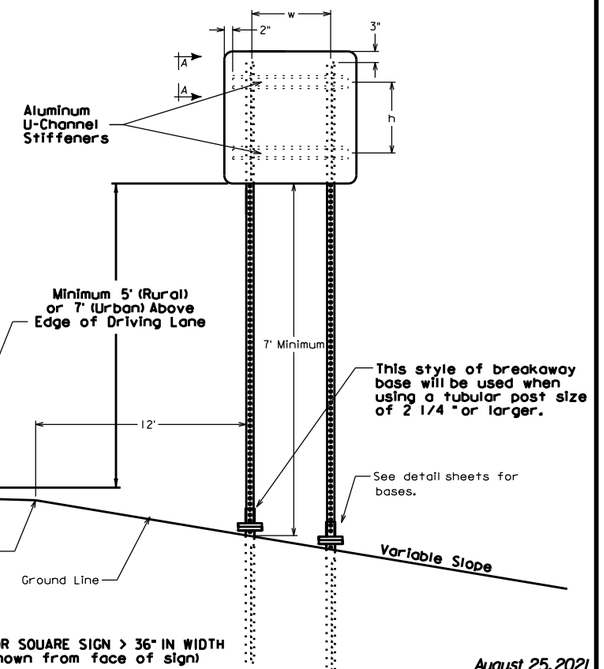


RECTANGULAR OR SQUARE SIGN < 36" IN WIDTH
(Drawing shown from face of sign)



SEC. A A

A plastic washer, as recommended by the sheeting manufacturer, will be installed between the sign face and the metal washer shown.



Post Spacing	
Sign Width	w
36"	24"
42"	24"
48"	30"
54"	30"
60"	36"
66"	42"

Stiffener Spacing	
Sign Height	h
18"	12"
24"	18"
30"	24"
36"	24"
42"	36"
48"	36"

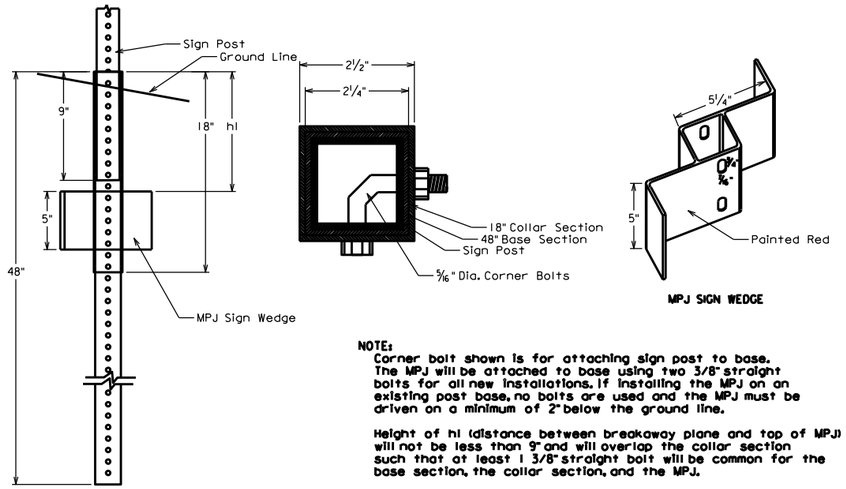
For sign widths not shown in the above table, post spacing will be rounded to the nearest six (6) inches based on 3/5 of the overall sign width. Stiffener spacing will also be in six (6) inch increments but will not be placed less than three (3) inches from the top or bottom of sign.

RECTANGULAR OR SQUARE SIGN > 36" IN WIDTH
(Drawing shown from face of sign)

August 25, 2021

SDDOT	SQUARE OR RECTANGULAR SIGNS (Typical Sign and Stiffener Details)	SPECIAL DETAIL LO3
		Sheet 1 of 1

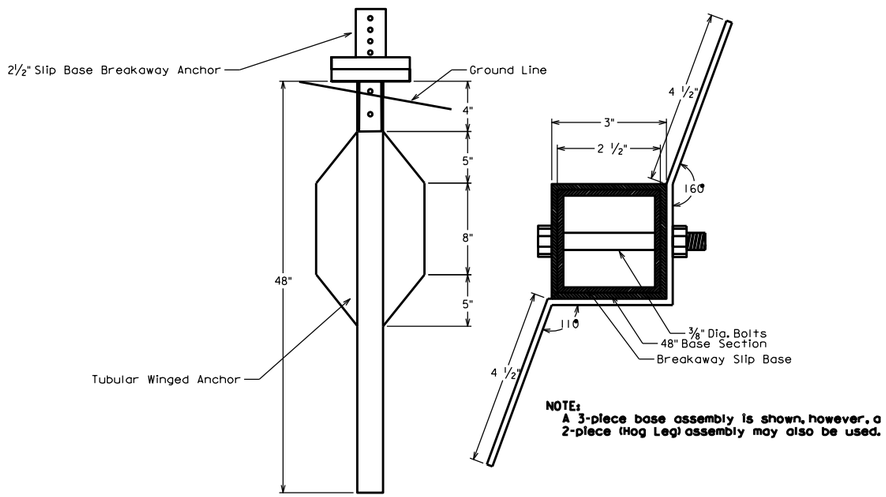
SIGN BASE DETAILS FOR A 2" SIGN POST



NOTE:
Corner bolt shown is for attaching sign post to base. The MPJ will be attached to base using two 3/8" straight bolts for all new installations. If installing the MPJ on an existing post base, no bolts are used and the MPJ must be driven on a minimum of 2" below the ground line.

Height of hl (distance between breakaway plane and top of MPJ) will not be less than 9" and will overlap the collar section such that at least 1 3/8" straight bolt will be common for the base section, the collar section, and the MPJ.

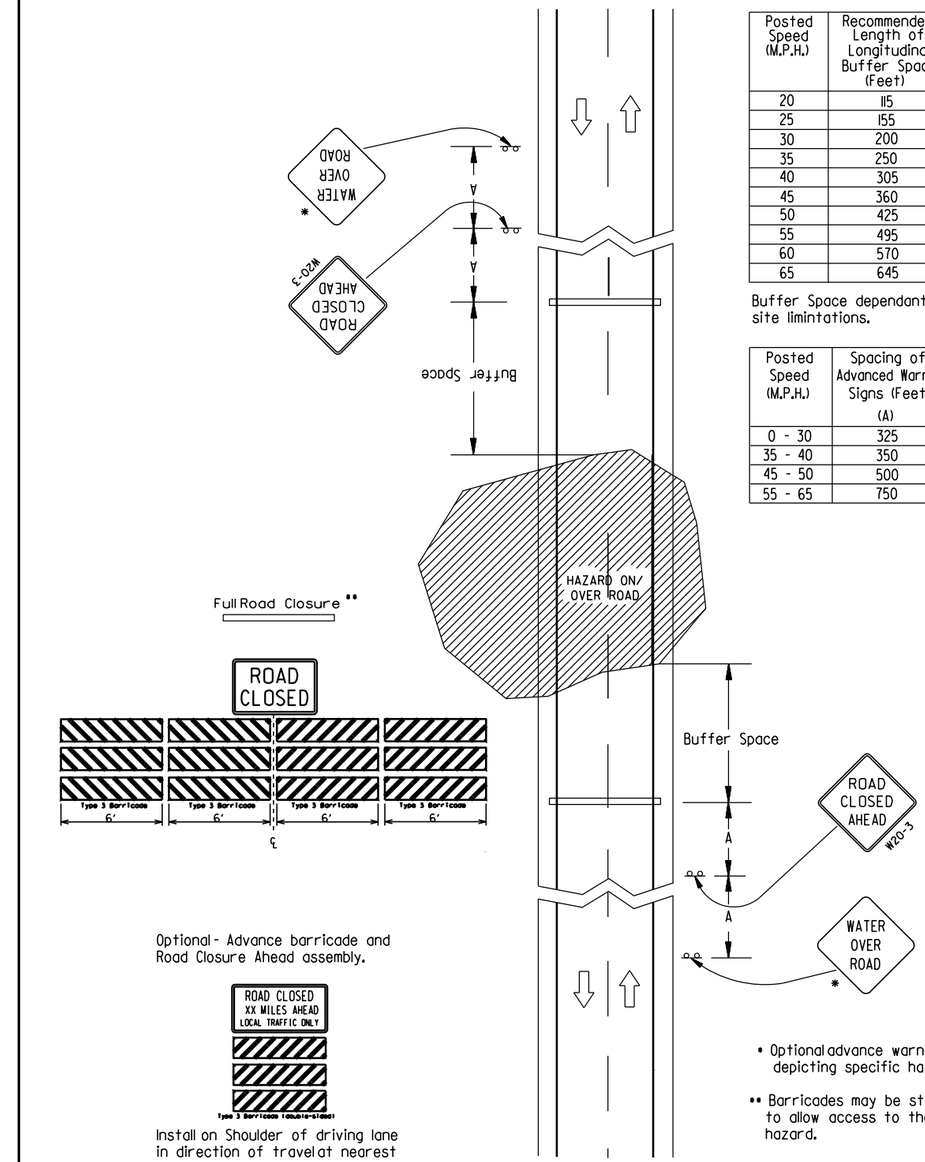
SIGN BASE DETAILS FOR A 2½" SIGN POST



NOTE:
A 3-piece base assembly is shown, however, a 2-piece (Hog Leg) assembly may also be used.

August 25, 2021

	SDDOT	TUBULAR POST BASE DETAILS (Typical Soil Installation)	SPECIAL DETAIL L21
			Sheet 1 of 1



Posted Speed (M.P.H.)	Recommended Length of Longitudinal Buffer Space (Feet)
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645

Buffer Space dependant on site limintations.

Posted Speed (M.P.H.)	Spacing of Advanced Warning Signs (Feet) (A)
0 - 30	325
35 - 40	350
45 - 50	500
55 - 65	750

Optional - Advance barricade and Road Closure Ahead assembly.

Install on Shoulder of driving lane in direction of travel at nearest intersecting road.

* Optional advance warning depicting specific hazard.

** Barricades may be staggered to allow access to the road hazard.

Install signs as applicable for each direction of travel.

June 13, 2017

	SDDOT	GUIDES FOR TRAFFIC CONTROL DEVICES ROAD CLOSED FOR HAZARD ON IMPROVED ROADWAY	SPECIAL DETAIL L70
			Sheet 1 of 1

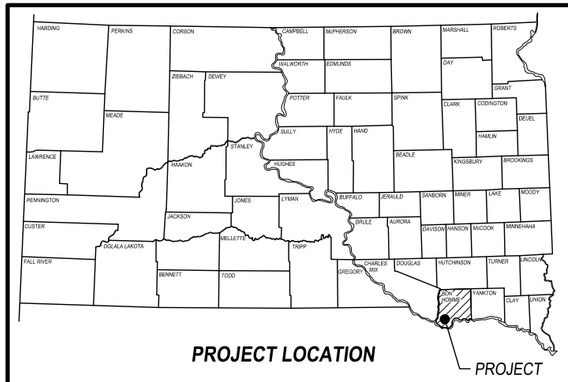
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17)	21	80

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

PROJECT BRO-B 8005(17)
BON HOMME COUNTY

STRUCTURE REMOVAL
STR. NO. 05-028-200
PCN 099U



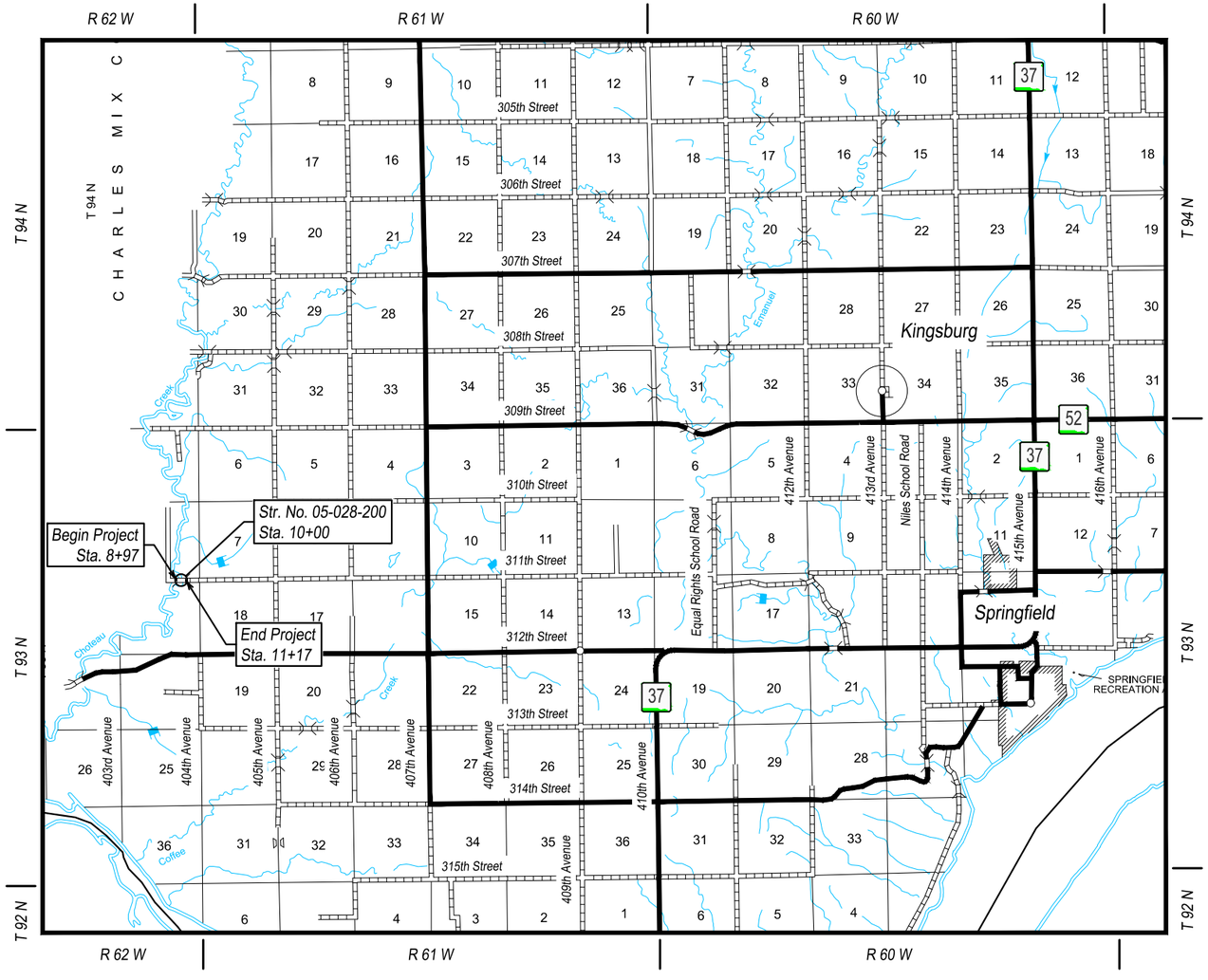
INDEX OF SHEETS

DESIGN DESIGNATION

ADT (2020)	50
ADT (2040)	75
DHV	11
d	50%
T DHV	3.6%
T ADT	8.0%

STORM WATER PERMIT

Major Stream:	Choteau Creek
Area Disturbed:	0.17 Acres
Project Area:	0.33 Acres
Latitude:	N 42.8801°
Longitude:	W -98.1138°



LOCATION MAP

COUNTY OFFICIALS

Highway Superintendent	Matt Hauck 1310 Birch Street Tyndall, SD 57066 Phone: (605) 589-4216
Commissioners	Russ Jelsma Mary Jo Bauder Duane Bachmann Jason Kokes Ed Van Gerpen

Know what's **below.**
Call before you dig.

IMEG

REGISTERED PROFESSIONAL ENGINEER
REG NO 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

Plotted on: 6/26/25 10:32:33 AM
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Plotted by: Justin M. Pump

STORMWATER POLLUTION PREVENTION PLAN CHECKLIST

*(The numbers left of the title headings are **reference numbers** to the GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES (Stormwater Permit))*

5.3 (2): STAFF TRAINING/SWPPP IMPLEMENTATION

To promote stormwater management awareness specific for this project, the Contractor's Erosion Control Supervisor should provide correspondence of how the SWPPP will be implemented. The Contractor's Erosion Control Supervisor is responsible for providing this information at the preconstruction meeting, and subsequently completing an attendance log, which should identify site-specific implementation of the SWPPP and the names of the personnel who attended the preconstruction meeting. Documentation of the preconstruction meeting will be filed with the SWPPP documents.

5.3 (3): DESCRIPTION OF CONSTRUCTION ACTIVITIES

- **5.3 (3a): Project Limits** (See Title Sheet)
- **5.3 (3a): Project Description** (See Title Sheet)
- **5.3 (4): Site Map(s)** (See Title Sheet and Plans)
- **Major Soil Disturbing Activities** (check all that apply)
  - ☒ Clearing and grubbing
  - ☒ Excavation/borrow
  - ☒ Grading and shaping
  - ☐ Filling
  - ☐ Other (describe):
- **5.3 (3b): Total Project Area:** 0.33 Acres
- **5.3 (3b): Total Area to be Disturbed:** 0.17 Acres
- **5.3 (3c): Maximum Area Disturbed at One Time:** 0.17 Acres
- **5.3 (3d): Existing Vegetative Cover (%):** 75
- **5.3 (3d): Description of Vegetative Cover:** Tree, Shrub, and Herbaceous Species
- **5.3 (3e): Soil Properties:** Unknown
- **5.3 (3f): Name of Receiving Water Body/Bodies:** Choteau Creek
- **5.3 (3g): Location of Construction Support Activity Areas:** N/A

5.3 (3h): ORDER OF CONSTRUCTION ACTIVITIES

The Contractor will enter the Estimated Start Date.

Description	Estimated Start Date
Install perimeter protection where runoff may exit site.	
Install perimeter protection around stockpiles.	
Install channel and ditch bottom protection.	
Clearing and grubbing.	
Remove and stockpile topsoil.	
Stabilize disturbed areas.	
Final grading.	
Removal of protection devices.	
Reseed areas disturbed by removal activities.	

5.3 (5): DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES

All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report. Include the technical reasoning for selecting each control. (check all that apply)

Perimeter Controls (See Detail Plan Sheets)

Description	Estimated Start Date
☒ Natural Buffers (within 50 ft of Waters of State)	
☐ Silt Fence	
☒ Erosion Control Wattles	
☐ Temporary Berm / Windrow	
☒ Floating Silt Curtain	
☐ Stabilized Construction Entrances	
☐ Entrance/Exit Equipment Tire Wash	
☐ Other:	

Structural Erosion and Sediment Controls

Description	Estimated Start Date
☐ Silt Fence	
☐ Temporary Berm/Windrow	
☐ Erosion Control Wattles	
☐ Temporary Sediment Barriers	
☐ Erosion Bales	
☐ Temporary Slope Drain	
☐ Turf Reinforcement Mat	
☐ Riprap	
☐ Gabions	
☐ Rock Check Dams	
☐ Sediment Traps/Basins	
☐ Culvert Inlet Protection	
☐ Transition Mats	
☐ Median/Area Drain Inlet Protection	
☐ Curb Inlet Protection	
☐ Interceptor Ditch	
☐ Concrete Washout Facility	
☐ Work Platform	
☐ Temporary Water Barrier	
☐ Temporary Water Crossing	
☐ Permanent Stormwater Ponds	
☐ Permanent Open Vegetated Swales	
☐ Natural Depressions to allow for Infiltration	
☐ Sequential Systems that combine several practices	
☐ Other:	

Dust Controls

Description	Estimated Start Date
☐ Tarps & Wind impervious fabrics	
☐ Watering	
☐ Stockpile location/orientation	
☐ Dust Control Chlorides	
☐ Other:	

Dewatering BMPs

Description	Estimated Start Date
☐ Sediment Basins	
☐ Dewatering bags	
☐ Weir tanks	
☐ Temporary Diversion Channel	
☐ Other:	

Stabilization Practices (See Detail Plan Sheets)

(Stabilization measures will begin the following workday whenever earth disturbing activity on any portion of the site has temporarily or permanently ceased. Temporary stabilization will be completed as soon as practicable but no later than 14 days after initiating soil stabilization activities (3.18))

Description	Estimated Start Date
☐ Vegetation Buffer Strips	
☐ Temporary Seeding (Cover Crop Seeding)	
☒ Permanent Seeding	
☐ Sodding	
☐ Planting (Woody Vegetation for Soil Stabilization)	
☐ Mulching (Grass Hay or Straw)	
☐ Fiber Mulching (Wood Fiber Mulch)	
☐ Soil Stabilizer	
☐ Bonded Fiber Matrix	
☒ Fiber Reinforced Matrix	
☐ Erosion Control Blankets	
☐ Surface Roughening (e.g. tracking)	
☐ Other:	

Wetland Avoidance

Will construction and/or erosion and sediment controls impinge on regulated wetlands? Yes ☒ No ☐ If yes, the structural and erosion and sediment controls have been included in the total project wetland impacts and have been included in the 404 permit process with the USACE.

5.3 (6): PROCEDURES FOR INSPECTIONS

- Inspections will be conducted at least once every 7 days.
- All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report.
- Silt fence will be inspected for depth of sediment and for tears to ensure the fabric is securely attached to the posts and that the posts are well anchored. Sediment buildup will be removed from the silt fence when it reaches 1/3 of the height of the silt fence.
- Sediment basins and traps will be checked. Sediment will be removed when depth reaches approximately 50 percent of the structure's capacity, and at the conclusion of the construction.
- Check dams will be inspected for stability. Sediment will be removed when depth reaches ½ the height of the dam.
- All seeded areas will be checked for bare spots, washouts, and vigorous growth free of significant weed infestations.
- Inspection and maintenance reports will be prepared on form DOT 298 for each site inspection, this form will also be used to document changes to the SWPPP. A copy of the completed inspection form will be filed with the SWPPP documents.
- The SDDOT Project Engineer and Contractor's Erosion Control Supervisor are responsible for inspections. Maintenance and repair activities are the responsibility of the Contractor. The SDDOT Project Engineer will complete the inspection and maintenance reports and distribute copies per the distribution instructions on DOT 298.

5.3 (7): POST CONSTRUCTION STORMWATER MANAGEMENT

Stormwater management will be handled by temporary controls outlined in "DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES" above, and any permanent controls needed to meet permanent stormwater management needs in the post construction period will be shown in the plans and noted as permanent.

5.3 (8): POLLUTION PREVENTION PROCEDURES

5.3 (8a): Spill Prevention and Response Procedures

➢ **Material Management**

- Housekeeping
  - Only needed products will be stored on-site by the Contractor.
  - Except for bulk materials, the Contractor will store all materials under cover and/or in appropriate containers.
  - Products must be stored in original containers and labeled.
  - Material mixing will be conducted in accordance with the Manufacturer's recommendations.
  - When possible, all products will be completely used before properly disposing of the container off-site.
  - The Manufacturer's directions for disposal of materials and containers will be followed.
  - The Contractor's site superintendent will inspect materials storage areas regularly to ensure proper use and disposal.
  - Dust generated will be controlled in an environmentally safe manner.

- Hazardous Materials
  - Products will be kept in original containers unless the container is not resealable and provide secondary containment as applicable.
  - Original labels and material safety data sheets will be retained in a safe place to relay important product information.
  - If surplus product must be disposed of, the Manufacturer's label directions for disposal will be followed.
  - Maintenance and repair of all equipment and vehicles involving oil changes, hydraulic system drain down, de-greasing operations, fuel tank drain down and removal, and other activities which may result in the accidental release of contaminants will be conducted on an impervious surface and under cover during wet weather to prevent the release of contaminants onto the ground.
  - Wheel wash water will be collected and allowed to settle out suspended solids prior to discharge. Wheel wash water will not be discharged directly into any stormwater system or stormwater treatment system.
  - Potential pH-modifying materials such as: bulk cement, cement kiln dust, fly ash, new concrete washings, concrete pumping, residuals from concrete saw cutting (either wet or dry), and mixer washout waters will be collected on site and managed to prevent contamination of stormwater runoff.

➢ **Spill Control Practices**

In addition to the previous housekeeping and management practices, the following practices will be followed for spill prevention and cleanup if needed.

- For all hazardous materials stored on site, the Manufacturer's recommended methods for spill cleanup will be clearly posted. Site personnel will be made aware of the procedures and the locations of the information and cleanup supplies.
- Appropriate cleanup materials and equipment will be maintained by the Contractor in the materials storage area on-site. As appropriate, equipment and materials may include items such as brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for cleanup purposes.
- All spills will be cleaned immediately after discovery and the materials disposed of properly.
- The spill area will be kept well-ventilated, and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- After a spill a report will be prepared describing the spill, what caused it, and the cleanup measures taken. The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring, as well as clean up instructions in the event of reoccurrences.
- The Contractor's site superintendent, responsible for day-to-day operations, will be the spill prevention and cleanup coordinator.

➢ **Spill Response**

The primary objective in responding to a spill is to quickly contain the material(s) and prevent or minimize migration into stormwater runoff and conveyance systems. If the release has impacted on-site stormwater, it is critical to contain the released materials on-site and prevent their release into receiving waters. If a spill of pollutants threatens stormwater or surface water at the site, the spill response procedures outlined below must be implemented in a timely manner to prevent the release of pollutants.

- The Contractor's site superintendent will be notified immediately when a spill or the threat of a spill is observed. The superintendent will assess the situation and determine the appropriate response.
- If spills represent an imminent threat of escaping erosion and sediment controls and entering receiving waters, personnel will be directed to respond immediately to contain the release and notify the superintendent after the situation has been stabilized.
- Spill kits containing appropriate materials and equipment for spill response and cleanup will be maintained by the Contractor at the site.
- If oil sheen is observed on surface water (e.g., settling ponds, detention ponds, swales), action will be taken immediately to remove the material causing the sheen. The Contractor will use appropriate materials to contain and absorb the spill. The source of the oil sheen will also be identified and removed or repaired as necessary to prevent further releases.
- If a spill occurs the superintendent or the superintendent's designee will be responsible for completing the spill reporting form and for reporting the spill to SDDANR.
- Personnel with primary responsibility for spill response and cleanup will receive training by the Contractor's site superintendent or designee. The training must include identifying the location of the spill kits and other spill response equipment and the use of spill response materials.
- Spill response equipment will be inspected and maintained as necessary to replace any materials used in spill response activities.

5.3 (8b): WASTE MANAGEMENT PROCEDURES

➢ **Waste Disposal**

- All liquid waste materials will be collected and stored in approved sealed containers. All trash and construction debris from the site will be deposited in the approved containers. Containers will be serviced as necessary, and the trash will be hauled to an approved disposal site or licensed landfill. All onsite personnel will be instructed in the proper procedures for waste disposal and notices stating proper practices will be posted. The Contractor is responsible for ensuring waste disposal procedures are followed.

➢ **Hazardous Waste**

- All hazardous waste materials will be disposed of in a manner specified by local or state regulations or by the Manufacturer. Site personnel will be instructed in these practices, and the Contractor will be responsible for seeing that these practices are followed.

➢ **Sanitary Waste**

- Portable sanitary facilities will be provided on all construction sites. Sanitary waste will be collected from the portable units which must be secured to prevent tipping and serviced in a timely manner by a licensed waste management Contractor or as required by any local regulations.

5.3 (9): CONSTRUCTION SITE POLLUTANTS

The following materials or substances are expected to be present on the site during the construction period. These materials will be handled as noted under the heading "POLLUTION PREVENTION PROCEDURES" (check all that apply).

- ☒ Concrete and Portland Cement
- ☐ Detergents
- ☒ Paints
- ☒ Metals
- ☐ Bituminous Materials
- ☒ Petroleum Based Products
- ☐ Diesel Exhaust Fluid
- ☐ Cleaning Solvents
- ☒ Wood
- ☐ Cure
- ☐ Texture
- ☐ Chemical Fertilizers
- ☐ Other:

Product Specific Practices

- **Petroleum Products**
  All on-site vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled.

- **Fertilizers**
  Fertilizers will be applied only in the amounts specified by the SDDOT. Once applied, fertilizers will be worked into the soil to limit the exposure to stormwater. Fertilizers will be stored in an enclosed area. The contents of partially used fertilizer bags will be transferred to sealable containers to avoid spills.

- **Paints**
  All containers will be tightly sealed and stored when not required for use. The excess will be disposed of according to the Manufacturer's instructions and any applicable state and local regulations.

- **Concrete Trucks**
  Contractors will provide designated truck washout facilities on the site. These areas must be self-contained and not connected to any stormwater outlet of the site. Upon completion of construction, the area at the washout facility will be properly stabilized.

5.3 (10): NON-STORMWATER DISCHARGES

The following non-stormwater discharges are anticipated during the course of this project (check all that apply).

- ☐ Discharges from water line flushing.
- ☐ Pavement wash-water, where no spills or leaks of toxic or hazardous materials have occurred.
- ☒ Uncontaminated ground water associated with dewatering activities.

5.3 (11): INFEASIBILITY DOCUMENTATION

If it is determined to be infeasible to comply with any of the requirements of the Stormwater Permit, the infeasibility determination must be thoroughly documented in the SWPPP.

7.0: SPILL NOTIFICATION

In the event of a spill, the Contractor's site superintendent will make the appropriate notification(s), consistent with the following procedures:

- A release or spill of a regulated substance (includes petroleum and petroleum products) must be reported to SDDANR immediately **if any one of the following** conditions exists:
  - The release or spill threatens or is able to threaten waters of the state (surface water or ground water)
  - The release or spill causes an immediate danger to human health or safety
  - The release or spill exceeds 25 gallons
  - The release or spill causes a sheen on surface water
  - The release or spill of any substance that exceeds the ground water quality standards of ARSD Chapter 74:54:01
  - The release or spill of any substance that exceeds the surface water quality standards of ARSD Chapter 74:51:01
  - The release or spill of any substance that harms or threatens to harm wildlife or aquatic life
  - The release or spill is required to be reported according to Superfund Amendments and Reauthorization Act (SARA) Title III List of Lists, Consolidated List of Chemicals Subject to Reporting Under the Emergency Planning and Community Right to Know Act, US Environmental Protection Agency.

- To report a release or spill, call SDDANR at (605) 773-3296 during regular office hours (8 a.m. to 5 p.m. Central Standard Time). To report the release after hours, on weekends or holidays, call South Dakota Emergency Management at (605) 773-3231. Reporting the release to SDDANR does not meet any obligation for reporting to other state, local, or federal agencies. Therefore, you must also contact local authorities to determine the local reporting requirements for releases. A written report of the unauthorized release of any regulated substance, including quantity discharged, and the location of the discharge will be sent to SDDANR within 14 days of the discharge.

5.4: SWPPP CERTIFICATIONS

➢ **Certification of Compliance with Federal, State, and Local Regulations**

The Storm Water Pollution Prevention Plan (SWPPP) for this project reflects the requirements of all local municipal jurisdictions for storm water management and sediment and erosion control as established by ordinance, as well as other state and federal requirements for sediment and erosion control plans, permits, notices or documentation as appropriate.

➢ **South Dakota Department of Transportation**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____

Authorized Signature (See the General Permit, Section 7.4 (1))

➢ **Prime Contractor**

This section is to be executed by the General Contractor after the award of the contract. This section may be executed any time there is a change in the Prime Contractor of the project.

I certify under penalty of law that this document and all attachments will be revised or maintained under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____

Authorized Signature

CONTACT INFORMATION

The following personnel are duly authorized representatives and have signatory authority for modifications made to the SWPPP:

➢ **Contractor Information**:

- Prime Contractor Name: _____
- Contractor Contact Name: _____
- Address: _____
- _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **Erosion Control Supervisor**

- Name: _____
- Address: _____
- _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **SDDOT Project Engineer**

- Name: _____
- Business Address: _____
- Job Office Location: _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **SDDANR Contact Spill Reporting**
- Business Hours Monday-Friday (605) 773-3296
- Nights and Weekends (605) 773-3231

➢ **SDDANR Contact for Hazardous Materials.**
- (605) 773-3153

➢ **National Response Center Hotline**
- (800) 424-8802.

➢ **SDDANR Stormwater Contact Information**
- SDDANR Stormwater (800) 737-8676
- Surface Water Quality Program (605) 773-3351

5.5: REQUIRED SWPPP MODIFICATIONS

➢ **5.5 (1): Conditions Requiring SWPPP Modification**

The SWPPP must be modified, including the site map(s), in response to any of the following conditions:

- When a new operator responsible for implementation of any part the SWPPP begins work on the site.
- When changes to the construction plans, sediment and erosion control measures, or any best management practices on site that are no longer accurately reflected in the SWPPP. This includes changes made in response to corrective actions triggered by inspections.
- To reflect areas on the site map where operational control has been transferred (including the date of the transfer) or has been covered under a new permit since initiating coverage under this general permit.
- If inspections by site staff, local officials, SDDANR, or U.S. EPA determine that SWPPP modifications are necessary for compliance with the Stormwater Permit.
- To reflect any revisions to applicable federal, state, or local requirements that affect the control measures implemented at the site.
- If approved by the Secretary, to reflect any changes in chemical water treatment systems or controls, including the use of a different water treatment chemical, age rates, different areas, or methods of application.

➢ **5.5 (2): Deadlines for SWPPP Modification**

Any required revisions to the SWPPP must be completed within 7 calendar days following any of the items listed above.

➢ **5.5 (3): Documentation of Modifications to the Plan**

All SWPPP modification records are required to be maintained showing the dates of when the modification occurred. The records must include the name of the person authorizing each change and a brief summary of all changes.

➢ **5.5 (4): Certification Requirements**

All modifications made to the SWPPP must be signed and certified as required in Section 7.4.

➢ **5.5 (5): Required Notice to Other Operators**

If there are multiple operators at the site, the Contractor's Erosion Control Supervisor must notify each operator that may be impacted by the change to the SWPPP within 24 hours.

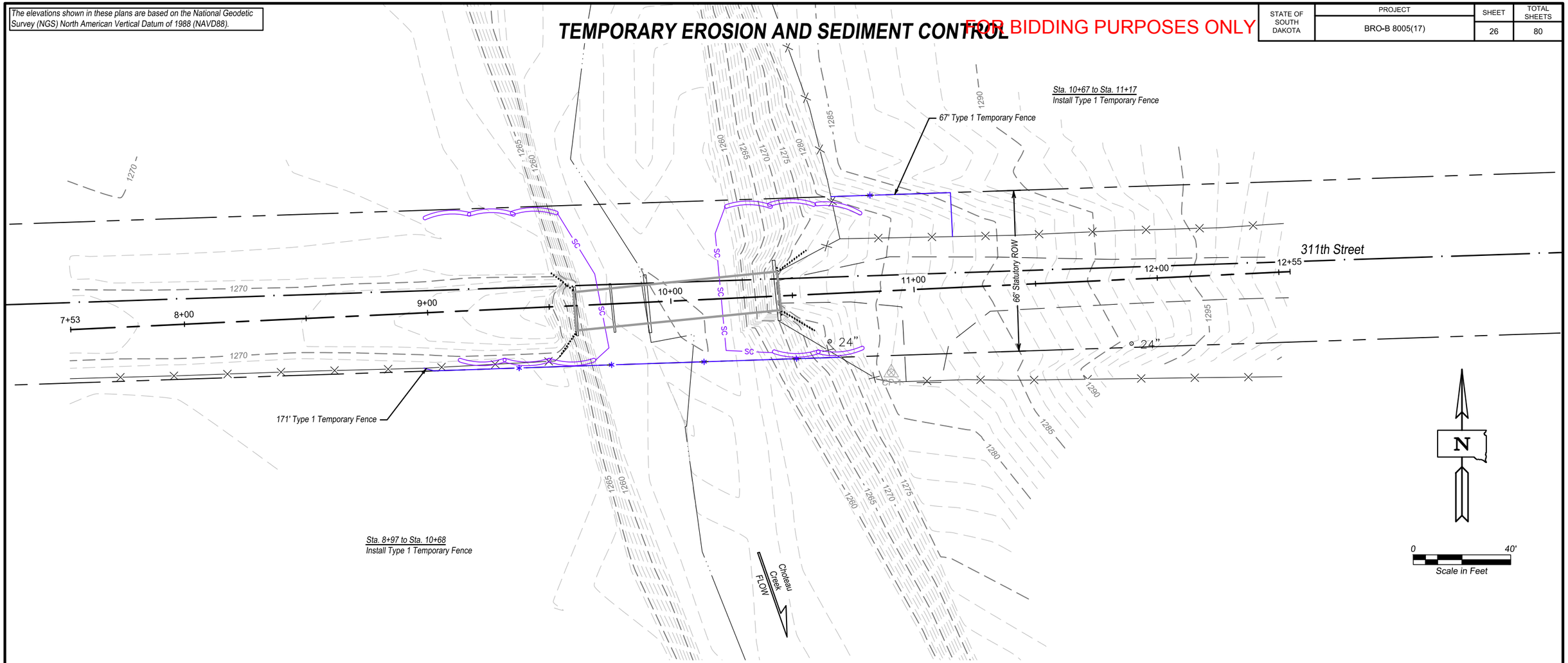
When modifications as described above occur, the SWPPP will be modified to provide appropriate protection to disturbed areas, all storm water structures, and adjacent waters. The SDDOT Project Engineer will modify the SWPPP using the DOT 298 form and drawings on the plan will be modified to reflect the needed changes. Copies of the DOT 298 forms and the SWPPP will be retained on site in a designated place for review throughout the course of the project. A copy of the DOT 298 form will be given to the Contractor Erosion Control Supervisor and a copy will be emailed to the SDDOT Environmental Section in accordance with the DOT 298 Form.

The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

TEMPORARY EROSION AND SEDIMENT CONTROL

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17)	26	80



NOTES:

1. Stockpiles will be 10' from edge of bank.
2. Contractor is responsible for temporary erosion control for stockpiles.
3. Minimize exposed soil.
4. Waters of the United States are regulated by the Corps of Engineers.

EROSION CONTROL LEGEND

Floating Silt Curtain	SC
Erosion Control Wattle	
Temporary Fence	

TEMPORARY EROSION CONTROL WATTLES

Sta. 9+10	41 Lt.	20'
Sta. 9+21	22' Rt.	20'
Sta. 9+28	41' Lt.	20'
Sta. 9+40	23' Rt.	20'
Sta. 9+46	40' Lt.	20'
Sta. 9+58	24' Rt.	20'
Sta. 10+34	39' Lt.	20'
Sta. 10+51	25' Rt.	20'
Sta. 10+52	39' Lt.	20'
Sta. 10+68	26' Rt.	20'
Sta. 10+71	40' Lt.	20'
Additional Quantity		20'
Total		240'

FLOATING SILT CURTAIN

Sta. 9+55 - 38' Lt.	to	Sta. 9+68 - 23' Rt.	68'
Sta. 10+24 - 38' Lt.	to	Sta. 10+41 - 23' Rt.	79'
Additional Quantity			20'
Total			167'

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

Plotted on: 6/26/25 10:32:44 AM Plotted by: Justin M. Pump
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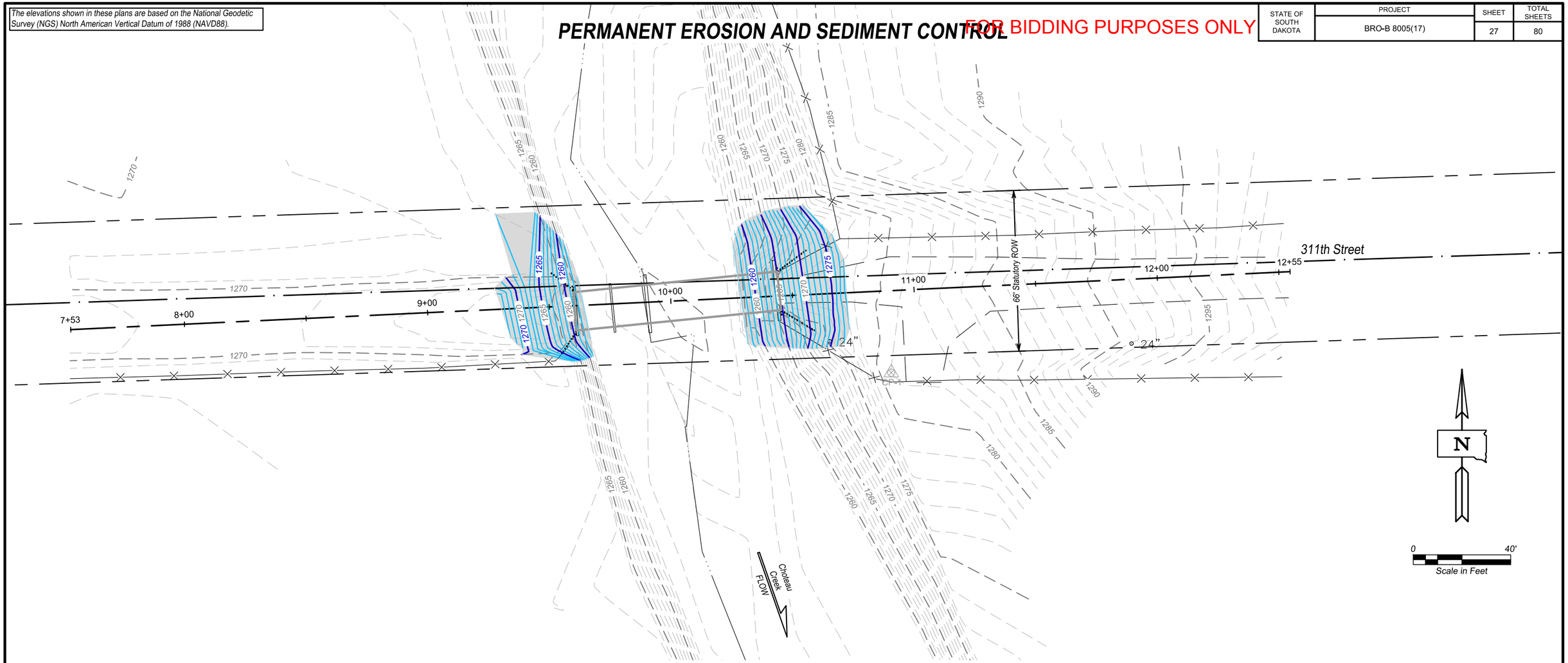
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

PERMANENT EROSION AND SEDIMENT CONTROL

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17)	27	80



NOTE:

1. Stabilization measures must begin within 24 hours of when earth disturbing activities have ceased.

EROSION CONTROL LEGEND	
Fiber Reinforced Matrix	

FIBER REINFORCED MATRIX			
Sta. 9+28	to	Sta. 9+68	120 Lb.
Sta. 10+26	to	Sta. 10+73	150 Lb.
		Additional Quantity	30 Lb.
		Total	300 Lb.

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SOUTH DAKOTA
6/27/25

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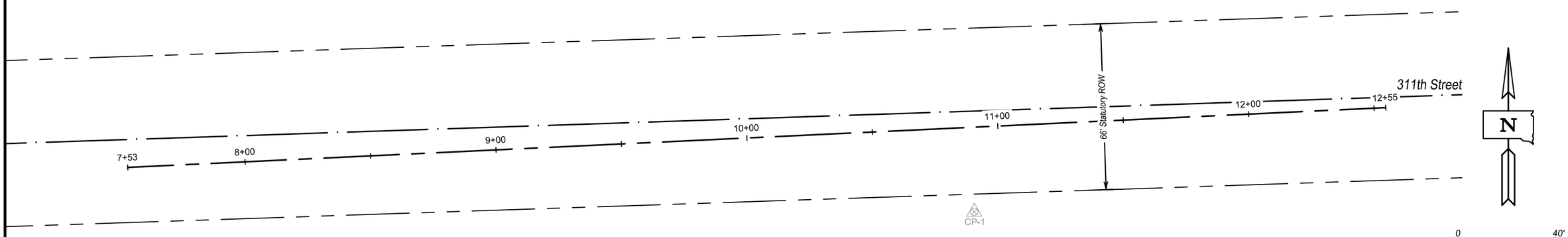
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

HORIZONTAL AND VERTICAL CONTROL DATA

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17)	28	80



NOTE: Coordinates shown on this sheet are based on the South Dakota State Plane Coordinate System, South Zone (NAD 83-2011)

HORIZONTAL/VERTICAL CONTROL POINTS

Point	Sta.	Offset	Northing (y)	Easting (x)	Elevation (z)	Description
CP 1	10+89.05	33.63' Rt.	207212.00	2563460.05	1281.05	5/8" Rebar
CP 2	-	-	207337.94	2566019.93	1442.97	5/8" Rebar

HORIZONTAL ALIGNMENT DATA

Type	Sta.	Length	Direction	Northing (y)	Easting (x)
PI 1	7+53.22			207229.66	2563123.00
		501.41'	N87°16'51.13"E		
PI 2	12+54.63			207253.45	2563623.84

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ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

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Plotted by: Justin M. Pump

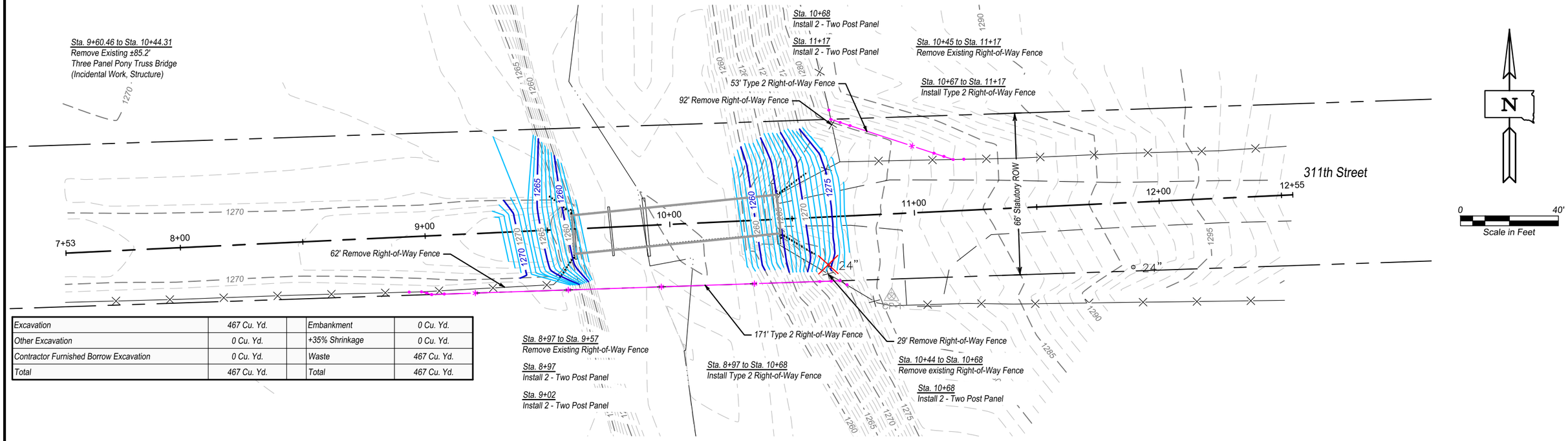
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

PLAN AND PROFILE

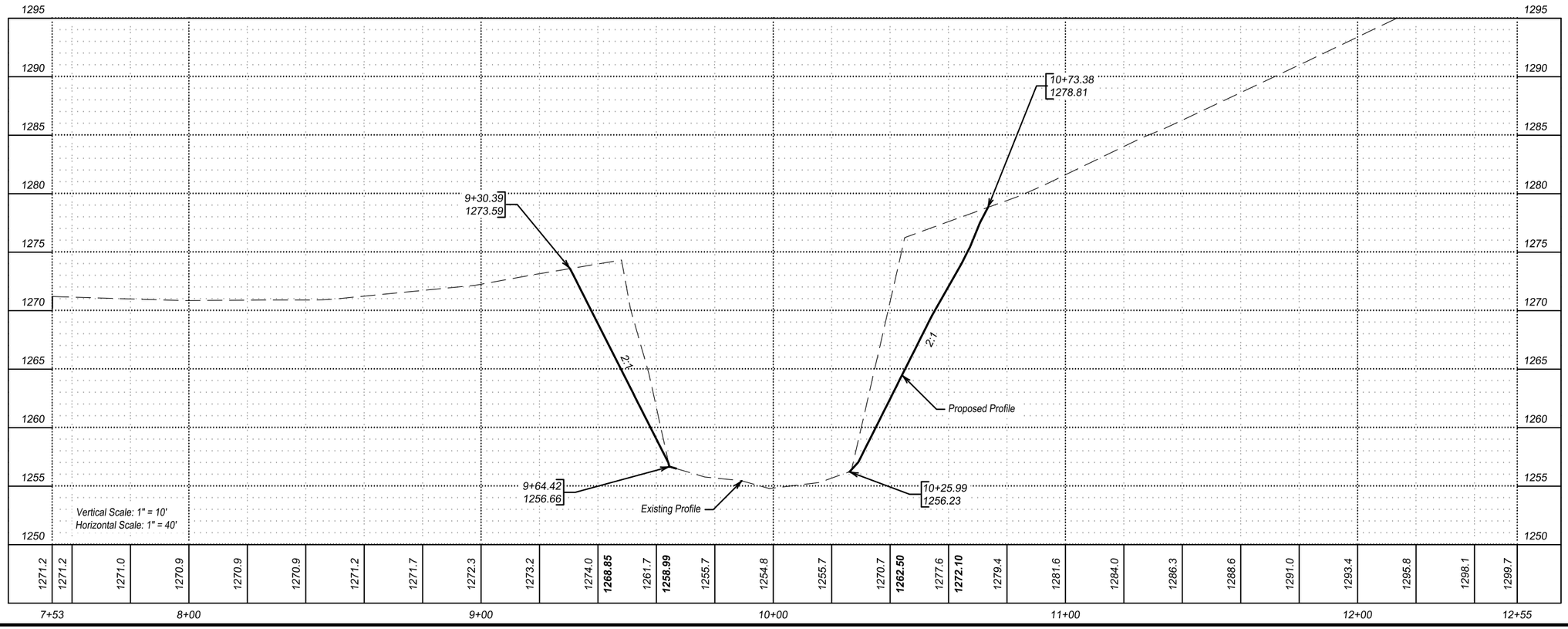
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17)	29	80

Revised: 07/11/2025 (JMP)



Excavation	467 Cu. Yd.		Embankment	0 Cu. Yd.
Other Excavation	0 Cu. Yd.		+35% Shrinkage	0 Cu. Yd.
Contractor Furnished Borrow Excavation	0 Cu. Yd.		Waste	467 Cu. Yd.
Total	467 Cu. Yd.		Total	467 Cu. Yd.



REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
7/24/25

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Plotted by: Justin M. Pump

The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

ROW LAYOUT

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17)	30	80

Yankton Sioux Tribe of Indians of South Dakota

Lot 4 of Section 12, Township 93 North, Range 62 West of the 5th P.M., Charles Mix County, South Dakota

Charles Mix County
Bon Homme County

Yankton Sioux Tribe of Indians of South Dakota

Lot 4 of Section 12, Township 93 North, Range 62 West of the 5th P.M., Bon Homme County, South Dakota

N

0 40'

Scale in Feet

311th Street

7+53 8+00 9+00 10+00 11+00 12+00 12+55

66' Statutory ROW

Suzette Sullivan-Gretschmann
PO Box 106, Avon, South Dakota 57315

Lot B of Government Lot 10, Section 13, Township 93 North Range 62, West of the 5th P.M., Bon Homme County, South Dakota

Choteau Creek FLOW

Roger & Tracy Baumfalk Revocable Trust
40429 311th St, Avon, South Dakota 57315

Goverment Lots One (1) and Two (2) of the Northeast Fractional Quarter (NEFr1/4), Section 13, Township 93 North Range 62, West of the 5th P.M., Bon Homme County, South Dakota

Sta. 8+97 to Sta. 11+17
Work limits are within ROW

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
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SOUTH DAKOTA
6/27/25

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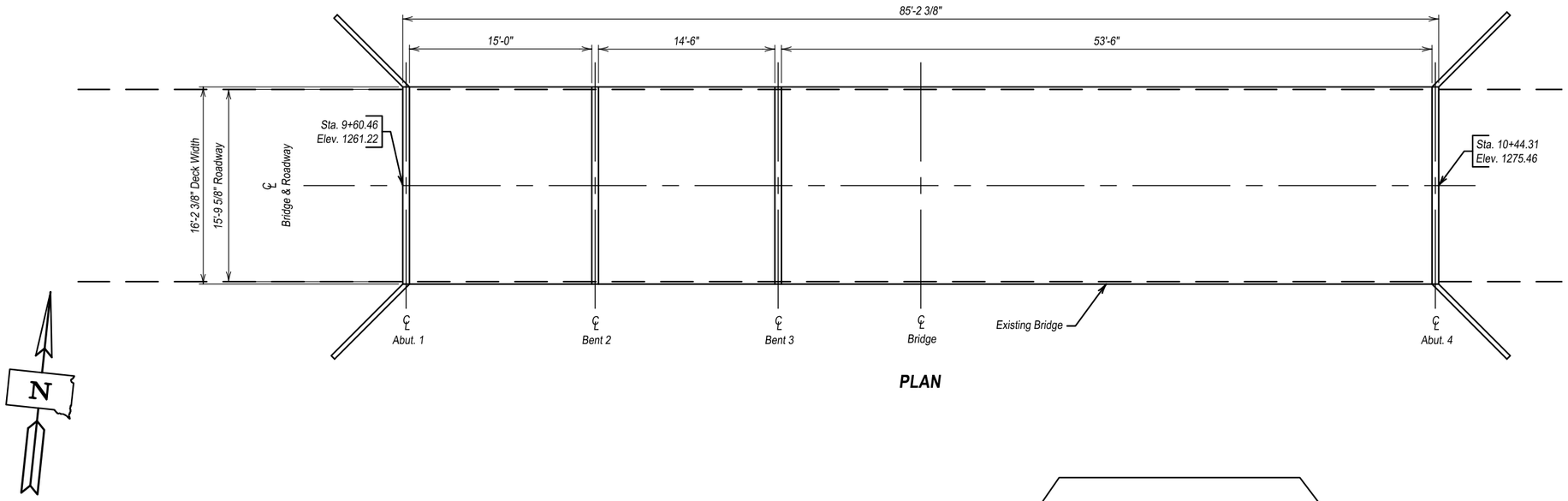
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17)	31	80



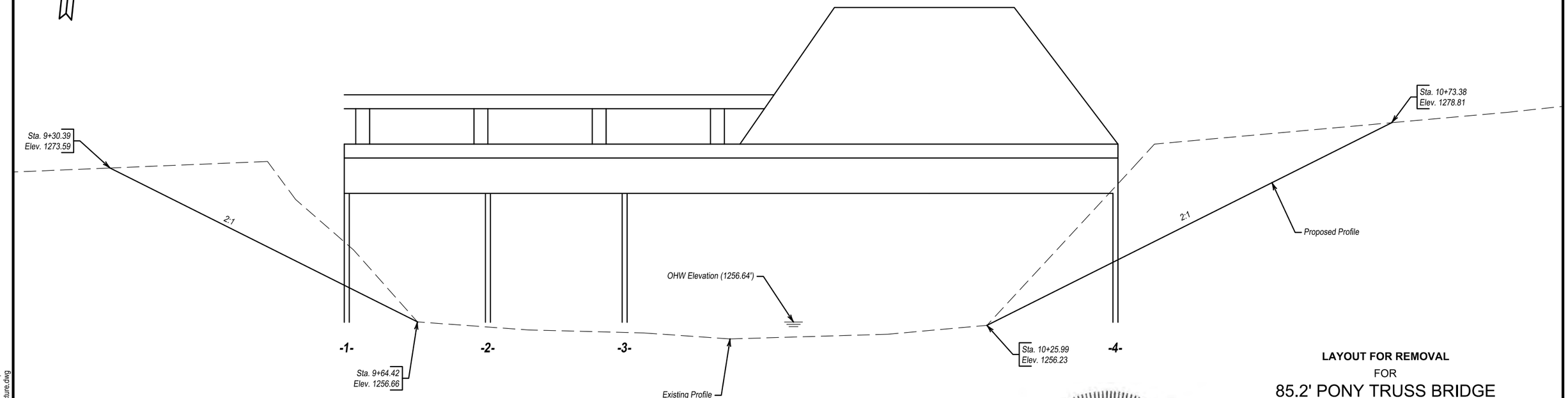
PLAN

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Incidental Work, Structure	LS	Lump Sum

INCIDENTAL WORK, STRUCTURE

1. In place is a 85.2' long, three span bridge with a 15'-10" clear roadway. The east span consists of a 53'-6" pony truss. The two west spans consist of timber girders. The deck for all three spans consist of timber planks. The abutments consist of timber planks with timber piles and steel piles with a steel cap.
2. Break down and remove the existing bridge. All portions of the existing bridge will be removed and disposed of by the Contractor on a site obtained by the Contractor and approved by the Engineer in accordance with the Environmental Commitments found elsewhere in these plans.
3. The existing abutments and bents will be removed 1' below the bottom of the existing channel.
4. During demolition of the structure, efforts will be taken to prevent material from falling into the creek.
5. The foregoing is a general description of the in-place bridge and should not be construed to be complete in all details. Before preparing the bid, it will be the responsibility of the Contractor to make a visual inspection of the structure to verify the extents of the work and materials involved.
6. Costs associated with the foregoing work will be incidental to the contract lump sum price for "Incidental Work, Structure".



ELEVATION

LAYOUT FOR REMOVAL

FOR

85.2' PONY TRUSS BRIDGE

311TH STREET
OVER CHOTEAU CREEK
STA. 10+00.00
STR. NO. 05-028-200
PCN 099U

0° SKEW
SEC. 12/13-T93N-R62W
BRO-B 8005(17)

BON HOMME COUNTY
S.D. DEPT. OF TRANSPORTATION
JUNE 2025

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

1 OF 1

PLANS BY: IMEG

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED
ARP	RCW	JMP	BRIDGE ENGINEER

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PERMANENT SIGNING

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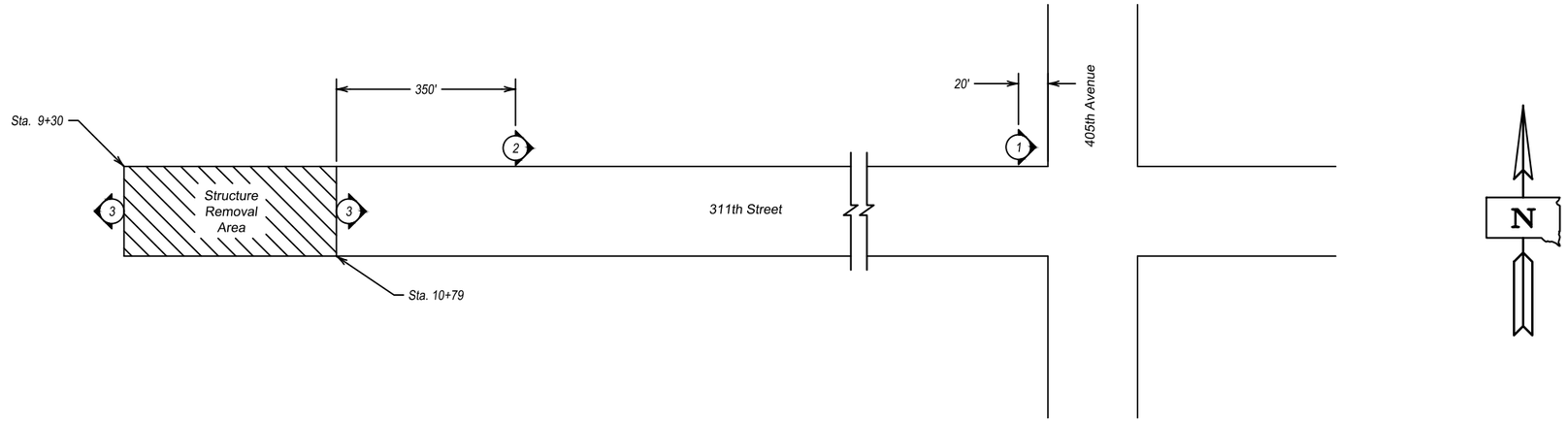
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(17)	32	80



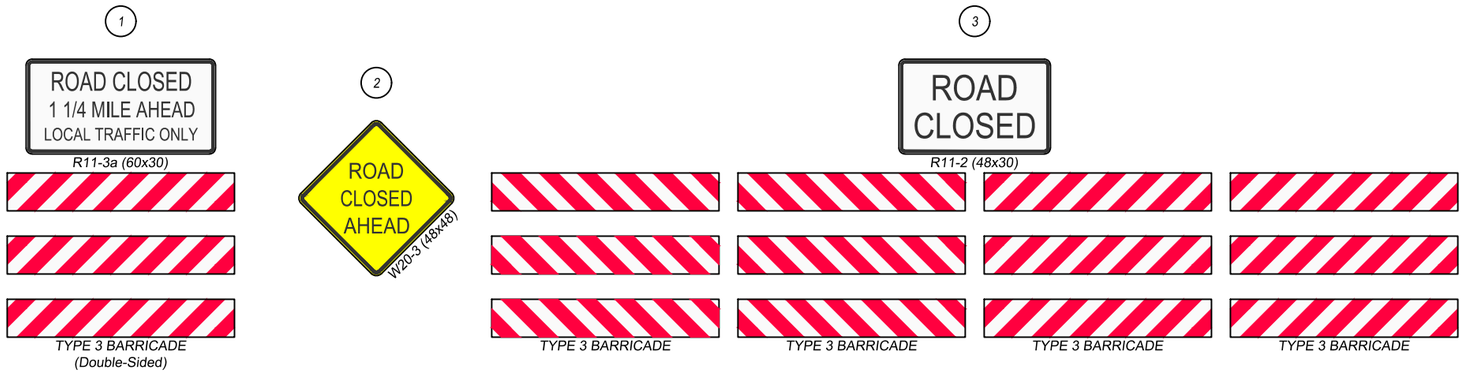


TABLE OF PERMANENT SIGNS

SIGN CODE	SIGN DESCRIPTION	CONVENTIONAL ROAD NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R11-2	ROAD CLOSED	2	48" x 30"	10.0	20.0
R11-3a	ROAD CLOSED 1 1/4 MILES AHEAD LOCAL TRAFFIC ONLY	1	60" x 30"	12.5	12.5
W20-3	ROAD CLOSED AHEAD	1	48" x 48"	16.0	16.0
		CONVENTIONAL ROAD PERMANENT SIGNS SQFT			48.5

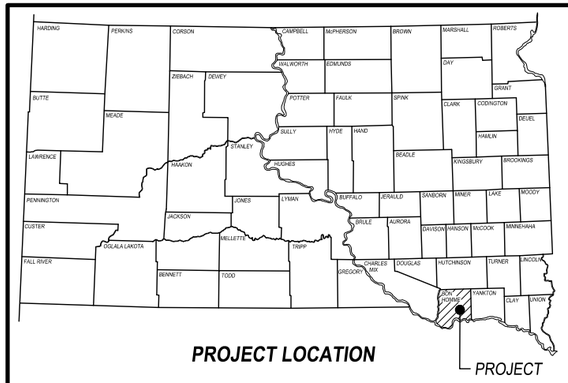
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(18)	33	80

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

PROJECT BRO-B 8005(18)
BON HOMME COUNTY

STRUCTURE REMOVAL
05-138-080
PCN 099V



PROJECT LOCATION

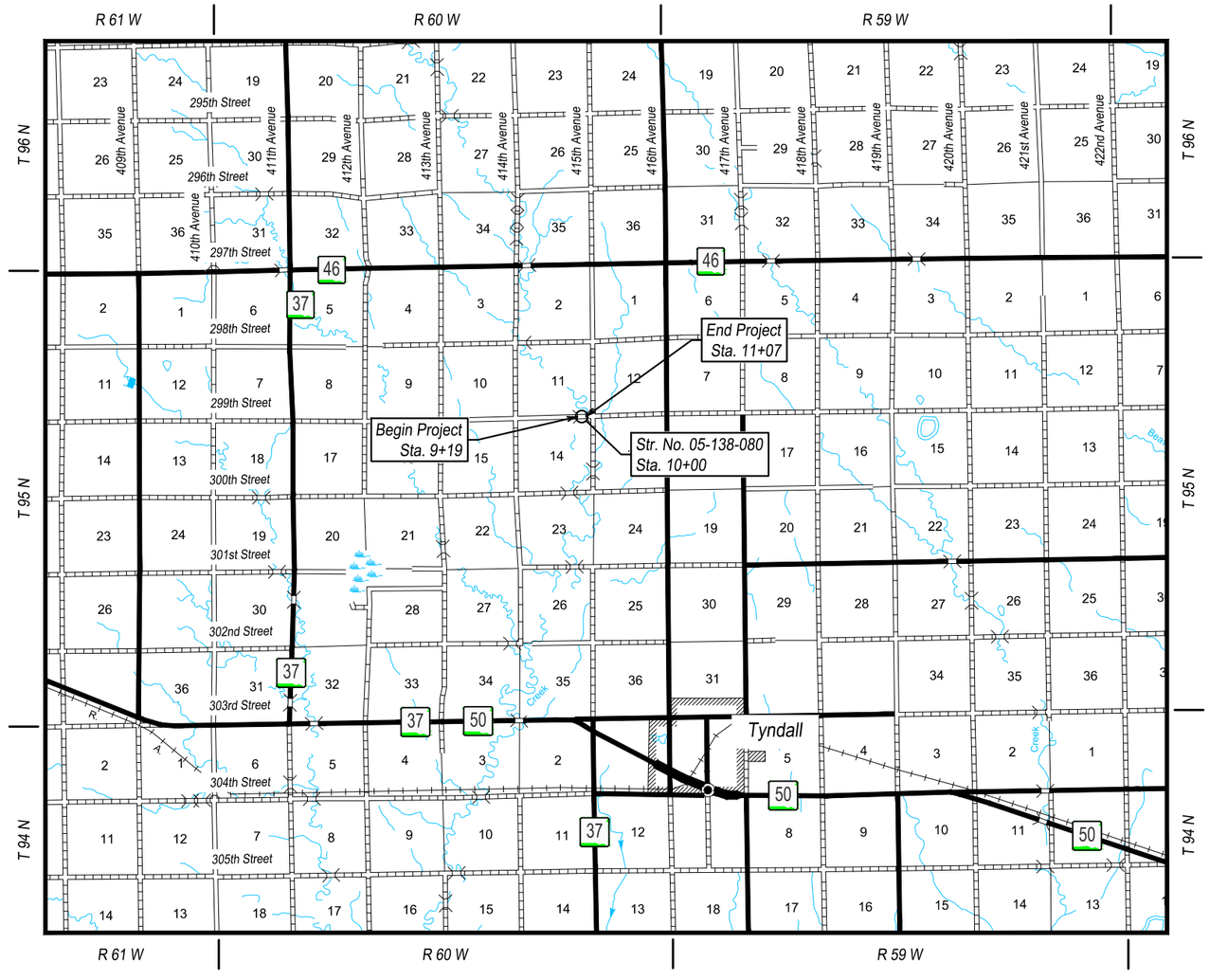
INDEX OF SHEETS

DESIGN DESIGNATION

ADT (2020)	20
ADT (2040)	30
DHV	5
d	50%
T DHV	3.6%
T ADT	8.0%

STORM WATER PERMIT

Major Stream:	Emanuel Creek
Area Disturbed:	0.23 Acres
Project Area:	0.58 Acres
Latitude:	N 43.0536°
Longitude:	W -97.8945°



LOCATION MAP

COUNTY OFFICIALS

Highway Superintendent	Matt Hauck 1310 Birch Street Tyndall, SD 57066 Phone: (605) 589-4216
Commissioners	Russ Jelsma Mary Jo Bauder Duane Bachmann Jason Kokes Ed Van Gerpen

Know what's **below.**
Call before you dig.

IMEG

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

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Plotted by: Justin M. Pump

STORMWATER POLLUTION PREVENTION PLAN CHECKLIST

*(The numbers left of the title headings are **reference numbers** to the GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES (Stormwater Permit))*

5.3 (2): STAFF TRAINING/SWPPP IMPLEMENTATION

To promote stormwater management awareness specific for this project, the Contractor's Erosion Control Supervisor should provide correspondence of how the SWPPP will be implemented. The Contractor's Erosion Control Supervisor is responsible for providing this information at the preconstruction meeting, and subsequently completing an attendance log, which should identify site-specific implementation of the SWPPP and the names of the personnel who attended the preconstruction meeting. Documentation of the preconstruction meeting will be filed with the SWPPP documents.

5.3 (3): DESCRIPTION OF CONSTRUCTION ACTIVITIES

- **5.3 (3a): Project Limits** (See Title Sheet)
- **5.3 (3a): Project Description** (See Title Sheet)
- **5.3 (4): Site Map(s)** (See Title Sheet and Plans)
- **Major Soil Disturbing Activities** (check all that apply)
  - ☒ Clearing and grubbing
  - ☒ Excavation/borrow
  - ☒ Grading and shaping
  - ☐ Filling
  - ☐ Other (describe):
- **5.3 (3b): Total Project Area:** 0.58 Acres
- **5.3 (3b): Total Area to be Disturbed:** 0.23 Acres
- **5.3 (3c): Maximum Area Disturbed at One Time:** 0.23 Acres
- **5.3 (3d): Existing Vegetative Cover (%):** 75
- **5.3 (3d): Description of Vegetative Cover:** Tree, Shrub, and Herbaceous Species
- **5.3 (3e): Soil Properties:** Unknown
- **5.3 (3f): Name of Receiving Water Body/Bodies:** Emanuel Creek
- **5.3 (3g): Location of Construction Support Activity Areas:** N/A

5.3 (3h): ORDER OF CONSTRUCTION ACTIVITIES

The Contractor will enter the Estimated Start Date.

Description	Estimated Start Date
Install perimeter protection around stockpiles.	
Install channel and ditch bottom protection.	
Clearing and grubbing.	
Remove and stockpile topsoil.	
Stabilize disturbed areas.	
Final grading.	
Removal of protection devices.	
Reseed areas disturbed by removal activities.	

5.3 (5): DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES

All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report. Include the technical reasoning for selecting each control. (check all that apply)

Perimeter Controls (See Detail Plan Sheets)

Description	Estimated Start Date
☒ Natural Buffers (within 50 ft of Waters of State)	
☐ Silt Fence	
☒ Erosion Control Wattles	
☐ Temporary Berm / Windrow	
☒ Floating Silt Curtain	
☐ Stabilized Construction Entrances	
☐ Entrance/Exit Equipment Tire Wash	
☐ Other:	

Structural Erosion and Sediment Controls

Description	Estimated Start Date
☐ Silt Fence	
☐ Temporary Berm/Windrow	
☐ Erosion Control Wattles	
☐ Temporary Sediment Barriers	
☐ Erosion Bales	
☐ Temporary Slope Drain	
☐ Turf Reinforcement Mat	
☐ Riprap	
☐ Gabions	
☐ Rock Check Dams	
☐ Sediment Traps/Basins	
☐ Culvert Inlet Protection	
☐ Transition Mats	
☐ Median/Area Drain Inlet Protection	
☐ Curb Inlet Protection	
☐ Interceptor Ditch	
☐ Concrete Washout Facility	
☐ Work Platform	
☐ Temporary Water Barrier	
☐ Temporary Water Crossing	
☐ Permanent Stormwater Ponds	
☐ Permanent Open Vegetated Swales	
☐ Natural Depressions to allow for Infiltration	
☐ Sequential Systems that combine several practices	
☐ Other:	

Dust Controls

Description	Estimated Start Date
☐ Tarps & Wind impervious fabrics	
☐ Watering	
☐ Stockpile location/orientation	
☐ Dust Control Chlorides	
☐ Other:	

Dewatering BMPs

Description	Estimated Start Date
☐ Sediment Basins	
☐ Dewatering bags	
☐ Weir tanks	
☐ Temporary Diversion Channel	
☐ Other:	

Stabilization Practices (See Detail Plan Sheets)

(Stabilization measures will begin the following workday whenever earth disturbing activity on any portion of the site has temporarily or permanently ceased. Temporary stabilization will be completed as soon as practicable but no later than 14 days after initiating soil stabilization activities (3.18))

Description	Estimated Start Date
☐ Vegetation Buffer Strips	
☐ Temporary Seeding (Cover Crop Seeding)	
☒ Permanent Seeding	
☐ Sodding	
☐ Planting (Woody Vegetation for Soil Stabilization)	
☐ Mulching (Grass Hay or Straw)	
☐ Fiber Mulching (Wood Fiber Mulch)	
☐ Soil Stabilizer	
☐ Bonded Fiber Matrix	
☒ Fiber Reinforced Matrix	
☐ Erosion Control Blankets	
☐ Surface Roughening (e.g. tracking)	
☐ Other:	

Wetland Avoidance

Will construction and/or erosion and sediment controls impinge on regulated wetlands? Yes ☒ No ☐ If yes, the structural and erosion and sediment controls have been included in the total project wetland impacts and have been included in the 404 permit process with the USACE.

5.3 (6): PROCEDURES FOR INSPECTIONS

- Inspections will be conducted at least once every 7 days.
- All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report.
- Silt fence will be inspected for depth of sediment and for tears to ensure the fabric is securely attached to the posts and that the posts are well anchored. Sediment buildup will be removed from the silt fence when it reaches 1/3 of the height of the silt fence.
- Sediment basins and traps will be checked. Sediment will be removed when depth reaches approximately 50 percent of the structure's capacity, and at the conclusion of the construction.
- Check dams will be inspected for stability. Sediment will be removed when depth reaches ½ the height of the dam.
- All seeded areas will be checked for bare spots, washouts, and vigorous growth free of significant weed infestations.
- Inspection and maintenance reports will be prepared on form DOT 298 for each site inspection, this form will also be used to document changes to the SWPPP. A copy of the completed inspection form will be filed with the SWPPP documents.
- The SDDOT Project Engineer and Contractor's Erosion Control Supervisor are responsible for inspections. Maintenance and repair activities are the responsibility of the Contractor. The SDDOT Project Engineer will complete the inspection and maintenance reports and distribute copies per the distribution instructions on DOT 298.

5.3 (7): POST CONSTRUCTION STORMWATER MANAGEMENT

Stormwater management will be handled by temporary controls outlined in "DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES" above, and any permanent controls needed to meet permanent stormwater management needs in the post construction period will be shown in the plans and noted as permanent.

5.3 (8): POLLUTION PREVENTION PROCEDURES

5.3 (8a): Spill Prevention and Response Procedures

➢ **Material Management**

- Housekeeping
  - Only needed products will be stored on-site by the Contractor.
  - Except for bulk materials, the Contractor will store all materials under cover and/or in appropriate containers.
  - Products must be stored in original containers and labeled.
  - Material mixing will be conducted in accordance with the Manufacturer's recommendations.
  - When possible, all products will be completely used before properly disposing of the container off-site.
  - The Manufacturer's directions for disposal of materials and containers will be followed.
  - The Contractor's site superintendent will inspect materials storage areas regularly to ensure proper use and disposal.
  - Dust generated will be controlled in an environmentally safe manner.

- Hazardous Materials
  - Products will be kept in original containers unless the container is not resealable and provide secondary containment as applicable.
  - Original labels and material safety data sheets will be retained in a safe place to relay important product information.
  - If surplus product must be disposed of, the Manufacturer's label directions for disposal will be followed.
  - Maintenance and repair of all equipment and vehicles involving oil changes, hydraulic system drain down, de-greasing operations, fuel tank drain down and removal, and other activities which may result in the accidental release of contaminants will be conducted on an impervious surface and under cover during wet weather to prevent the release of contaminants onto the ground.
  - Wheel wash water will be collected and allowed to settle out suspended solids prior to discharge. Wheel wash water will not be discharged directly into any stormwater system or stormwater treatment system.
  - Potential pH-modifying materials such as: bulk cement, cement kiln dust, fly ash, new concrete washings, concrete pumping, residuals from concrete saw cutting (either wet or dry), and mixer washout waters will be collected on site and managed to prevent contamination of stormwater runoff.

➢ **Spill Control Practices**

In addition to the previous housekeeping and management practices, the following practices will be followed for spill prevention and cleanup if needed.

- For all hazardous materials stored on site, the Manufacturer's recommended methods for spill cleanup will be clearly posted. Site personnel will be made aware of the procedures and the locations of the information and cleanup supplies.
- Appropriate cleanup materials and equipment will be maintained by the Contractor in the materials storage area on-site. As appropriate, equipment and materials may include items such as brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for cleanup purposes.
- All spills will be cleaned immediately after discovery and the materials disposed of properly.
- The spill area will be kept well-ventilated, and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- After a spill a report will be prepared describing the spill, what caused it, and the cleanup measures taken. The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring, as well as clean up instructions in the event of reoccurrences.
- The Contractor's site superintendent, responsible for day-to-day operations, will be the spill prevention and cleanup coordinator.

➢ **Spill Response**

The primary objective in responding to a spill is to quickly contain the material(s) and prevent or minimize migration into stormwater runoff and conveyance systems. If the release has impacted on-site stormwater, it is critical to contain the released materials on-site and prevent their release into receiving waters. If a spill of pollutants threatens stormwater or surface water at the site, the spill response procedures outlined below must be implemented in a timely manner to prevent the release of pollutants.

- The Contractor's site superintendent will be notified immediately when a spill or the threat of a spill is observed. The superintendent will assess the situation and determine the appropriate response.
- If spills represent an imminent threat of escaping erosion and sediment controls and entering receiving waters, personnel will be directed to respond immediately to contain the release and notify the superintendent after the situation has been stabilized.
- Spill kits containing appropriate materials and equipment for spill response and cleanup will be maintained by the Contractor at the site.
- If oil sheen is observed on surface water (e.g., settling ponds, detention ponds, swales), action will be taken immediately to remove the material causing the sheen. The Contractor will use appropriate materials to contain and absorb the spill. The source of the oil sheen will also be identified and removed or repaired as necessary to prevent further releases.
- If a spill occurs the superintendent or the superintendent's designee will be responsible for completing the spill reporting form and for reporting the spill to SDDANR.
- Personnel with primary responsibility for spill response and cleanup will receive training by the Contractor's site superintendent or designee. The training must include identifying the location of the spill kits and other spill response equipment and the use of spill response materials.
- Spill response equipment will be inspected and maintained as necessary to replace any materials used in spill response activities.

5.3 (8b): WASTE MANAGEMENT PROCEDURES

➢ **Waste Disposal**

- All liquid waste materials will be collected and stored in approved sealed containers. All trash and construction debris from the site will be deposited in the approved containers. Containers will be serviced as necessary, and the trash will be hauled to an approved disposal site or licensed landfill. All onsite personnel will be instructed in the proper procedures for waste disposal and notices stating proper practices will be posted. The Contractor is responsible for ensuring waste disposal procedures are followed.

➢ **Hazardous Waste**

- All hazardous waste materials will be disposed of in a manner specified by local or state regulations or by the Manufacturer. Site personnel will be instructed in these practices, and the Contractor will be responsible for seeing that these practices are followed.

➢ **Sanitary Waste**

- Portable sanitary facilities will be provided on all construction sites. Sanitary waste will be collected from the portable units which must be secured to prevent tipping and serviced in a timely manner by a licensed waste management Contractor or as required by any local regulations.

5.3 (9): CONSTRUCTION SITE POLLUTANTS

The following materials or substances are expected to be present on the site during the construction period. These materials will be handled as noted under the heading "POLLUTION PREVENTION PROCEDURES" (check all that apply).

- ☒ Concrete and Portland Cement
- ☐ Detergents
- ☒ Paints
- ☒ Metals
- ☐ Bituminous Materials
- ☒ Petroleum Based Products
- ☐ Diesel Exhaust Fluid
- ☐ Cleaning Solvents
- ☒ Wood
- ☐ Cure
- ☐ Texture
- ☐ Chemical Fertilizers
- ☐ Other:

Product Specific Practices

- **Petroleum Products**
  All on-site vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled.

- **Fertilizers**
  Fertilizers will be applied only in the amounts specified by the SDDOT. Once applied, fertilizers will be worked into the soil to limit the exposure to stormwater. Fertilizers will be stored in an enclosed area. The contents of partially used fertilizer bags will be transferred to sealable containers to avoid spills.

- **Paints**
  All containers will be tightly sealed and stored when not required for use. The excess will be disposed of according to the Manufacturer's instructions and any applicable state and local regulations.

- **Concrete Trucks**
  Contractors will provide designated truck washout facilities on the site. These areas must be self-contained and not connected to any stormwater outlet of the site. Upon completion of construction, the area at the washout facility will be properly stabilized.

5.3 (10): NON-STORMWATER DISCHARGES

The following non-stormwater discharges are anticipated during the course of this project (check all that apply).

- ☐ Discharges from water line flushing.
- ☐ Pavement wash-water, where no spills or leaks of toxic or hazardous materials have occurred.
- ☒ Uncontaminated ground water associated with dewatering activities.

5.3 (11): INFEASIBILITY DOCUMENTATION

If it is determined to be infeasible to comply with any of the requirements of the Stormwater Permit, the infeasibility determination must be thoroughly documented in the SWPPP.

7.0: SPILL NOTIFICATION

In the event of a spill, the Contractor's site superintendent will make the appropriate notification(s), consistent with the following procedures:

- A release or spill of a regulated substance (includes petroleum and petroleum products) must be reported to SDDANR immediately **if any one of the following** conditions exists:
  - The release or spill threatens or is able to threaten waters of the state (surface water or ground water)
  - The release or spill causes an immediate danger to human health or safety
  - The release or spill exceeds 25 gallons
  - The release or spill causes a sheen on surface water
  - The release or spill of any substance that exceeds the ground water quality standards of ARSD Chapter 74:54:01
  - The release or spill of any substance that exceeds the surface water quality standards of ARSD Chapter 74:51:01
  - The release or spill of any substance that harms or threatens to harm wildlife or aquatic life
  - The release or spill is required to be reported according to Superfund Amendments and Reauthorization Act (SARA) Title III List of Lists, Consolidated List of Chemicals Subject to Reporting Under the Emergency Planning and Community Right to Know Act, US Environmental Protection Agency.

- To report a release or spill, call SDDANR at (605) 773-3296 during regular office hours (8 a.m. to 5 p.m. Central Standard Time). To report the release after hours, on weekends or holidays, call South Dakota Emergency Management at (605) 773-3231. Reporting the release to SDDANR does not meet any obligation for reporting to other state, local, or federal agencies. Therefore, you must also contact local authorities to determine the local reporting requirements for releases. A written report of the unauthorized release of any regulated substance, including quantity discharged, and the location of the discharge will be sent to SDDANR within 14 days of the discharge.

5.4: SWPPP CERTIFICATIONS

➢ **Certification of Compliance with Federal, State, and Local Regulations**

The Storm Water Pollution Prevention Plan (SWPPP) for this project reflects the requirements of all local municipal jurisdictions for storm water management and sediment and erosion control as established by ordinance, as well as other state and federal requirements for sediment and erosion control plans, permits, notices or documentation as appropriate.

➢ **South Dakota Department of Transportation**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____

Authorized Signature (See the General Permit, Section 7.4 (1))

➢ **Prime Contractor**

This section is to be executed by the General Contractor after the award of the contract. This section may be executed any time there is a change in the Prime Contractor of the project.

I certify under penalty of law that this document and all attachments will be revised or maintained under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____

Authorized Signature

CONTACT INFORMATION

The following personnel are duly authorized representatives and have signatory authority for modifications made to the SWPPP:

➢ **Contractor Information**:

- Prime Contractor Name: _____
- Contractor Contact Name: _____
- Address: _____
- _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **Erosion Control Supervisor**

- Name: _____
- Address: _____
- _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **SDDOT Project Engineer**

- Name: _____
- Business Address: _____
- Job Office Location: _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **SDDANR Contact Spill Reporting**
- Business Hours Monday-Friday (605) 773-3296
- Nights and Weekends (605) 773-3231

➢ **SDDANR Contact for Hazardous Materials.**
- (605) 773-3153

➢ **National Response Center Hotline**
- (800) 424-8802.

➢ **SDDANR Stormwater Contact Information**
- SDDANR Stormwater (800) 737-8676
- Surface Water Quality Program (605) 773-3351

5.5: REQUIRED SWPPP MODIFICATIONS

➢ **5.5 (1): Conditions Requiring SWPPP Modification**

The SWPPP must be modified, including the site map(s), in response to any of the following conditions:

- When a new operator responsible for implementation of any part the SWPPP begins work on the site.
- When changes to the construction plans, sediment and erosion control measures, or any best management practices on site that are no longer accurately reflected in the SWPPP. This includes changes made in response to corrective actions triggered by inspections.
- To reflect areas on the site map where operational control has been transferred (including the date of the transfer) or has been covered under a new permit since initiating coverage under this general permit.
- If inspections by site staff, local officials, SDDANR, or U.S. EPA determine that SWPPP modifications are necessary for compliance with the Stormwater Permit.
- To reflect any revisions to applicable federal, state, or local requirements that affect the control measures implemented at the site.
- If approved by the Secretary, to reflect any changes in chemical water treatment systems or controls, including the use of a different water treatment chemical, age rates, different areas, or methods of application.

➢ **5.5 (2): Deadlines for SWPPP Modification**

Any required revisions to the SWPPP must be completed within 7 calendar days following any of the items listed above.

➢ **5.5 (3): Documentation of Modifications to the Plan**

All SWPPP modification records are required to be maintained showing the dates of when the modification occurred. The records must include the name of the person authorizing each change and a brief summary of all changes.

➢ **5.5 (4): Certification Requirements**

All modifications made to the SWPPP must be signed and certified as required in Section 7.4.

➢ **5.5 (5): Required Notice to Other Operators**

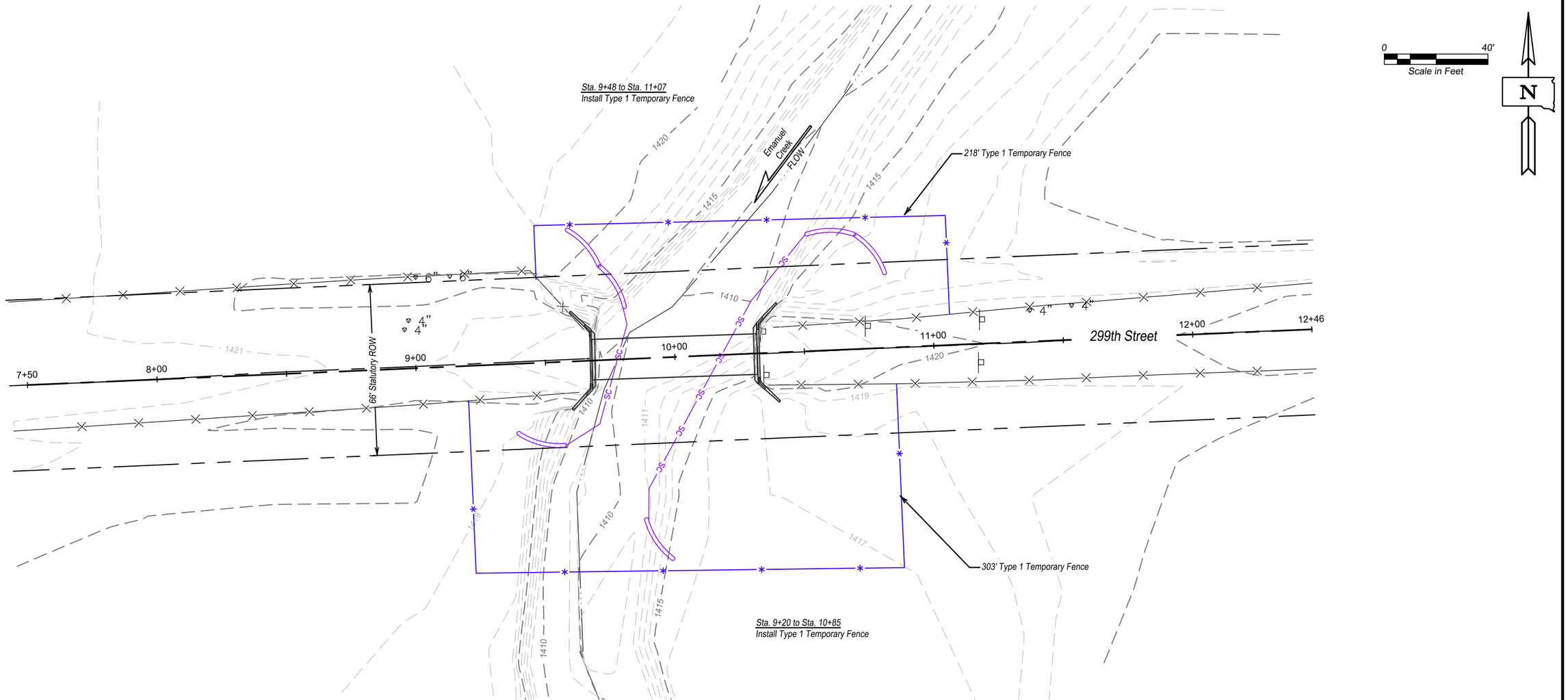
If there are multiple operators at the site, the Contractor's Erosion Control Supervisor must notify each operator that may be impacted by the change to the SWPPP within 24 hours.

When modifications as described above occur, the SWPPP will be modified to provide appropriate protection to disturbed areas, all storm water structures, and adjacent waters. The SDDOT Project Engineer will modify the SWPPP using the DOT 298 form and drawings on the plan will be modified to reflect the needed changes. Copies of the DOT 298 forms and the SWPPP will be retained on site in a designated place for review throughout the course of the project. A copy of the DOT 298 form will be given to the Contractor Erosion Control Supervisor and a copy will be emailed to the SDDOT Environmental Section in accordance with the DOT 298 Form.

TEMPORARY EROSION AND SEDIMENT CONTROL

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(18)	38	80



NOTES:
1. Stockpiles will be 10' from edge of bank.
2. Contractor is responsible for temporary erosion control for stockpiles.
3. Minimize exposed soil.
4. Waters of the United States are regulated by the Corps of Engineers.

EROSION CONTROL LEGEND

Floating Silt Curtain	SC
Erosion Control Wattle	
Temporary Fence	

TEMPORARY EROSION CONTROL WATTLES

Sta. 9+47	31' Rt.	20'
Sta. 9+68	45' Lt.	20'
Sta. 9+78	29' Lt.	20'
Sta. 9+90	71' Rt.	20'
Sta. 10+62	46' Lt.	20'
Sta. 10+78	37' Lt.	20'
	Additional Quantity	20'
	Total	140'

FLOATING SILT CURTAIN

Sta. 9+47 - 31' Rt.	to	Sta. 9+81 - 20' Lt.	62'
Sta. 9+87 - 62' Rt.	to	Sta. 10+52 - 45' Lt.	127'
		Additional Quantity	11'
		Total	200'

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

Plotted on: 6/16/25 2:58:48 PM
Plotted by: Justin M. Pump
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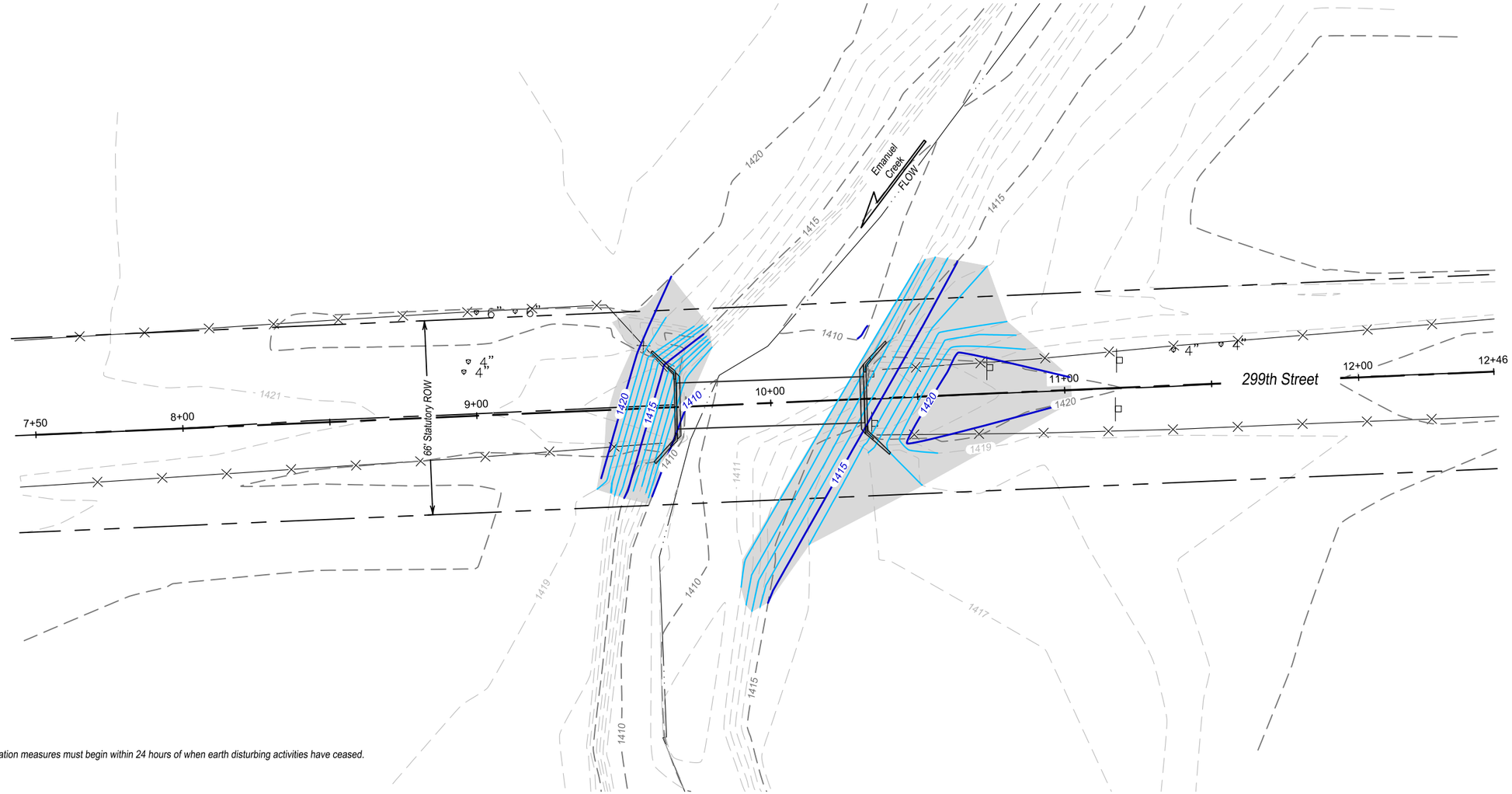
PERMANENT EROSION AND SEDIMENT CONTROL

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(18)	39	80



NOTES:

1. Stabilization measures must begin within 24 hours of when earth disturbing activities have ceased.

EROSION CONTROL LEGEND	
Fiber Reinforced Matrix	

FIBER REINFORCED MATRIX			
Sta. 9+40	to	Sta. 9+81	120 Lb.
Sta. 9+87	to	Sta. 11+02	355 Lb.
		Additional Quantity	50 Lb.
		Total	525 Lb.

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

Plotted on: 6/16/25 2:58:52 PM Plotted by: Justin M. Pump
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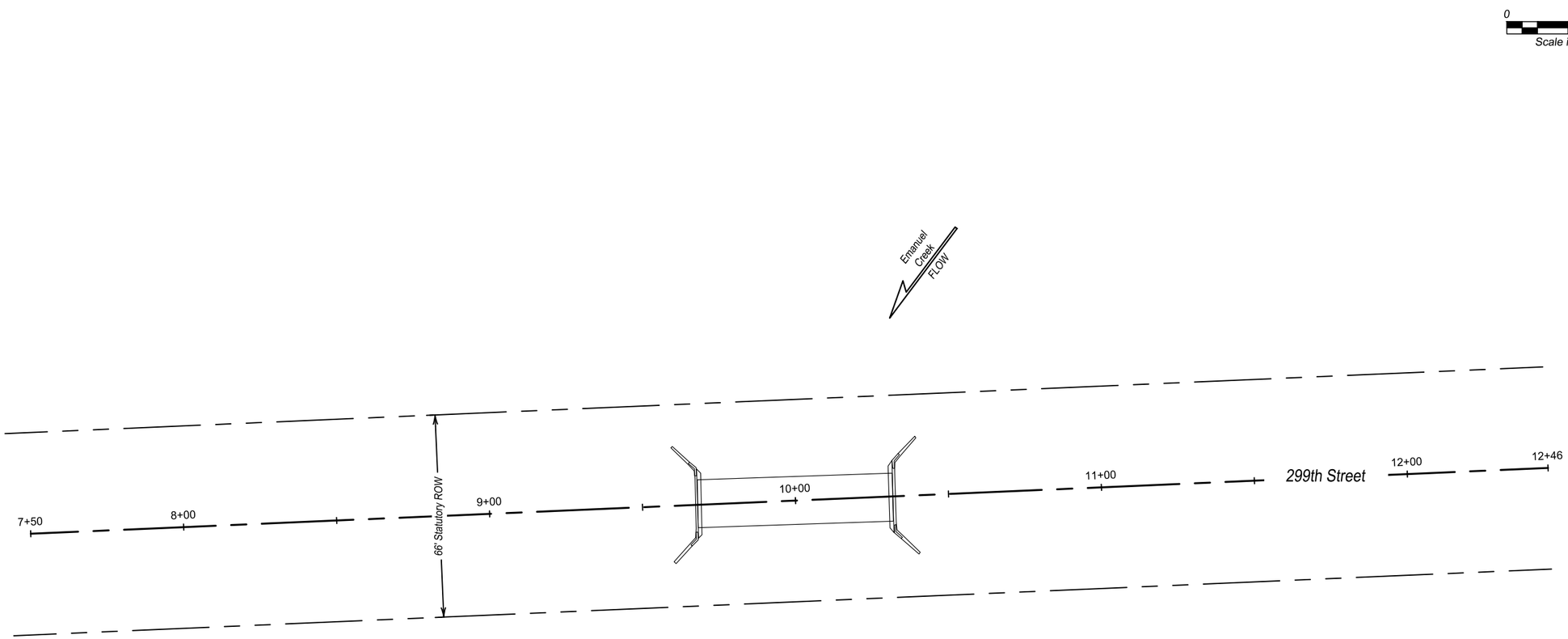
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

HORIZONTAL AND VERTICAL CONTROL DATA

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(18)	40	80

0 40'
Scale in Feet



NOTE: Coordinates shown on this sheet are based on the South Dakota State Plane Coordinate System, South Zone (NAD 83/2011)

HORIZONTAL ALIGNMENT DATA

Type	Sta.	Length	Direction	Northing (y)	Easting (x)
PI 1	7+50.00			272069.46	2620014.66
		496.00'	N87°31'05.77"E		
PI 2	12+46.00			272090.94	2620510.19

HORIZONTAL/VERTICAL CONTROL POINTS

Point	Sta.	Offset	Northing (y)	Easting (x)	Elevation (z)	Description
CP 1	-	-	272084.05	2620632.03	1420.58	5/8" Rebar

REGISTERED PROFESSIONAL ENGINEER
REG NO 13402
ADAM R POLLEY
SOUTH DAKOTA
6/27/25

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The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

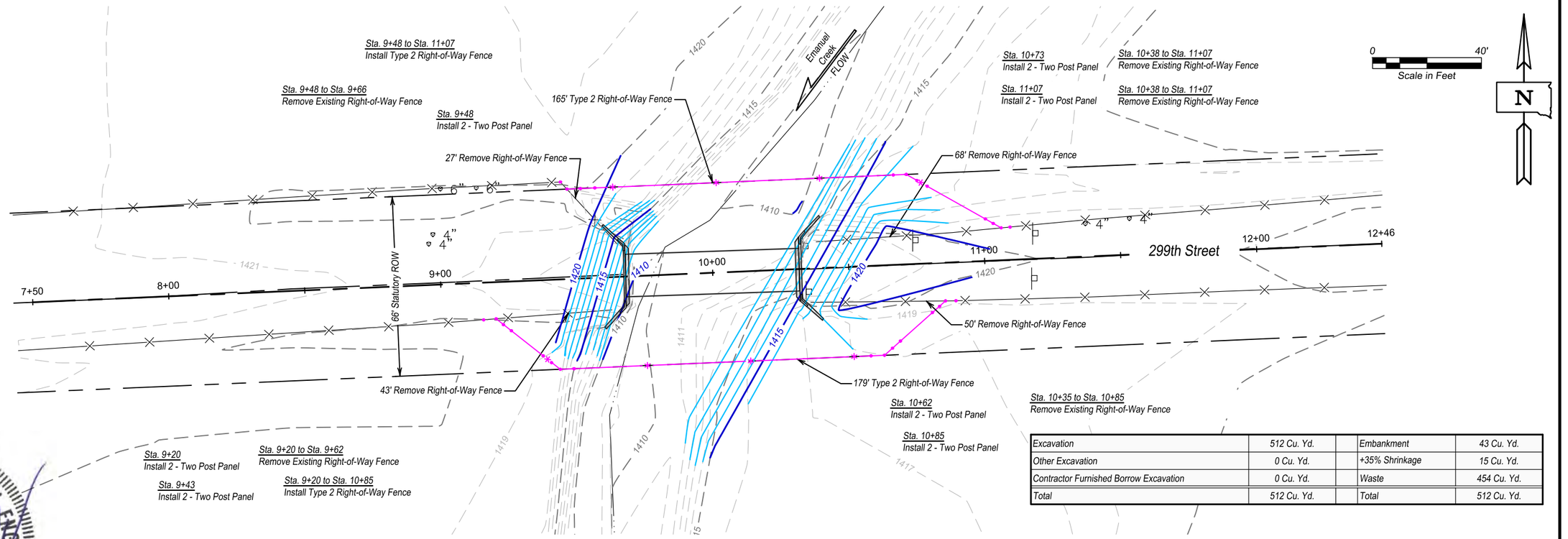
PLAN AND PROFILE

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(18)	41	80

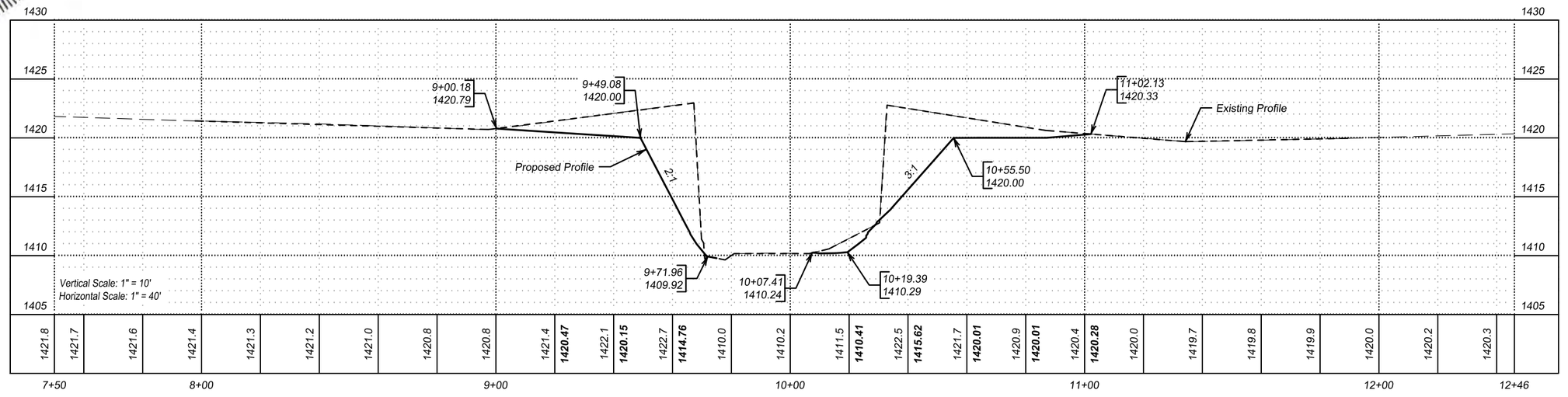
Revised: 07/11/2025 (JMP)

Sta. 9+67.35 to Sta. 10+32.67
Remove Existing ±65.4'
Steel Pony Truss Bridge
(Incidental Work, Structure)



Excavation	512 Cu. Yd.		Embankment	43 Cu. Yd.
Other Excavation	0 Cu. Yd.		+35% Shrinkage	15 Cu. Yd.
Contractor Furnished Borrow Excavation	0 Cu. Yd.		Waste	454 Cu. Yd.
Total	512 Cu. Yd.		Total	512 Cu. Yd.

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
7/24/25



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ROW LAYOUT

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(18)	42	80

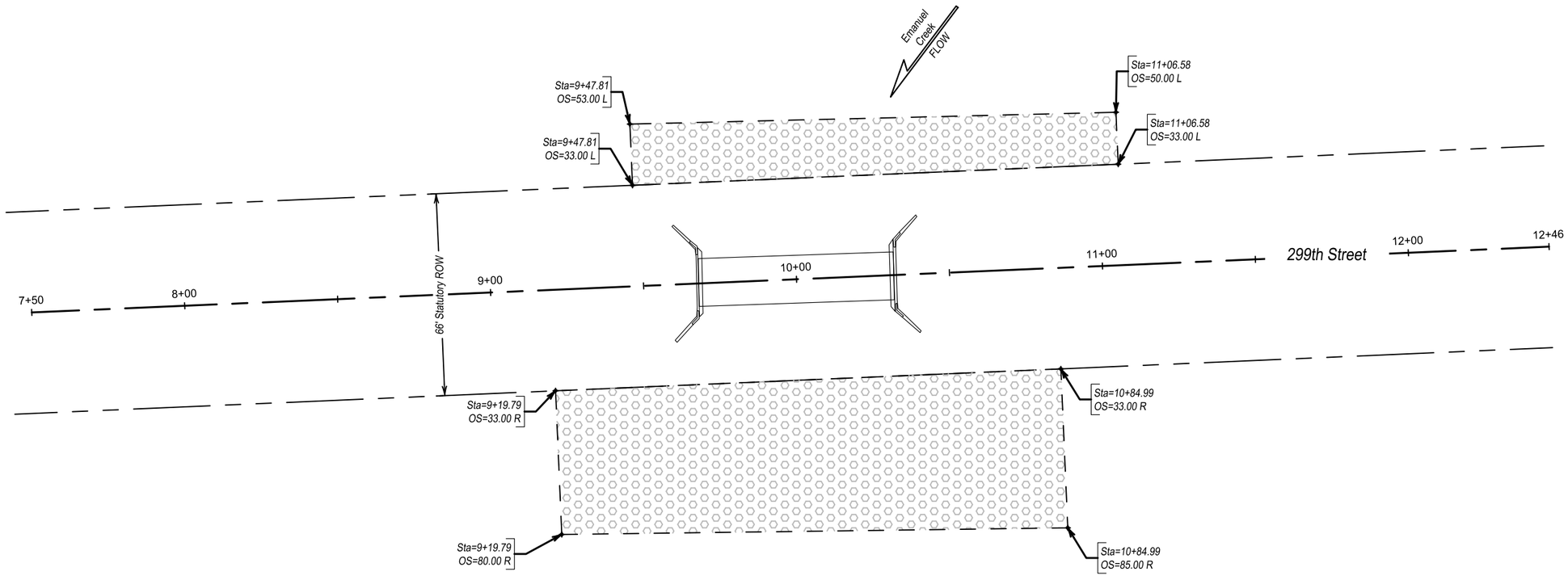
0 40'
Scale in Feet

N

William S. Raabe
41462 300th Street
Tyndall, SD 57066

The East Half (E1/2) of the Southeast Quarter (SE1/4)
Section Eleven (11), Township Ninety-five (95) North, Range Sixty (60) West
of the 5th P.M., Bon Homme County, South Dakota

Sta. 9+47 to Sta. 11+07
Temporary Easement
Containing 0.07 Acres, More or Less



Sta. 9+19 to Sta. 11+07
Work limits are within ROW and Easements

Sta. 9+19 to Sta. 10+85
Temporary Easement
Containing 0.19 Acres, More or Less

William S. Raabe
41462 300th Street
Tyndall, SD 57066

The East Half (E1/2) of the Northeast Quarter (NE1/4)
Section Fourteen (14), Township Ninety-five (95) North, Range Sixty (60) West
of the 5th P.M., Bon Homme County, South Dakota

REGISTERED PROFESSIONAL ENGINEER
REG. NO.
13402
ADAM R.
POLLEY
SOUTH DAKOTA
6/27/25

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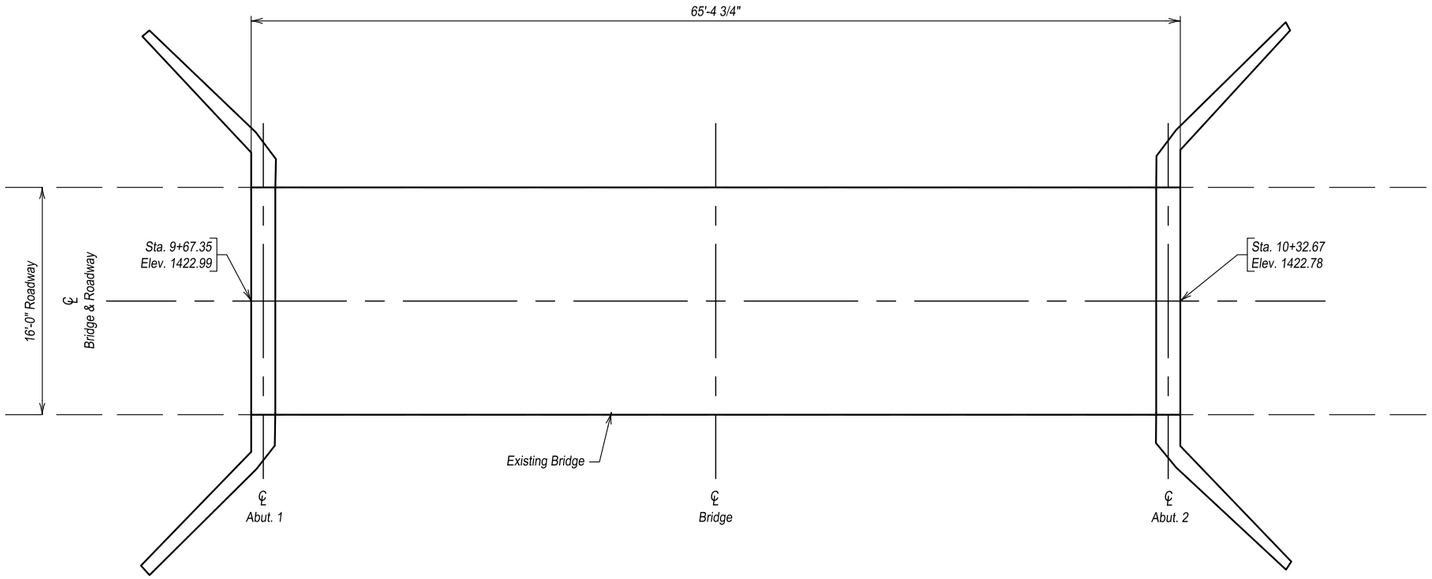
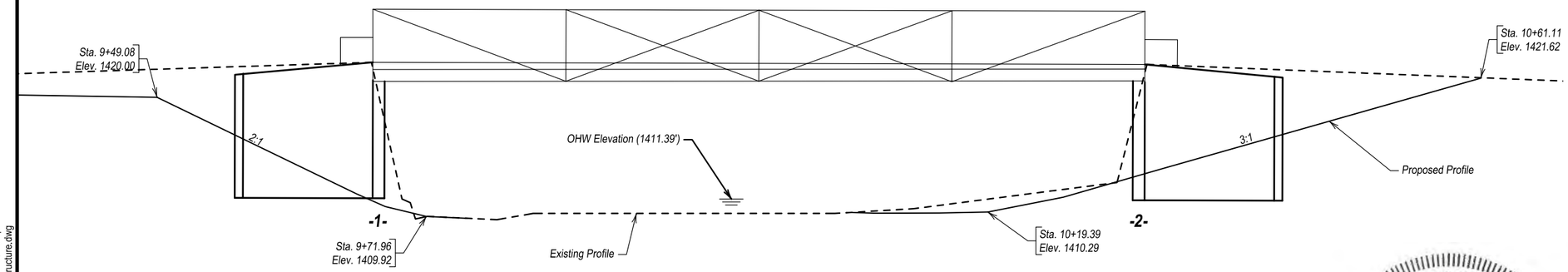
Plotted by: Justin M. Pump

FOR BIDDING PURPOSES ONLY

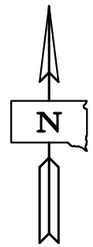
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(18)	43	80



PLAN



ELEVATION



ESTIMATED QUANTITIES		
ITEM	*UNIT*	*QUANTITY*
Incidental Work, Structure	*LS*	*Lump Sum*

INCIDENTAL WORK, STRUCTURE

1. *In place is a 65.4' long, four panel pony truss bridge with a 16'-0" clear roadway. The deck consists of timber plank deck. The abutments consist of reinforced concrete.*
2. *Break down and remove the existing bridge. All portions of the existing bridge will be removed and disposed of by the Contractor on a site obtained by the Contractor and approved by the Engineer in accordance with the Environmental Commitments found elsewhere in these plans.*
3. *The existing abutments and bents will be removed 1' below the bottom of the existing channel.*
4. *During demolition of the structure, efforts will be taken to prevent material from falling into the creek.*
5. *The foregoing is a general description of the in-place bridge and should not be construed to be complete in all details. Before preparing the bid, it will be the responsibility of the Contractor to make a visual inspection of the structure to verify the extents of the work and materials involved.*
6. *Costs associated with the foregoing work will be incidental to the contract lump sum price for "Incidental Work, Structure".*

LAYOUT FOR REMOVAL

FOR

65.4' STEEL TRUSS BRIDGE

299TH STREET
OVER EMANUEL CREEK
STA. 10+00.00
05-138-080
PCN 099V

0° SKEW
SEC. 11/14-T95N-R60W
BRO-B 8005(18)

BON HOMME COUNTY
S.D. DEPT. OF TRANSPORTATION
JUNE 2025

1 OF 1

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED
ARP	RCW	JMP	BRIDGE ENGINEER

PLANS BY: IMEG

Plotted on: 6/26/25 10:47:47 AM Plotted by: Justin M. Pump
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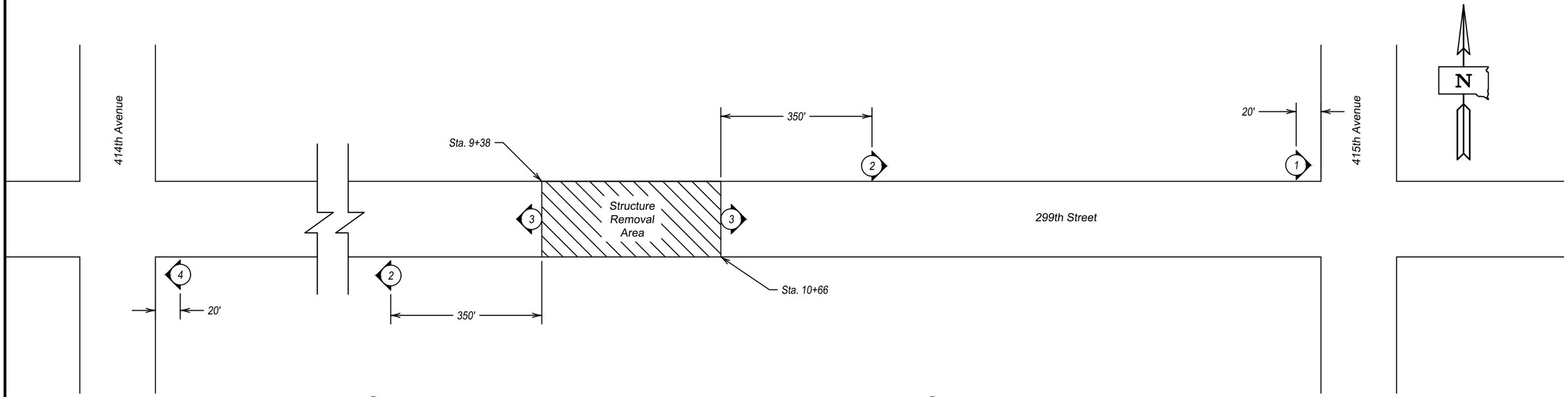
PERMANENT SIGNING

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8005(18)	44	80



1

ROAD CLOSED
800 FEET AHEAD
LOCAL TRAFFIC ONLY

R11-3a (60x30)

TYPE 3 BARRICADE
(Double-Sided)

2

ROAD CLOSED AHEAD

W20-3 (48x48)

3

ROAD CLOSED

R11-2 (48x30)

TYPE 3 BARRICADE

TYPE 3 BARRICADE

TYPE 3 BARRICADE

TYPE 3 BARRICADE

4

ROAD CLOSED
3/4 MILE AHEAD
LOCAL TRAFFIC ONLY

R11-3a (60x30)

TYPE 3 BARRICADE
(Double-Sided)

TABLE OF PERMANENT SIGNS

SIGN CODE	SIGN DESCRIPTION	CONVENTIONAL ROAD NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R11-2	ROAD CLOSED	2	48" x 30"	10.0	20.0
R11-3a	ROAD CLOSED 800 Feet AHEAD LOCAL TRAFFIC ONLY	1	60" x 30"	12.5	12.5
R11-3a	ROAD CLOSED 3/4 MILE AHEAD LOCAL TRAFFIC ONLY	1	60" x 30"	12.5	12.5
W20-3	ROAD CLOSED AHEAD	2	48" x 48"	16.0	32.0
		CONVENTIONAL ROAD PERMANENT SIGNS SQFT			77.0

REGISTERED PROFESSIONAL ENGINEER
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ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

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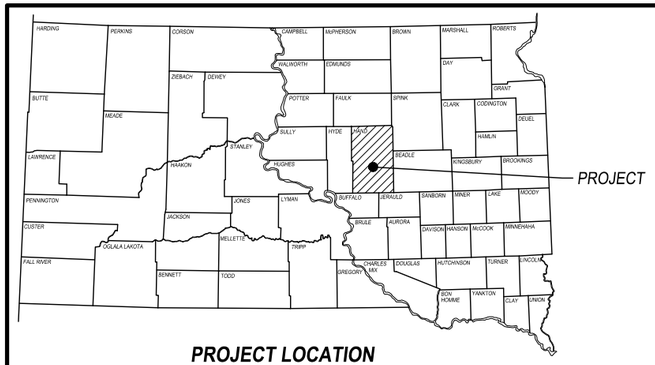


PROJECT LOCATION

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(24)	45	80

Revised: 07/24/2025 (JMP)

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

PROJECT BRO-B 8030(24)
HAND COUNTY

STRUCTURE REMOVAL
30-170-318
PCN 09A0

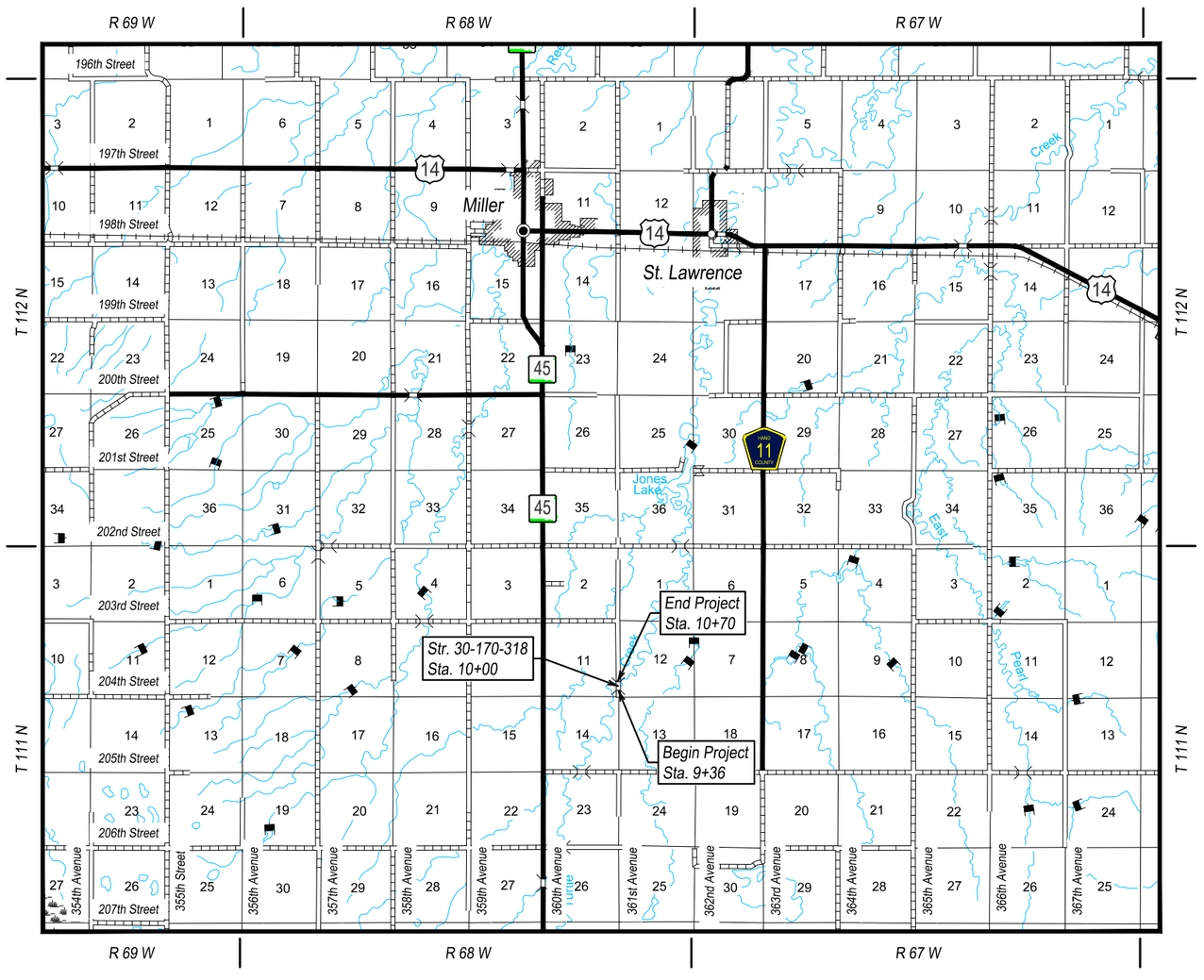
INDEX OF SHEETS

DESIGN DESIGNATION

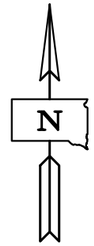
ADT (2020)	*10*
ADT (2040)	*13*
DHV	*2*
d	*50%*
T DHV	*3.6%*
T ADT	*8.0%*

STORM WATER PERMIT

Major Stream:	*Turtle Creek*
Area Disturbed:	*0.14 Acres*
Project Area:	*0.20 Acres*
Latitude:	*N 44.4309°*
Longitude:	*W -98.9634°*



LOCATION MAP



COUNTY OFFICIALS

Highway Superintendent

Jeff Hargens
810 E 2nd Street
Miller, SD 57362
Phone: (605) 853-3292

Commissioners

Daniel Jensen
Richard Strasburg
Greg Palmer
Jim Eschenbaum
Luke Wernsmann

Know what's **below.**
Call before you dig.

IMEG

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
7/24/25

Plotted on: 7/24/25 3:13:34 PM
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Plotted by: Justin M. Pump

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(24)	46	80

STORMWATER POLLUTION PREVENTION PLAN CHECKLIST

*(The numbers left of the title headings are **reference numbers** to the GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES (Stormwater Permit))*

5.3 (2): STAFF TRAINING/SWPPP IMPLEMENTATION

To promote stormwater management awareness specific for this project, the Contractor's Erosion Control Supervisor should provide correspondence of how the SWPPP will be implemented. The Contractor's Erosion Control Supervisor is responsible for providing this information at the preconstruction meeting, and subsequently completing an attendance log, which should identify site-specific implementation of the SWPPP and the names of the personnel who attended the preconstruction meeting. Documentation of the preconstruction meeting will be filed with the SWPPP documents.

5.3 (3): DESCRIPTION OF CONSTRUCTION ACTIVITIES

- **5.3 (3a): Project Limits** (See Title Sheet)
- **5.3 (3a): Project Description** (See Title Sheet)
- **5.3 (4): Site Map(s)** (See Title Sheet and Plans)
- **Major Soil Disturbing Activities** (check all that apply)
  - ☒ Clearing and grubbing
  - ☒ Excavation/borrow
  - ☒ Grading and shaping
  - ☐ Filling
  - ☐ Other (describe):
- **5.3 (3b): Total Project Area:** 0.20 Acres
- **5.3 (3b): Total Area to be Disturbed:** 0.14 Acres
- **5.3 (3c): Maximum Area Disturbed at One Time:** 0.14 Acres
- **5.3 (3d): Existing Vegetative Cover (%):** 75
- **5.3 (3d): Description of Vegetative Cover:** Tree, Shrub, and Herbaceous Species
- **5.3 (3e): Soil Properties:** Unknown
- **5.3 (3f): Name of Receiving Water Body/Bodies:** Turtle Creek
- **5.3 (3g): Location of Construction Support Activity Areas:** N/A

5.3 (3h): ORDER OF CONSTRUCTION ACTIVITIES

The Contractor will enter the Estimated Start Date.

Description	Estimated Start Date
Install perimeter protection where runoff may exit site.	
Install perimeter protection around stockpiles.	
Install channel and ditch bottom protection.	
Clearing and grubbing.	
Remove and stockpile topsoil.	
Stabilize disturbed areas.	
Final grading.	
Removal of protection devices.	
Reseed areas disturbed by removal activities.	

5.3 (5): DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES

All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report. Include the technical reasoning for selecting each control. (check all that apply)

Perimeter Controls (See Detail Plan Sheets)

Description	Estimated Start Date
☒ Natural Buffers (within 50 ft of Waters of State)	
☐ Silt Fence	
☒ Erosion Control Wattles	
☐ Temporary Berm / Windrow	
☐ Floating Silt Curtain	
☐ Stabilized Construction Entrances	
☐ Entrance/Exit Equipment Tire Wash	
☐ Other:	

Structural Erosion and Sediment Controls

Description	Estimated Start Date
☐ Silt Fence	
☐ Temporary Berm/Windrow	
☐ Erosion Control Wattles	
☐ Temporary Sediment Barriers	
☐ Erosion Bales	
☐ Temporary Slope Drain	
☐ Turf Reinforcement Mat	
☐ Riprap	
☐ Gabions	
☐ Rock Check Dams	
☐ Sediment Traps/Basins	
☐ Culvert Inlet Protection	
☐ Transition Mats	
☐ Median/Area Drain Inlet Protection	
☐ Curb Inlet Protection	
☐ Interceptor Ditch	
☐ Concrete Washout Facility	
☐ Work Platform	
☐ Temporary Water Barrier	
☐ Temporary Water Crossing	
☐ Permanent Stormwater Ponds	
☐ Permanent Open Vegetated Swales	
☐ Natural Depressions to allow for Infiltration	
☐ Sequential Systems that combine several practices	
☐ Other:	

Dust Controls

Description	Estimated Start Date
☐ Tarps & Wind impervious fabrics	
☐ Watering	
☐ Stockpile location/orientation	
☐ Dust Control Chlorides	
☐ Other:	

Dewatering BMPs

Description	Estimated Start Date
☐ Sediment Basins	
☐ Dewatering bags	
☐ Weir tanks	
☐ Temporary Diversion Channel	
☐ Other:	

Stabilization Practices (See Detail Plan Sheets)

(Stabilization measures will begin the following workday whenever earth disturbing activity on any portion of the site has temporarily or permanently ceased. Temporary stabilization will be completed as soon as practicable but no later than 14 days after initiating soil stabilization activities (3.18))

Description	Estimated Start Date
☐ Vegetation Buffer Strips	
☐ Temporary Seeding (Cover Crop Seeding)	
☒ Permanent Seeding	
☐ Sodding	
☐ Planting (Woody Vegetation for Soil Stabilization)	
☐ Mulching (Grass Hay or Straw)	
☐ Fiber Mulching (Wood Fiber Mulch)	
☐ Soil Stabilizer	
☐ Bonded Fiber Matrix	
☒ Fiber Reinforced Matrix	
☐ Erosion Control Blankets	
☐ Surface Roughening (e.g. tracking)	
☐ Other:	

Wetland Avoidance

Will construction and/or erosion and sediment controls impinge on regulated wetlands? Yes ☒ No ☐ If yes, the structural and erosion and sediment controls have been included in the total project wetland impacts and have been included in the 404 permit process with the USACE.

5.3 (6): PROCEDURES FOR INSPECTIONS

- Inspections will be conducted at least once every 7 days.
- All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report.
- Silt fence will be inspected for depth of sediment and for tears to ensure the fabric is securely attached to the posts and that the posts are well anchored. Sediment buildup will be removed from the silt fence when it reaches 1/3 of the height of the silt fence.
- Sediment basins and traps will be checked. Sediment will be removed when depth reaches approximately 50 percent of the structure's capacity, and at the conclusion of the construction.
- Check dams will be inspected for stability. Sediment will be removed when depth reaches ½ the height of the dam.
- All seeded areas will be checked for bare spots, washouts, and vigorous growth free of significant weed infestations.
- Inspection and maintenance reports will be prepared on form DOT 298 for each site inspection, this form will also be used to document changes to the SWPPP. A copy of the completed inspection form will be filed with the SWPPP documents.
- The SDDOT Project Engineer and Contractor's Erosion Control Supervisor are responsible for inspections. Maintenance and repair activities are the responsibility of the Contractor. The SDDOT Project Engineer will complete the inspection and maintenance reports and distribute copies per the distribution instructions on DOT 298.

5.3 (7): POST CONSTRUCTION STORMWATER MANAGEMENT

Stormwater management will be handled by temporary controls outlined in "DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES" above, and any permanent controls needed to meet permanent stormwater management needs in the post construction period will be shown in the plans and noted as permanent.

5.3 (8): POLLUTION PREVENTION PROCEDURES

5.3 (8a): Spill Prevention and Response Procedures

➢ **Material Management**

- Housekeeping
  - Only needed products will be stored on-site by the Contractor.
  - Except for bulk materials, the Contractor will store all materials under cover and/or in appropriate containers.
  - Products must be stored in original containers and labeled.
  - Material mixing will be conducted in accordance with the Manufacturer's recommendations.
  - When possible, all products will be completely used before properly disposing of the container off-site.
  - The Manufacturer's directions for disposal of materials and containers will be followed.
  - The Contractor's site superintendent will inspect materials storage areas regularly to ensure proper use and disposal.
  - Dust generated will be controlled in an environmentally safe manner.

- Hazardous Materials
  - Products will be kept in original containers unless the container is not resealable and provide secondary containment as applicable.
  - Original labels and material safety data sheets will be retained in a safe place to relay important product information.
  - If surplus product must be disposed of, the Manufacturer's label directions for disposal will be followed.
  - Maintenance and repair of all equipment and vehicles involving oil changes, hydraulic system drain down, de-greasing operations, fuel tank drain down and removal, and other activities which may result in the accidental release of contaminants will be conducted on an impervious surface and under cover during wet weather to prevent the release of contaminants onto the ground.
  - Wheel wash water will be collected and allowed to settle out suspended solids prior to discharge. Wheel wash water will not be discharged directly into any stormwater system or stormwater treatment system.
  - Potential pH-modifying materials such as: bulk cement, cement kiln dust, fly ash, new concrete washings, concrete pumping, residuals from concrete saw cutting (either wet or dry), and mixer washout waters will be collected on site and managed to prevent contamination of stormwater runoff.

➢ **Spill Control Practices**

In addition to the previous housekeeping and management practices, the following practices will be followed for spill prevention and cleanup if needed.

- For all hazardous materials stored on site, the Manufacturer's recommended methods for spill cleanup will be clearly posted. Site personnel will be made aware of the procedures and the locations of the information and cleanup supplies.
- Appropriate cleanup materials and equipment will be maintained by the Contractor in the materials storage area on-site. As appropriate, equipment and materials may include items such as brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for cleanup purposes.
- All spills will be cleaned immediately after discovery and the materials disposed of properly.
- The spill area will be kept well-ventilated, and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- After a spill a report will be prepared describing the spill, what caused it, and the cleanup measures taken. The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring, as well as clean up instructions in the event of reoccurrences.
- The Contractor's site superintendent, responsible for day-to-day operations, will be the spill prevention and cleanup coordinator.

➢ **Spill Response**

The primary objective in responding to a spill is to quickly contain the material(s) and prevent or minimize migration into stormwater runoff and conveyance systems. If the release has impacted on-site stormwater, it is critical to contain the released materials on-site and prevent their release into receiving waters. If a spill of pollutants threatens stormwater or surface water at the site, the spill response procedures outlined below must be implemented in a timely manner to prevent the release of pollutants.

- The Contractor's site superintendent will be notified immediately when a spill or the threat of a spill is observed. The superintendent will assess the situation and determine the appropriate response.
- If spills represent an imminent threat of escaping erosion and sediment controls and entering receiving waters, personnel will be directed to respond immediately to contain the release and notify the superintendent after the situation has been stabilized.
- Spill kits containing appropriate materials and equipment for spill response and cleanup will be maintained by the Contractor at the site.
- If oil sheen is observed on surface water (e.g., settling ponds, detention ponds, swales), action will be taken immediately to remove the material causing the sheen. The Contractor will use appropriate materials to contain and absorb the spill. The source of the oil sheen will also be identified and removed or repaired as necessary to prevent further releases.
- If a spill occurs the superintendent or the superintendent's designee will be responsible for completing the spill reporting form and for reporting the spill to SDDANR.
- Personnel with primary responsibility for spill response and cleanup will receive training by the Contractor's site superintendent or designee. The training must include identifying the location of the spill kits and other spill response equipment and the use of spill response materials.
- Spill response equipment will be inspected and maintained as necessary to replace any materials used in spill response activities.

5.3 (8b): WASTE MANAGEMENT PROCEDURES

➢ **Waste Disposal**

- All liquid waste materials will be collected and stored in approved sealed containers. All trash and construction debris from the site will be deposited in the approved containers. Containers will be serviced as necessary, and the trash will be hauled to an approved disposal site or licensed landfill. All onsite personnel will be instructed in the proper procedures for waste disposal and notices stating proper practices will be posted. The Contractor is responsible for ensuring waste disposal procedures are followed.

➢ **Hazardous Waste**

- All hazardous waste materials will be disposed of in a manner specified by local or state regulations or by the Manufacturer. Site personnel will be instructed in these practices, and the Contractor will be responsible for seeing that these practices are followed.

➢ **Sanitary Waste**

- Portable sanitary facilities will be provided on all construction sites. Sanitary waste will be collected from the portable units which must be secured to prevent tipping and serviced in a timely manner by a licensed waste management Contractor or as required by any local regulations.

5.3 (9): CONSTRUCTION SITE POLLUTANTS

The following materials or substances are expected to be present on the site during the construction period. These materials will be handled as noted under the heading "POLLUTION PREVENTION PROCEDURES" (check all that apply).

- ☒ Concrete and Portland Cement
- ☐ Detergents
- ☒ Paints
- ☒ Metals
- ☐ Bituminous Materials
- ☒ Petroleum Based Products
- ☐ Diesel Exhaust Fluid
- ☐ Cleaning Solvents
- ☒ Wood
- ☐ Cure
- ☐ Texture
- ☐ Chemical Fertilizers
- ☐ Other:

Product Specific Practices

- **Petroleum Products**
  All on-site vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled.

- **Fertilizers**
  Fertilizers will be applied only in the amounts specified by the SDDOT. Once applied, fertilizers will be worked into the soil to limit the exposure to stormwater. Fertilizers will be stored in an enclosed area. The contents of partially used fertilizer bags will be transferred to sealable containers to avoid spills.

- **Paints**
  All containers will be tightly sealed and stored when not required for use. The excess will be disposed of according to the Manufacturer's instructions and any applicable state and local regulations.

- **Concrete Trucks**
  Contractors will provide designated truck washout facilities on the site. These areas must be self-contained and not connected to any stormwater outlet of the site. Upon completion of construction, the area at the washout facility will be properly stabilized.

5.3 (10): NON-STORMWATER DISCHARGES

The following non-stormwater discharges are anticipated during the course of this project (check all that apply).

- ☐ Discharges from water line flushing.
- ☐ Pavement wash-water, where no spills or leaks of toxic or hazardous materials have occurred.
- ☒ Uncontaminated ground water associated with dewatering activities.

5.3 (11): INFEASIBILITY DOCUMENTATION

If it is determined to be infeasible to comply with any of the requirements of the Stormwater Permit, the infeasibility determination must be thoroughly documented in the SWPPP.

7.0: SPILL NOTIFICATION

In the event of a spill, the Contractor's site superintendent will make the appropriate notification(s), consistent with the following procedures:

- A release or spill of a regulated substance (includes petroleum and petroleum products) must be reported to SDDANR immediately **if any one of the following** conditions exists:
  - The release or spill threatens or is able to threaten waters of the state (surface water or ground water)
  - The release or spill causes an immediate danger to human health or safety
  - The release or spill exceeds 25 gallons
  - The release or spill causes a sheen on surface water
  - The release or spill of any substance that exceeds the ground water quality standards of ARSD Chapter 74:54:01
  - The release or spill of any substance that exceeds the surface water quality standards of ARSD Chapter 74:51:01
  - The release or spill of any substance that harms or threatens to harm wildlife or aquatic life
  - The release or spill is required to be reported according to Superfund Amendments and Reauthorization Act (SARA) Title III List of Lists, Consolidated List of Chemicals Subject to Reporting Under the Emergency Planning and Community Right to Know Act, US Environmental Protection Agency.

- To report a release or spill, call SDDANR at (605) 773-3296 during regular office hours (8 a.m. to 5 p.m. Central Standard Time). To report the release after hours, on weekends or holidays, call South Dakota Emergency Management at (605) 773-3231. Reporting the release to SDDANR does not meet any obligation for reporting to other state, local, or federal agencies. Therefore, you must also contact local authorities to determine the local reporting requirements for releases. A written report of the unauthorized release of any regulated substance, including quantity discharged, and the location of the discharge will be sent to SDDANR within 14 days of the discharge.

5.4: SWPPP CERTIFICATIONS

➢ **Certification of Compliance with Federal, State, and Local Regulations**

The Storm Water Pollution Prevention Plan (SWPPP) for this project reflects the requirements of all local municipal jurisdictions for storm water management and sediment and erosion control as established by ordinance, as well as other state and federal requirements for sediment and erosion control plans, permits, notices or documentation as appropriate.

➢ **South Dakota Department of Transportation**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____

Authorized Signature (See the General Permit, Section 7.4 (1))

➢ **Prime Contractor**

This section is to be executed by the General Contractor after the award of the contract. This section may be executed any time there is a change in the Prime Contractor of the project.

I certify under penalty of law that this document and all attachments will be revised or maintained under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____

Authorized Signature

CONTACT INFORMATION

The following personnel are duly authorized representatives and have signatory authority for modifications made to the SWPPP:

➢ **Contractor Information**:

- Prime Contractor Name: _____
- Contractor Contact Name: _____
- Address: _____
- _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **Erosion Control Supervisor**

- Name: _____
- Address: _____
- _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **SDDOT Project Engineer**

- Name: _____
- Business Address: _____
- Job Office Location: _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **SDDANR Contact Spill Reporting**
- Business Hours Monday-Friday (605) 773-3296
- Nights and Weekends (605) 773-3231

➢ **SDDANR Contact for Hazardous Materials.**
- (605) 773-3153

➢ **National Response Center Hotline**
- (800) 424-8802.

➢ **SDDANR Stormwater Contact Information**
- SDDANR Stormwater (800) 737-8676
- Surface Water Quality Program (605) 773-3351

5.5: REQUIRED SWPPP MODIFICATIONS

➢ **5.5 (1): Conditions Requiring SWPPP Modification**

The SWPPP must be modified, including the site map(s), in response to any of the following conditions:

- When a new operator responsible for implementation of any part the SWPPP begins work on the site.
- When changes to the construction plans, sediment and erosion control measures, or any best management practices on site that are no longer accurately reflected in the SWPPP. This includes changes made in response to corrective actions triggered by inspections.
- To reflect areas on the site map where operational control has been transferred (including the date of the transfer) or has been covered under a new permit since initiating coverage under this general permit.
- If inspections by site staff, local officials, SDDANR, or U.S. EPA determine that SWPPP modifications are necessary for compliance with the Stormwater Permit.
- To reflect any revisions to applicable federal, state, or local requirements that affect the control measures implemented at the site.
- If approved by the Secretary, to reflect any changes in chemical water treatment systems or controls, including the use of a different water treatment chemical, age rates, different areas, or methods of application.

➢ **5.5 (2): Deadlines for SWPPP Modification**

Any required revisions to the SWPPP must be completed within 7 calendar days following any of the items listed above.

➢ **5.5 (3): Documentation of Modifications to the Plan**

All SWPPP modification records are required to be maintained showing the dates of when the modification occurred. The records must include the name of the person authorizing each change and a brief summary of all changes.

➢ **5.5 (4): Certification Requirements**

All modifications made to the SWPPP must be signed and certified as required in Section 7.4.

➢ **5.5 (5): Required Notice to Other Operators**

If there are multiple operators at the site, the Contractor's Erosion Control Supervisor must notify each operator that may be impacted by the change to the SWPPP within 24 hours.

When modifications as described above occur, the SWPPP will be modified to provide appropriate protection to disturbed areas, all storm water structures, and adjacent waters. The SDDOT Project Engineer will modify the SWPPP using the DOT 298 form and drawings on the plan will be modified to reflect the needed changes. Copies of the DOT 298 forms and the SWPPP will be retained on site in a designated place for review throughout the course of the project. A copy of the DOT 298 form will be given to the Contractor Erosion Control Supervisor and a copy will be emailed to the SDDOT Environmental Section in accordance with the DOT 298 Form.

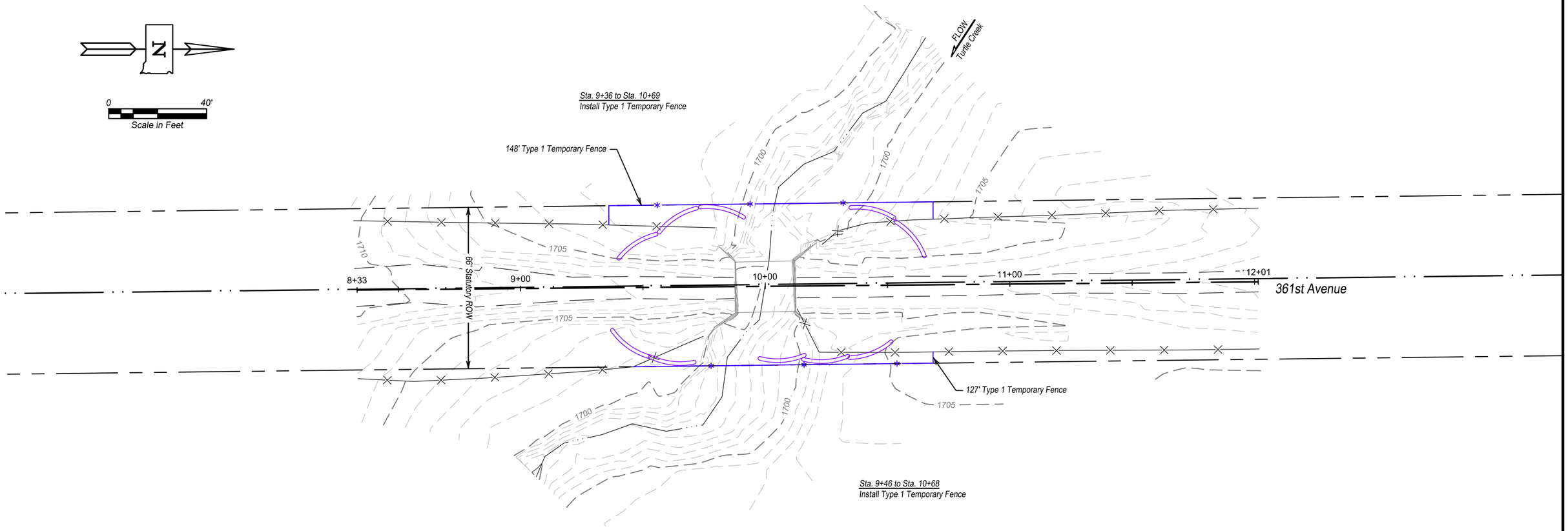
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

TEMPORARY EROSION AND SEDIMENT CONTROL

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(24)	50	80

0 40'
Scale in Feet



NOTES:
1. Stockpiles will be 10' from edge of bank.
2. Contractor is responsible for temporary erosion control for stockpiles.
3. Minimize exposed soil.
4. Waters of the United States are regulated by the Corps of Engineers.

EROSION CONTROL LEGEND

Erosion Control Wattle	
Temporary Fence	

TEMPORARY EROSION CONTROL WATTLES

Sta. 9+44	24' Rt.	20'
Sta. 9+47	18' Lt.	20'
Sta. 9+62	31' Rt.	20'
Sta. 9+64	29' Lt.	20'
Sta. 9+83	32' Lt.	20'
Sta. 10+07	30' Rt.	20'
Sta. 10+25	31' Rt.	20'
Sta. 10+35	32' Lt.	20'
Sta. 10+43	28' Rt.	20'
Sta. 10+61	20' Lt.	20'
	Additional Quantity	20'
	Total	220'

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

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The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

PERMANENT EROSION AND SEDIMENT CONTROL

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
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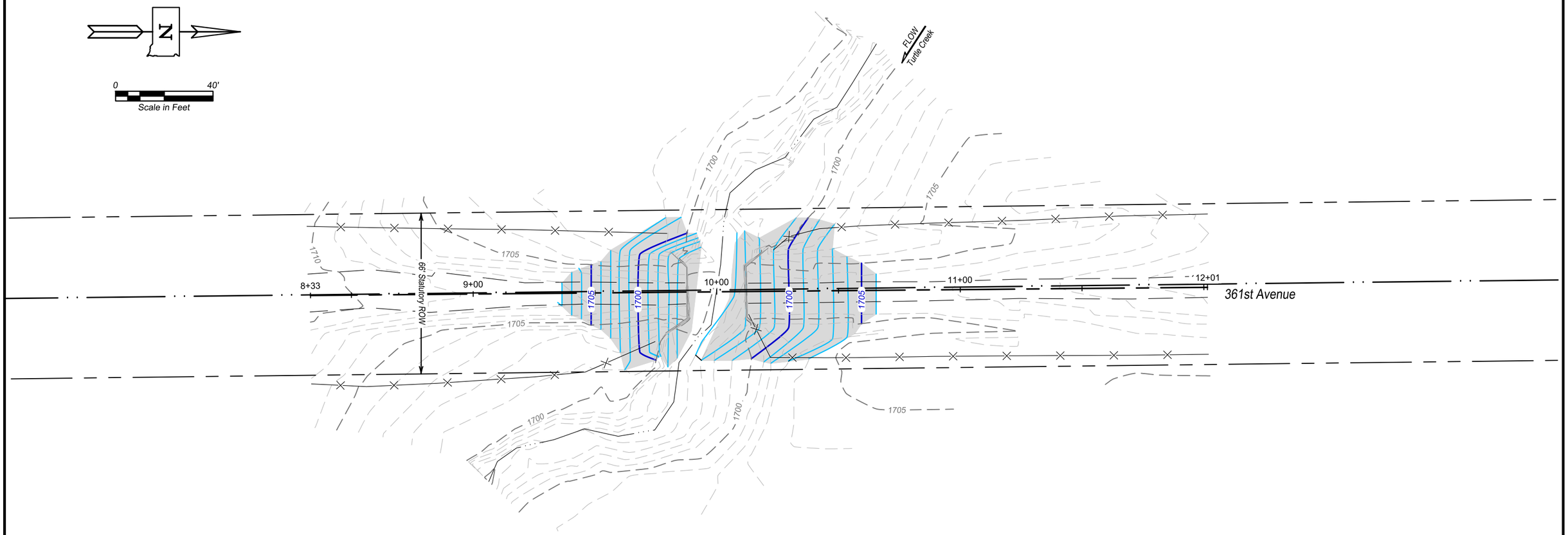

NOTES:

1. Stabilization measures must begin within 24 hours of when earth disturbing activities have ceased.

EROSION CONTROL LEGEND	
Fiber Reinforced Matrix	

FIBER REINFORCED MATRIX			
Sta. 9+36	to	Sta. 9+94	150 Lb.
Sta. 9+93	to	Sta. 10+66	210 Lb.
		Additional Quantity	15 Lb.
		Total	375 Lb.

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

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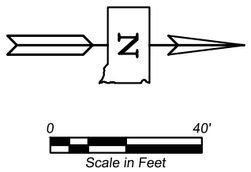
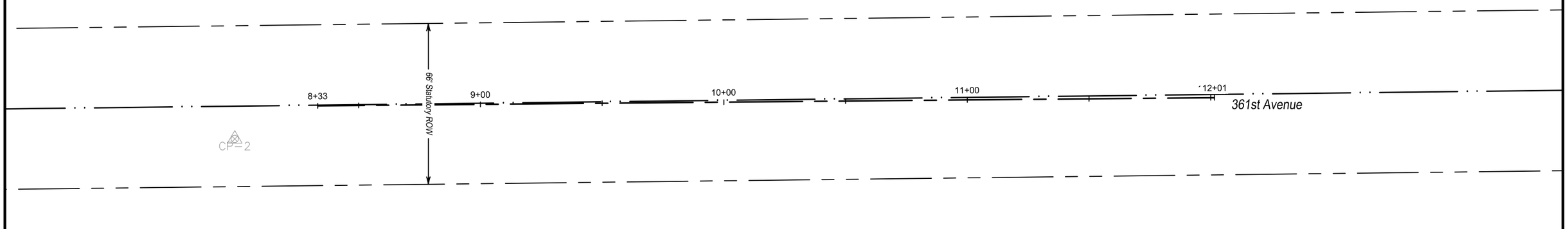
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

HORIZONTAL AND VERTICAL CONTROL DATA

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(24)	52	80





NOTE: Coordinates shown on this sheet are based on the South Dakota State Plane Coordinate System, North Zone (NAD 83-2011)

HORIZONTAL/VERTICAL CONTROL POINTS

Point	Sta.	Offset	Northing (y)	Easting (x)	Elevation (z)	Description
CP 2	-	-	219372.12	2239311.01	1713.71	5/8" Rebar

HORIZONTAL ALIGNMENT DATA

Type	Sta.	Length	Direction	Northing (y)	Easting(x)
PI 1	8+33			219406.20	2239297.41
		368.33'	N00°31'13.56"W		
PI 2	12+02			219774.51	2239294.07

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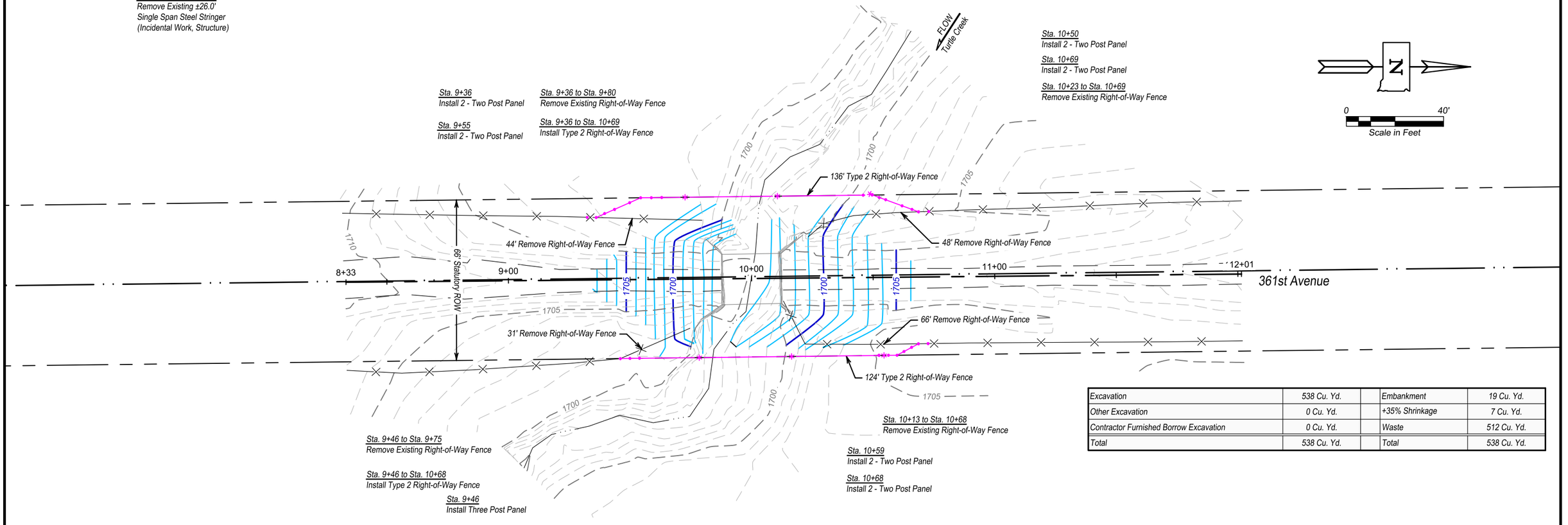
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

PLAN AND PROFILE

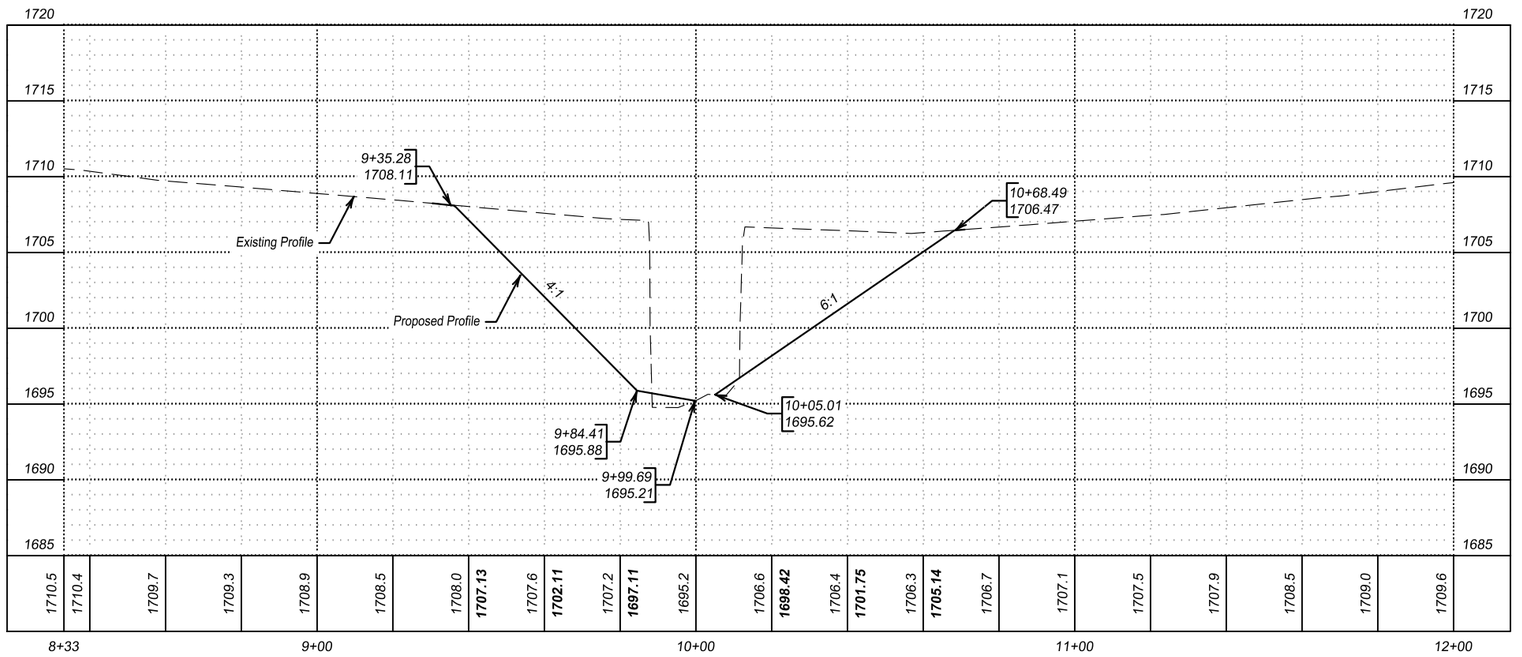
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(24)	53	80

Revised: 07/10/2025 (JMP)



Excavation	538 Cu. Yd.		Embankment	19 Cu. Yd.
Other Excavation	0 Cu. Yd.		+35% Shrinkage	7 Cu. Yd.
Contractor Furnished Borrow Excavation	0 Cu. Yd.		Waste	512 Cu. Yd.
Total	538 Cu. Yd.		Total	538 Cu. Yd.



REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
7/24/25

Plotted on: 7/11/25 10:07:25 AM Plotted by: Justin M. Pump
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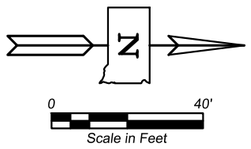
ROW LAYOUT

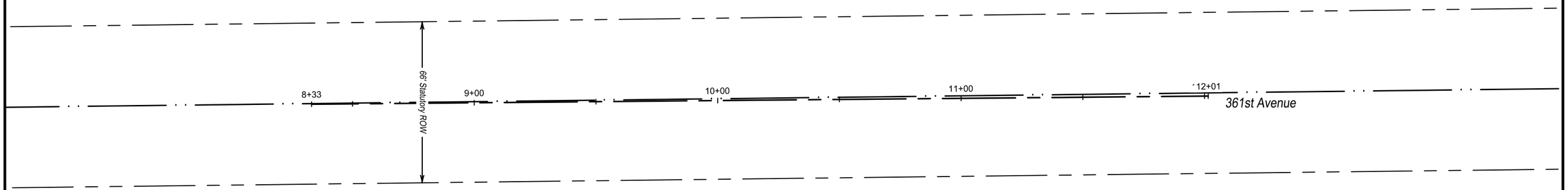
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(24)	54	80



Roger D. Gerdes and Marcia J. Gerdes Charitable Remainder Annuity Trust,
South Dakota State University Foundation
815 Medary Avenue
Brookings, SD 57007

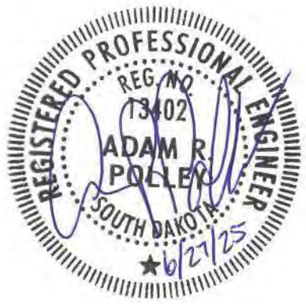
The West Half (W1/2) of Section Twelve (12),
Township One Hundred Eleven (111) North, Range Sixty-Eight (68) West
of the 5th P.M., Hand County, South Dakota



Roger D. Gerdes and Marcia J. Gerdes Charitable Remainder Annuity Trust,
South Dakota State University Foundation
815 Medary Avenue
Brookings, SD 57007

The East Half (E1/2) of Section Eleven (11),
Township One Hundred Eleven (111) North, Range Sixty-Eight (68) West
of the 5th P.M., Hand County, South Dakota

Sta. 9+36 to Sta. 10+70
Work Limits are within ROW



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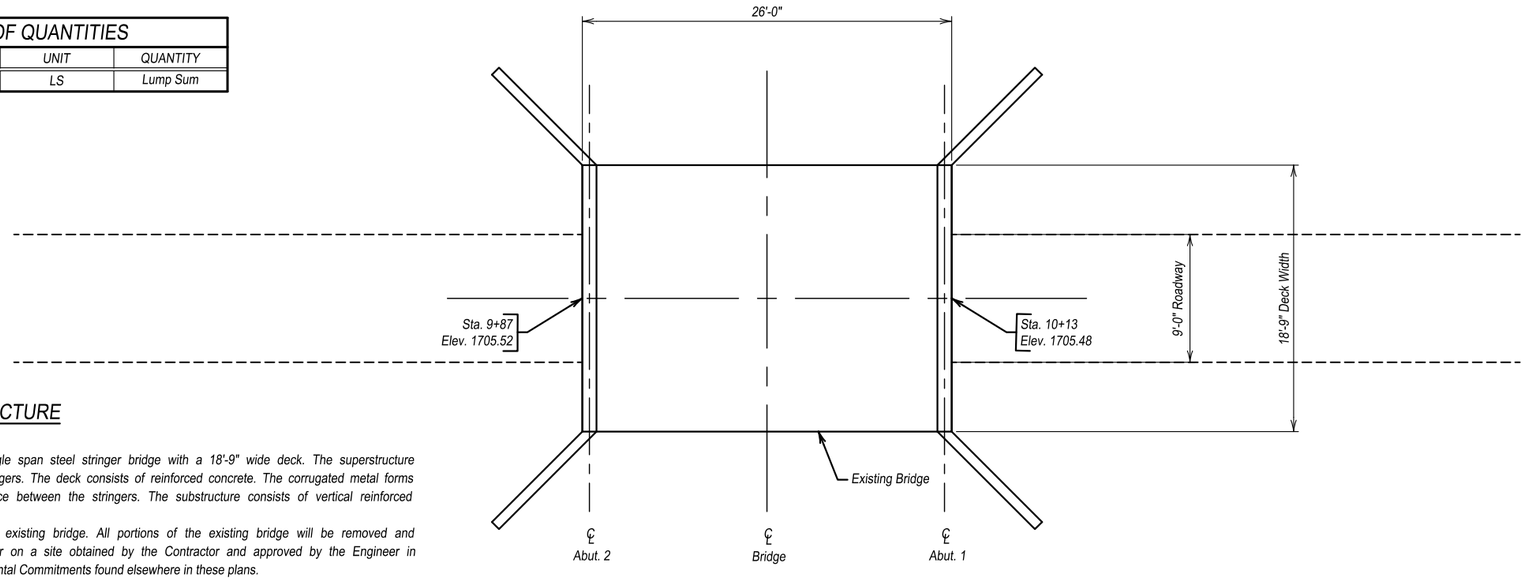
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(24)	55	80

ESTIMATE OF QUANTITIES		
ITEM	UNIT	QUANTITY
Incidental Work, Structure	LS	Lump Sum



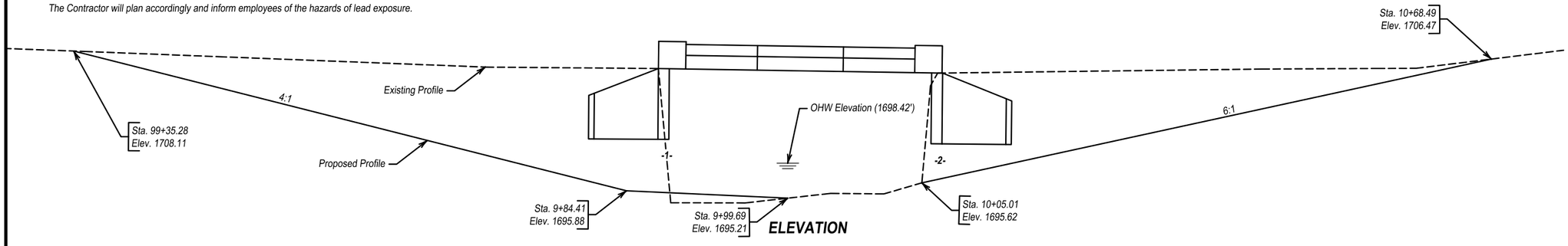
PLAN

INCIDENTAL WORK, STRUCTURE

1. In place is a 26'-0" long single span steel stringer bridge with a 18'-9" wide deck. The superstructure consists of nine (9) steel stringers. The deck consists of reinforced concrete. The corrugated metal forms for the deck were left in-place between the stringers. The substructure consists of vertical reinforced concrete abutments.
2. Break down and remove the existing bridge. All portions of the existing bridge will be removed and disposed of by the Contractor on a site obtained by the Contractor and approved by the Engineer in accordance with the Environmental Commitments found elsewhere in these plans.
3. The existing abutments will be removed 1' below the bottom of the existing channel.
4. During demolition of the structure, efforts will be taken to prevent material from falling into the creek.
5. The foregoing is a general description of the in-place bridge and should not be construed to be complete in all details. Before preparing the bid, it will be the responsibility of the Contractor to make a visual inspection of the structure to verify the extents of the work and materials involved.
6. Costs associated with the foregoing work will be incidental to the contract lump sum price for "Incidental Work, Structure".

NOTICE - LEAD BASED PAINT

Be advised that the paint on the steel surfaces of the existing structure contains lead.
The Contractor will plan accordingly and inform employees of the hazards of lead exposure.



ELEVATION

LAYOUT FOR REMOVAL
FOR
26.0' STEEL STRINGER BRIDGE

361ST AVENUE
TURTLE CREEK
STA. 10+00.00
30-170-318
PCN 09A0

0° SKEW
SEC. 12/11-T111N-R68W
BRO-B 8030(24)

HAND COUNTY
S.D. DEPT. OF TRANSPORTATION
JUNE 2025

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

1 OF 1

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED
ARP	RCW	JMP	BRIDGE ENGINEER

PLANS BY: IMEG

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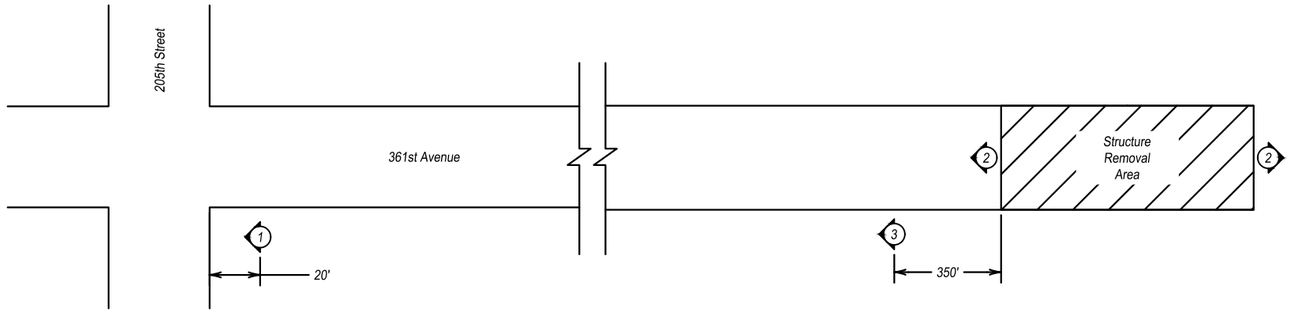
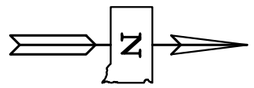
PERMANENT SIGNING

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(24)	56	80





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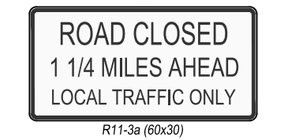
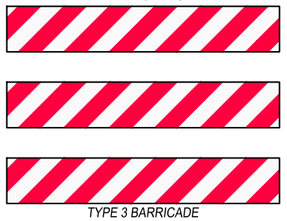


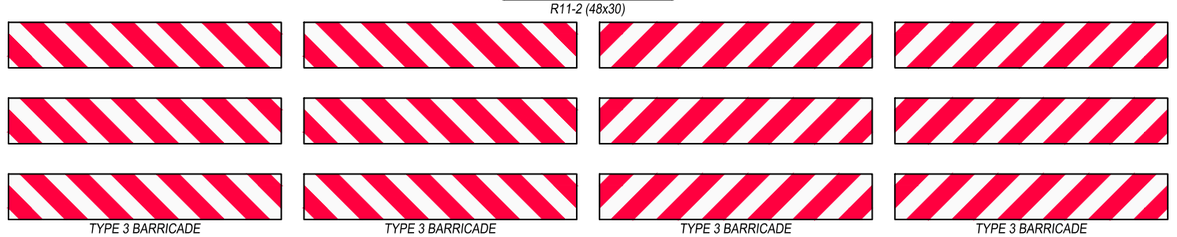
R11-3a (60x30)



TYPE 3 BARRICADE

2

R11-2 (48x30)



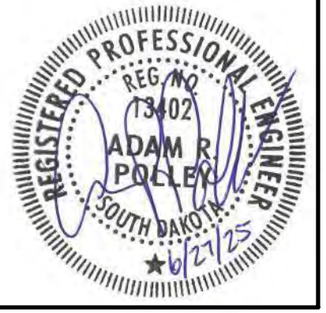
TYPE 3 BARRICADE | TYPE 3 BARRICADE | TYPE 3 BARRICADE | TYPE 3 BARRICADE

3

W20-3 (48x48)

TABLE OF PERMANENT SIGNS

SIGN CODE	SIGN DESCRIPTION	CONVENTIONAL ROAD NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R11-2	ROAD CLOSED	2	48" x 30"	10.0	20.0
R11-3a	ROAD CLOSED 1 1/4 MILES AHEAD LOCAL TRAFFIC ONLY	1	60" x 30"	12.5	12.5
W20-3	ROAD CLOSED AHEAD	1	48" x 48"	16.0	16.0
		CONVENTIONAL ROAD PERMANENT SIGNS SQFT			48.5

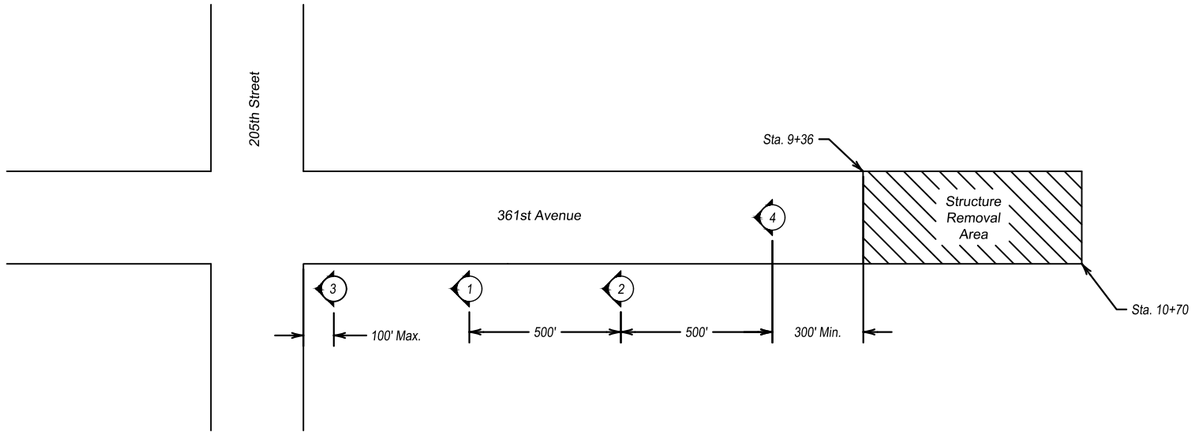


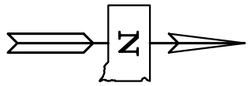
TRAFFIC CONTROL

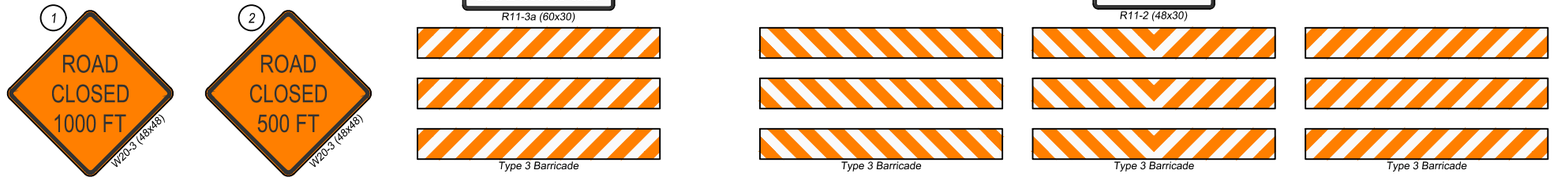
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(24)	56A	80

Revised: 07/24/2025 (JMP)

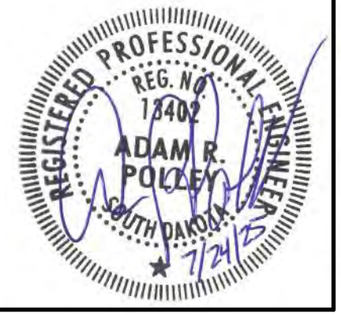


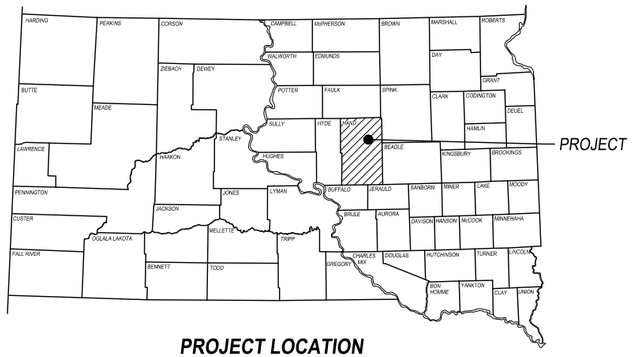




ITEMIZED LIST FOR TRAFFIC CONTROL SIGNS

SIGN CODE	SIGN DESCRIPTION	CONVENTIONAL ROAD NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R11-3	ROAD CLOSED	1	48" x 30"	10.0	10.0
R11-3a	ROAD CLOSED 1 1/4 MILES AHEAD LOCAL TRAFFIC ONLY	1	60" x 30"	12.5	12.5
W20-3	ROAD CLOSED 500 FT	1	48" x 48"	16.0	16.0
W20-3	ROAD CLOSED 1000 FT	1	48" x 48"	16.0	16.0
		CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT			54.5





PROJECT LOCATION

DESIGN DESIGNATION

ADT (2020)	15
ADT (2040)	30
DHV	3
d	50%
T DHV	3.6%
T ADT	8.0%

STORM WATER PERMIT

Major Stream:	Wolf Creek
Area Disturbed:	0.07 Acres
Project Area:	0.13 Acres
Latitude:	N44.6223°
Longitude:	W -98.8261°

Know what's **below.**
Call before you dig.

IMEG

Plotted by: Justin M. Pump
Plotted on: 7/24/25 3:14:49 PM
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FOR BIDDING PURPOSES ONLY

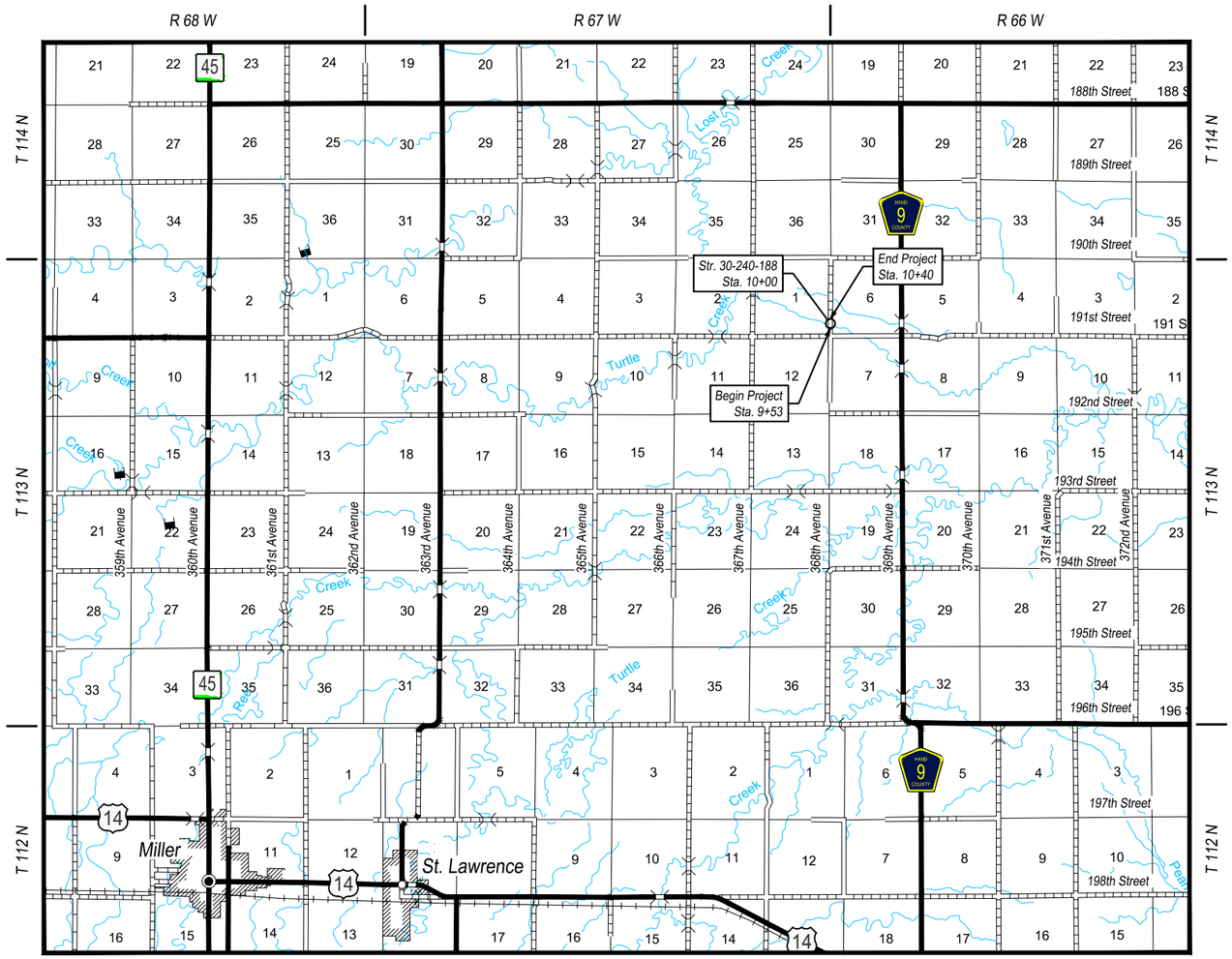
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(25)	57	80

Revised: 07/24/2025 (JMP)

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

PROJECT BRO-B 8030(25)
HAND COUNTY

STRUCTURE REMOVAL
30-240-188
PCN 09A1



LOCATION MAP

INDEX OF SHEETS

N

COUNTY OFFICIALS

Highway Superintendent
Jeff Hargens
810 E 2nd Street
Miller, SD 57362
Phone: (605) 853-3292

Commissioners
Daniel Jensen
Richard Strasburg
Greg Palmer
Jim Eschenbaum
Luke Wernsmann

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
7/24/25

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(25)	58	80

STORMWATER POLLUTION PREVENTION PLAN CHECKLIST

*(The numbers left of the title headings are **reference numbers** to the GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES (Stormwater Permit))*

5.3 (2): STAFF TRAINING/SWPPP IMPLEMENTATION

To promote stormwater management awareness specific for this project, the Contractor's Erosion Control Supervisor should provide correspondence of how the SWPPP will be implemented. The Contractor's Erosion Control Supervisor is responsible for providing this information at the preconstruction meeting, and subsequently completing an attendance log, which should identify site-specific implementation of the SWPPP and the names of the personnel who attended the preconstruction meeting. Documentation of the preconstruction meeting will be filed with the SWPPP documents.

5.3 (3): DESCRIPTION OF CONSTRUCTION ACTIVITIES

- **5.3 (3a): Project Limits** (See Title Sheet)
- **5.3 (3a): Project Description** (See Title Sheet)
- **5.3 (4): Site Map(s)** (See Title Sheet and Plans)
- **Major Soil Disturbing Activities** (check all that apply)
  - ☒ Clearing and grubbing
  - ☒ Excavation/borrow
  - ☒ Grading and shaping
  - ☐ Filling
  - ☐ Other (describe):
- **5.3 (3b): Total Project Area:** 0.13 Acres
- **5.3 (3b): Total Area to be Disturbed:** 0.07 Acres
- **5.3 (3c): Maximum Area Disturbed at One Time:** 0.07 Acres
- **5.3 (3d): Existing Vegetative Cover (%):** 75
- **5.3 (3d): Description of Vegetative Cover:** Tree, Shrub, and Herbaceous Species
- **5.3 (3e): Soil Properties:** Unknown
- **5.3 (3f): Name of Receiving Water Body/Bodies:** Wolf Creek
- **5.3 (3g): Location of Construction Support Activity Areas:** N/A

5.3 (3h): ORDER OF CONSTRUCTION ACTIVITIES

The Contractor will enter the Estimated Start Date.

Description	Estimated Start Date
Install perimeter protection where runoff may exit site.	
Install perimeter protection around stockpiles.	
Install channel and ditch bottom protection.	
Clearing and grubbing.	
Remove and stockpile topsoil.	
Stabilize disturbed areas.	
Final grading.	
Removal of protection devices.	
Reseed areas disturbed by removal activities.	

5.3 (5): DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES

All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report. Include the technical reasoning for selecting each control. (check all that apply)

Perimeter Controls (See Detail Plan Sheets)

Description	Estimated Start Date
☒ Natural Buffers (within 50 ft of Waters of State)	
☐ Silt Fence	
☒ Erosion Control Wattles	
☐ Temporary Berm / Windrow	
☐ Floating Silt Curtain	
☐ Stabilized Construction Entrances	
☐ Entrance/Exit Equipment Tire Wash	
☐ Other:	

Structural Erosion and Sediment Controls

Description	Estimated Start Date
☐ Silt Fence	
☐ Temporary Berm/Windrow	
☐ Erosion Control Wattles	
☐ Temporary Sediment Barriers	
☐ Erosion Bales	
☐ Temporary Slope Drain	
☐ Turf Reinforcement Mat	
☐ Riprap	
☐ Gabions	
☐ Rock Check Dams	
☐ Sediment Traps/Basins	
☐ Culvert Inlet Protection	
☐ Transition Mats	
☐ Median/Area Drain Inlet Protection	
☐ Curb Inlet Protection	
☐ Interceptor Ditch	
☐ Concrete Washout Facility	
☐ Work Platform	
☐ Temporary Water Barrier	
☐ Temporary Water Crossing	
☐ Permanent Stormwater Ponds	
☐ Permanent Open Vegetated Swales	
☐ Natural Depressions to allow for Infiltration	
☐ Sequential Systems that combine several practices	
☐ Other:	

Dust Controls

Description	Estimated Start Date
☐ Tarps & Wind impervious fabrics	
☐ Watering	
☐ Stockpile location/orientation	
☐ Dust Control Chlorides	
☐ Other:	

Dewatering BMPs

Description	Estimated Start Date
☐ Sediment Basins	
☐ Dewatering bags	
☐ Weir tanks	
☐ Temporary Diversion Channel	
☐ Other:	

Stabilization Practices (See Detail Plan Sheets)

(Stabilization measures will begin the following workday whenever earth disturbing activity on any portion of the site has temporarily or permanently ceased. Temporary stabilization will be completed as soon as practicable but no later than 14 days after initiating soil stabilization activities (3.18))

Description	Estimated Start Date
☐ Vegetation Buffer Strips	
☐ Temporary Seeding (Cover Crop Seeding)	
☒ Permanent Seeding	
☐ Sodding	
☐ Planting (Woody Vegetation for Soil Stabilization)	
☐ Mulching (Grass Hay or Straw)	
☐ Fiber Mulching (Wood Fiber Mulch)	
☐ Soil Stabilizer	
☐ Bonded Fiber Matrix	
☒ Fiber Reinforced Matrix	
☐ Erosion Control Blankets	
☐ Surface Roughening (e.g. tracking)	
☐ Other:	

Wetland Avoidance

Will construction and/or erosion and sediment controls impinge on regulated wetlands? Yes ☒ No ☐ If yes, the structural and erosion and sediment controls have been included in the total project wetland impacts and have been included in the 404 permit process with the USACE.

5.3 (6): PROCEDURES FOR INSPECTIONS

- Inspections will be conducted at least once every 7 days.
- All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report.
- Silt fence will be inspected for depth of sediment and for tears to ensure the fabric is securely attached to the posts and that the posts are well anchored. Sediment buildup will be removed from the silt fence when it reaches 1/3 of the height of the silt fence.
- Sediment basins and traps will be checked. Sediment will be removed when depth reaches approximately 50 percent of the structure's capacity, and at the conclusion of the construction.
- Check dams will be inspected for stability. Sediment will be removed when depth reaches ½ the height of the dam.
- All seeded areas will be checked for bare spots, washouts, and vigorous growth free of significant weed infestations.
- Inspection and maintenance reports will be prepared on form DOT 298 for each site inspection, this form will also be used to document changes to the SWPPP. A copy of the completed inspection form will be filed with the SWPPP documents.
- The SDDOT Project Engineer and Contractor's Erosion Control Supervisor are responsible for inspections. Maintenance and repair activities are the responsibility of the Contractor. The SDDOT Project Engineer will complete the inspection and maintenance reports and distribute copies per the distribution instructions on DOT 298.

5.3 (7): POST CONSTRUCTION STORMWATER MANAGEMENT

Stormwater management will be handled by temporary controls outlined in "DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES" above, and any permanent controls needed to meet permanent stormwater management needs in the post construction period will be shown in the plans and noted as permanent.

5.3 (8): POLLUTION PREVENTION PROCEDURES

5.3 (8a): Spill Prevention and Response Procedures

➢ **Material Management**

- Housekeeping
  - Only needed products will be stored on-site by the Contractor.
  - Except for bulk materials, the Contractor will store all materials under cover and/or in appropriate containers.
  - Products must be stored in original containers and labeled.
  - Material mixing will be conducted in accordance with the Manufacturer's recommendations.
  - When possible, all products will be completely used before properly disposing of the container off-site.
  - The Manufacturer's directions for disposal of materials and containers will be followed.
  - The Contractor's site superintendent will inspect materials storage areas regularly to ensure proper use and disposal.
  - Dust generated will be controlled in an environmentally safe manner.

- Hazardous Materials
  - Products will be kept in original containers unless the container is not resealable and provide secondary containment as applicable.
  - Original labels and material safety data sheets will be retained in a safe place to relay important product information.
  - If surplus product must be disposed of, the Manufacturer's label directions for disposal will be followed.
  - Maintenance and repair of all equipment and vehicles involving oil changes, hydraulic system drain down, de-greasing operations, fuel tank drain down and removal, and other activities which may result in the accidental release of contaminants will be conducted on an impervious surface and under cover during wet weather to prevent the release of contaminants onto the ground.
  - Wheel wash water will be collected and allowed to settle out suspended solids prior to discharge. Wheel wash water will not be discharged directly into any stormwater system or stormwater treatment system.
  - Potential pH-modifying materials such as: bulk cement, cement kiln dust, fly ash, new concrete washings, concrete pumping, residuals from concrete saw cutting (either wet or dry), and mixer washout waters will be collected on site and managed to prevent contamination of stormwater runoff.

➢ **Spill Control Practices**

In addition to the previous housekeeping and management practices, the following practices will be followed for spill prevention and cleanup if needed.

- For all hazardous materials stored on site, the Manufacturer's recommended methods for spill cleanup will be clearly posted. Site personnel will be made aware of the procedures and the locations of the information and cleanup supplies.
- Appropriate cleanup materials and equipment will be maintained by the Contractor in the materials storage area on-site. As appropriate, equipment and materials may include items such as brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for cleanup purposes.
- All spills will be cleaned immediately after discovery and the materials disposed of properly.
- The spill area will be kept well-ventilated, and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- After a spill a report will be prepared describing the spill, what caused it, and the cleanup measures taken. The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring, as well as clean up instructions in the event of reoccurrences.
- The Contractor's site superintendent, responsible for day-to-day operations, will be the spill prevention and cleanup coordinator.

➢ **Spill Response**

The primary objective in responding to a spill is to quickly contain the material(s) and prevent or minimize migration into stormwater runoff and conveyance systems. If the release has impacted on-site stormwater, it is critical to contain the released materials on-site and prevent their release into receiving waters. If a spill of pollutants threatens stormwater or surface water at the site, the spill response procedures outlined below must be implemented in a timely manner to prevent the release of pollutants.

- The Contractor's site superintendent will be notified immediately when a spill or the threat of a spill is observed. The superintendent will assess the situation and determine the appropriate response.
- If spills represent an imminent threat of escaping erosion and sediment controls and entering receiving waters, personnel will be directed to respond immediately to contain the release and notify the superintendent after the situation has been stabilized.
- Spill kits containing appropriate materials and equipment for spill response and cleanup will be maintained by the Contractor at the site.
- If oil sheen is observed on surface water (e.g., settling ponds, detention ponds, swales), action will be taken immediately to remove the material causing the sheen. The Contractor will use appropriate materials to contain and absorb the spill. The source of the oil sheen will also be identified and removed or repaired as necessary to prevent further releases.
- If a spill occurs the superintendent or the superintendent's designee will be responsible for completing the spill reporting form and for reporting the spill to SDDANR.
- Personnel with primary responsibility for spill response and cleanup will receive training by the Contractor's site superintendent or designee. The training must include identifying the location of the spill kits and other spill response equipment and the use of spill response materials.
- Spill response equipment will be inspected and maintained as necessary to replace any materials used in spill response activities.

5.3 (8b): WASTE MANAGEMENT PROCEDURES

➢ **Waste Disposal**

- All liquid waste materials will be collected and stored in approved sealed containers. All trash and construction debris from the site will be deposited in the approved containers. Containers will be serviced as necessary, and the trash will be hauled to an approved disposal site or licensed landfill. All onsite personnel will be instructed in the proper procedures for waste disposal and notices stating proper practices will be posted. The Contractor is responsible for ensuring waste disposal procedures are followed.

➢ **Hazardous Waste**

- All hazardous waste materials will be disposed of in a manner specified by local or state regulations or by the Manufacturer. Site personnel will be instructed in these practices, and the Contractor will be responsible for seeing that these practices are followed.

➢ **Sanitary Waste**

- Portable sanitary facilities will be provided on all construction sites. Sanitary waste will be collected from the portable units which must be secured to prevent tipping and serviced in a timely manner by a licensed waste management Contractor or as required by any local regulations.

5.3 (9): CONSTRUCTION SITE POLLUTANTS

The following materials or substances are expected to be present on the site during the construction period. These materials will be handled as noted under the heading "POLLUTION PREVENTION PROCEDURES" (check all that apply).

- ☒ Concrete and Portland Cement
- ☐ Detergents
- ☒ Paints
- ☒ Metals
- ☐ Bituminous Materials
- ☒ Petroleum Based Products
- ☐ Diesel Exhaust Fluid
- ☐ Cleaning Solvents
- ☒ Wood
- ☐ Cure
- ☐ Texture
- ☐ Chemical Fertilizers
- ☐ Other:

Product Specific Practices

- **Petroleum Products**
  All on-site vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled.

- **Fertilizers**
  Fertilizers will be applied only in the amounts specified by the SDDOT. Once applied, fertilizers will be worked into the soil to limit the exposure to stormwater. Fertilizers will be stored in an enclosed area. The contents of partially used fertilizer bags will be transferred to sealable containers to avoid spills.

- **Paints**
  All containers will be tightly sealed and stored when not required for use. The excess will be disposed of according to the Manufacturer's instructions and any applicable state and local regulations.

- **Concrete Trucks**
  Contractors will provide designated truck washout facilities on the site. These areas must be self-contained and not connected to any stormwater outlet of the site. Upon completion of construction, the area at the washout facility will be properly stabilized.

5.3 (10): NON-STORMWATER DISCHARGES

The following non-stormwater discharges are anticipated during the course of this project (check all that apply).

- ☐ Discharges from water line flushing.
- ☐ Pavement wash-water, where no spills or leaks of toxic or hazardous materials have occurred.
- ☒ Uncontaminated ground water associated with dewatering activities.

5.3 (11): INFEASIBILITY DOCUMENTATION

If it is determined to be infeasible to comply with any of the requirements of the Stormwater Permit, the infeasibility determination must be thoroughly documented in the SWPPP.

7.0: SPILL NOTIFICATION

In the event of a spill, the Contractor's site superintendent will make the appropriate notification(s), consistent with the following procedures:

- A release or spill of a regulated substance (includes petroleum and petroleum products) must be reported to SDDANR immediately **if any one of the following** conditions exists:
  - The release or spill threatens or is able to threaten waters of the state (surface water or ground water)
  - The release or spill causes an immediate danger to human health or safety
  - The release or spill exceeds 25 gallons
  - The release or spill causes a sheen on surface water
  - The release or spill of any substance that exceeds the ground water quality standards of ARSD Chapter 74:54:01
  - The release or spill of any substance that exceeds the surface water quality standards of ARSD Chapter 74:51:01
  - The release or spill of any substance that harms or threatens to harm wildlife or aquatic life
  - The release or spill is required to be reported according to Superfund Amendments and Reauthorization Act (SARA) Title III List of Lists, Consolidated List of Chemicals Subject to Reporting Under the Emergency Planning and Community Right to Know Act, US Environmental Protection Agency.

- To report a release or spill, call SDDANR at (605) 773-3296 during regular office hours (8 a.m. to 5 p.m. Central Standard Time). To report the release after hours, on weekends or holidays, call South Dakota Emergency Management at (605) 773-3231. Reporting the release to SDDANR does not meet any obligation for reporting to other state, local, or federal agencies. Therefore, you must also contact local authorities to determine the local reporting requirements for releases. A written report of the unauthorized release of any regulated substance, including quantity discharged, and the location of the discharge will be sent to SDDANR within 14 days of the discharge.

5.4: SWPPP CERTIFICATIONS

➢ **Certification of Compliance with Federal, State, and Local Regulations**

The Storm Water Pollution Prevention Plan (SWPPP) for this project reflects the requirements of all local municipal jurisdictions for storm water management and sediment and erosion control as established by ordinance, as well as other state and federal requirements for sediment and erosion control plans, permits, notices or documentation as appropriate.

➢ **South Dakota Department of Transportation**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____

Authorized Signature (See the General Permit, Section 7.4 (1))

➢ **Prime Contractor**

This section is to be executed by the General Contractor after the award of the contract. This section may be executed any time there is a change in the Prime Contractor of the project.

I certify under penalty of law that this document and all attachments will be revised or maintained under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____

Authorized Signature

CONTACT INFORMATION

The following personnel are duly authorized representatives and have signatory authority for modifications made to the SWPPP:

➢ **Contractor Information**:

- Prime Contractor Name: _____
- Contractor Contact Name: _____
- Address: _____
- _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **Erosion Control Supervisor**

- Name: _____
- Address: _____
- _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **SDDOT Project Engineer**

- Name: _____
- Business Address: _____
- Job Office Location: _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **SDDANR Contact Spill Reporting**
- Business Hours Monday-Friday (605) 773-3296
- Nights and Weekends (605) 773-3231

➢ **SDDANR Contact for Hazardous Materials.**
- (605) 773-3153

➢ **National Response Center Hotline**
- (800) 424-8802.

➢ **SDDANR Stormwater Contact Information**
- SDDANR Stormwater (800) 737-8676
- Surface Water Quality Program (605) 773-3351

5.5: REQUIRED SWPPP MODIFICATIONS

➢ **5.5 (1): Conditions Requiring SWPPP Modification**

The SWPPP must be modified, including the site map(s), in response to any of the following conditions:

- When a new operator responsible for implementation of any part the SWPPP begins work on the site.
- When changes to the construction plans, sediment and erosion control measures, or any best management practices on site that are no longer accurately reflected in the SWPPP. This includes changes made in response to corrective actions triggered by inspections.
- To reflect areas on the site map where operational control has been transferred (including the date of the transfer) or has been covered under a new permit since initiating coverage under this general permit.
- If inspections by site staff, local officials, SDDANR, or U.S. EPA determine that SWPPP modifications are necessary for compliance with the Stormwater Permit.
- To reflect any revisions to applicable federal, state, or local requirements that affect the control measures implemented at the site.
- If approved by the Secretary, to reflect any changes in chemical water treatment systems or controls, including the use of a different water treatment chemical, age rates, different areas, or methods of application.

➢ **5.5 (2): Deadlines for SWPPP Modification**

Any required revisions to the SWPPP must be completed within 7 calendar days following any of the items listed above.

➢ **5.5 (3): Documentation of Modifications to the Plan**

All SWPPP modification records are required to be maintained showing the dates of when the modification occurred. The records must include the name of the person authorizing each change and a brief summary of all changes.

➢ **5.5 (4): Certification Requirements**

All modifications made to the SWPPP must be signed and certified as required in Section 7.4.

➢ **5.5 (5): Required Notice to Other Operators**

If there are multiple operators at the site, the Contractor's Erosion Control Supervisor must notify each operator that may be impacted by the change to the SWPPP within 24 hours.

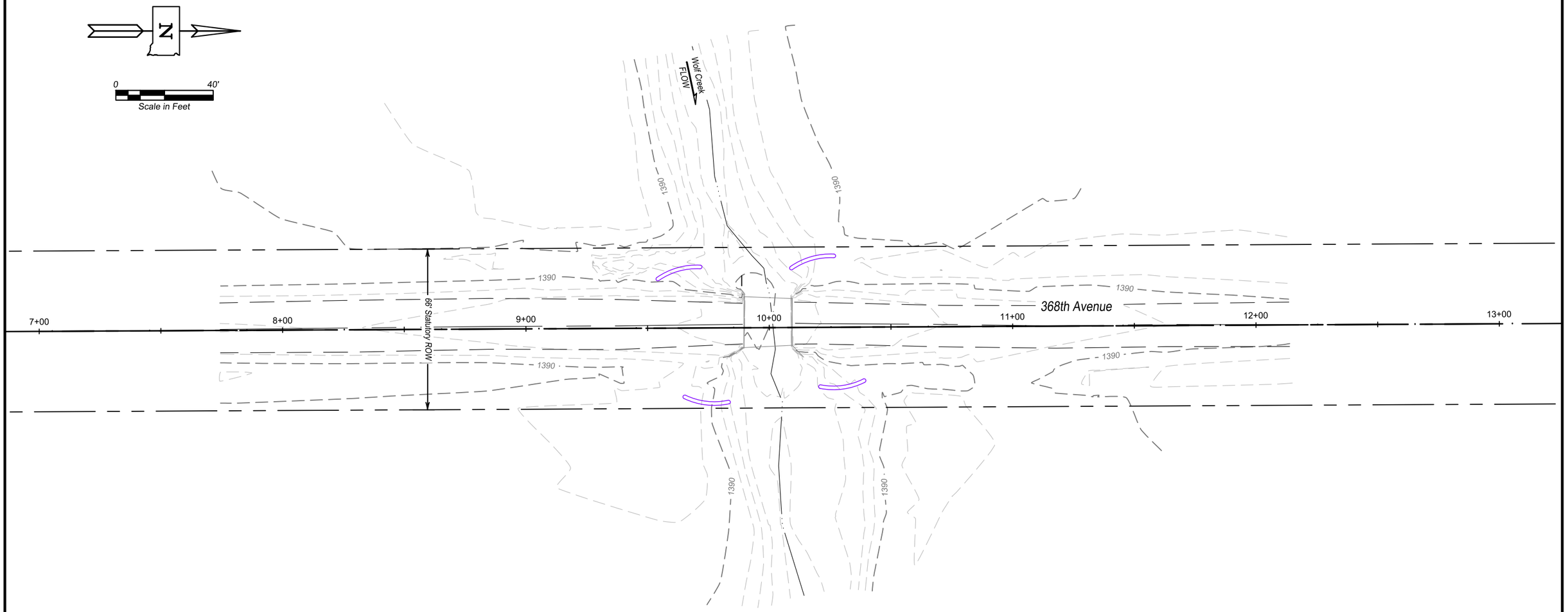
When modifications as described above occur, the SWPPP will be modified to provide appropriate protection to disturbed areas, all storm water structures, and adjacent waters. The SDDOT Project Engineer will modify the SWPPP using the DOT 298 form and drawings on the plan will be modified to reflect the needed changes. Copies of the DOT 298 forms and the SWPPP will be retained on site in a designated place for review throughout the course of the project. A copy of the DOT 298 form will be given to the Contractor Erosion Control Supervisor and a copy will be emailed to the SDDOT Environmental Section in accordance with the DOT 298 Form.

The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

TEMPORARY EROSION AND SEDIMENT CONTROL

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(25)	62	80



NOTES:
1. Stockpiles will be 10' from edge of bank.
2. Contractor is responsible for temporary erosion control for stockpiles.
3. Minimize exposed soil.
4. Waters of the United States are regulated by the Corps of Engineers.

EROSION CONTROL LEGEND	
Erosion Control Wattle	

TEMPORARY EROSION CONTROL WATTLES		
Sta. 9+62	24' Lt.	20'
Sta. 9+74	32' Rt.	20'
Sta. 10+17	28' Lt.	20'
Sta. 10+30	25' Rt.	20'
	Additional Quantity	20'
	Total	100'

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

Plotted on: 6/16/25 2:12:47 PM Plotted by: Justin M. Pump
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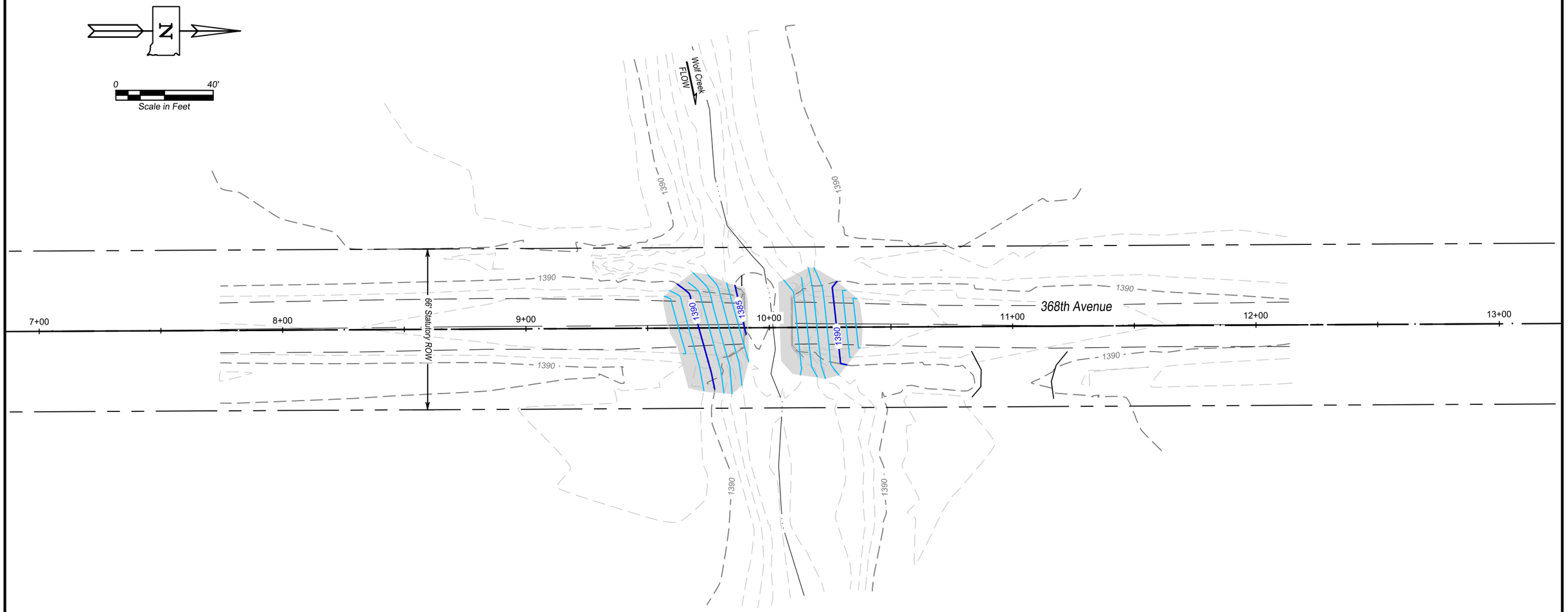
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

PERMANENT EROSION AND SEDIMENT CONTROL

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(25)	63	80



NOTES:

1. Stabilization measures must begin within 24 hours of when earth disturbing activities have ceased.

EROSION CONTROL LEGEND	
Fiber Reinforced Matrix	

FIBER REINFORCED MATRIX			
Sta. 9+56	to	Sta. 9+91	90 Lb.
Sta. 10+04	to	Sta. 10+38	90 Lb.
		Additional Quantity	15 Lb.
		Total	195 Lb.

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

Plotted on: 6/16/25 2:12:52 PM Plotted by: Justin M. Pump
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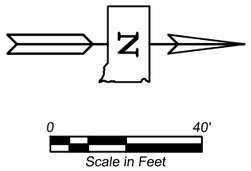
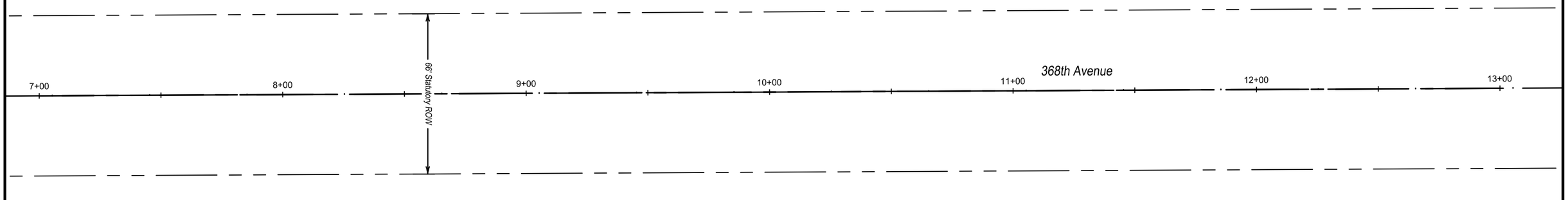
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

HORIZONTAL AND VERTICAL CONTROL DATA

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(25)	64	80





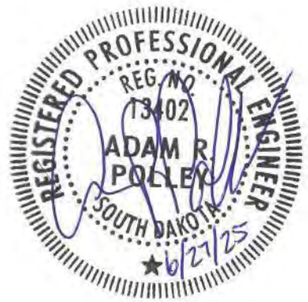
NOTE: Coordinates shown on this sheet are based on the South Dakota State Plane Coordinate System, North Zone (NAD 83-2011)

HORIZONTAL/VERTICAL CONTROL POINTS

Point	Sta.	Offset	Northing (y)	Easting (x)	Elevation (z)	Description
CP 1	-	-	294421.62	2274134.36	1402.67	5/8" Rebar
CP 2	-	-	289058.13	2274162.24	1401.13	5/8" Rebar

HORIZONTAL ALIGNMENT DATA

Type	Sta.	Length	Direction	Northing (y)	Easting(x)
PI 1	7+00			289554.54	2274159.66
		300.00'	N00°17'51.95"W		
PI 2	10+00			289854.54	2274158.10
		300.00'	N00°17'52.00"W		
PI 3	13+00			290154.53	2274156.54



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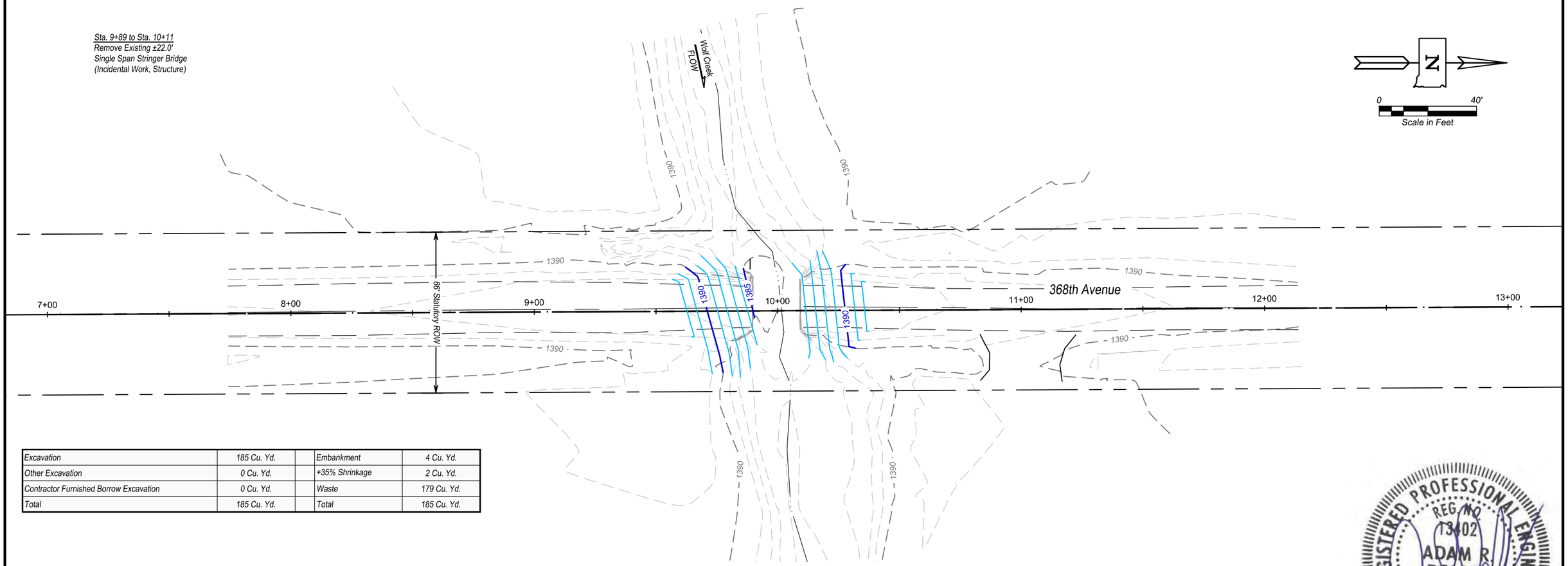
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

PLAN AND PROFILE

FOR BIDDING PURPOSES ONLY

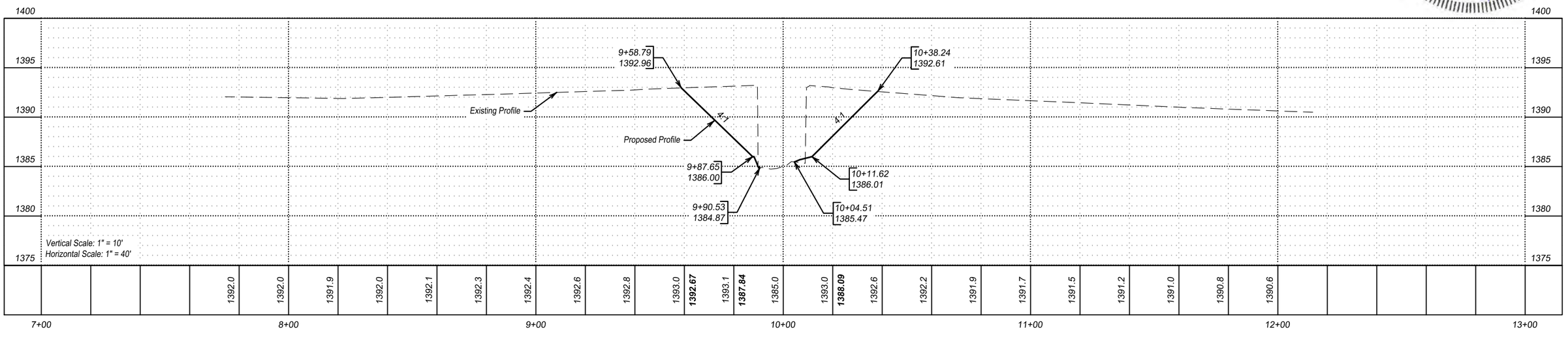
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(25)	65	80

Sta. 9+89 to Sta. 10+11
Remove Existing ±22.0'
Single Span Stringer Bridge
(Incidental Work, Structure)



Excavation	185 Cu. Yd.		Embankment	4 Cu. Yd.
Other Excavation	0 Cu. Yd.		+35% Shrinkage	2 Cu. Yd.
Contractor Furnished Borrow Excavation	0 Cu. Yd.		Waste	179 Cu. Yd.
Total	185 Cu. Yd.		Total	185 Cu. Yd.

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25



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Plotted by: Justin M. Pump

ROW LAYOUT

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(25)	66	80

Wolf Creek FLOW

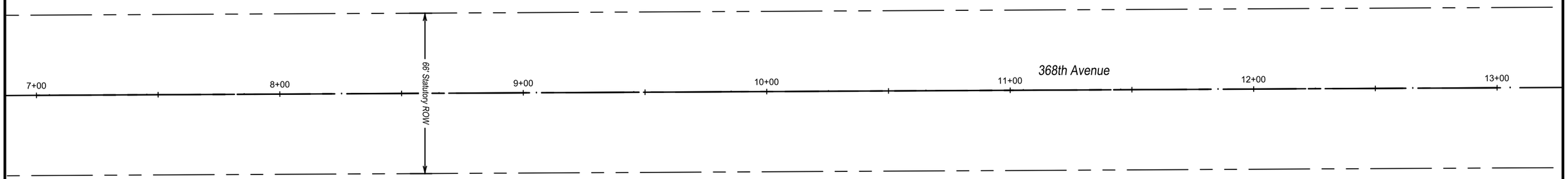
D Simons Farm LLC

The Southwest Quarter (SW1/4) of Section Six (6), Township One Hundred Thirteen (113) North, Range Sixty-Six (66) West of the 5th P.M., Hand County, South Dakota

N

0 40'

Scale in Feet



D Simons Farm LLC

The Southeast Quarter (SE1/4) of Section One (1), Township One Hundred Thirteen (113) North, Range Sixty-Seven (67) West of the 5th P.M., Hand County, South Dakota

Sta. 9+53 to Sta. 10+40
Work Limits are within ROW

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R POLLER
SOUTH DAKOTA
6/27/25

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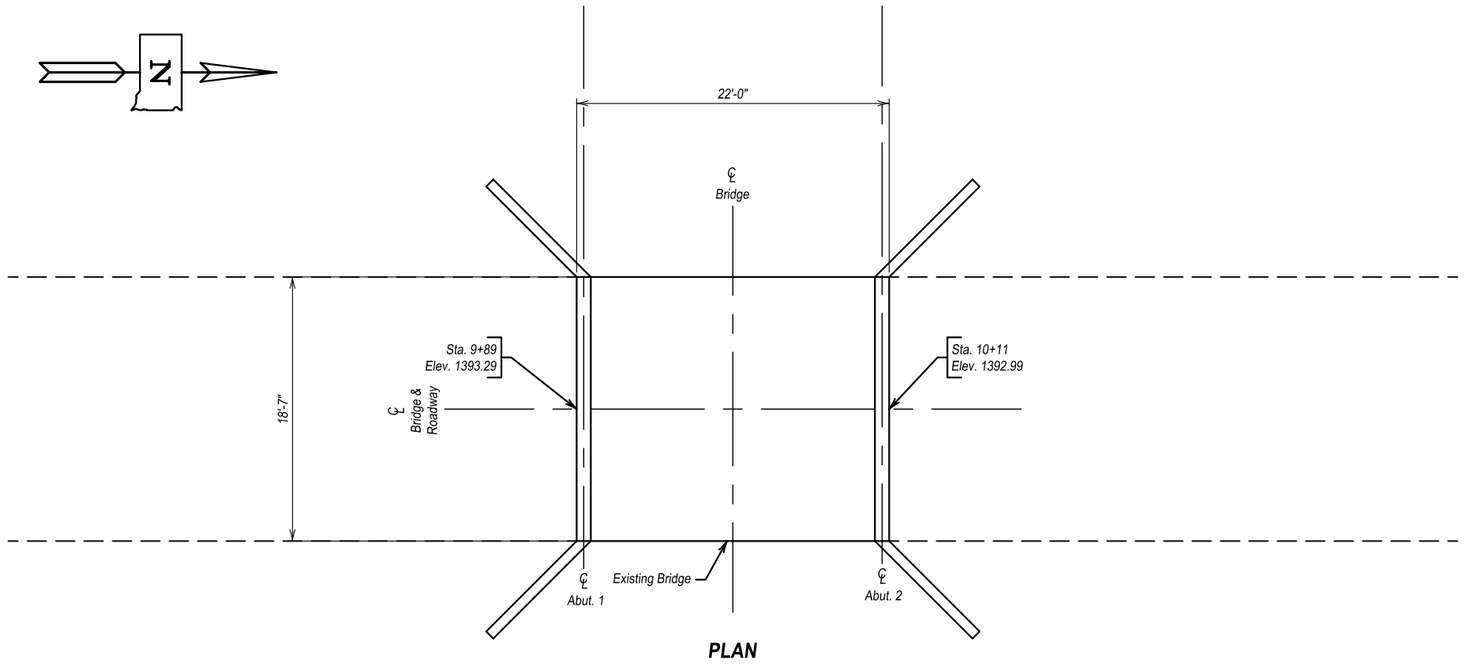
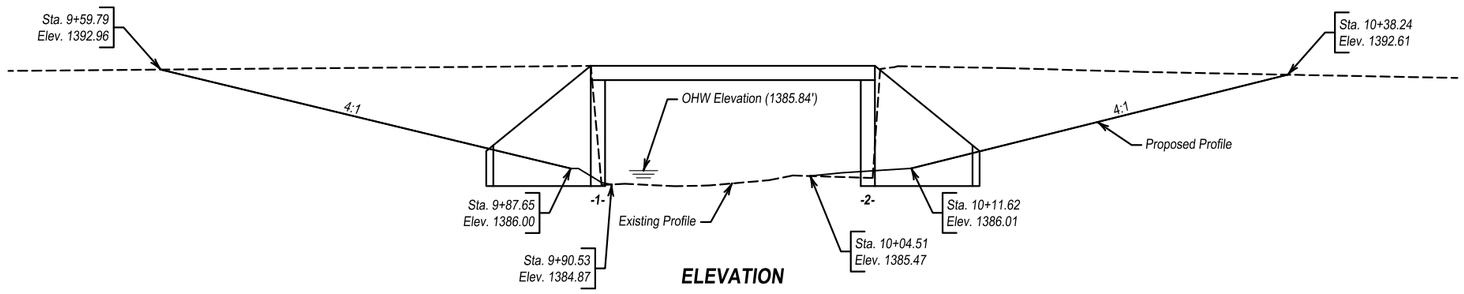
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(25)	67	80



PLAN



ELEVATION

ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
Incidental Work, Structure	LS	Lump Sum

INCIDENTAL WORK, STRUCTURE

1. In place is a 22.0' long, single span steel stringer bridge with a 18'-7" wide deck. The superstructure consists of nine (9) steel stringers. The deck consists of reinforced concrete. The corrugated metal forms for the deck were left in-place between the stringers. The abutments consist of reinforced concrete.
2. Break down and remove the existing bridge. All portions of the existing bridge will be removed and disposed of by the Contractor on a site obtained by the Contractor and approved by the Engineer in accordance with the Environmental Commitments found elsewhere in these plans.
3. The existing abutments and bents will be removed 1' below the bottom of the existing channel.
4. During demolition of the structure, efforts will be taken to prevent material from falling into the creek.
5. The foregoing is a general description of the in-place bridge and should not be construed to be complete in all details. Before preparing the bid, it will be the responsibility of the Contractor to make a visual inspection of the structure to verify the extents of the work and materials involved.
6. Costs associated with the foregoing work will be incidental to the contract lump sum price for "Incidental Work, Structure".

LAYOUT FOR REMOVAL

FOR

22.0' STEEL GIRDER BRIDGE

368TH AVENUE
TURTLE CREEK
STA. 10+00.00
30-240-188
PCN 09A1

0° SKEW
SEC. 1/6-T113N-R66/67W
BRO-B 8030(25)

HAND COUNTY
S.D. DEPT. OF TRANSPORTATION
JUNE 2025

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLER
SOUTH DAKOTA
6/27/25

1 OF 1

PLANS BY: IMEG

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED
ARP	RCW	JMP	BRIDGE ENGINEER

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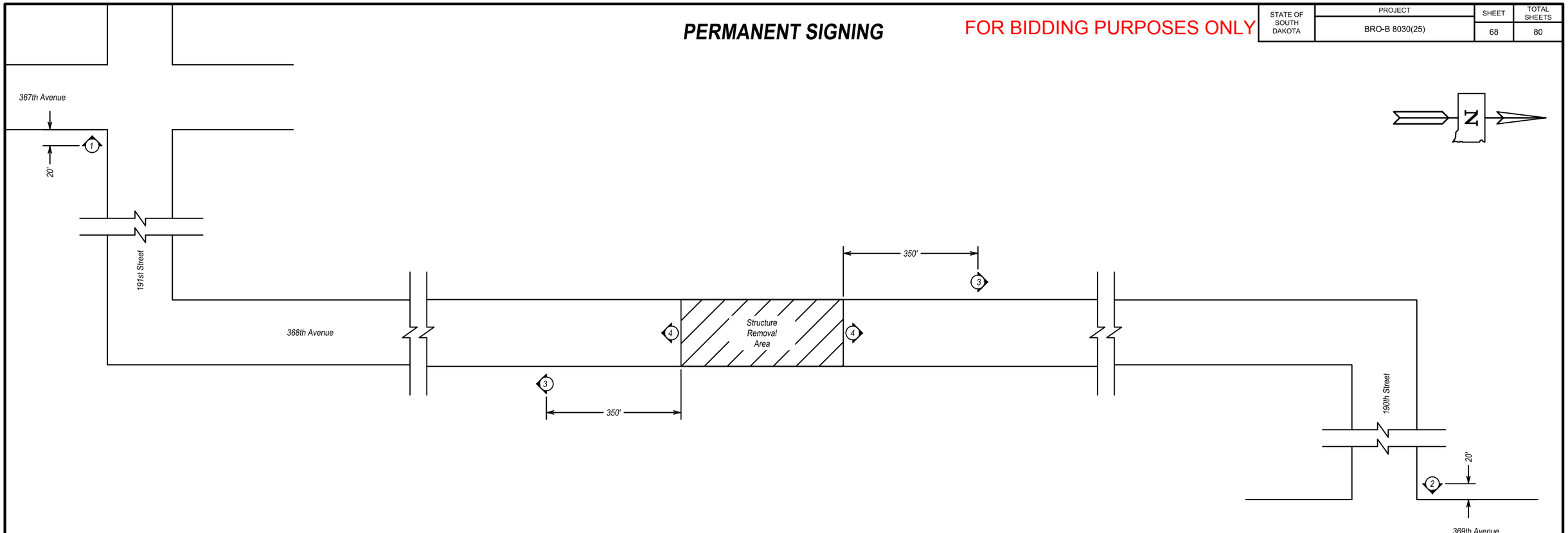
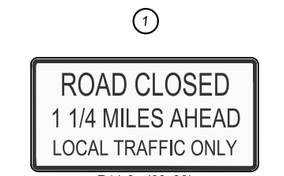
PERMANENT SIGNING

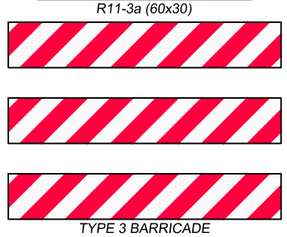
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(25)	68	80



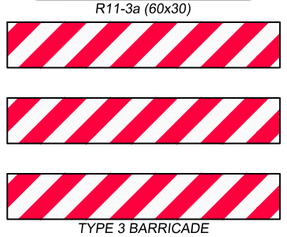


R11-3a (60x30)



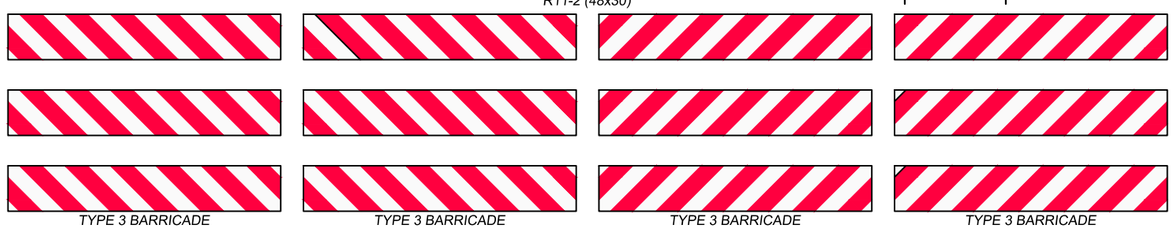
TYPE 3 BARRICADE
(Double Sided)

R11-3a (60x30)



TYPE 3 BARRICADE
(Double Sided)

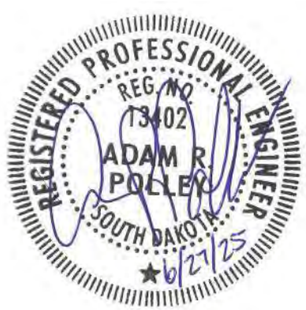
R11-2 (48x30)



TYPE 3 BARRICADE | TYPE 3 BARRICADE | TYPE 3 BARRICADE | TYPE 3 BARRICADE

TABLE OF PERMANENT SIGNS

SIGN CODE	SIGN DESCRIPTION	CONVENTIONAL ROAD NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R11-2	ROAD CLOSED	2	48" x 30"	10.0	20.0
R11-3a	ROAD CLOSED 1/4 MILES AHEAD LOCAL TRAFFIC ONLY	1	60" x 30"	12.5	12.5
R11-3a	ROAD CLOSED 3/4 MILES AHEAD LOCAL TRAFFIC ONLY	1	60" x 30"	12.5	12.5
W20-3	ROAD CLOSED AHEAD	2	48" x 48"	16.0	32.0
		CONVENTIONAL ROAD PERMANENT SIGNS SQFT			77.0

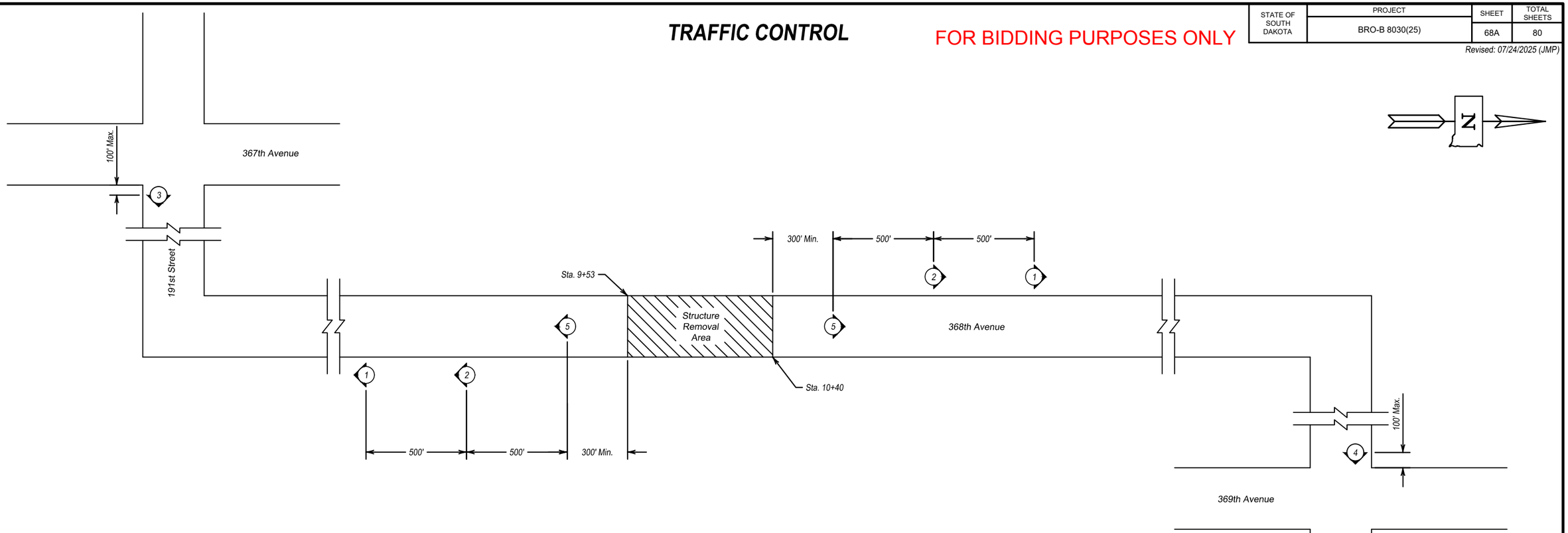


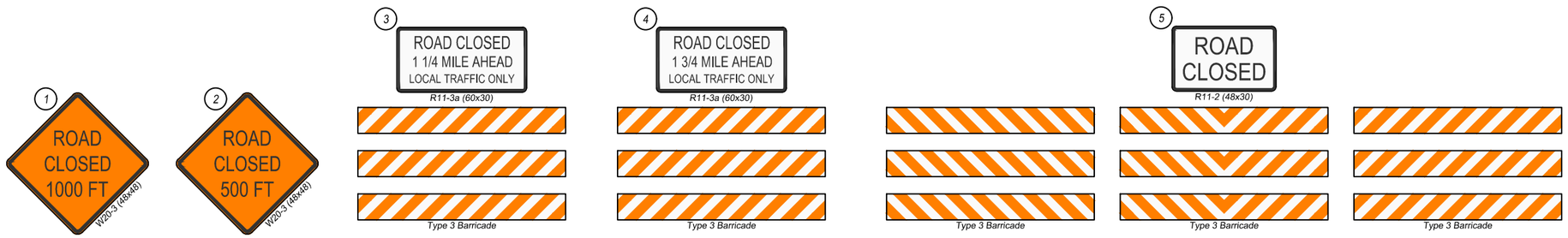
TRAFFIC CONTROL

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8030(25)	68A	80

Revised: 07/24/2025 (JMP)





ITEMIZED LIST FOR TRAFFIC CONTROL SIGNS

SIGN CODE	SIGN DESCRIPTION	CONVENTIONAL ROAD NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R11-3	ROAD CLOSED	2	48" x 30"	10.0	20.0
R11-3a	ROAD CLOSED 1 1/4 MILES AHEAD LOCAL TRAFFIC ONLY	1	60" x 30"	12.5	12.5
R11-3a	ROAD CLOSED 1 3/4 MILES AHEAD LOCAL TRAFFIC ONLY	1	60" x 30"	12.5	12.5
W20-3	ROAD CLOSED 500 FT	2	48" x 48"	16.0	32.0
W20-3	ROAD CLOSED 1000 FT	2	48" x 48"	16.0	32.0
		CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT			109.0

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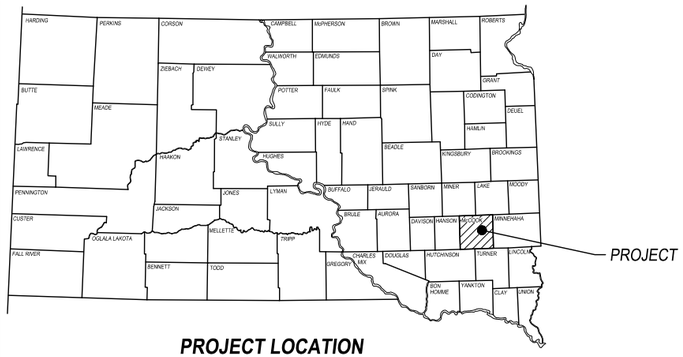


PROJECT LOCATION

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8044(15)	69	80

Revised: 07/24/2025 (JMP)

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

PROJECT BRO-B 8044(15)
MCCOOK COUNTY

STRUCTURE REMOVAL
44-091-040
PCN 09A2

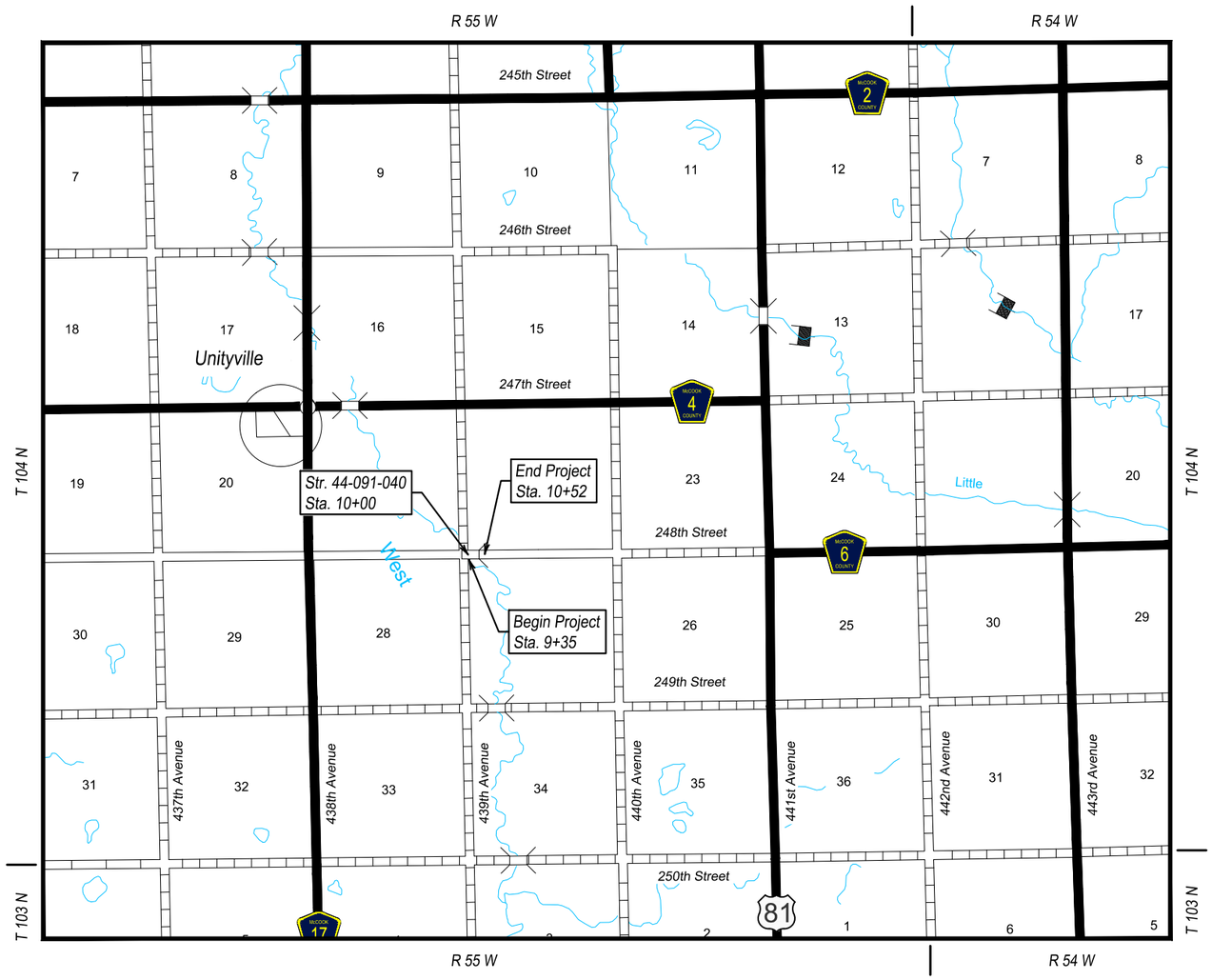
INDEX OF SHEETS

DESIGN DESIGNATION

ADT (2020)	5
ADT (2040)	7
DHV	1
d	50%
T DHV	3.6%
T ADT	8.0%

STORM WATER PERMIT

Major Stream:	West Fork Vermillion River
Area Disturbed:	0.07 Acres
Project Area:	0.13 Acres
Latitude:	N 43.7896°
Longitude:	W -97.4282°



LOCATION MAP

COUNTY OFFICIALS

Highway Superintendent	Travis Raap 331 W. Norton Avenue Salem, SD 57058 Phone: (605) 425-2731
Commissioners	Chuck Mehlbrech Steve Gordon Tom Heumiller Marc Dick Charles Liesinger

Know what's **below.**
Call before you dig.

IMEG

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
7/24/25

Plotted on: 7/24/25 3:16:16 PM
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Plotted by: Justin M. Pump

STORMWATER POLLUTION PREVENTION PLAN CHECKLIST

*(The numbers left of the title headings are **reference numbers** to the GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES (Stormwater Permit))*

5.3 (2): STAFF TRAINING/SWPPP IMPLEMENTATION

To promote stormwater management awareness specific for this project, the Contractor's Erosion Control Supervisor should provide correspondence of how the SWPPP will be implemented. The Contractor's Erosion Control Supervisor is responsible for providing this information at the preconstruction meeting, and subsequently completing an attendance log, which should identify site-specific implementation of the SWPPP and the names of the personnel who attended the preconstruction meeting. Documentation of the preconstruction meeting will be filed with the SWPPP documents.

5.3 (3): DESCRIPTION OF CONSTRUCTION ACTIVITIES

- **5.3 (3a): Project Limits** (See Title Sheet)
- **5.3 (3a): Project Description** (See Title Sheet)
- **5.3 (4): Site Map(s)** (See Title Sheet and Plans)
- **Major Soil Disturbing Activities** (check all that apply)
  - ☒ Clearing and grubbing
  - ☒ Excavation/borrow
  - ☒ Grading and shaping
  - ☐ Filling
  - ☐ Other (describe):
- **5.3 (3b): Total Project Area:** 0.13 Acres
- **5.3 (3b): Total Area to be Disturbed:** 0.07 Acres
- **5.3 (3c): Maximum Area Disturbed at One Time:** 0.07 Acres
- **5.3 (3d): Existing Vegetative Cover (%):** 75
- **5.3 (3d): Description of Vegetative Cover:** Tree, Shrub, and Herbaceous Species
- **5.3 (3e): Soil Properties:** Unknown
- **5.3 (3f): Name of Receiving Water Body/Bodies:** West Fork of the Vermillion River
- **5.3 (3g): Location of Construction Support Activity Areas:** N/A

5.3 (3h): ORDER OF CONSTRUCTION ACTIVITIES

The Contractor will enter the Estimated Start Date.

Description	Estimated Start Date
Install perimeter protection where runoff may exit site.	
Install perimeter protection around stockpiles.	
Install channel and ditch bottom protection.	
Clearing and grubbing.	
Remove and stockpile topsoil.	
Stabilize disturbed areas.	
Final grading.	
Removal of protection devices.	
Reseed areas disturbed by removal activities.	

5.3 (5): DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES

All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report. Include the technical reasoning for selecting each control. (check all that apply)

Perimeter Controls (See Detail Plan Sheets)

Description	Estimated Start Date
☒ Natural Buffers (within 50 ft of Waters of State)	
☐ Silt Fence	
☒ Erosion Control Wattles	
☐ Temporary Berm / Windrow	
☒ Floating Silt Curtain	
☐ Stabilized Construction Entrances	
☐ Entrance/Exit Equipment Tire Wash	
☐ Other:	

Structural Erosion and Sediment Controls

Description	Estimated Start Date
☐ Silt Fence	
☐ Temporary Berm/Windrow	
☐ Erosion Control Wattles	
☐ Temporary Sediment Barriers	
☐ Erosion Bales	
☐ Temporary Slope Drain	
☐ Turf Reinforcement Mat	
☐ Riprap	
☐ Gabions	
☐ Rock Check Dams	
☐ Sediment Traps/Basins	
☐ Culvert Inlet Protection	
☐ Transition Mats	
☐ Median/Area Drain Inlet Protection	
☐ Curb Inlet Protection	
☐ Interceptor Ditch	
☐ Concrete Washout Facility	
☐ Work Platform	
☐ Temporary Water Barrier	
☐ Temporary Water Crossing	
☐ Permanent Stormwater Ponds	
☐ Permanent Open Vegetated Swales	
☐ Natural Depressions to allow for Infiltration	
☐ Sequential Systems that combine several practices	
☐ Other:	

Dust Controls

Description	Estimated Start Date
☐ Tarps & Wind impervious fabrics	
☐ Watering	
☐ Stockpile location/orientation	
☐ Dust Control Chlorides	
☐ Other:	

Dewatering BMPs

Description	Estimated Start Date
☐ Sediment Basins	
☐ Dewatering bags	
☐ Weir tanks	
☐ Temporary Diversion Channel	
☐ Other:	

Stabilization Practices (See Detail Plan Sheets)

(Stabilization measures will begin the following workday whenever earth disturbing activity on any portion of the site has temporarily or permanently ceased. Temporary stabilization will be completed as soon as practicable but no later than 14 days after initiating soil stabilization activities (3.18))

Description	Estimated Start Date
☐ Vegetation Buffer Strips	
☐ Temporary Seeding (Cover Crop Seeding)	
☒ Permanent Seeding	
☐ Sodding	
☐ Planting (Woody Vegetation for Soil Stabilization)	
☐ Mulching (Grass Hay or Straw)	
☐ Fiber Mulching (Wood Fiber Mulch)	
☐ Soil Stabilizer	
☐ Bonded Fiber Matrix	
☒ Fiber Reinforced Matrix	
☐ Erosion Control Blankets	
☐ Surface Roughening (e.g. tracking)	
☐ Other:	

Wetland Avoidance

Will construction and/or erosion and sediment controls impinge on regulated wetlands? Yes ☒ No ☐ If yes, the structural and erosion and sediment controls have been included in the total project wetland impacts and have been included in the 404 permit process with the USACE.

5.3 (6): PROCEDURES FOR INSPECTIONS

- Inspections will be conducted at least once every 7 days.
- All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report.
- Silt fence will be inspected for depth of sediment and for tears to ensure the fabric is securely attached to the posts and that the posts are well anchored. Sediment buildup will be removed from the silt fence when it reaches 1/3 of the height of the silt fence.
- Sediment basins and traps will be checked. Sediment will be removed when depth reaches approximately 50 percent of the structure's capacity, and at the conclusion of the construction.
- Check dams will be inspected for stability. Sediment will be removed when depth reaches ½ the height of the dam.
- All seeded areas will be checked for bare spots, washouts, and vigorous growth free of significant weed infestations.
- Inspection and maintenance reports will be prepared on form DOT 298 for each site inspection, this form will also be used to document changes to the SWPPP. A copy of the completed inspection form will be filed with the SWPPP documents.
- The SDDOT Project Engineer and Contractor's Erosion Control Supervisor are responsible for inspections. Maintenance and repair activities are the responsibility of the Contractor. The SDDOT Project Engineer will complete the inspection and maintenance reports and distribute copies per the distribution instructions on DOT 298.

5.3 (7): POST CONSTRUCTION STORMWATER MANAGEMENT

Stormwater management will be handled by temporary controls outlined in "DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES" above, and any permanent controls needed to meet permanent stormwater management needs in the post construction period will be shown in the plans and noted as permanent.

5.3 (8): POLLUTION PREVENTION PROCEDURES

5.3 (8a): Spill Prevention and Response Procedures

➢ **Material Management**

- Housekeeping
  - Only needed products will be stored on-site by the Contractor.
  - Except for bulk materials, the Contractor will store all materials under cover and/or in appropriate containers.
  - Products must be stored in original containers and labeled.
  - Material mixing will be conducted in accordance with the Manufacturer's recommendations.
  - When possible, all products will be completely used before properly disposing of the container off-site.
  - The Manufacturer's directions for disposal of materials and containers will be followed.
  - The Contractor's site superintendent will inspect materials storage areas regularly to ensure proper use and disposal.
  - Dust generated will be controlled in an environmentally safe manner.

- Hazardous Materials
  - Products will be kept in original containers unless the container is not resealable and provide secondary containment as applicable.
  - Original labels and material safety data sheets will be retained in a safe place to relay important product information.
  - If surplus product must be disposed of, the Manufacturer's label directions for disposal will be followed.
  - Maintenance and repair of all equipment and vehicles involving oil changes, hydraulic system drain down, de-greasing operations, fuel tank drain down and removal, and other activities which may result in the accidental release of contaminants will be conducted on an impervious surface and under cover during wet weather to prevent the release of contaminants onto the ground.
  - Wheel wash water will be collected and allowed to settle out suspended solids prior to discharge. Wheel wash water will not be discharged directly into any stormwater system or stormwater treatment system.
  - Potential pH-modifying materials such as: bulk cement, cement kiln dust, fly ash, new concrete washings, concrete pumping, residuals from concrete saw cutting (either wet or dry), and mixer washout waters will be collected on site and managed to prevent contamination of stormwater runoff.

➢ **Spill Control Practices**

In addition to the previous housekeeping and management practices, the following practices will be followed for spill prevention and cleanup if needed.

- For all hazardous materials stored on site, the Manufacturer's recommended methods for spill cleanup will be clearly posted. Site personnel will be made aware of the procedures and the locations of the information and cleanup supplies.
- Appropriate cleanup materials and equipment will be maintained by the Contractor in the materials storage area on-site. As appropriate, equipment and materials may include items such as brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for cleanup purposes.
- All spills will be cleaned immediately after discovery and the materials disposed of properly.
- The spill area will be kept well-ventilated, and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- After a spill a report will be prepared describing the spill, what caused it, and the cleanup measures taken. The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring, as well as clean up instructions in the event of reoccurrences.
- The Contractor's site superintendent, responsible for day-to-day operations, will be the spill prevention and cleanup coordinator.

➢ **Spill Response**

The primary objective in responding to a spill is to quickly contain the material(s) and prevent or minimize migration into stormwater runoff and conveyance systems. If the release has impacted on-site stormwater, it is critical to contain the released materials on-site and prevent their release into receiving waters. If a spill of pollutants threatens stormwater or surface water at the site, the spill response procedures outlined below must be implemented in a timely manner to prevent the release of pollutants.

- The Contractor's site superintendent will be notified immediately when a spill or the threat of a spill is observed. The superintendent will assess the situation and determine the appropriate response.
- If spills represent an imminent threat of escaping erosion and sediment controls and entering receiving waters, personnel will be directed to respond immediately to contain the release and notify the superintendent after the situation has been stabilized.
- Spill kits containing appropriate materials and equipment for spill response and cleanup will be maintained by the Contractor at the site.
- If oil sheen is observed on surface water (e.g., settling ponds, detention ponds, swales), action will be taken immediately to remove the material causing the sheen. The Contractor will use appropriate materials to contain and absorb the spill. The source of the oil sheen will also be identified and removed or repaired as necessary to prevent further releases.
- If a spill occurs the superintendent or the superintendent's designee will be responsible for completing the spill reporting form and for reporting the spill to SDDANR.
- Personnel with primary responsibility for spill response and cleanup will receive training by the Contractor's site superintendent or designee. The training must include identifying the location of the spill kits and other spill response equipment and the use of spill response materials.
- Spill response equipment will be inspected and maintained as necessary to replace any materials used in spill response activities.

5.3 (8b): WASTE MANAGEMENT PROCEDURES

➢ **Waste Disposal**

- All liquid waste materials will be collected and stored in approved sealed containers. All trash and construction debris from the site will be deposited in the approved containers. Containers will be serviced as necessary, and the trash will be hauled to an approved disposal site or licensed landfill. All onsite personnel will be instructed in the proper procedures for waste disposal and notices stating proper practices will be posted. The Contractor is responsible for ensuring waste disposal procedures are followed.

➢ **Hazardous Waste**

- All hazardous waste materials will be disposed of in a manner specified by local or state regulations or by the Manufacturer. Site personnel will be instructed in these practices, and the Contractor will be responsible for seeing that these practices are followed.

➢ **Sanitary Waste**

- Portable sanitary facilities will be provided on all construction sites. Sanitary waste will be collected from the portable units which must be secured to prevent tipping and serviced in a timely manner by a licensed waste management Contractor or as required by any local regulations.

5.3 (9): CONSTRUCTION SITE POLLUTANTS

The following materials or substances are expected to be present on the site during the construction period. These materials will be handled as noted under the heading "POLLUTION PREVENTION PROCEDURES" (check all that apply).

- ☒ Concrete and Portland Cement
- ☐ Detergents
- ☒ Paints
- ☒ Metals
- ☐ Bituminous Materials
- ☒ Petroleum Based Products
- ☐ Diesel Exhaust Fluid
- ☐ Cleaning Solvents
- ☒ Wood
- ☐ Cure
- ☐ Texture
- ☐ Chemical Fertilizers
- ☐ Other:

Product Specific Practices

- **Petroleum Products**
  All on-site vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled.

- **Fertilizers**
  Fertilizers will be applied only in the amounts specified by the SDDOT. Once applied, fertilizers will be worked into the soil to limit the exposure to stormwater. Fertilizers will be stored in an enclosed area. The contents of partially used fertilizer bags will be transferred to sealable containers to avoid spills.

- **Paints**
  All containers will be tightly sealed and stored when not required for use. The excess will be disposed of according to the Manufacturer's instructions and any applicable state and local regulations.

- **Concrete Trucks**
  Contractors will provide designated truck washout facilities on the site. These areas must be self-contained and not connected to any stormwater outlet of the site. Upon completion of construction, the area at the washout facility will be properly stabilized.

5.3 (10): NON-STORMWATER DISCHARGES

The following non-stormwater discharges are anticipated during the course of this project (check all that apply).

- ☐ Discharges from water line flushing.
- ☐ Pavement wash-water, where no spills or leaks of toxic or hazardous materials have occurred.
- ☒ Uncontaminated ground water associated with dewatering activities.

5.3 (11): INFEASIBILITY DOCUMENTATION

If it is determined to be infeasible to comply with any of the requirements of the Stormwater Permit, the infeasibility determination must be thoroughly documented in the SWPPP.

7.0: SPILL NOTIFICATION

In the event of a spill, the Contractor's site superintendent will make the appropriate notification(s), consistent with the following procedures:

- A release or spill of a regulated substance (includes petroleum and petroleum products) must be reported to SDDANR immediately **if any one of the following** conditions exists:
  - The release or spill threatens or is able to threaten waters of the state (surface water or ground water)
  - The release or spill causes an immediate danger to human health or safety
  - The release or spill exceeds 25 gallons
  - The release or spill causes a sheen on surface water
  - The release or spill of any substance that exceeds the ground water quality standards of ARSD Chapter 74:54:01
  - The release or spill of any substance that exceeds the surface water quality standards of ARSD Chapter 74:51:01
  - The release or spill of any substance that harms or threatens to harm wildlife or aquatic life
  - The release or spill is required to be reported according to Superfund Amendments and Reauthorization Act (SARA) Title III List of Lists, Consolidated List of Chemicals Subject to Reporting Under the Emergency Planning and Community Right to Know Act, US Environmental Protection Agency.

- To report a release or spill, call SDDANR at (605) 773-3296 during regular office hours (8 a.m. to 5 p.m. Central Standard Time). To report the release after hours, on weekends or holidays, call South Dakota Emergency Management at (605) 773-3231. Reporting the release to SDDANR does not meet any obligation for reporting to other state, local, or federal agencies. Therefore, you must also contact local authorities to determine the local reporting requirements for releases. A written report of the unauthorized release of any regulated substance, including quantity discharged, and the location of the discharge will be sent to SDDANR within 14 days of the discharge.

5.4: SWPPP CERTIFICATIONS

➢ **Certification of Compliance with Federal, State, and Local Regulations**

The Storm Water Pollution Prevention Plan (SWPPP) for this project reflects the requirements of all local municipal jurisdictions for storm water management and sediment and erosion control as established by ordinance, as well as other state and federal requirements for sediment and erosion control plans, permits, notices or documentation as appropriate.

➢ **South Dakota Department of Transportation**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____

Authorized Signature (See the General Permit, Section 7.4 (1))

➢ **Prime Contractor**

This section is to be executed by the General Contractor after the award of the contract. This section may be executed any time there is a change in the Prime Contractor of the project.

I certify under penalty of law that this document and all attachments will be revised or maintained under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____

Authorized Signature

CONTACT INFORMATION

The following personnel are duly authorized representatives and have signatory authority for modifications made to the SWPPP:

➢ **Contractor Information**:

- Prime Contractor Name: _____
- Contractor Contact Name: _____
- Address: _____
- _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **Erosion Control Supervisor**

- Name: _____
- Address: _____
- _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **SDDOT Project Engineer**

- Name: _____
- Business Address: _____
- Job Office Location: _____
- City: _____State: _____Zip: _____
- Office Phone: _____Field: _____
- Cell Phone: _____Fax: _____

➢ **SDDANR Contact Spill Reporting**
- Business Hours Monday-Friday (605) 773-3296
- Nights and Weekends (605) 773-3231

➢ **SDDANR Contact for Hazardous Materials.**
- (605) 773-3153

➢ **National Response Center Hotline**
- (800) 424-8802.

➢ **SDDANR Stormwater Contact Information**
- SDDANR Stormwater (800) 737-8676
- Surface Water Quality Program (605) 773-3351

5.5: REQUIRED SWPPP MODIFICATIONS

➢ **5.5 (1): Conditions Requiring SWPPP Modification**

The SWPPP must be modified, including the site map(s), in response to any of the following conditions:

- When a new operator responsible for implementation of any part the SWPPP begins work on the site.
- When changes to the construction plans, sediment and erosion control measures, or any best management practices on site that are no longer accurately reflected in the SWPPP. This includes changes made in response to corrective actions triggered by inspections.
- To reflect areas on the site map where operational control has been transferred (including the date of the transfer) or has been covered under a new permit since initiating coverage under this general permit.
- If inspections by site staff, local officials, SDDANR, or U.S. EPA determine that SWPPP modifications are necessary for compliance with the Stormwater Permit.
- To reflect any revisions to applicable federal, state, or local requirements that affect the control measures implemented at the site.
- If approved by the Secretary, to reflect any changes in chemical water treatment systems or controls, including the use of a different water treatment chemical, age rates, different areas, or methods of application.

➢ **5.5 (2): Deadlines for SWPPP Modification**

Any required revisions to the SWPPP must be completed within 7 calendar days following any of the items listed above.

➢ **5.5 (3): Documentation of Modifications to the Plan**

All SWPPP modification records are required to be maintained showing the dates of when the modification occurred. The records must include the name of the person authorizing each change and a brief summary of all changes.

➢ **5.5 (4): Certification Requirements**

All modifications made to the SWPPP must be signed and certified as required in Section 7.4.

➢ **5.5 (5): Required Notice to Other Operators**

If there are multiple operators at the site, the Contractor's Erosion Control Supervisor must notify each operator that may be impacted by the change to the SWPPP within 24 hours.

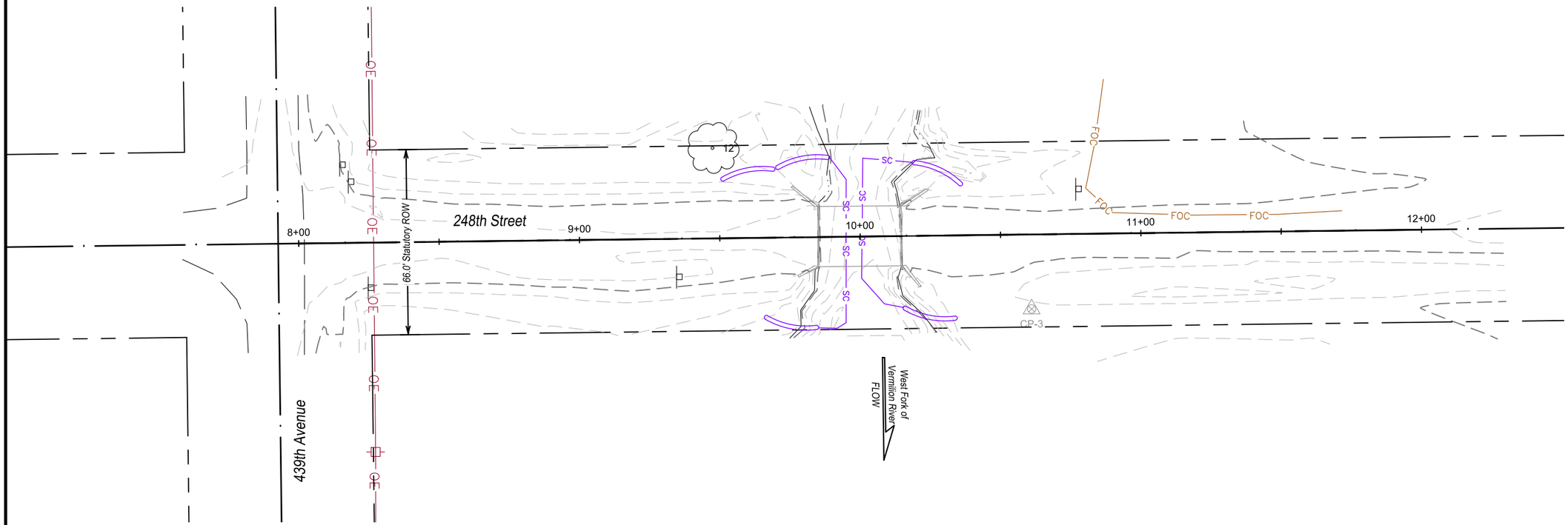
When modifications as described above occur, the SWPPP will be modified to provide appropriate protection to disturbed areas, all storm water structures, and adjacent waters. The SDDOT Project Engineer will modify the SWPPP using the DOT 298 form and drawings on the plan will be modified to reflect the needed changes. Copies of the DOT 298 forms and the SWPPP will be retained on site in a designated place for review throughout the course of the project. A copy of the DOT 298 form will be given to the Contractor Erosion Control Supervisor and a copy will be emailed to the SDDOT Environmental Section in accordance with the DOT 298 Form.

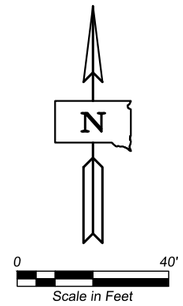
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

TEMPORARY EROSION AND SEDIMENT CONTROL

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8044(15)	74	80





NOTES:
1. Stockpiles will be 10' from edge of bank.
2. Contractor is responsible for temporary erosion control for stockpiles.
3. Minimize exposed soil.
4. Waters of the United States are regulated by the Corps of Engineers.

EROSION CONTROL LEGEND

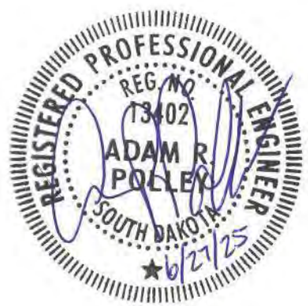
Floating Silt Curtain	SC
Erosion Control Wattle	

TEMPORARY EROSION CONTROL WATTLES

Sta. 9+60	24' Lt.	20'
Sta. 9+74	32' Rt.	20'
Sta. 9+80	28' Lt.	20'
Sta. 9+85	32' Rt.	20'
Sta. 10+24	29' Rt.	20'
Sta. 10+29	24' Lt.	20'
Additional Quantity		20'
Total		140'

FLOATING SILT CURTAIN

Sta. 9+85 - 32' Rt.	to	Sta. 9+89 - 29' Lt.	71'
Sta. 10+15 - 25' Rt.	to	Sta. 10+19 - 26' Lt.	79'
Additional Quantity			50'
Total			200'



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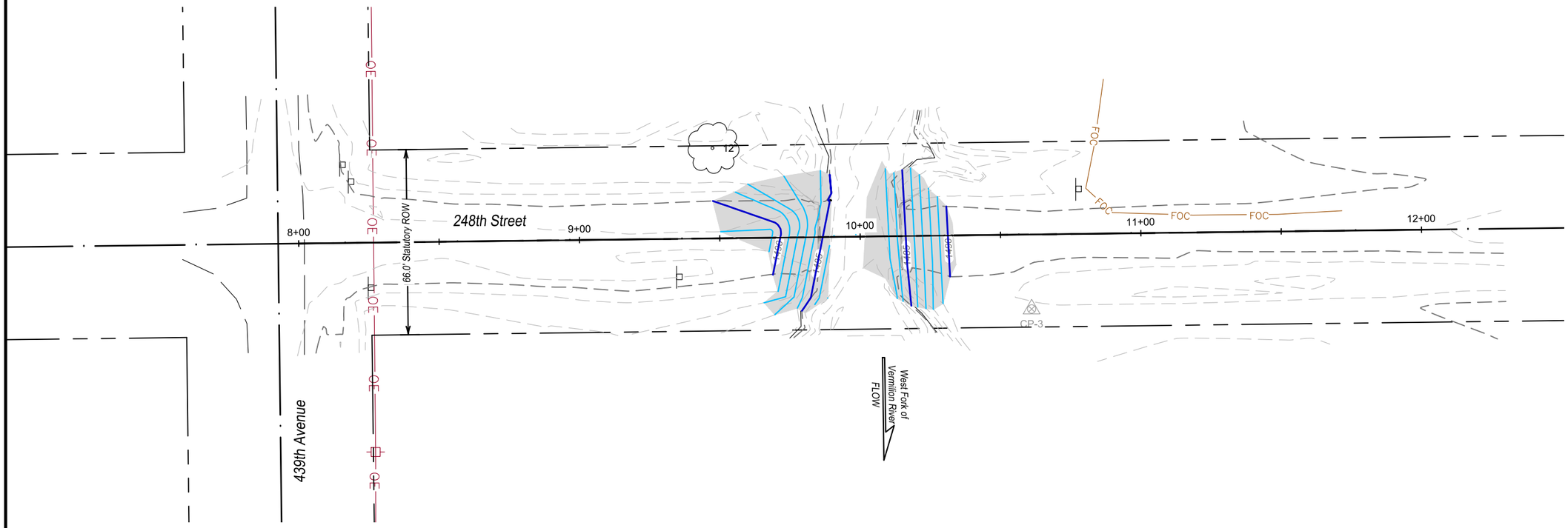
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

PERMANENT EROSION AND SEDIMENT CONTROL

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8044(15)	75	80



NOTES:

1. Stabilization measures must begin within 24 hours of when earth disturbing activities have ceased.

EROSION CONTROL LEGEND	
Fiber Reinforced Matrix	

FIBER REINFORCED MATRIX			
Sta. 9+48	to	Sta. 9+90	90 Lb.
Sta. 10+01	to	Sta. 10+34	90 Lb.
		Additional Quantity	15 Lb.
		Total	195 Lb.

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
6/27/25

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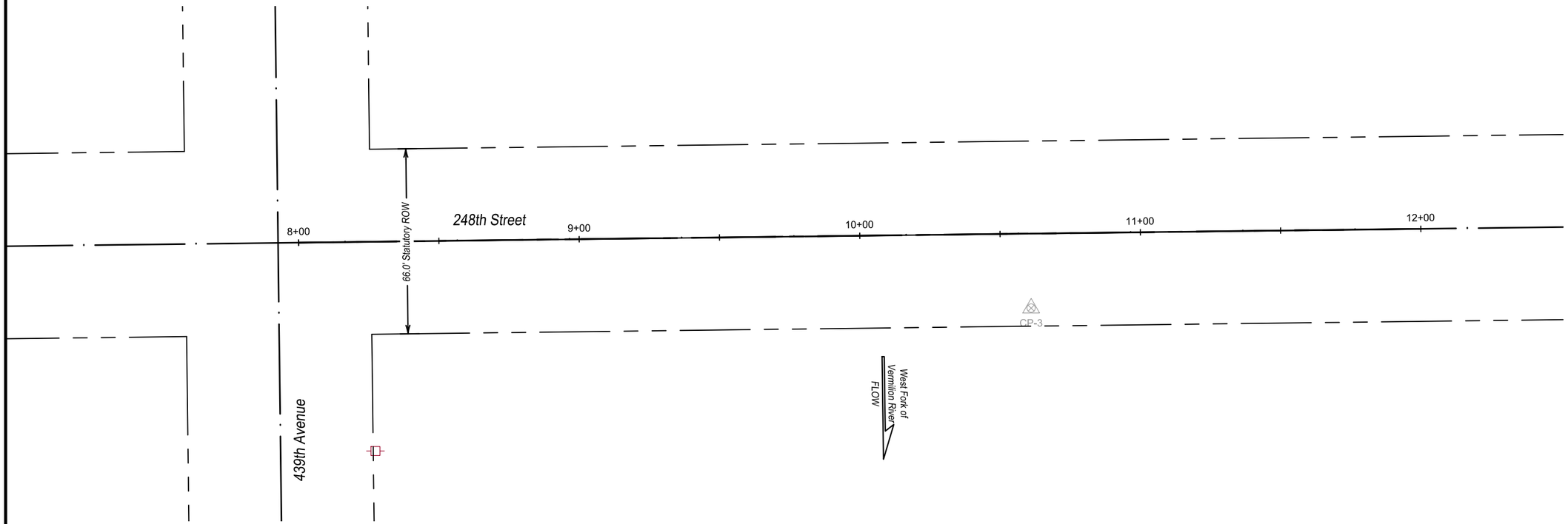
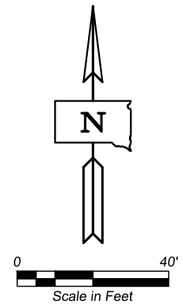
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

HORIZONTAL AND VERTICAL CONTROL DATA

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8044(15)	76	80





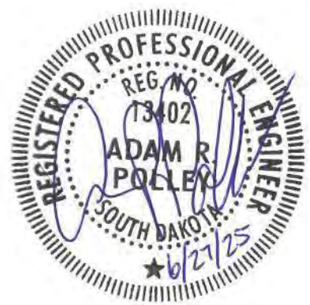
NOTE: Coordinates shown on this sheet are based on the South Dakota State Plane Coordinate System, South Zone (NAD 83/2011)

HORIZONTAL ALIGNMENT DATA

Type	Sta.	Length	Direction	Northing (y)	Easting (x)
PI 1	8+00			544231.84	2735632.03
		400.00'	N88°22'39.81"E		
PI 2	12+00			544220.52	2735232.19

HORIZONTAL/VERTICAL CONTROL POINTS

Point	Sta.	Offset	Northing (y)	Easting (x)	Elevation (z)	Description
CP 3	10+60.80	26.58' Rt.	544201.33	2735493.64	1489.57	5/8" Rebar



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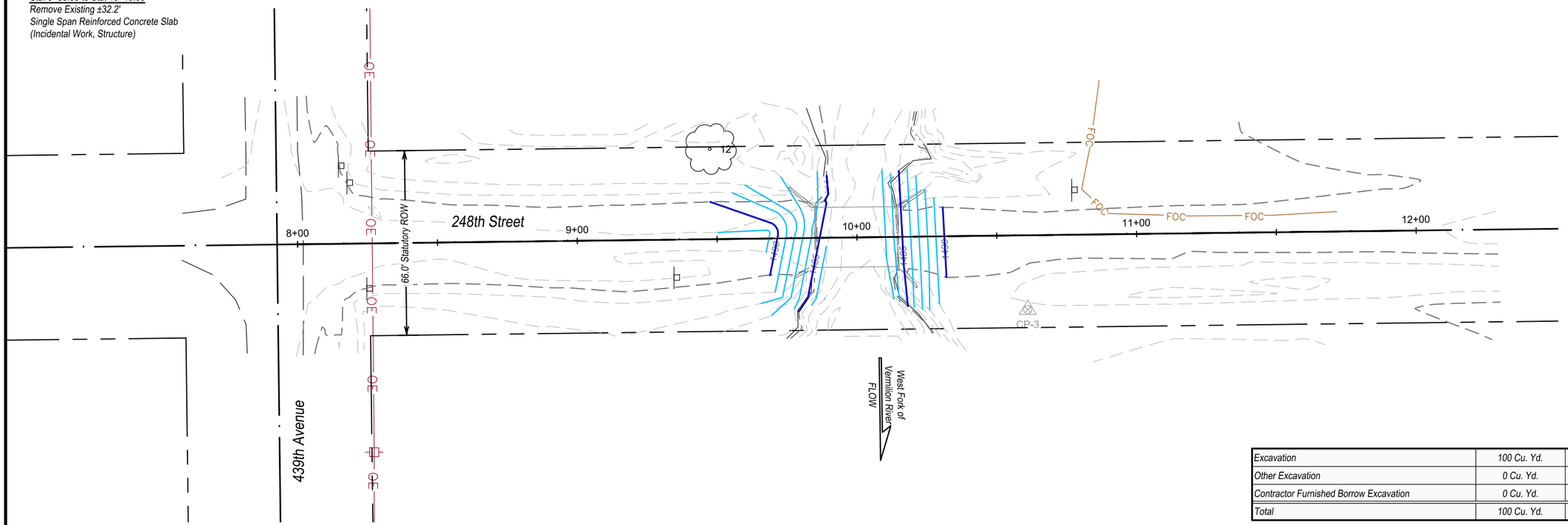
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

PLAN AND PROFILE

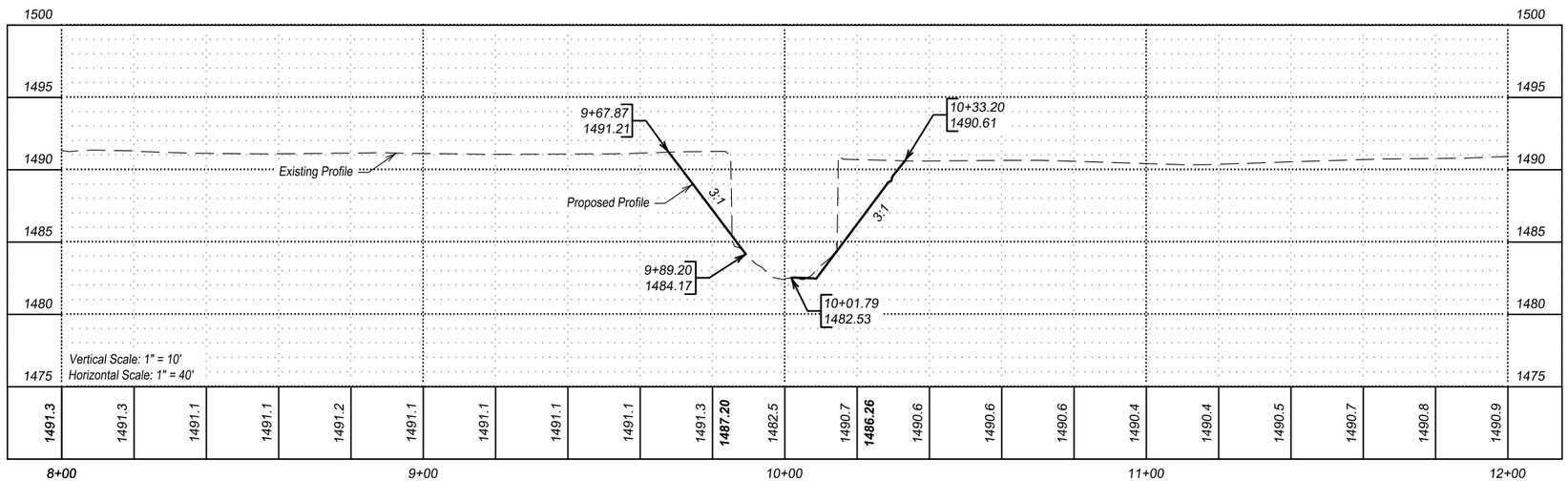
FOR BIDDING PURPOSES ONLY

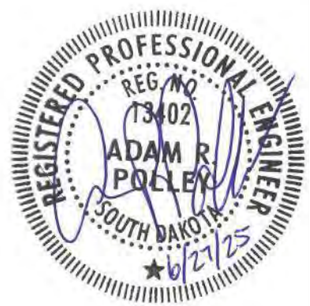
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8044(15)	77	80

Sta. 9+83.85 to Sta. 10+16.05
Remove Existing ±32.2'
Single Span Reinforced Concrete Slab
(Incidental Work, Structure)



Excavation	100 Cu. Yd.		Embankment	3 Cu. Yd.
Other Excavation	0 Cu. Yd.		+35% Shrinkage	1 Cu. Yd.
Contractor Furnished Borrow Excavation	0 Cu. Yd.		Waste	96 Cu. Yd.
Total	100 Cu. Yd.		Total	100 Cu. Yd.





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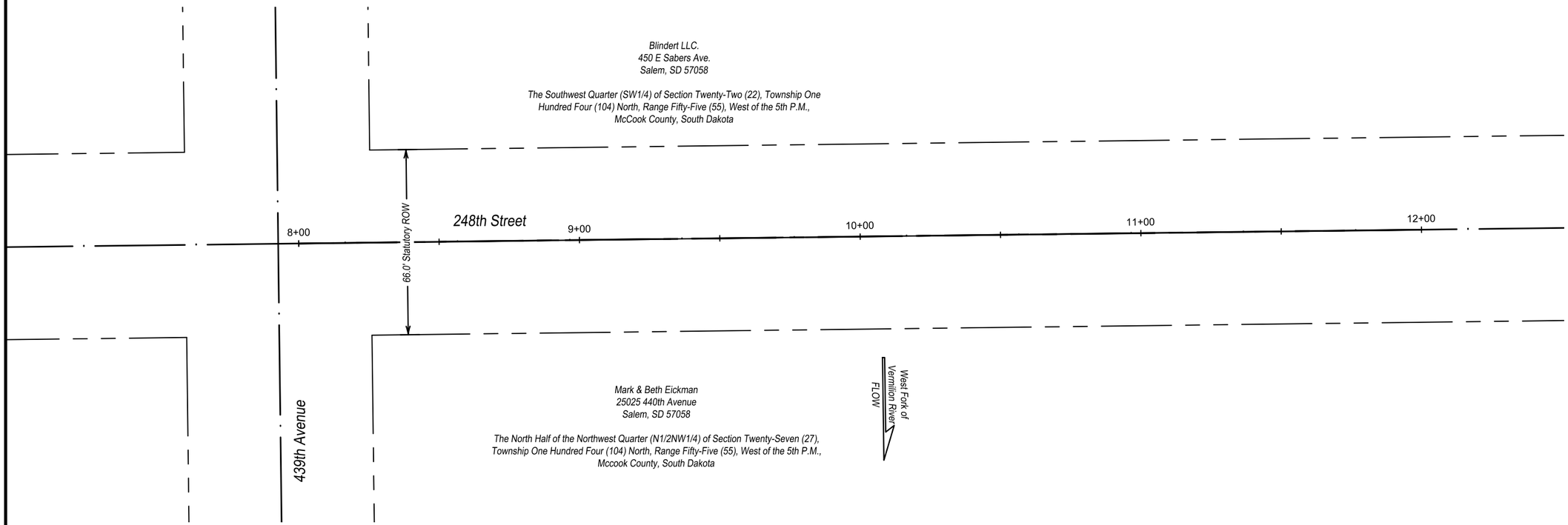
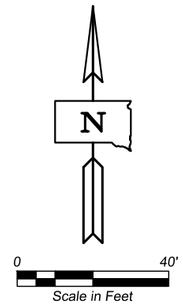
The elevations shown in these plans are based on the National Geodetic Survey (NGS) North American Vertical Datum of 1988 (NAVD88).

ROW LAYOUT

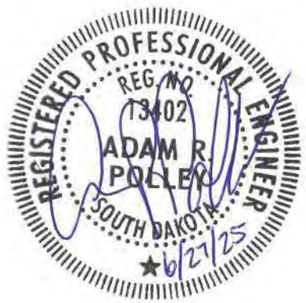
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8044(15)	78	80





Sta. 9+35 to Sta. 10+52
Work Limits are within ROW



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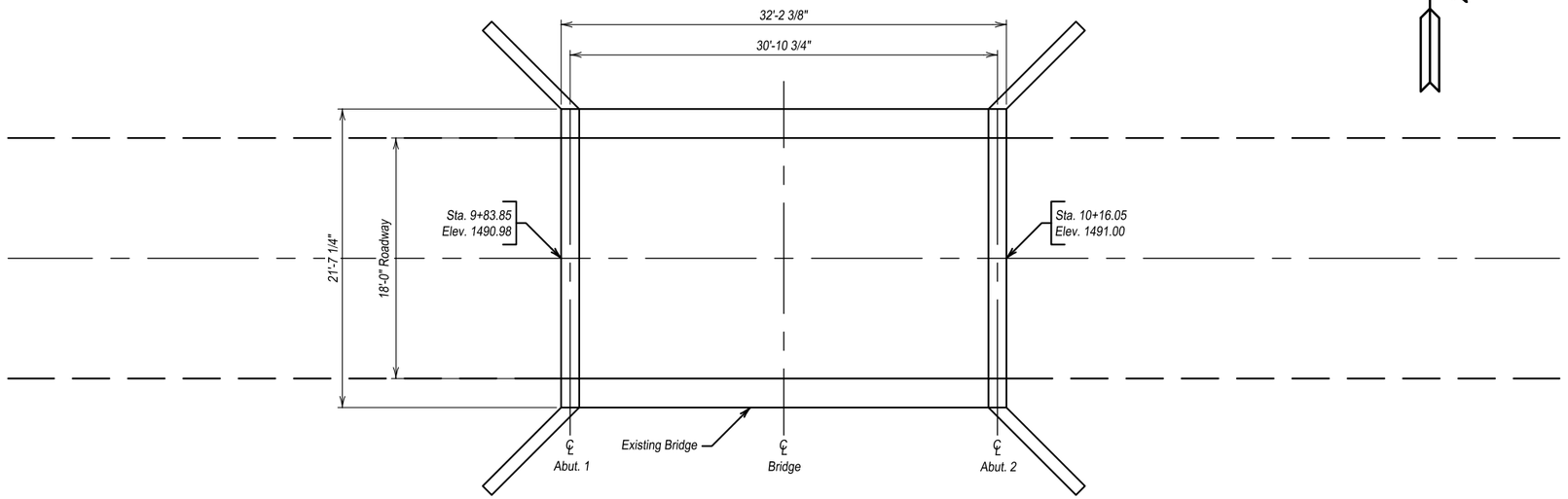
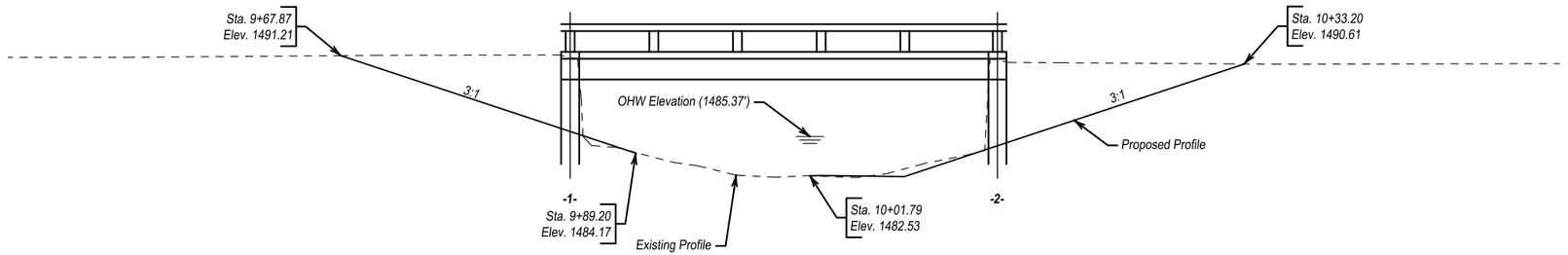
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8044(15)	79	80

Revised: 07/10/2025 (JMP)



PLAN



ELEVATION

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Incidental Work, Structure	LS	Lump Sum

INCIDENTAL WORK, STRUCTURE

1. In place is a 32.2' long, single span reinforced concrete slab deck. The abutments consist of reinforced concrete.
2. Break down and remove the existing bridge. All portions of the existing bridge will be removed and disposed of by the Contractor on a site obtained by the Contractor and approved by the Engineer in accordance with the Environmental Commitments found elsewhere in these plans.
3. The existing abutments and bents will be removed 1' below the bottom of the existing channel.
4. During demolition of the structure, efforts will be taken to prevent material from falling into the creek.
5. The foregoing is a general description of the in-place bridge and should not be construed to be complete in all details. Before preparing the bid, it will be the responsibility of the Contractor to make a visual inspection of the structure to verify the extents of the work and materials involved.
6. Costs associated with the foregoing work will be incidental to the contract lump sum price for "Incidental Work, Structure".

LAYOUT FOR REMOVAL

FOR

32.2' SINGLE SPAN CONCRETE SLAB

248TH STREET
WEST FORK VERMILLION RIVER
STA. 10+00.00
44-091-040
PCN 09A2

0° SKEW
SEC. 22/27-T104N-R55W
BRO-B 8044(15)

MCCOOK COUNTY
S.D. DEPT. OF TRANSPORTATION
JUNE 2025

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
7/24/25

1 OF 1

PLANS BY: IMEG

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED
ARP	RCW	JMP	BRIDGE ENGINEER

Plotted on: 7/10/25 12:10:37 PM
Plotted by: Justin M. Pump
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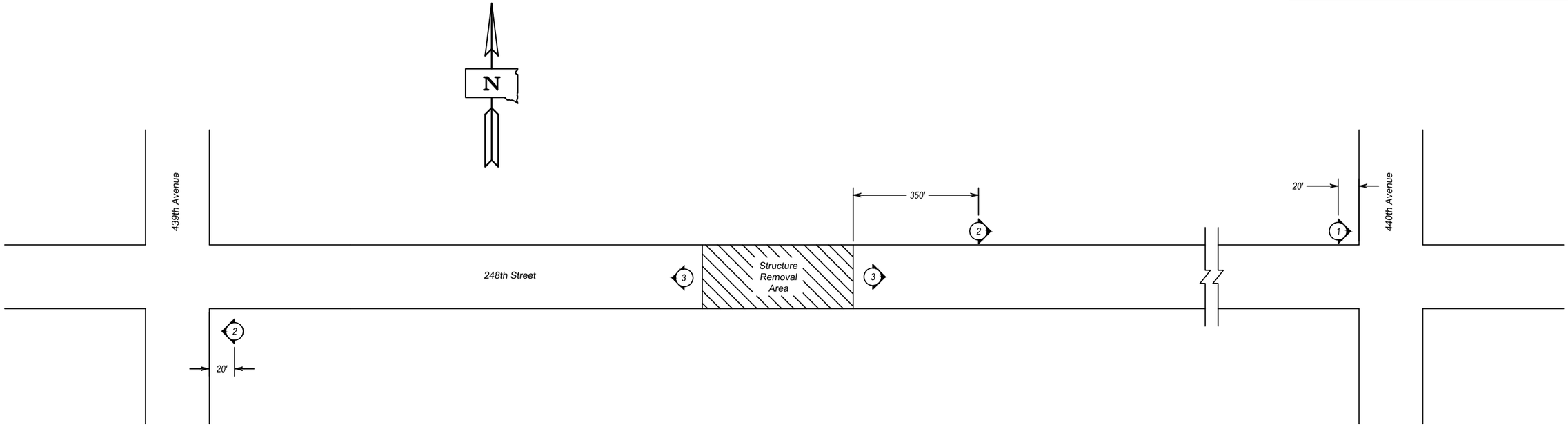
PERMANENT SIGNING

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8044(15)	80	80



1

Type 3 Barricade
(Double Sided)

2

3

Type 3 Barricade

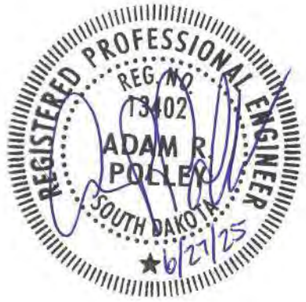
Type 3 Barricade

Type 3 Barricade

Type 3 Barricade

TABLE OF PERMANENT SIGNS

SIGN CODE	SIGN DESCRIPTION	CONVENTIONAL ROAD NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R11-2	ROAD CLOSED	2	48" x 30"	10.0	20.0
R11-3a	ROAD CLOSED 3/4 MILES AHEAD LOCAL TRAFFIC ONLY	1	60" x 30"	12.5	12.5
W20-3	ROAD CLOSED AHEAD	2	48" x 48"	16.0	32.0
		CONVENTIONAL ROAD PERMANENT SIGNS SQFT			64.5

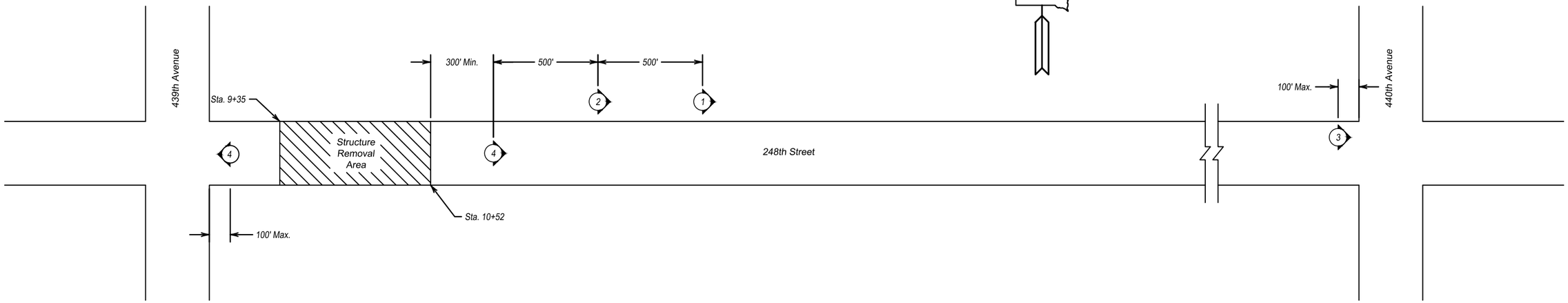


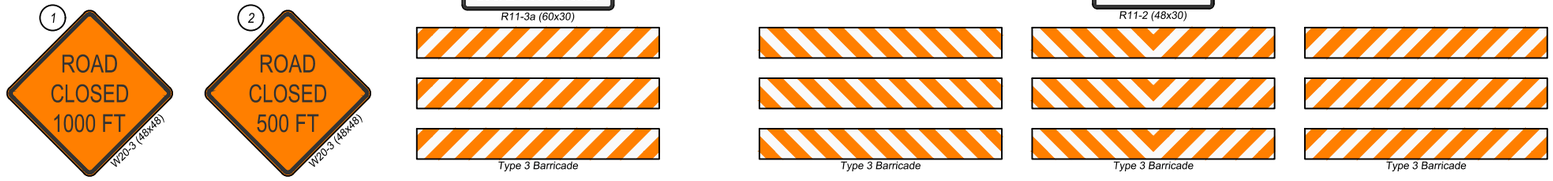
TRAFFIC CONTROL

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8044(15)	80A	80

Revised: 07/24/2025 (JMP)





ITEMIZED LIST FOR TRAFFIC CONTROL SIGNS

		CONVENTIONAL ROAD			
SIGN CODE	SIGN DESCRIPTION	NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R11-3	ROAD CLOSED	2	48" x 30"	10.0	20.0
R11-3a	ROAD CLOSED 3/4 MILES AHEAD LOCAL TRAFFIC ONLY	1	60" x 30"	12.5	12.5
W20-3	ROAD CLOSED 500 FT	1	48" x 48"	16.0	16.0
W20-3	ROAD CLOSED 1000 FT	1	48" x 48"	16.0	16.0
		CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT			64.5

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 13402
ADAM R. POLLEY
SOUTH DAKOTA
7/24/25

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Plotted by: Justin M. Pump
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