SECTION D: EROSION AND SEDIMENT CONTROL PLAN

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D1	D41

Plotting Date: 5/15/2025

INDEX OF SHEETS

END EM 0292(88)73
Station 106+06.35
located 1103.12 feet south and
1959.66 feet west of the northeast
corner of Section 18 -Township 100 North -
Range 50 West of the 5th P.M.
MRM (029 N) 75.17+0.032

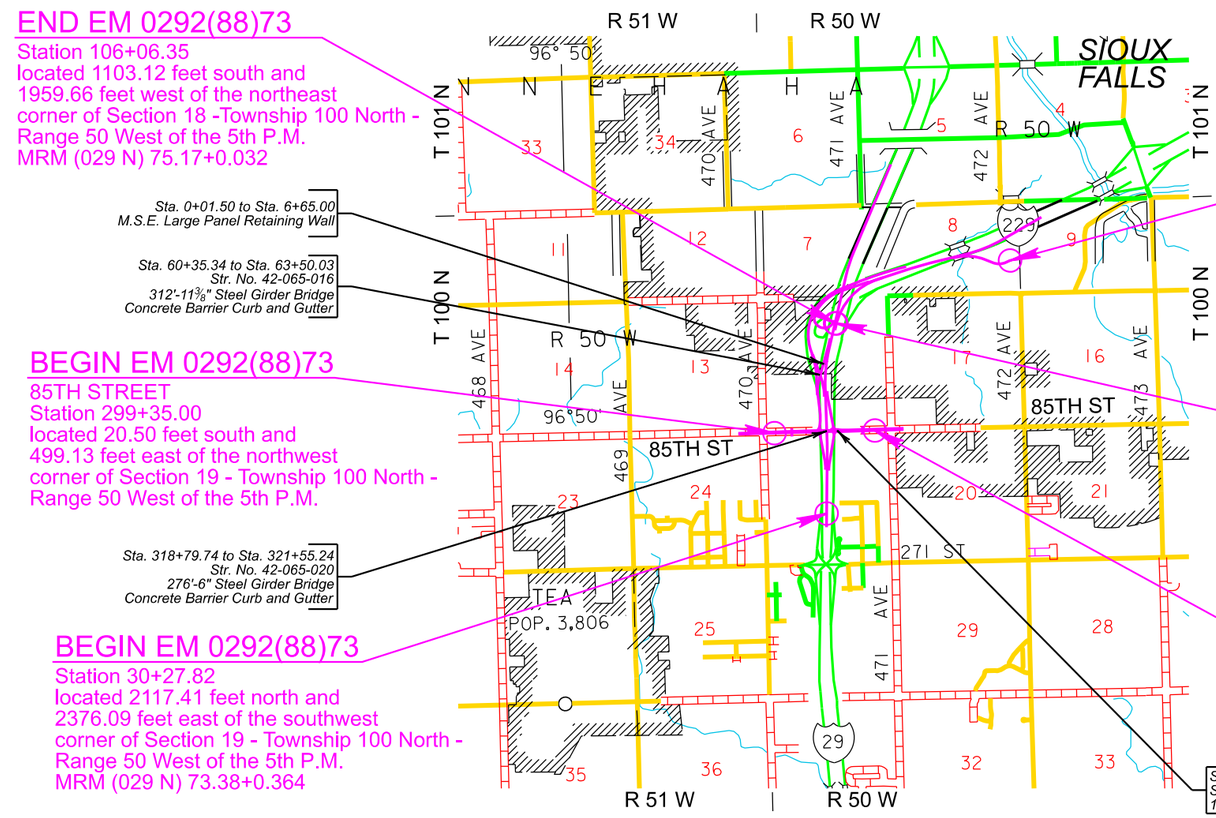
Sta. 0+01.50 to Sta. 6+65.00
M.S.E. Large Panel Retaining Wall

Sta. 60+35.34 to Sta. 63+50.03
Str. No. 42-065-016
312'-11⅜" Steel Girder Bridge
Concrete Barrier Curb and Gutter

BEGIN EM 0292(88)73
85TH STREET
Station 299+35.00
located 20.50 feet south and
499.13 feet east of the northwest
corner of Section 19 - Township 100 North -
Range 50 West of the 5th P.M.

Sta. 318+79.74 to Sta. 321+55.24
Str. No. 42-065-020
276'-6" Steel Girder Bridge
Concrete Barrier Curb and Gutter

BEGIN EM 0292(88)73
Station 30+27.82
located 2117.41 feet north and
2376.09 feet east of the southwest
corner of Section 19 - Township 100 North -
Range 50 West of the 5th P.M.
MRM (029 N) 73.38+0.364



END IM 2292(104)0
I-229 RAMP C LOUISE AVENUE
Station 43+87.81
located 1411.81 feet north and
4960.21 feet east of the southwest
corner of Section 8 -Township 100 North -
Range 50 West of the 5th P.M.
MRM (229 N1) 00.92+0.000

BEGIN IM 2292(104)0
I-229 RAMP B
Station 19+34.15
located 1115.22 feet south and
1906.32 feet west of the northeast
corner of Section 18 -Township 100 North -
Range 50 West of the 5th P.M.
MRM (229 N) 00.00+00.032

END EM 0292(88)73
85TH STREET
Station 339+30.00
located 33.11 feet south and
600.68 feet west of the northwest
corner of Section 20 - Township 100 North -
Range 50 West of the 5th P.M.

Sta. 324+45.77
Str. No. 42-066-020
11'x10' Box Culvert

REGISTERED PROFESSIONAL ENGINEER
REG. NO.
16819
JENNIFER A.
BALK
SOUTH DAKOTA
Jennifer A. Balk
5/16/2025

SEH

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SECTION D ESTIMATE OF QUANTITIES

PCN 06JQ

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	20.0	CuYd
110E1693	Remove Erosion Control Wattle	825	Ft
110E1700	Remove Silt Fence	2,980	Ft
120E6300	Water for Vegetation	12,529.5	MGal
230E0010	Placing Topsoil	24,188	CuYd
730E0100	Cover Crop Seeding	21.6	Bu
730E0206	Type D Permanent Seed Mixture	1,356	Lb
730E0212	Type G Permanent Seed Mixture	990	Lb
731E0200	Fertilizing	32.30	Ton
732E0300	Bonded Fiber Matrix	84.1	Ton
734E0044	Soil Stabilizer	43.1	Acre
734E0102	Type 2 Erosion Control Blanket	80,222	SqYd
734E0154	12" Diameter Erosion Control Wattle	3,220	Ft
734E0165	Remove and Reset Erosion Control Wattle	825	Ft
734E0180	Sediment Filter Bag	2,510	Ft
734E0325	Surface Roughening	8.0	Acre
734E0602	Low Flow Silt Fence	13,755	Ft
734E0610	Mucking Silt Fence	827	CuYd
734E0620	Repair Silt Fence	3,439	Ft
734E0845	Sediment Control at Inlet with Frame and Grate	32	Each
734E0847	Sediment Control at Type S Reinforced Concrete Drop Inlet	306	Ft
734E5005	Dewatering	Lump Sum	LS
734E5010	Sweeping	100	Hour
900E1310	Concrete Washout Facility	4	Each
900E1320	Construction Entrance	4	Each

PCN 07D0

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	3.2	CuYd
110E1693	Remove Erosion Control Wattle	350	Ft
110E1700	Remove Silt Fence	1,039	Ft
120E6300	Water for Vegetation	2,632.5	MGal
230E0010	Placing Topsoil	4,875	CuYd
730E0212	Type G Permanent Seed Mixture	236	Lb
731E0200	Fertilizing	6.80	Ton
732E0300	Bonded Fiber Matrix	17.7	Ton
734E0044	Soil Stabilizer	9.1	Acre
734E0154	12" Diameter Erosion Control Wattle	1,400	Ft
734E0165	Remove and Reset Erosion Control Wattle	350	Ft
734E0602	Low Flow Silt Fence	4,199	Ft
734E0610	Mucking Silt Fence	288	CuYd
734E0620	Repair Silt Fence	1,039	Ft
734E5005	Dewatering	Lump Sum	LS
734E5010	Sweeping	24	Hour
900E1310	Concrete Washout Facility	2	Each
900E1320	Construction Entrance	1	Each

MEDIAN AND RAISED ISLAND LANDSCAPING

See Section H for landscaping at raised medians and islands.

PLACING TOPSOIL

The thickness will be approximately 4 inches within the right-of-way and 6 inches on temporary easements. The topsoil thickness for the option borrow pits will be as stated on the option borrow pit sheets.

The estimated amount of topsoil to be placed is as follows:

TABLE OF TOPSOIL PLACEMENT (PCN 06JQ)

Alignment	Station	to	Station	Topsoil (CuYd)
I29	30+28.00		47+57.50	1,041
I29	36+92.09		47+38.72	745
I29	50+13.16		62+52.93	1,552
I29	50+01.57		62+52.93	2,414
I29	63+44.60		84+12.17	4,309
I29	63+44.60		76+23.76	1,563
EB85TH	299+29.38		305+88.20	121
EB85TH	306+62.54		315+50.00	447
WB85TH	399+29.73		405+90.34	135
WB85TH	406+60.67		415+47.26	535
EB85TH	324+75.00		334+38.88	624
EB85TH	334+38.88		339+29.98	276
WB85TH	424+75.60		434+38.15	614
WB85TH	434+38.15		439+29.26	171
RAMPB	20+00.00		34+82.96	1,503
RAMPC	30+00.00		44+15.34	1,014
RAMPA	11+53.08		26+20.60	1,290
RAMPD	40+90.00		54+17.11	1,049
RAMPD_CONN	70+00.00		89+80.84	1,074
RAMPD_CONN	72+61.56		82+54.47	629
RAMPD	62+47.57		77+27.75	1,048
RAMPD	62+03.48		70+00.00	436
I29	78+77.25		106+06.35	1,598
			Subtotal (06JQ)	24,188

REGISTERED PROFESSIONAL ENGINEER
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SOUTH DAKOTA
8-19-2025

TABLE OF TOPSOIL PLACEMENT (PCN 07D0)

Alignment	Station	to	Station	Topsoil (CuYd)
229RAMPB	19+34.49		46+55.35	1,551
NB229	154+86.08		183+10.54	2,203
RAMPC_LOUISE	20+00.00		43+73.68	596
RAMPC_LOUISE	23+45.06		43+87.45	525
			Subtotal (07D0)	4,875
			Total (06JQ & 07D0)	**29,063**

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

All Type D seed will be inoculated by the seed supplier with a minimum of 20,000 live propagules of mycorrhizal fungi per 1,000 square feet. All costs of inoculating the seed will be incidental to the contract unit price per pound for the corresponding permanent seed mixture.

FERTILIZING

The Contractor will apply an all-natural slow release fertilizer prior to seeding or placing sod. The all-natural fertilizer will have a minimum guaranteed analysis of 4-4-4 and be USDA Certified BioBased. It should provide a minimum of 4% (N) nitrogen with a minimum water insoluble nitrogen (WIN) fraction of 2.07%, a minimum of 4% (P2O5) available phosphate, a minimum of 4% (K2O) soluble potash, and a maximum carbon to nitrogen ratio (C:N ratio) of 5:1. The all-natural fertilizer will be free of weed-seed and pathogens accomplished through thermophilic composting, and not mechanical or chemical sterilization, to assure presence of beneficial soil microbiology. The fertilizer will have a near neutral pH, a low salt index, a low biological oxygen demand, contain organic humic and fulvic acids, and have high aerobic organism counts. The fertilizer will also be stable, free of bad odors, and be unattractive as a food source for animals. It should also be in a granular form that is easily spread.

The fertilizer will be applied at a rate of 1,500 pounds per acre in accordance with the manufacturer's recommended method of application.

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

http://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.

Lawn and turf seed, such as the Type D Permanent Seed Mixture, will be tested within 12 months prior to planting, exclusive of the calendar month in which the test was completed.

Type D Permanent Seed Mixture will consist of the following:

Grass Species	Variety	Pure Live Seed (PLS) (Pounds/1000 SqFt)
Kentucky Bluegrass	Avalanche, Appalachian, Wildhorse, Blue Bonnet, Action	1.4
Perennial Ryegrass	Turf Type Varieties	1.4
Creeping Red Fescue	Epic, Boreal, Chantilly	1.4
Chewings Fescue	Ambrose, K2, Zodiac, Shadow III	1.4
Alkali Grass	Fults, Fults II, Quill, Salty	1.4
	Total:	7

Type G Permanent Seed Mixture will consist of the following:

Grass Species	Variety	Pure Live Seed (PLS) (Pounds/Acre)
Western Wheatgrass	Arriba, Flintlock, Rodan, Rosana, Walsh	7
Switchgrass	Dacotah, Forestburg, Nebraska 28, Pathfinder, Summer, Sunburst, Trailblazer	3
Indiangrass	Holt, Tomahawk, Chief, Nebraska 54	3
Big Bluestem	Bison, Bonilla, Champ, Sunnyview, Rountree, Bonanza	3
Oats or Spring Wheat: April through May; Winter Wheat: August through November		10
	Total:	26

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SOUTH DAKOTA
5/16/2025

WATER FOR VEGETATION

Water for vegetation consists of applying water to seeded areas to enhance germination and/or root growth. When watering, use the following guidelines:

Immediately after seeding:

- Keep the topsoil moist but not excessively wet until the seed has germinated.
- Water a minimum of 3 days a week for 2 weeks preferably watering 2 or 3 times a day in small quantities.
- Use fine spray and low pressure to avoid topsoil wash and to prevent uncovering buried seeds.

After emergence:

- Topsoil will be kept thoroughly moistened by sprinkling, as necessary, for 6 weeks. After the 6-week period, an inspection will be made to determine if grass is established enough to suspend watering. Continue watering until grass has been thoroughly established.
- Never apply water at a rate faster than the topsoil can absorb.
- Water during early morning hours or early evening hours.
- Do not water when rain is forecasted for the area.
- If rainfall occurs, suspend watering according to rainfall amount.

An estimated 60 Gallons of water per square yard of seeding area was used to compute the quantity for the bid item “Water for Vegetation”.

All costs for furnishing and applying the water including hauling, materials, equipment, labor, and incidentals necessary will be paid for at the contract unit price per MGal for “Water for Vegetation”.

COVER CROP SEEDING (PCN 06JQ)

Cover crop seeding may be used on this project as a temporary erosion control measure. The actual limits and use of cover crop seeding will be determined by the Engineer during construction.

BONDED FIBER MATRIX

Bonded fiber matrix will be hydraulically applied to the areas listed in the Table of Topsoil Placement and any other areas deemed necessary by the Engineer.

The application area is the same as the Type D and Type G permanent seed mixtures.

The Contractor will use a bonded fiber matrix from the approved products list, or an approved equal. The approved product list for bonded fiber matrix may be viewed at the following internet site:

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

SOIL STABILIZER

An estimated quantity of 52.2 acres of soil stabilizer has been included in the Estimate of Quantities. The soil stabilizer will be applied on permanently seeded areas and areas deemed necessary by the Engineer.

The Contractor will apply soil stabilizer in accordance with the manufacturer’s application instructions and at the rate specified in the list of approved soil stabilizers.

Wood fiber mulch that contains a green dye will be mixed with the soil stabilizer to be used as a tracer when the soil stabilizer is applied hydraulically. Wood fiber mulch will be added at a rate of 300 pounds per acre to all of the approved soil stabilizers listed in the table except for the Pam-12 Plus product. The wood fiber mulch will be a 100% wood fiber product and does not need to contain a tackifier.

All costs for furnishing and applying the soil stabilizer including wood fiber mulch, hauling, materials, equipment, labor, and incidentals necessary will be paid for at the contract unit price per Acre for “Soil Stabilizer”.

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

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

SURFACE ROUGHENING

Surface roughening will be done after topsoil placement and before permanent seeding, fertilizing, and mulching applications. Refer to Standard Plate 734.25 for details.

TABLE OF SURFACE ROUGHENING (PCN 06JQ)

Alignment	Station	to Station	Location	Area (Acre)
EB85TH	308+50	316+05	85th RT & Ramp C LT 3:1 Slope	1.0
WB85TH	409+75	415+72	85th LT. & RAMP D LT 3:1 Slope	1.1
RAMPC	38+50	45+73	Ramp C RT 3:1 Slope	0.5
WB85TH	418+75	419+22	85th Bridge Abutment Slope West	0.2
WB85TH	421+10	421+46	85th Bridge Abutment Slope East	0.2
RAMPB	26+50	36+29	Ramp B LT 3:1 Slope	0.5
RAMPB	26+27	34+71	Ramp B RT 3:1 Slope	0.7
WB85TH	424+22	431+16	Ramp A RT & 85th 3:1 Slope	1.0
RAMPA	10+00	20+13	Ramp A LT 3:1 Slope	0.6
RAMPD	39+59	51+35	Ramp D RT 3:1 Slope	0.7
RAMPD	53+50	60+69	Ramp D RT 3:1 Slope	0.6
RAMPD	64+21	69+88	Ramp D LT 3:1 Slope	0.5
RAMPD_CONN	70+00	78+50	LT 3:1 Slope	0.8
RAMPD_CONN	76+49	79+63	RT 3:1 Slope	0.2
			Total (PCN 06JQ)	**8.0**

FOR BIDDING PURPOSES ONLY

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 until vegetation has been established and then they will be removed in accordance with the Engineer.

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:

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

TABLE OF EROSION CONTROL WATTLE (PCN 06JQ)

Alignment	Station	L/R	Diameter (IN)	Location	Quantity (Ft)
I_29	30+98.99	L	12	DITCH LT	40
I_29	32+48.83	L	12	DITCH LT	40
I_29	33+98.63	L	12	DITCH LT	40
I_29	35+53.57	L	12	DITCH LT	40
I_29	36+92.08	L	12	DITCH LT	40
I_29	39+64.23	L	12	DITCH LT	40
I_29	40+46.74	L	12	DITCH LT	40
I_29	41+97.44	L	12	DITCH LT	40
I_29	43+54.50	L	12	DITCH LT	40
I_29	44+97.40	L	12	DITCH LT	40
I_29	46+48.45	L	12	DITCH LT	40
I_29	36+93.51	R	12	DITCH RT	40
I_29	37+83.82	R	12	DITCH RT	40
I_29	39+34.19	R	12	DITCH RT	40
I_29	40+83.73	R	12	DITCH RT	40
I_29	42+33.96	R	12	DITCH RT	40
I_29	43+84.04	R	12	DITCH RT	40
I_29	45+34.44	R	12	DITCH RT	40
I_29	46+84.05	R	12	DITCH RT	40
			Subtotal (06JQ)		**760**

TABLE OF EROSION CONTROL WATTLE (PCN 06JQ)

Alignment	Station	L/R	Diameter (IN)	Location	Quantity (Ft)
RAMPC	30+40.73	L	12	DITCH LT	40
RAMPC	31+94.28	L	12	DITCH LT	40
RAMPC	33+47.80	L	12	DITCH LT	40
RAMPC	35+01.19	L	12	DITCH LT	40
RAMPC	36+51.40	L	12	DITCH LT	40
RAMPC	36+69.32	R	12	DITCH RT	40
RAMPC	38+15.93	R	12	DITCH RT	40
RAMPC	39+65.18	R	12	DITCH RT	40
RAMPC	41+09.81	R	12	DITCH RT	40
RAMPC	42+60.68	R	12	DITCH RT	40
RAMPC	46+03.91	R	12	DITCH RT	40
RAMPB	21+04.28	R	12	DITCH RT	40
RAMPB	22+58.00	R	12	DITCH RT	40
RAMPB	24+10.65	R	12	DITCH RT	40
RAMPB	25+61.40	R	12	DITCH RT	40
RAMPB	27+10.75	R	12	DITCH RT	40
RAMPB	30+09.45	R	12	DITCH RT	40
RAMPB	31+58.44	R	12	DITCH RT	40
RAMPB	33+08.65	R	12	DITCH RT	40
RAMPB	33+84.02	R	12	DITCH RT	40
RAMPB	34+05.34	R	12	DITCH RT	40
EB85TH	328+30.44	R	12	DITCH RT	30
EB85TH	329+80.14	R	12	DITCH RT	30
EB85TH	331+30.13	R	12	DITCH RT	30
EB85TH	332+79.86	R	12	DITCH RT	30
EB85TH	336+04.87	R	12	DITCH RT	20
EB85TH	337+54.33	R	12	DITCH RT	20
RAMPA	13+61.74	R	12	DITCH RT	40
RAMPA	14+65.53	R	12	DITCH RT	40
RAMPA	15+05.52	R	12	DITCH RT	40
RAMPA	16+54.21	R	12	DITCH RT	40
RAMPA	17+76.46	R	12	DITCH RT	40
RAMPA	18+59.23	R	12	DITCH RT	40
RAMPA	20+12.06	R	12	DITCH RT	40
RAMPA	21+61.77	R	12	DITCH RT	40
RAMPA	23+13.31	R	12	DITCH RT	40
RAMPA	24+67.31	R	12	DITCH RT	40
RAMPA	26+21.06	R	12	DITCH RT	40
			Subtotal (06JQ)		**1,440**

TABLE OF EROSION CONTROL WATTLE (PCN 06JQ)

Alignment	Station	L/R	Diameter (IN)	Location	Quantity (Ft)
RAMPD	42+87.47	R	12	DITCH RT	40
RAMPD	44+27.69	R	12	DITCH RT	40
RAMPD	45+68.15	R	12	DITCH RT	40
RAMPD	46+25.97	R	12	DITCH RT	40
RAMPD	71+49.00	L	12	DITCH LT	40
RAMPD	72+98.90	L	12	DITCH LT	40
RAMPD	74+48.11	L	12	DITCH LT	40
RAMPD	75+37.44	L	12	DITCH LT	40
RAMPD	63+34.50	R	12	DITCH RT	30
RAMPD	64+34.21	R	12	DITCH RT	30
RAMPD	65+41.22	R	12	DITCH RT	30
RAMPD_CONN	84+19.27	L	12	DITCH LT	30
RAMPD_CONN	85+68.95	L	12	DITCH LT	30
RAMPD_CONN	86+52.76	L	12	DITCH LT	30
I_29	80+27.78	R	12	DITCH RT	40
I_29	81+81.24	R	12	DITCH RT	40
I_29	83+33.62	R	12	DITCH RT	40
I_29	84+85.86	R	12	DITCH RT	40
I_29	86+41.06	R	12	DITCH RT	40
I_29	88+12.72	R	12	DITCH RT	40
I_29	89+48.32	R	12	DITCH RT	40
I_29	91+01.12	R	12	DITCH RT	40
I_29	92+55.06	R	12	DITCH RT	40
I_29	94+06.73	R	12	DITCH RT	40
I_29	95+60.00	R	12	DITCH RT	40
I_29	96+20.00	R	12	DITCH RT	40
229RAMPB	19+19.00	R	12	DITCH RT	40
				Subtotal (06JQ)	**1020**
				Total (06JQ)	**3220**

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5/16/2025

EROSION CONTROL WATTLE (CONTINUED)

TABLE OF EROSION CONTROL WATTLE (PCN 07D0)

Alignment	Station	L/R	Diameter (IN)	Location	Quantity (Ft)
229RAMPB	20+73.30	R	12	DITCH RT	40
229RAMPB	22+28.19	R	12	DITCH RT	40
229RAMPB	23+38.01	R	12	DITCH RT	40
229RAMPB	25+74.53	R	12	DITCH RT	40
229RAMPB	27+29.25	R	12	DITCH RT	40
229RAMPB	28+83.43	R	12	DITCH RT	40
229RAMPB	30+38.58	R	12	DITCH RT	40
229RAMPB	31+92.36	R	12	DITCH RT	40
229RAMPB	33+47.25	R	12	DITCH RT	40
229RAMPB	35+02.47	R	12	DITCH RT	40
229RAMPB	36+56.82	R	12	DITCH RT	40
229RAMPB	38+11.52	R	12	DITCH RT	40
229RAMPB	40+05.00	R	12	DITCH RT	40
NB229	151+52.88	R	12	DITCH RT	40
NB229	153+03.11	R	12	DITCH RT	40
NB229	154+51.92	R	12	DITCH RT	40
NB229	156+12.26	R	12	DITCH RT	40
NB229	157+61.86	R	12	DITCH RT	40
NB229	159+11.79	R	12	DITCH RT	40
NB229	160+61.81	R	12	DITCH RT	40
NB229	162+12.20	R	12	DITCH RT	40
NB229	163+62.64	R	12	DITCH RT	40
NB229	165+13.33	R	12	DITCH RT	40
NB229	166+63.86	R	12	DITCH RT	40
NB229	168+14.45	R	12	DITCH RT	40
NB229	169+64.67	R	12	DITCH RT	40
NB229	171+15.54	R	12	DITCH RT	40
NB229	172+66.08	R	12	DITCH RT	40
NB229	174+16.70	R	12	DITCH RT	40
NB229	175+66.65	R	12	DITCH RT	40
NB229	177+17.42	R	12	DITCH RT	40
NB229	178+68.18	R	12	DITCH RT	40
NB229	180+17.93	R	12	DITCH RT	40
NB229	181+67.87	R	12	DITCH RT	40
NB229	183+17.39	R	12	DITCH RT	40
				Subtotal (07D0)	**1,400**
				Total (06JQ & 07D0)	**4,620**

REMOVE AND RESET EROSION CONTROL WATTLE

Erosion control wattles may be removed and reset as necessary as work progresses. The erosion control wattles removed and reset will be in useable condition. All costs for removing and resetting the erosion control wattles will be incidental to the contract unit price per foot for “Remove and Reset Erosion Control Wattle”.

LOW FLOW SILT FENCE

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

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

Low flow silt fence will be placed at the locations noted in the table and at locations that will minimize siltation of adjacent streams, lakes, dams, or drainage areas as determined by the Engineer during construction. Refer to Standard Plate 734.04 for details.

An additional quantity of Low Flow Silt Fence has been added to the Estimate of Quantities for temporary sediment control.

TABLE OF LOW FLOW SILT FENCE (PCN 06JQ)

Alignment	Station to	Station	L/R	Locations	Length (Ft)
I_29	36+71.27	39+58.62	L	PERIM. LT	240
I_29	45+85.77	51+84.72	L	PERIM. LT	600
EB85TH	299+28.45	305+67.52	R	PERIM. RT	730
EB85TH	306+85.43	315+92.92	R	PERIM. RT	1,330
EB85TH	324+57.56	326+95.30	R	PERIM. RT	300
WB85TH	399+35.56	405+81.92	L	PERIM. LT	675
WB85TH	406+75.50	415+63.21	L	PERIM. LT	1,850
WB85TH	424+47.66	439+26.00	L	PERIM. LT	1,720
I_29	77+88.00	80+00.45	R	PERIM. RT	220
RAMPD	51+59.83	71+86.55	L	PERIM. LT	2,255
RAMPD_CONN	77+61.21	79+68.27	R	PERIM. RT	215
RAMPD	65+58.86	69+76.49	L	PERIM. LT	470
I_29	96+14.05	105+21.55	R	PERIM. RT	910
				Subtotal (06JQ)	**11,515**

TABLE OF LOW FLOW SILT FENCE (PCN 07D0)

Alignment	Station to	Station	L/R	Locations	Length (Ft)
I_29	109+63.89	111+11.65	R	PERIM. RT	155
RAMPC LOUISE	20+00.18	42+40.88	L/R	PERIM. LT/RT	4,000
				Subtotal (07D0)	**4,155**
				Total (06JQ & 07D0)	**15,670**

TABLE OF LOW FLOW SILT FENCE AT PIPE INLETS (PCN 06JQ)

Alignment	Station	L/R	Location	Length (FT)
EB85TH	302+62.94	R	PIPE INLET	18
EB85TH	324+88.00	R	PIPE INLET; TRAIL SOUTH	18
EB85TH	333+52.64	R	PIPE INLETS	100
WB85TH	424+79.00	L	PIPE INLET; TRAIL NORTH	18
RAMPA	14+81.65	R	PIPE INLET	18
I_29	61+74.00	L	PIPE INLET	18
I_29	61+55.68	R	PIPE INLET	18
I_29	65+72.00	R	PIPE INLET	18
I_29	69+52.80	R	PIPE INLET	18
RAMPD	58+26.00	R	PIPE INLET	18
RAMPD	59+75.00	R	PIPE INLET	18
RAMPD	61+98.92	L	PIPE INLET	18
RAMPD	62+68.00	R	PIPE INLET	18
RAMPD	66+89.15	L	PIPE INLET	36
RAMPD_CONN	80+67.57	L	PIPE INLET	18
			Subtotal (06JQ)	**370**

TABLE OF LOW FLOW SILT FENCE AT PIPE INLETS (PCN 07D0)

Alignment	Station	L/R	Location	Length (FT)
229RAMPB	23+92	R	PIPE INLET	18
229RAMPB	35+10	R	PIPE INLETS	26
			Subtotal (07D0)	**44**
			Total (06JQ & 07D0)	**414**

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INTERIM SEDIMENT CONTROL AT INLETS, MANHOLES, AND JUNCTION BOXES AFTER SURFACING REMOVAL AND BEFORE PLACEMENT OF SURFACING

Refer to Standard Plate 734.04 for details of installation of low flow silt fence at drop inlets, manholes, and junction boxes.

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

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

In addition, the Contractor will do the following for this installation:

- A space of at least 1’ will be provided between the silt fence installation and the inlet. This space will be filled completely with a 2” depth of aggregate, 2” minus or smaller.
- The top elevation of the silt fence will be such that a 12” horizontal flap of silt fence will remain at the bottom.
- The base of the silt fence will conform to the natural ground profile but does not need to be trenched in at the bottom.
- The extra 12” of the silt fence material may be cut so that the material will lay flat upon the subgrade.
- Sediment filter bags will be placed on the 12” flap around the perimeter of the silt fence installation. The sediment filter bags will overlap 6” at the ends and be placed tightly together.
- The sediment filter bags will be filled with clean aggregate 2” minus or smaller.

The Sediment Filter Bag provided will be from the approved product list. The approved product list may be viewed at the following internet site:

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

All costs for furnishing and installing the sediment filter bags will be incidental to the contract unit price per foot for “Sediment Filter Bag.”

All costs for removing the sediment filter bags will be incidental to the contract unit price per foot for “Remove Sediment Filter Bag”.

Payment for low flow silt fence will be as stated in Section 734.5 of the Specifications.

All costs for furnishing, installing, and removing the 2” depth of aggregate will be incidental to other erosion and sediment control contract items.

All costs for removing and disposing of sediment collected by the sediment control device will be incidental to the contract unit price per cubic yard for “Remove Sediment”.

The removed sediment will be placed at a location away from the drop inlet where the sediment will not be washed back into the drop inlet or other storm sewer system.

The Contractor and Engineer will inspect and maintain the sediment control device once every week and within 24 hours after every rainfall event greater than 0.2”.

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TABLES OF INTERIM SEDIMENT CONTROL AT INLETS, MANHOLES, AND JUNCTION BOXES AFTER SURFACING REMOVAL AND BEFORE PLACEMENT OF SURFACING

Alignment	Station	L/R	Low Flow Silt Fence (Ft)	Sediment Filter Bag (Ft)	Remove Sediment (CuYd)
WB85TH	399+70	L	24	32	0.25
WB85TH	402+00	L	24	32	0.25
EB85TH	299+70	R	24	32	0.25
WB85TH	401+47	L	32	40	0.25
EB85TH	301+41	R	32	40	0.25
EB85TH	302+00	R	24	32	0.25
EB85TH	303+25	R	24	32	0.25
WB85TH	403+25	L	24	32	0.25
WB85TH	404+65	L	24	32	0.25
EB85TH	304+65	R	24	32	0.25
WB85TH	405+48	L	24	32	0.25
WB85TH	407+00	L	24	32	0.25
EB85TH	307+25	R	24	32	0.25
EB85TH	308+00	R	24	32	0.25
EB85TH	309+00	R	24	32	0.25
WB85TH	408+00	L	24	32	0.25
WB85TH	409+00	L	24	32	0.25
WB85TH	412+00	L	24	32	0.25
EB85TH	312+00	R	24	32	0.25
EB85TH	313+10	R	24	32	0.25
WB85TH	413+10	L	24	32	0.25
EB85TH	316+17	R	18	26	0.25
RAMPG	3+80	R	18	26	0.25
RAMPG	3+81	L	28	36	0.25
RAMPG	4+51	R	18	26	0.25
RAMPG	4+58	L	24	32	0.25
RAMPC	44+30	L	28	36	0.25
RAMPC	44+33	R	18	26	0.25
RAMPC	45+43	R	18	26	0.25
EB85TH	318+44	R	22	30	0.25
EB85TH	318+46	L	18	26	0.25
RAMPH	4+12	L	28	36	0.25
RAMPH	4+23	R	28	36	0.25
RAMPH	4+82	R	24	32	0.25
RAMPH	5+42	R	28	36	0.25
RAMPD	46+00	L	18	26	0.25
RAMPD	46+00	R	18	26	0.25
RAMPD	47+48	R	18	26	0.25
	Subtotal (06JQ)		**892**	**1196**	**9.5**

Alignment	Station	L/R	Low Flow Silt Fence (Ft)	Sediment Filter Bag (Ft)	Remove Sediment (CuYd)
RAMPD	58+92	R	18	26	0.25
RAMPD	63+90	R	18	26	0.25
RAMPD	64+15	R	18	26	0.25
RAMPD	65+04	R	18	26	0.25
RAMPD	65+15	R	18	26	0.25
RAMPD	65+30	R	18	26	0.25
RAMPD	65+41	R	18	26	0.25
RAMPD	65+49	R	18	26	0.25
WB85TH	421+89	R	18	26	0.25
WB85TH	421+89	L	28	36	0.25
WB85TH	423+09	R	22	30	0.25
WB85TH	423+65	L	22	30	0.25
WB85TH	424+17	L	22	30	0.25
RAMPB	29+69	L	18	26	0.25
RAMPB	32+00	L	22	30	0.25
RAMPB	35+26	L	18	26	0.25
RAMPF	3+55	L	28	36	0.25
RAMPF	3+61	R	28	36	0.25
RAMPA	10+33	L	22	30	0.25
RAMPA	11+41	R	28	36	0.25
RAMPA	12+05	L	22	30	0.25
EB85TH	323+34	R	24	32	0.25
EB85TH	322+93	L	24	32	0.25
WB85TH	427+50	L	24	32	0.25
EB85TH	327+50	R	24	32	0.25
WB85TH	430+01	L	24	32	0.25
EB85TH	330+50	R	24	32	0.25
WB85TH	430+77	L	24	32	0.25
WB85TH	431+80	L	24	32	0.25
EB85TH	331+40	R	24	32	0.25
EB85TH	332+07	R	24	32	0.25
EB85TH	332+22	R	32	40	0.25
EB85TH	332+37	R	24	32	0.25
WB85TH	432+00	L	32	40	0.25
WB85TH	433+36	L	40	48	0.25
WB85TH	435+13	R	24	32	0.25
	Subtotal (06JQ)		**834**	**1122**	**9**

TABLES OF INTERIM SEDIMENT CONTROL AT INLETS, MANHOLES, AND JUNCTION BOXES AFTER SURFACING REMOVAL AND BEFORE PLACEMENT OF SURFACING (CONTINUED)

Alignment	Station	L/R	Low Flow Silt Fence (Ft)	Sediment Filter Bag (Ft)	Remove Sediment (CuYd)
WB85TH	435+14	L	24	32	0.25
EB85TH	335+50	R	24	32	0.25
EB85TH	336+41	R	24	32	0.25
WB85TH	436+41	L	24	32	0.25
WB85TH	438+16	L	24	32	0.25
EB85TH	338+15	R	24	32	0.25
	Subtotal (06JQ)		**144**	**192**	**1.5**
	Total (06JQ)		**1870**	**2510**	**20.0**

SEDIMENT CONTROL AT INLETS WITH FRAMES AND GRATES

This type of sediment control device should be used where there is pavement in the vicinity of the drop inlets and storm water or sediment could possibly enter the frame and grate. Sediment Control at Inlet with Frame and Grate will be installed prior to working in the vicinity of the drop inlets.

The Contractor will be responsible for maintaining and repairing the sediment control devices for the duration of the project for which sediment control measures are required. Maintenance will be scheduled to prevent storm water from backing up into the driving lane.

"Sediment Control at Inlet with Frame and Grate" will be paid for one time at each location, regardless of the number of times the sediment control devices are installed, inspected, cleaned, removed, repaired, or replaced. All costs associated with furnishing, installing, inspecting, maintaining, cleaning, sediment removal, and repairing Sediment Control at Inlet with Frame and Grate will be incidental to the contract unit price per each for "Sediment Control at Inlet with Frame and Grate".

The device will be installed in reinforced concrete drop inlets in accordance with the manufacturer's recommendations.

The Sediment Control at Inlets with Frames and Grates provided will be from the approved product list. The approved product list may be viewed at the following internet site:

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

TABLE OF SEDIMENT CONTROL AT INLETS WITH FRAMES AND GRATES

Alignment	Station	L/R	Quantity (Each)
EB85TH	316+05.07	R	1
RAMPG	3+80	R	1
RAMPG	4+51	R	1
RAMPC	44+33	R	1
RAMPC	45+43	R	1
EB85TH	318+44	R	1
EB85TH	318+46	L	1
RAMPD	46+00	L	1
RAMPD	46+00	R	1
RAMPD	47+48	R	1
RAMPD	58+92	R	1
RAMPD	63+90	R	1
RAMPD	64+15	R	1
RAMPD	65+04	R	1
RAMPD	65+15	R	1
RAMPD	65+30	R	1
RAMPD	65+41	R	1
RAMPD	65+49	R	1
WB85TH	421+89	R	1
WB85TH	421+89	L	1
RAMPB	35+26	L	1
RAMPB	32+00	L	1
RAMPB	29+69	L	1
WB85TH	423+09	R	1
WB85TH	423+65	L	1
WB85TH	424+17	L	1
RAMPA	10+33	L	1
RAMPA	12+05	L	1
WB85TH	433+36	L	4
	Total (06JQ)		**32**

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SEDIMENT CONTROL AT TYPE S REINFORCED CONCRETE DROP INLETS

The Sediment Control Device at Type S Inlets provided will be from the approved product list. The approved product list may be viewed at the following internet site:

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

TABLE OF SEDIMENT CONTROL AT TYPE S REINFORCED CONCRETE DROP INLETS

Alignment	Station	L/R	Clear Opening Width (Ft)	Quantity* (FT)
WB85TH	399+70	L	6.0	8
EB85TH	299+70	R	6.0	8
WB85TH	401+46	L	11.0	13
EB85TH	301+41	R	11.0	13
WB85TH	402+00	L	6.0	8
EB85TH	302+00	R	6.0	8
EB85TH	303+24	R	6.0	8
WB85TH	403+25	L	6.0	8
WB85TH	404+65	L	6.0	8
EB85TH	304+65	R	6.0	8
WB85TH	405+48	L	6.0	8
WB85TH	407+25	L	6.0	8
EB85TH	307+25	R	6.0	8
EB85TH	308+00	R	6.0	8
EB85TH	309+00	R	6.0	8
WB85TH	408+00	L	6.0	8
WB85TH	409+00	L	6.0	8
WB85TH	412+00	L	6.0	8
EB85TH	312+00	R	6.0	8
EB85TH	313+10	R	6.0	8
WB85TH	413+10	L	6.0	8
RAMPG	3+81	L	6.0	8
RAMPC	44+30	L	6.0	8
RAMPH	4+12	L	6.0	8
RAMPH	4+23	R	6.0	8
RAMPH	5+42	R	6.0	8
RAMPF	3+55	L	6.0	8
RAMPF	3+61	L	6.0	8
RAMPA	11+41	R	6.0	8
WB85TH	427+50	L	6.0	8
EB85TH	327+50	R	6.0	8
WB85TH	430+00	L	6.0	8
EB85TH	330+50	R	6.0	8
WB85TH	430+77	L	6.0	8
EB85TH	331+40	R	6.0	8
WB85TH	431+81	L	6.0	8
WB85TH	432+00	L	11.0	13
EB85TH	332+07	R	6.0	8
EB85TH	332+22	R	11.0	13
EB85TH	332+37	R	6.0	8
WB85TH	435+13	R	6.0	8
WB85TH	435+14	L	6.0	8
EB85TH	335+50	R	6.0	8
EB85TH	336+41	R	6.0	8
WB85TH	436+41	L	6.0	8
WB85TH	438+16	L	6.0	8
EB85TH	338+15	R	6.0	8
			Total (06JQ)	**306**

* Quantity shown is the minimum length required and will be the basis of payment.

STREET SWEEPING

Vehicle tracking of sediment from the construction site will be minimized. Street sweeping will be used if erosion and sediment control best management practices are not adequate to prevent sediment from being tracked onto the street.

The Contractor will use a pickup broom having integral self-contained storage to clean the roadway. The pickup broom used will be a minimum of 6 feet wide and have working gutter brooms.

At a minimum, sweeping will be required:
1. Prior to opening any segment or roadway to traffic.
2. Following pavement grooving operations and prior to the application of the pavement marking tape.
3. When sawing operations are underway in the inside driving lanes, the outside driving lanes and gutter may need to be swept to control dust.

All costs for cleaning the roadway with a pickup broom will be incidental to the contract unit price per hour for “Sweeping”.

CONSTRUCTION ENTRANCE

The Contractor will install a Construction Entrance at locations where there is a potential for mud tracking and sediment flow from the construction site and work area onto a paved public roadway.

It is the Contractor’s option to use the SDDOT Construction Entrance (See SDDOT Construction Entrance notes and details), a product from the list

provided in these notes, or other products or processes as approved by the Engineer during construction.

If the Contractor elects to use one of the products listed in the table, then the Contractor will install the construction entrance product in accordance with the manufacturer’s installation instructions or as directed by the Engineer.

The Contractor will maintain the construction entrance such that mud tracking and sediment flow will not enter the roadway or adjacent drainage areas. The construction entrance will be routinely inspected, and the Contractor will repair or replace material as deemed necessary by the Engineer.

All costs for furnishing, installing, maintaining, and removal of the construction entrance including equipment, labor, materials, and incidentals will be included in the contract unit price per each for “Construction Entrance”.

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

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

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5/16/2025

SDDOT CONSTRUCTION ENTRANCE

If the SDDOT Construction Entrance is utilized, then the Contractor will install the SDDOT Construction Entrance in accordance with these notes and the detail drawings.

Pit run material will be obtained from a granular source and will conform to the following gradation:

Sieve Size	Percent Passing
6”	100%
#4	0-60%
#200	0-20%

The pit run material will be compacted to the satisfaction of the Engineer.

The aggregate for the granular material will conform to the following gradation requirements:

Sieve Size	Percent Passing
3”	100%
2 ½”	90-100%
1 ½”	25-60%
¾”	0-10%
½”	0-5%

The granular material will be placed in 6” maximum lifts. It is anticipated that the granular material will need to be periodically removed and replaced as it becomes inundated with mud and sediment.

The Reinforcement Fabric (MSE) will be in conformance with Section 831 of the Specifications. The Reinforcement Fabric (MSE) will be on the Approved

Products List for this material or will be certified by the supplier to meet this specification prior to installation.

The Reinforcement Fabric (MSE) should be kept as taut as possible prior to placing.

Equipment will not be allowed on the Reinforcement Fabric (MSE) until the first lift of granular material is in place.

All seams in the Reinforcement Fabric (MSE) will be overlapped at least 2’ and shingled.

CONCRETE WASHOUT

A concrete washout will be installed on the project site at a location approved by the Engineer if concrete trucks deliver concrete to the site. No washout area is necessary if all concrete trucks are going to wash out at approved site constructed by the concrete supplier.

The Concrete Washout provided will be from the approved products list. The approved product list may be viewed at the following internet site:

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

EROSION CONTROL BLANKET

Erosion control blanket will be installed varying widths at the locations noted in the table and at locations determined by the Engineer during construction.

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

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

The Contractor will install erosion control blanket according to the manufacturer's installation instructions.

TABLE OF EROSION CONTROL BLANKET

Station	Location	Type	Quantity (SqYd)
EB85TH 308+50 to 315+50 R	Inslope	2	3534
RAMPG 3+24 to 6+00 R	Inslope	2	1560
RAMPC 38+50 to 43+50 L	Inslope	2	3044
RAMPC 38+50 to 45+80 R	Inslope	2	4488
WB85TH 421+46 to 422+23 R	Inslope	2	541
RAMPB 26+50 to 35+75 L	Inslope	2	4617
RAMPB 26+26 to 34+13 R	Inslope	2	4031
RAMPF 2+00 to 3+74 R	Inslope	2	863
EB85TH 324+17 to 324+82 R	Inslope	2	153
EB85TH 324+46 to 326+50 R	Inslope	2	856
EB85TH 326+35 to 327+30 R	Inslope	2	358
WB85TH 409+73 to 416+00 L	Inslope	2	3110
RAMPH 4+01 to 6+13 L	Inslope	2	1424
RAMPD 41+93 to 49+63 L	Inslope	2	4858
RAMPD 40+00 to 51+50 R	Inslope	2	6450
EB85TH 318+09 to 318+87 L	Inslope	2	402
EB85TH 320+17 to 32+60 L	Inslope	2	336
RAMPA 10+00 to 20+13 L	Inslope	2	5761
RAMPA 12+11 to 18+13 R	Inslope	2	3693
RAMPH 1+67 to 3+87 R	Inslope	2	1170
WB85TH 424+48 to 425+18 L	Inslope	2	1338
WB85TH 426+28 to 431+16 L	Inslope	2	1780
RAMPDCONN 53+00 to 54+15 L	Inslope	2	429
RAMPDCONN 54+15 to 78+50 L	Inslope	2	5691
RAMPDCONN 74+49 to 79+62 L	Inslope	2	1926
RAMPD 53+50 to 60+17 R	Inslope	2	4405
RAMPD 62+03 to 38+19 R	Inslope	2	2148
RAMPD 64+21 to 69+88 L	Inslope	2	3963
	Additional Quantity:	2	7293

Total (06JQ) Type 2 Erosion Control Blanket: 80222

DEWATERING AND SEDIMENT COLLECTING

The Contactor has the option to treat sediment laden water trapped within the project limits with the DEWATERING AND SEDIMENT COLLECTION SYSTEM as detailed in the standard details, or the Contractor may elect to transport sediment laden water off the project.

If the Contractor elects to transport sediment laden water off the project, no additional payment for loading, transporting, and labor costs will be made. Water transported off the project limits will not be disposed of in an area where it can enter a waterway. The disposal site must be approved by the Engineer.

MAINTENANCE DURING CONSTRUCTION

Per section 5.14 of the SDDOT Standard Specification for Roads and Bridges, the Contractor is responsible for weed control. For clarification on this requirement, no weeds, including sunflowers, shall be allowed to grow over 24” in height within the project limits. Weed control is expected to be applied before weeds approach 24”. Weeds that exceed 24” in height shall be removed by mowing. Weeds listed as Statewide Noxious Weeds as defined by the South Dakota Weed and Pest Control Commission or declared by the County as a local noxious weeds shall immediately be sprayed/removed upon discovery. Further information on noxious weeds can be found at the following internet site:

https://danr.sd.gov/Conservation/PlantIndustry/WeedPest/WeedandPestInfo/default.aspx

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8-19-2025

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): bridge and retaining wall construction
- **5.3 (3b): Total Project Area** 252.86 Acres
- **5.3 (3b): Total Area to be Disturbed** 75.87 Acres
- **5.3 (3c): Maximum Area Disturbed at One Time** 36.57 Acres
- **5.3 (3d): Existing Vegetative Cover (%)** 78
- **5.3 (3d): Description of Vegetative Cover** Grass

- **5.3 (3e): Soil Properties:** AASHTO A-6, A-7, A-7-5, A-7-6
- **5.3 (3f): Name of Receiving Water Body/Bodies** Big Sioux River
- **5.3 (3g): Location of Construction Support Activity Areas** 270th Street (85th Street west of I-29, City owned property) or

5.3 (3h): ORDER OF CONSTRUCTION ACTIVITIES

The Contractor will enter the Estimated Start Date.

Description	Estimated Start Date
Install stabilized construction entrance(s).	
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.	
Install utilities, storm sewers, curb and gutter.	
Install inlet and culvert protection after completing storm drainage and other utility installations.	
Final grading.	
Final paving.	
Removal of protection devices.	
Reseed areas disturbed by removal activities.	

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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 work day 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, 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.

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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.

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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.

EROSION AND SEDIMENT CONTROL LEGEND

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
Plotting Date: 5/15/2025	EM 0292(88)73 IM 2292(104)0	D14	D41

Erosion Control Wattles in Ditches

Low Flow Silt Fence at Pipe

Low Flow Silt Fence

Sediment Control at Inlet After Placement of Surfacing

Surface Roughening

Seeded Area - Type D Boulevard and Bonded Fiber Matrix

Seeded Area - Type E and Type G Permanent Seed Mixture
Not a Bid Item (See Section H)

Type 2 Erosion Control Blanket

Sediment Filter Bag

LEGEND

- Drainage Arrow
- (VB) Vegetated Buffer Strip
- (CE) Stabilized Construction Entrance
- (TS) Topsoil Stockpile
- (M) On-Site Construction Material Storage Area
- (D) Dumpster or other Trash and Debris Container
- (V) Vehicle and Equipment Parking Area, Fueling Area, or Maintenance Area
- (CP) Concrete Plant Site
- (CW) Concrete Washout
- (AP) Asphalt Plant Site
- (WP) Work Platform
- (B) Borrow Area
- (SK) Spill Kit
- (PT) Portable Toilet

Symbols in the Legend that apply to this project are to be shown on this Title Sheet to update the SWPPP.

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5/16/2025

BEST MANAGEMENT PRACTICES

Best Management Practices (BMP) are split into three categories and are to be used throughout construction.

INITIAL PHASE

BMP from the Legend shown as Orange Symbols on the Erosion and Sediment Control Plan Sheets are to be installed In the Initial Phase prior to earth disturbing activities and remain in place for the Intermediate Phase for temporary stabilization and in the Final Phase to achieve final stabilization.

INTERMEDIATE PHASE

BMP from the Legend shown as Blue Symbols on the Erosion and Sediment Control Plan Sheets are to be installed in the Intermediate Phase for temporary stabilization and remain in place in the Final Phase to achieve final stabilization.

FINAL PHASE

BMP from the Legend shown as Green Symbols on the Erosion and Sediment Control Plan Sheets are to be installed in the Final Phase to achieve final stabilization.

85th Street

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D15	D41

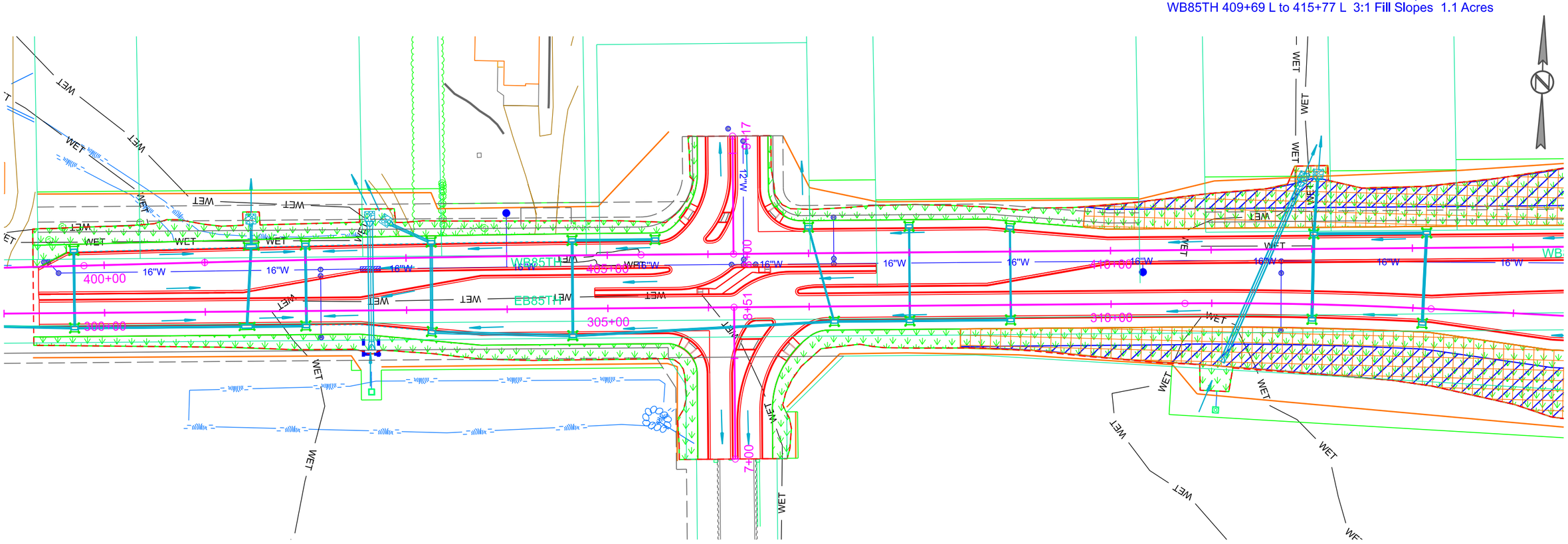
Plotting Date: 7/22/2025 Revised Date: 7/22/2025
Initials: JJB

Install Low Flow Silt Fence at the following locations:
EB85TH 299+28 R to 305+68 R Perimeter control 730 Ft
EB85TH 306+85 R to 315+93 R Perimeter control 1330 Ft
WB85TH 399+36 R to 405+82 L Perimeter control 675 Ft
WB85TH 406+76 R to 415+63 L Perimeter control 1850 Ft

Install Low Flow Silt Fence at the following locations:
EB85TH 302+63 R Inlet end of pipe 18 Ft

Install Interim Sediment Control at Inlets, Manholes, and Junction Boxes before the placement of surfacing at the following locations:
WB85TH 399+70 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 401+47 L 32 Ft Low Flow Silt Fence 40 Ft Sediment Filter Bags
WB85TH 402+00 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 403+25 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 404+65 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 405+48 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 407+00 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 408+00 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 409+00 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 412+00 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 413+10 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags

Utilize Surface Roughening at the following locations:
EB85TH 308+50 R to 316+05 R 3:1 Fill Slopes 1.0 Acres
WB85TH 409+69 L to 415+77 L 3:1 Fill Slopes 1.1 Acres



Install Interim Sediment Control at Inlets, Manholes, and Junction Boxes before the placement of surfacing at the following locations:
EB85TH 299+70 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 301+41 R 32 Ft Low Flow Silt Fence 40 Ft Sediment Filter Bags
EB85TH 302+00 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 303+25 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 304+65 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 307+25 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 308+00 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 309+00 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 312+00 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 313+10 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags

Install Sediment Control at Type S Drop Inlets after the placement of surfacing at the following locations:
WB85TH 399+70 L 8 Ft
WB85TH 401+47 L 13 Ft
WB85TH 402+00 L 8 Ft
WB85TH 402+65 L 8 Ft
WB85TH 403+25 L 8 Ft
WB85TH 404+65 L 8 Ft
WB85TH 405+48 L 8 Ft
WB85TH 407+00 L 8 Ft
WB85TH 408+00 L 8 Ft
WB85TH 409+00 L 8 Ft
WB85TH 412+02 L 8 Ft
WB85TH 413+14 L 8 Ft
EB85TH 299+70 R 8 Ft
EB85TH 301+41 R 13 Ft
EB85TH 302+00 R 8 Ft
EB85TH 303+25 R 8 Ft
EB85TH 304+65 R 8 Ft
EB85TH 307+25 R 8 Ft
EB85TH 308+00 R 8 Ft
EB85TH 309+00 R 8 Ft
EB85TH 312+00 R 8 Ft
EB85TH 313+10 R 8 Ft

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SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

85th Street

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D16	D41

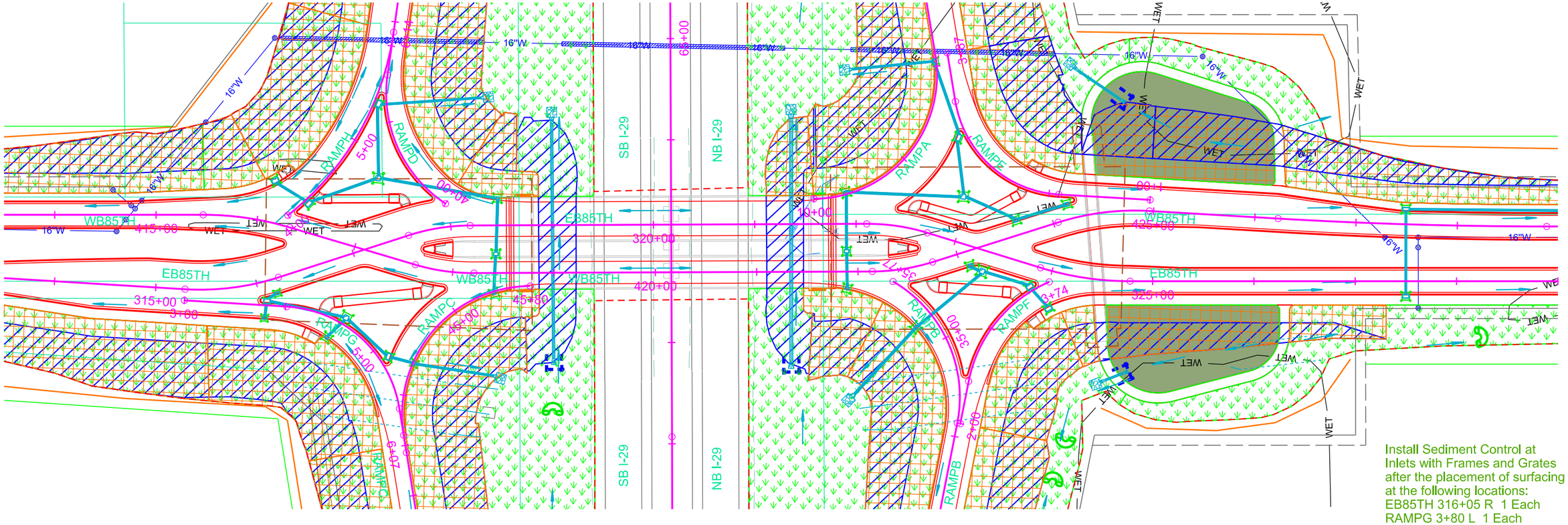
Plotting Date: 7/22/2025 Revised Date: 7/22/2025
Initials: JJB

Install Low Flow Silt Fence at the following locations:
EB85TH 324+58 R to 326+85 R Perimeter control 300 Ft
WB85TH 424+48 L to 439+26 L Perimeter control 1720 Ft

Install Low Flow Silt Fence at the following locations:
EB85TH 324+88 R Inlet end of pipe 18 Ft
WB85TH 424+79 L Inlet end of pipe 18 Ft
I_29 61+74 L Inlet end of pipe 18 Ft
I_29 61+56 R Inlet end of pipe 18 Ft

Utilize Surface Roughening at the following locations:
RAMPC 38+50 R to 45+73 R 3:1 Fill Slopes 0.5 Acres
WB85TH 418+75 L to 419+22 L Bridge Abutment Slope West 0.2 Acres
WB85TH 421+10 L to 421+46 L Bridge Abutment Slope East 0.2 Acres
RAMPB 26+50 L to 36+29 L 3:1 Fill Slopes 0.5 Acres
RAMPB 26+27 R to 34+71 R 3:1 Fill Slopes 0.7 Acres
WB85TH 424+22 L to 431+16 L 3:1 Fill Slopes 1.0 Acres
RAMPA 10+00 L to 20+13 L 3:1 Fill Slopes 0.6 Acres
RAMPD 39+60 R to 51+44 R 3:1 Fill Slopes 0.7 Acres

Install Sediment Control at Type S Drop Inlets after the placement of surfacing at the following locations:
WB85TH 413+02 L 8 Ft
EB85TH 316+05 R 8 Ft
RAMPG 4+57 L 8 Ft
RAMPG 5+10 L 8 Ft
RAMPG 5+64 R 8 Ft
RAMPC 44+30 L 8 Ft
RAMPC 44+30 L 8 Ft
RAMPC 45+43 R 8 Ft
RAMPH 4+12 L 8 Ft
RAMPH 4+25 R 8 Ft
RAMPH 5+46 R 8 Ft
RAMPA 10+33 L 8 Ft
RAMPA 11+41 R 8 Ft
WB85TH 421+89 R 8 Ft
WB85TH 423+05 R 8 Ft
WB85TH 423+65 L 8 Ft
WB85TH 424+17 L 8 Ft
EB85TH 321+90 L 8 Ft
RAMPF 2+52 R 8 Ft
RAMPF 3+55 L 8 Ft
RAMPB 34+65 R 8 Ft
EB85TH 327+50 R 8 Ft
WB85TH 427+49 L 8 Ft



Install Sediment Control at Inlets with Frames and Grates after the placement of surfacing at the following locations:
EB85TH 316+05 R 1 Each
RAMPG 3+80 L 1 Each
RAMPC 44+30 R 1 Each

Install Interim Sediment Control at Inlets, Manholes, and Junction Boxes before the placement of surfacing at the following locations:
EB85TH 316+17 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPG 3+80 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPG 3+81 L 28 Ft Low Flow Silt Fence 36 Ft Sediment Filter Bags
RAMPG 4+51 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPG 4+58 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
RAMPC 44+30 L 28 Ft Low Flow Silt Fence 36 Ft Sediment Filter Bags
RAMPC 44+33 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPC 45+43 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
EB85TH 318+44 R 22 Ft Low Flow Silt Fence 30 Ft Sediment Filter Bags
EB85TH 318+46 L 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPH 4+12 L 28 Ft Low Flow Silt Fence 36 Ft Sediment Filter Bags
RAMPH 4+23 R 28 Ft Low Flow Silt Fence 36 Ft Sediment Filter Bags
RAMPH 4+82 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
RAMPH 5+42 R 28 Ft Low Flow Silt Fence 36 Ft Sediment Filter Bags
RAMPA 10+33 L 22 Ft Low Flow Silt Fence 30 Ft Sediment Filter Bags
RAMPA 11+41 R 28 Ft Low Flow Silt Fence 36 Ft Sediment Filter Bags
RAMPA 12+05 L 22 Ft Low Flow Silt Fence 30 Ft Sediment Filter Bags
WB85TH 421+89 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
WB85TH 421+89 L 28 Ft Low Flow Silt Fence 36 Ft Sediment Filter Bags
WB85TH 423+09 R 22 Ft Low Flow Silt Fence 30 Ft Sediment Filter Bags
WB85TH 423+65 L 22 Ft Low Flow Silt Fence 30 Ft Sediment Filter Bags
WB85TH 424+17 L 22 Ft Low Flow Silt Fence 30 Ft Sediment Filter Bags
EB85TH 322+93 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 323+34 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
RAMPF 3+55 L 28 Ft Low Flow Silt Fence 36 Ft Sediment Filter Bags
RAMPF 3+61 R 28 Ft Low Flow Silt Fence 36 Ft Sediment Filter Bags
RAMPB 35+26 L 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
EB85TH 327+50 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 427+50 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 16819
JENNIFER A. BALK
SOUTH DAKOTA
7-23-2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

Plotted From - ngjersvik File - ...\D_06JQ_01.dgn

85th Street

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D17	D41

Plotting Date: 7/22/2025 Revised Date: 7/22/2025
Initials: JJB

Utilize Surface Roughening at the following locations:
WB85TH 424+22 L to 431+16 L 3:1 Fill Slopes 1.0 Acres

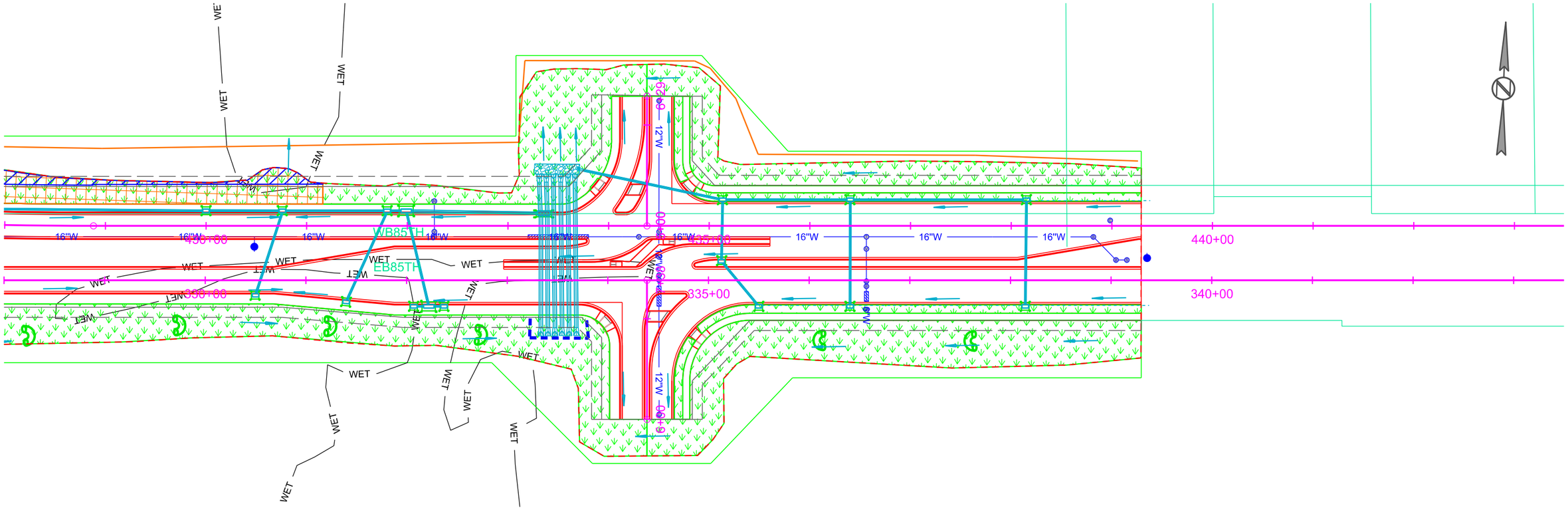
Install Low Flow Silt Fence at the following locations:
WB85TH 424+48 L to 439+26 L Perimeter control 1720 Ft

Install Low Flow Silt Fence at the following locations:
EB85TH 333+53 R Inlet end of pipes 100 Ft

Install 12" Diameter Erosion Control Wattles across the highway ditch channel bottom at the following locations:
EB85TH 328+30 R 30 Ft
EB85TH 329+80 R 30 Ft
EB85TH 331+30 R 30 Ft
EB85TH 332+80 R 30 Ft
EB85TH 336+05 R 20 Ft
EB85TH 337+54 R 20 Ft

Install Sediment Control at Inlets with Frames and Grates after the placement of surfacing at the following locations:
WB85TH 433+36 L 4 Each

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN



Install Interim Sediment Control at Inlets, Manholes, and Junction Boxes before the placement of surfacing at the following locations:
EB85TH 330+50 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 331+40 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 332+07 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 332+22 R 32 Ft Low Flow Silt Fence 40 Ft Sediment Filter Bags
EB85TH 332+37 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 335+50 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 336+41 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
EB85TH 338+15 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 430+01 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 430+77 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 431+80 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 432+00 L 32 Ft Low Flow Silt Fence 40 Ft Sediment Filter Bags
WB85TH 433+36 L 40 Ft Low Flow Silt Fence 48 Ft Sediment Filter Bags
WB85TH 435+13 R 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 435+14 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 436+41 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags
WB85TH 438+16 L 24 Ft Low Flow Silt Fence 32 Ft Sediment Filter Bags

Install Sediment Control at Inlets with Frames and Grates after the placement of surfacing at the following locations:
EB85TH 330+50 R 8 Ft
EB85TH 331+40 R 8 Ft
EB85TH 332+07 R 8 Ft
EB85TH 332+22 R 13 Ft
EB85TH 332+37 R 8 Ft
EB85TH 335+50 R 8 Ft
EB85TH 336+41 R 8 Ft
EB85TH 338+15 R 8 Ft
WB85TH 430+00 L 8 Ft
WB85TH 430+76 L 8 Ft
WB85TH 431+80 L 8 Ft
WB85TH 431+99 L 13 Ft
WB85TH 435+13 L 8 Ft
WB85TH 435+12 R 8 Ft
WB85TH 436+40 L 8 Ft
WB85TH 438+15 L 8 Ft

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 16819
JENNIFER A. BALK
SOUTH DAKOTA
7-23-2025

I-29

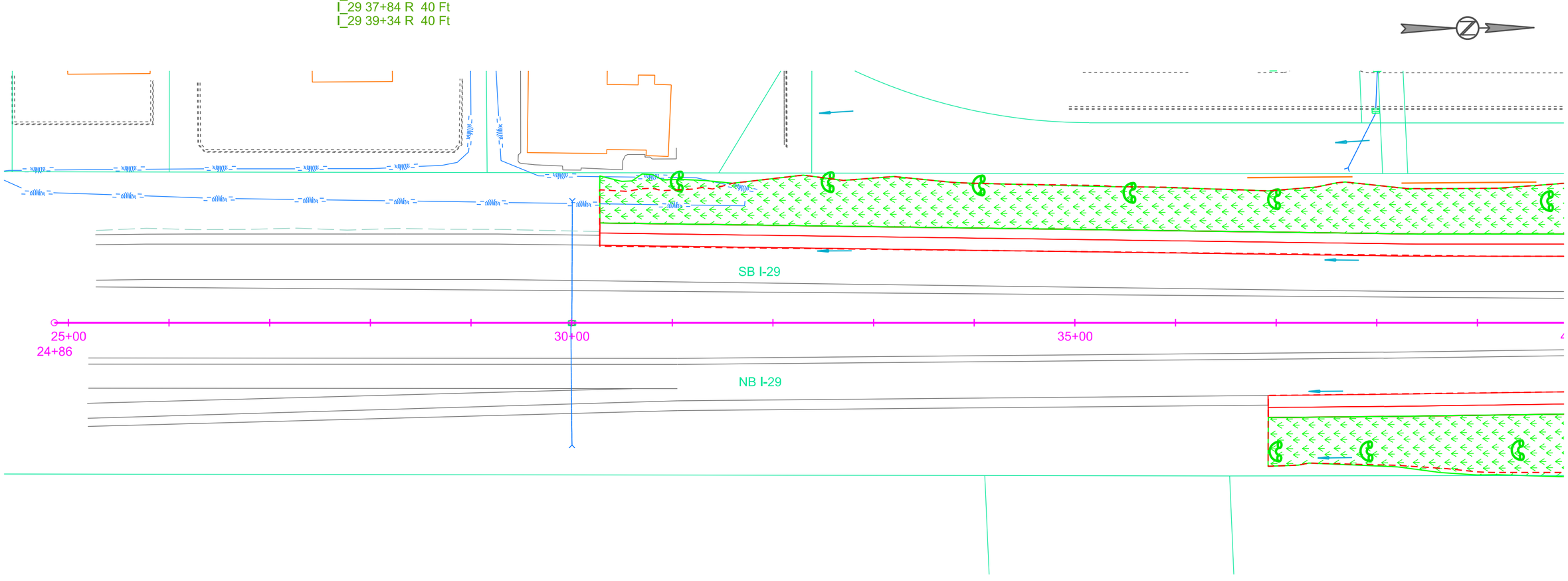
FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D18	D41

Plotting Date: 5/15/2025

Install Low Flow Silt Fence at the following locations:
I_29 36+71 L to 39+59 L Perimeter control 240 Ft

Install 12" Diameter Erosion Control Wattles across the highway ditch channel bottom at the following locations:
I_29 30+99 L 40 Ft
I_29 32+49 L 40 Ft
I_29 33+99 L 40 Ft
I_29 35+54 L 40 Ft
I_29 36+92 L 40 Ft
I_29 39+64 L 40 Ft
I_29 36+94 R 40 Ft
I_29 37+84 R 40 Ft
I_29 39+34 R 40 Ft



REGISTERED PROFESSIONAL ENGINEER
REG. NO.
16819
JENNIFER A.
BALK
SOUTH DAKOTA
5/16/2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

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I-29

FOR BIDDING PURPOSES ONLY

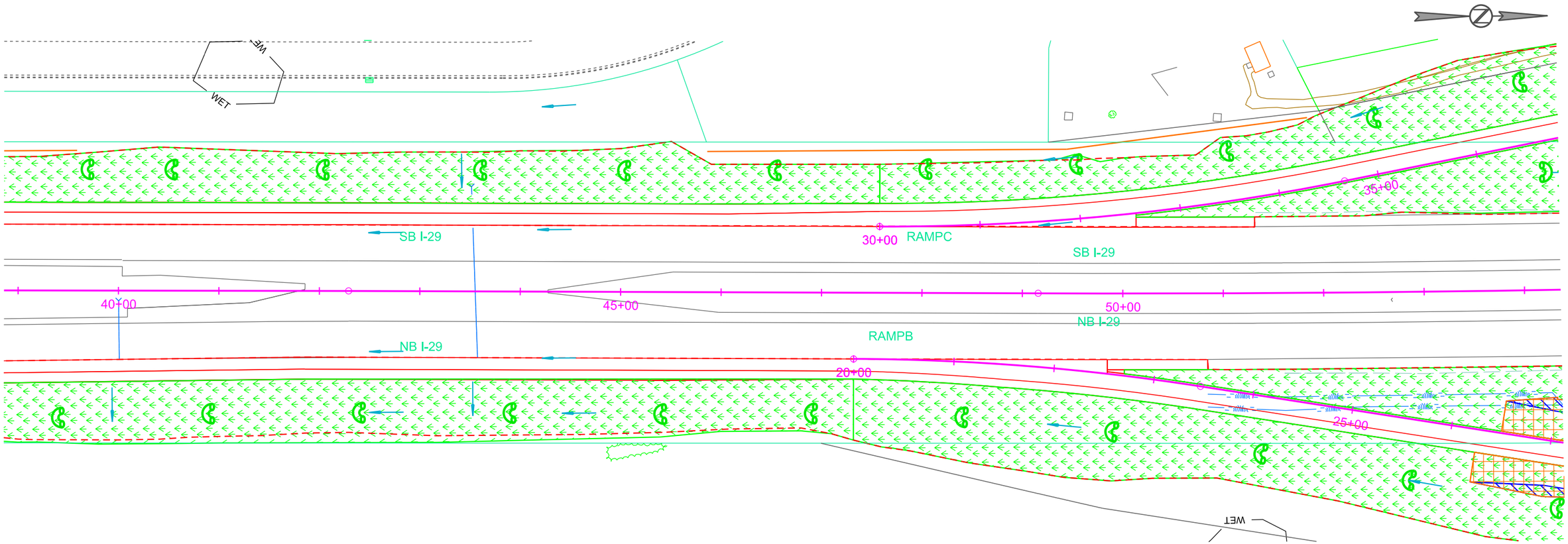
SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D19	D41

Plotting Date: 5/15/2025

Install Low Flow Silt Fence at the following locations:
I_29 45+86 L to 51+85 L Perimeter control 600 Ft

Install 12" Diameter Erosion Control Wattles across the highway ditch channel bottom at the following locations:

I_29 40+47 L 40 Ft
I_29 41+97 L 40 Ft
I_29 43+55 L 40 Ft
I_29 44+97 L 40 Ft
I_29 46+48 L 40 Ft
I_29 40+84 R 40 Ft
I_29 42+34 R 40 Ft
I_29 43+84 R 40 Ft
I_29 45+34 R 40 Ft
I_29 46+84 R 40 Ft
RAMPC 30+41 L 40 Ft
RAMPC 31+94 L 40 Ft
RAMPC 33+48 L 40 Ft
RAMPC 35+01 L 40 Ft
RAMPC 36+51 L 40 Ft
RAMPC 36+69 R 40 Ft
RAMPB 21+04 R 40 Ft
RAMPB 22+58 R 40 Ft
RAMPB 24+11 R 40 Ft
RAMPB 25+61 R 40 Ft
RAMPB 27+11 R 40 Ft



REGISTERED PROFESSIONAL ENGINEER
REG. NO. 16819
JENNIFER A. BALK
SOUTH DAKOTA
Jennifer A Balk
5/16/2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

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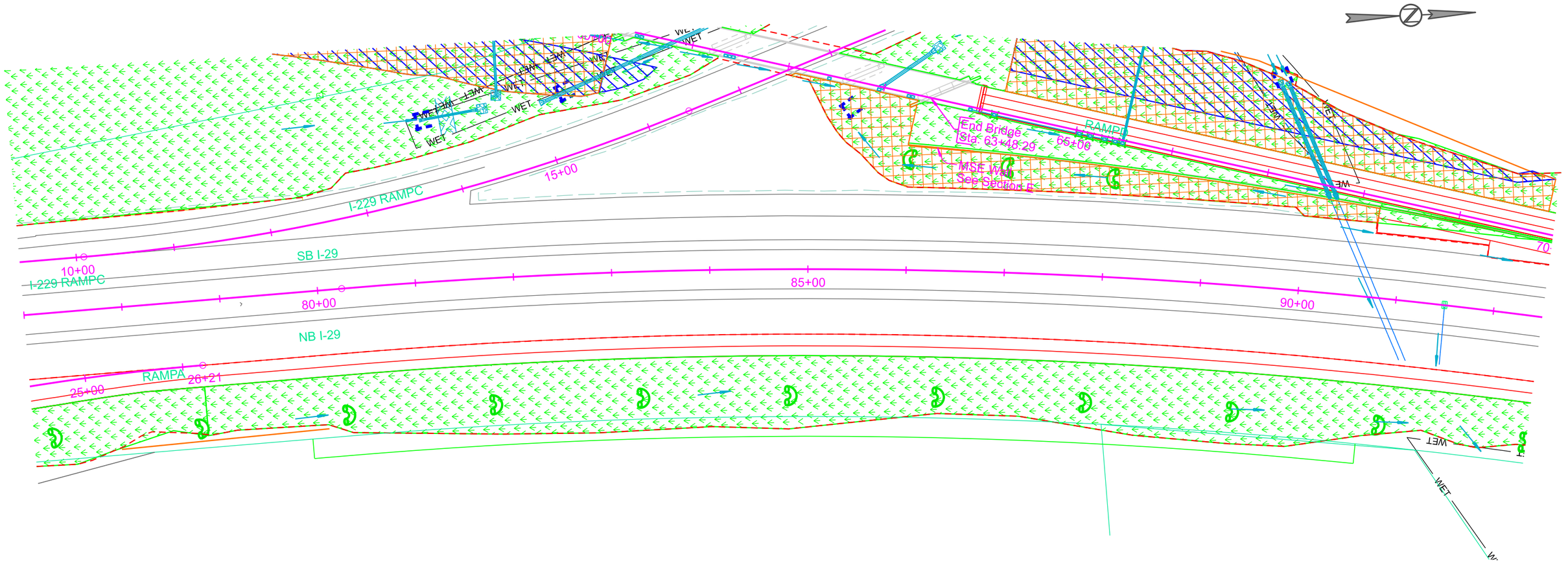
I-29

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D20	D41

Plotting Date: 5/15/2025

Install Low Flow Silt Fence at the following locations:
I_29 77+88 R to 80+00 R Perimeter control 220 Ft



Install 12" Diameter Erosion Control Wattles
across the highway ditch channel bottom
at the following locations:

RAMPA 24+67 R 40 Ft	I_29 80+28 R 40 Ft
RAMPA 26+21 R 40 Ft	I_29 81+81 R 40 Ft
RAMPD 63+35 R 30 Ft	I_29 83+34 R 40 Ft
RAMPD 64+34 R 30 Ft	I_29 84+86 R 40 Ft
RAMPD 65+41 R 30 Ft	I_29 86+41 R 40 Ft
	I_29 88+13 R 40 Ft
	I_29 89+48 R 40 Ft
	I_29 91+01 R 40 Ft
	I_29 92+55 R 40 Ft

REGISTERED PROFESSIONAL ENGINEER
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BALK
SOUTH DAKOTA
5/16/2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

Plotted From - ngjersvik File - ...\D_06JQ_02.dgn

I-29

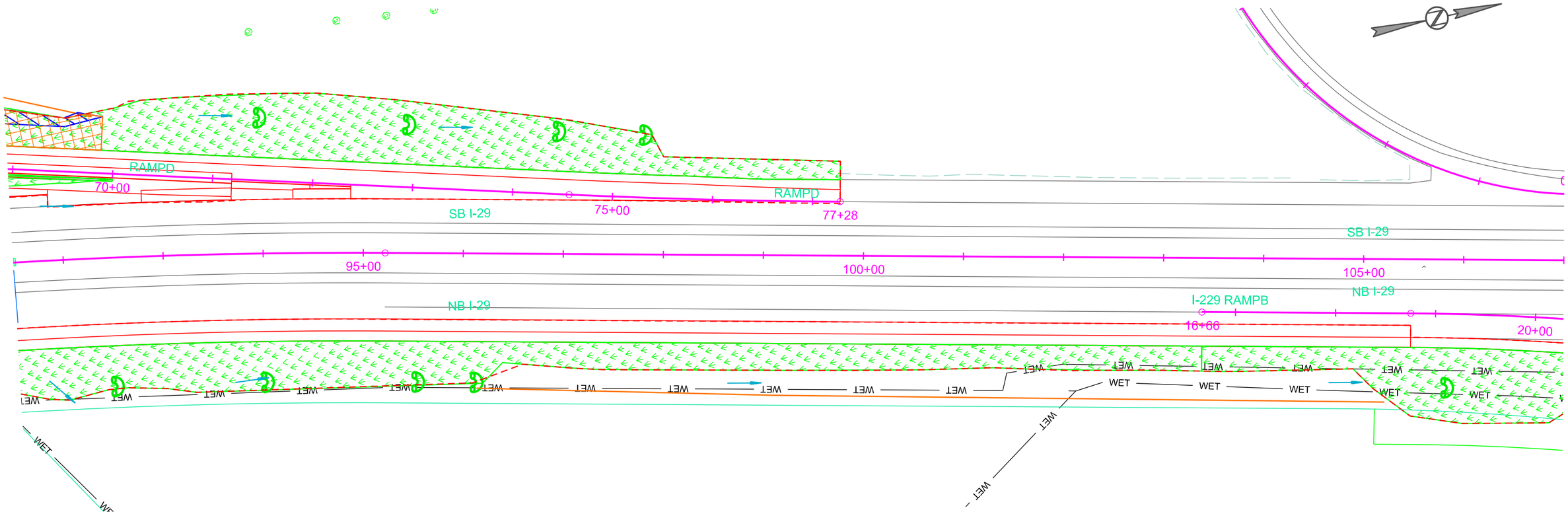
FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D21	D41

Plotting Date: 5/15/2025

Install 12" Diameter Erosion Control Wattles
across the highway ditch channel bottom
at the following locations:
RAMPD 71+49 L 40 Ft
RAMPD 72+99 L 40 Ft
RAMPD 74+48 L 40 Ft
RAMPD 75+37 L 40 Ft
I_29 94+07 R 40 Ft
I_29 95+60 R 40 Ft
I_29 96+20 R 40 Ft
229RAMPB 19+30 R 40 Ft

Install Low Flow Silt Fence at the following locations:
I_29 96+14 R to 105+22 R Perimeter control 910 Ft



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BALK
SOUTH DAKOTA
5/16/2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

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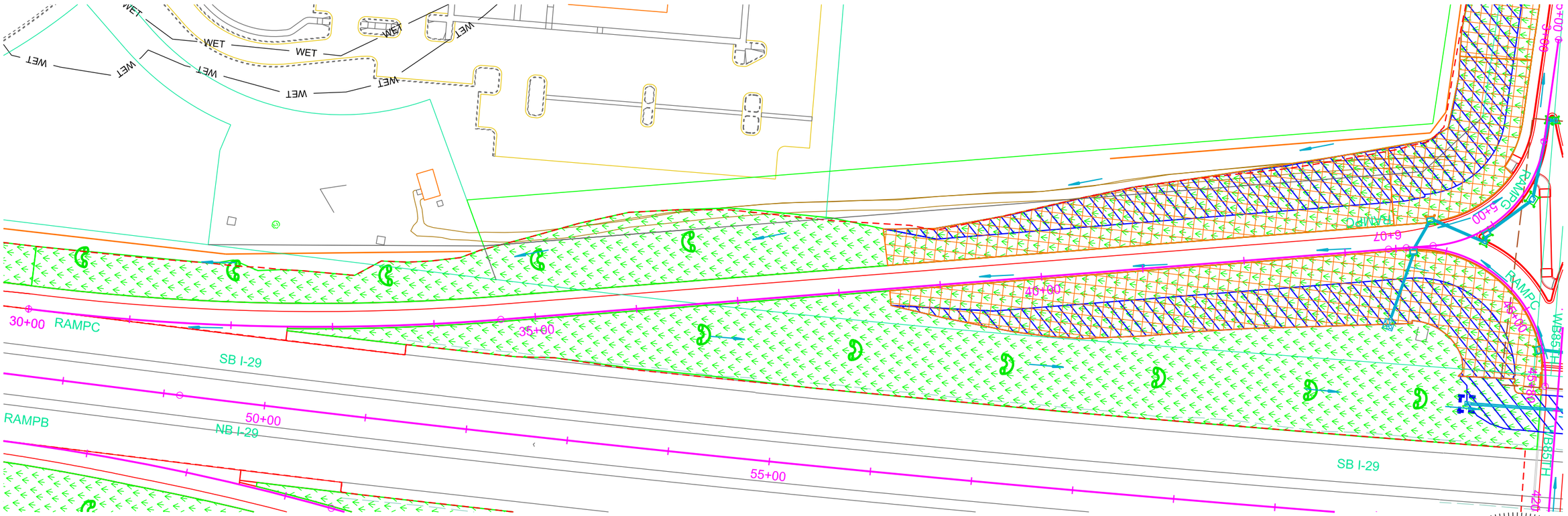
RAMP C

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D22	D41

Plotting Date: 5/15/2025

Install 12" Diameter Erosion Control Wattles
across the highway ditch channel bottom
at the following locations:
RAMPC 38+16 R 40 Ft
RAMPC 39+65 R 40 Ft
RAMPC 41+10 R 40 Ft
RAMPC 42+61 R 40 Ft
RAMPC 46+04 R 40 Ft



REGISTERED PROFESSIONAL ENGINEER
REG. NO. 16819
JENNIFER A. BALK
SOUTH DAKOTA
5/16/2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

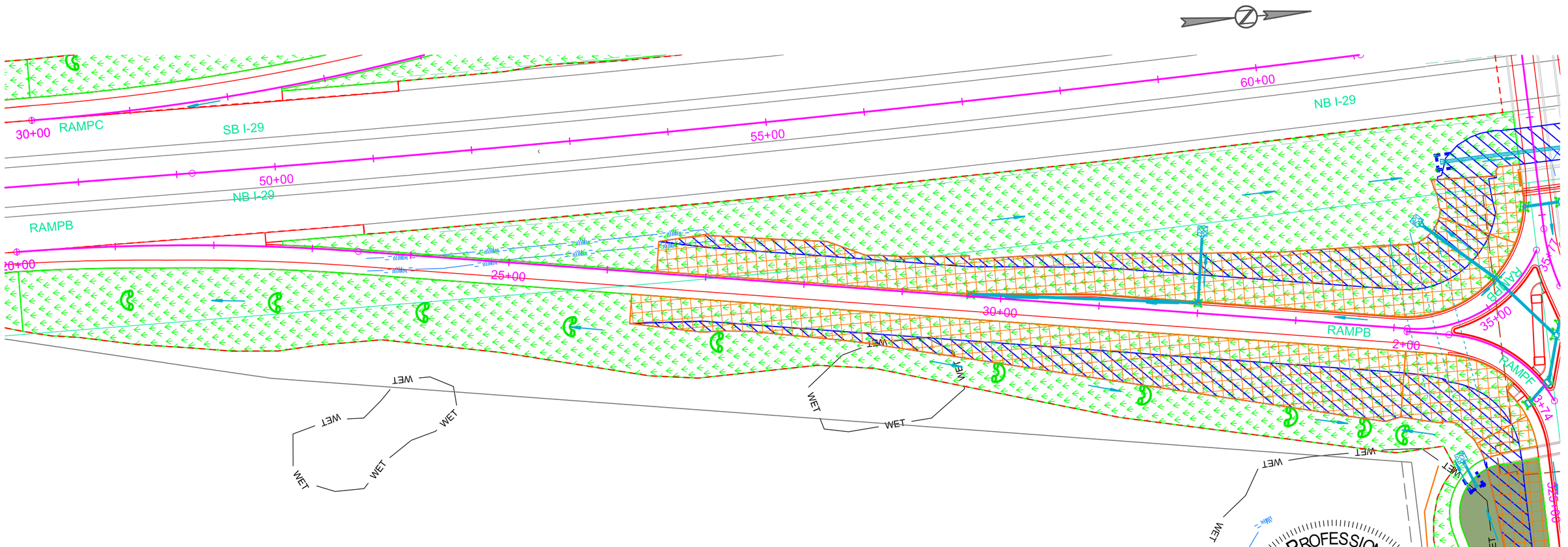
RAMP B

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D23	D41

Plotting Date: 7/22/2025 Revised Date: 7/22/2025
Initials: JJB

Utilize Surface Roughening at the following locations:
RAMPB 26+50 L to 36+29 L 3:1 Fill Slopes 0.5 Acres
RAMPB 26+27 R to 34+71 R 3:1 Fill Slopes 0.7 Acres



Install 12" Diameter Erosion Control Wattles across the highway ditch channel bottom at the following locations:
RAMPB 21+04 R 40 Ft
RAMPB 22+58 R 40 Ft
RAMPB 24+11 R 40 Ft
RAMPB 25+61 R 40 Ft
RAMPB 27+11 R 40 Ft
RAMPB 30+09 R 40 Ft
RAMPB 31+58 R 40 Ft
RAMPB 33+09 R 40 Ft
RAMPB 33+84 R 40 Ft
RAMPB 34+05 R 40 Ft

Install Interim Sediment Control at Inlets, Manholes, and Junction Boxes before the placement of surfacing at the following locations:
RAMPB 29+69 L 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPB 32+00 L 22 Ft Low Flow Silt Fence 30 Ft Sediment Filter Bags

Install Sediment Control at Inlets with Frames and Grates after the placement of surfacing at the following locations:
RAMPB 33+73 L 1 Each
RAMPB 31+00 L 1 Each
RAMPB 29+69 L 1 Each

REGISTERED PROFESSIONAL ENGINEER
REG. NO.
16819
JENNIFER A.
BALK
SOUTH DAKOTA
7-23-2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

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RAMP D

FOR BIDDING PURPOSES ONLY

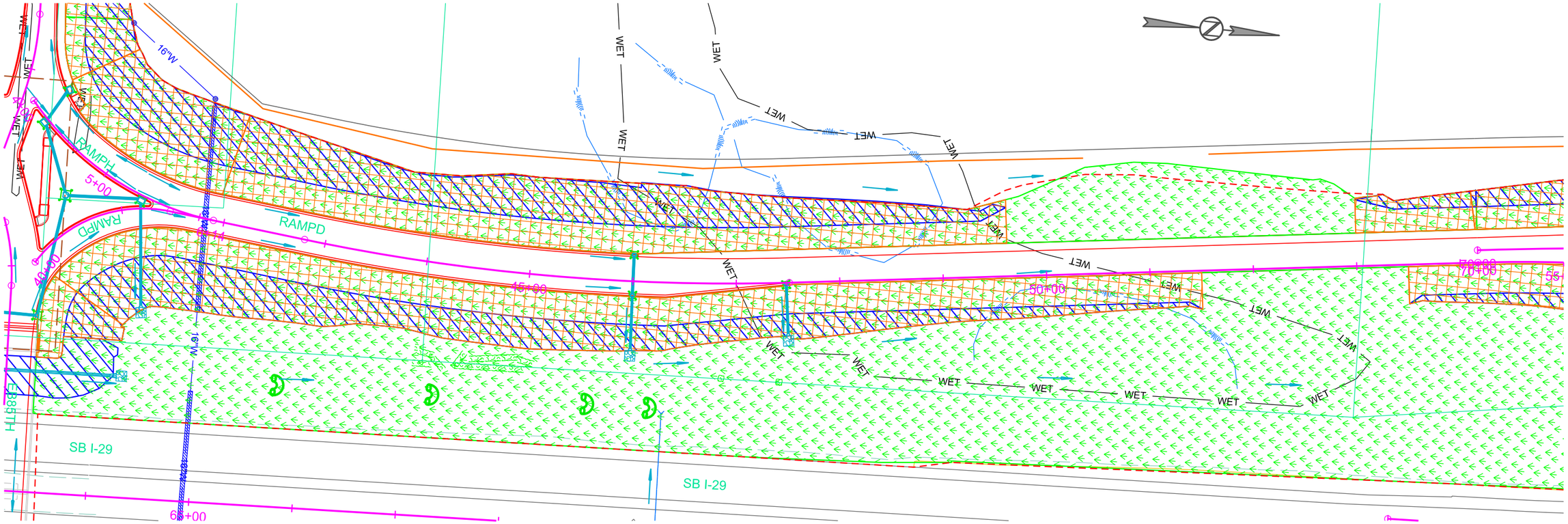
SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D24	D41

Plotting Date: 7/22/2025 Revised Date: 7/22/2025
Initials: JJB

Utilize Surface Roughening at the following locations:
RAMPD 53+50 R to 60+69 R 3:1 Fill Slopes 0.6 Acres

Install 12" Diameter Erosion Control Wattles across the highway ditch channel bottom at the following locations:
RAMPD 42+87 R 40 Ft
RAMPD 44+28 R 40 Ft
RAMPD 45+68 R 40 Ft
RAMPD 46+26 R 40 Ft
RAMPD 50+72 L 40 Ft
RAMPD 51+98 L 40 Ft

Install Low Flow Silt Fence at the following locations:
RAMPD 51+60 L to 71+97 L Perimeter control 2255 Ft



Install Interim Sediment Control at Inlets, Manholes, and Junction Boxes before the placement of surfacing at the following locations:
RAMPD 46+00 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPD 46+00 L 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPD 47+48 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags

Install Sediment Control at Inlets with Frames and Grates after the placement of surfacing at the following locations:
RAMPD 46+00 R 1 Each
RAMPD 46+00 L 1 Each
RAMPD 47+48 R 1 Each

REGISTERED PROFESSIONAL ENGINEER
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SOUTH DAKOTA
7-23-2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

RAMP D

FOR BIDDING PURPOSES ONLY

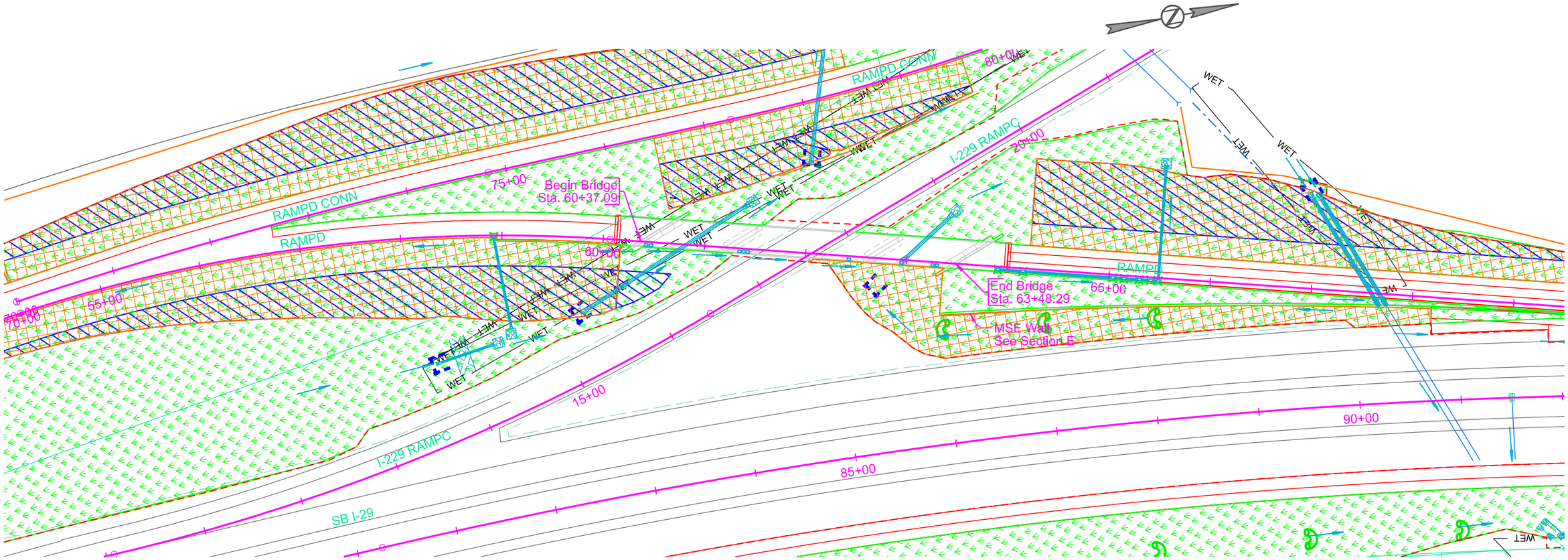
SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D25	D41

Plotting Date: 7/22/2025 Revised Date: 7/22/2025
Initials: JJB

Install Low Flow Silt Fence at the following locations:
RAMPD 58+26 R Inlet end of pipe 18 Ft
RAMPD 59+75 R Inlet end of pipe 18 Ft
RAMPD 61+99 L Inlet end of pipe 18 Ft
RAMPD 62+68 R Inlet end of pipe 18 Ft
RAMPD 66+89 L Inlet end of pipe 36 Ft

Utilize Surface Roughening at the following locations:
RAMPD 53+50 R to 60+69 R 3:1 Fill Slopes 0.6 Acres
RAMPD 64+21 L to 69+88 L 3:1 Fill Slopes 0.5 Acres
RAMPD_CONN 70+00 L to 78+50 L 3:1 Fill Slopes 0.8 Acres
RAMPD_CONN 76+49 R to 79+63 R 3:1 Fill Slopes 0.2 Acres

Install Low Flow Silt Fence at the following locations:
RAMPD 51+60 L to 71+97 L Perimeter control 2255 Ft
RAMPD 65+59 L to 69+76 L Perimeter control 470 Ft



Install Interim Sediment Control at Inlets, Manholes, and Junction Boxes before the placement of surfacing at the following locations:
RAMPD 58+92 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPD 63+90 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPD 64+15 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPD 65+04 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPD 65+15 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPD 65+30 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPD 65+41 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags
RAMPD 65+49 R 18 Ft Low Flow Silt Fence 26 Ft Sediment Filter Bags

Install Sediment Control at Inlets with Frames and Grates after the placement of surfacing at the following locations:
RAMPD 58+92 R 1 Each
RAMPD 64+15 R 1 Each
RAMPD 65+04 R 1 Each
RAMPD 65+15 R 1 Each
RAMPD 65+30 R 1 Each
RAMPD 65+41 R 1 Each
RAMPD 65+49 R 1 Each

REGISTERED PROFESSIONAL ENGINEER
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16819
JENNIFER A.
BALK
SOUTH DAKOTA
7-23-2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

RAMP D CONN & I-229 RAMP C

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D26	D41

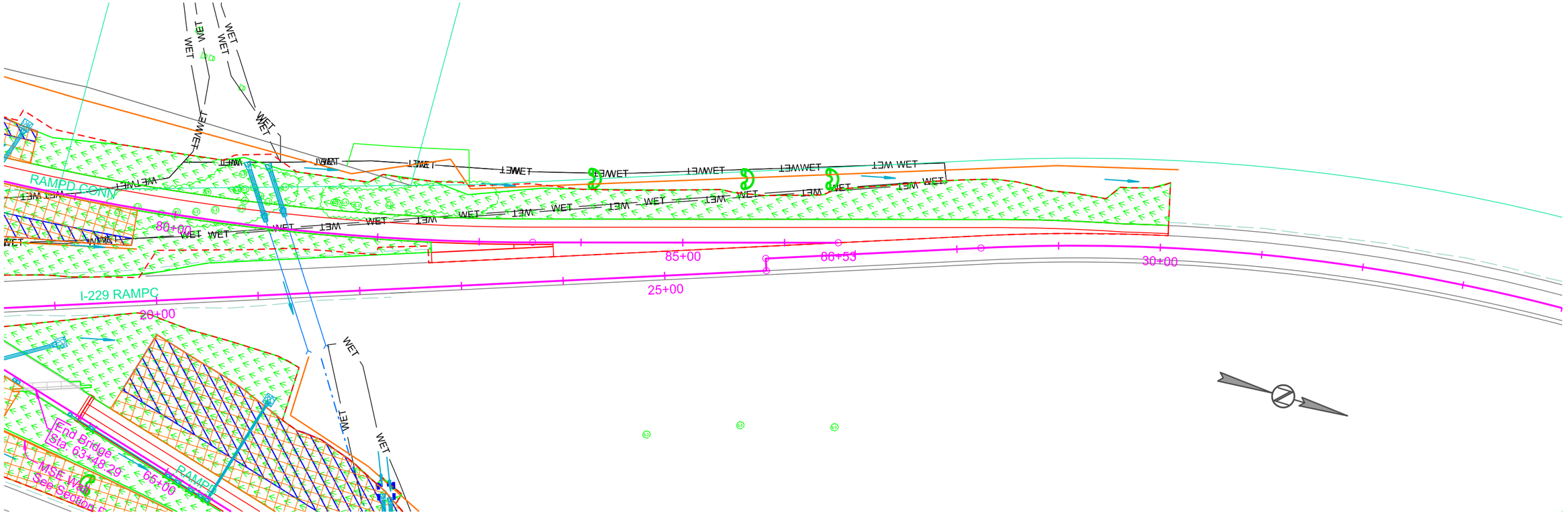
Plotting Date: 5/15/2025

Install Low Flow Silt Fence at the following locations:
RAMPD_CONN 80+68 L Inlet end of pipe 18 Ft
RAMPD 66+89 L Inlet end of pipe 36 Ft

Utilize Surface Roughening at the following locations:
RAMPD_CONN 70+00 L to 78+50 L 3:1 Fill Slopes 0.8 Acres
RAMPD_CONN 76+49 R to 79+63 R 3:1 Fill Slopes 0.2 Acres

Install Low Flow Silt Fence at the following locations:
RAMPD 51+60 L to 71+97 L Perimeter control 2255 Ft
RAMPD 65+59 L to 69+76 L Perimeter control 470 Ft
RAMPD_CONN 77+61 R to 79+68 R Perimeter control Gore Area 215 Ft

Install 12" Diameter Erosion Control Wattles
across the highway ditch channel bottom
at the following locations:
RAMPD_CONN 84+19 L 30 Ft
RAMPD_CONN 85+69 L 30 Ft
RAMPD_CONN 86+83 L 30 Ft



REGISTERED PROFESSIONAL ENGINEER
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JENNIFER A.
BALK
SOUTH DAKOTA
5/16/2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

RAMP D CONN

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D27	D41

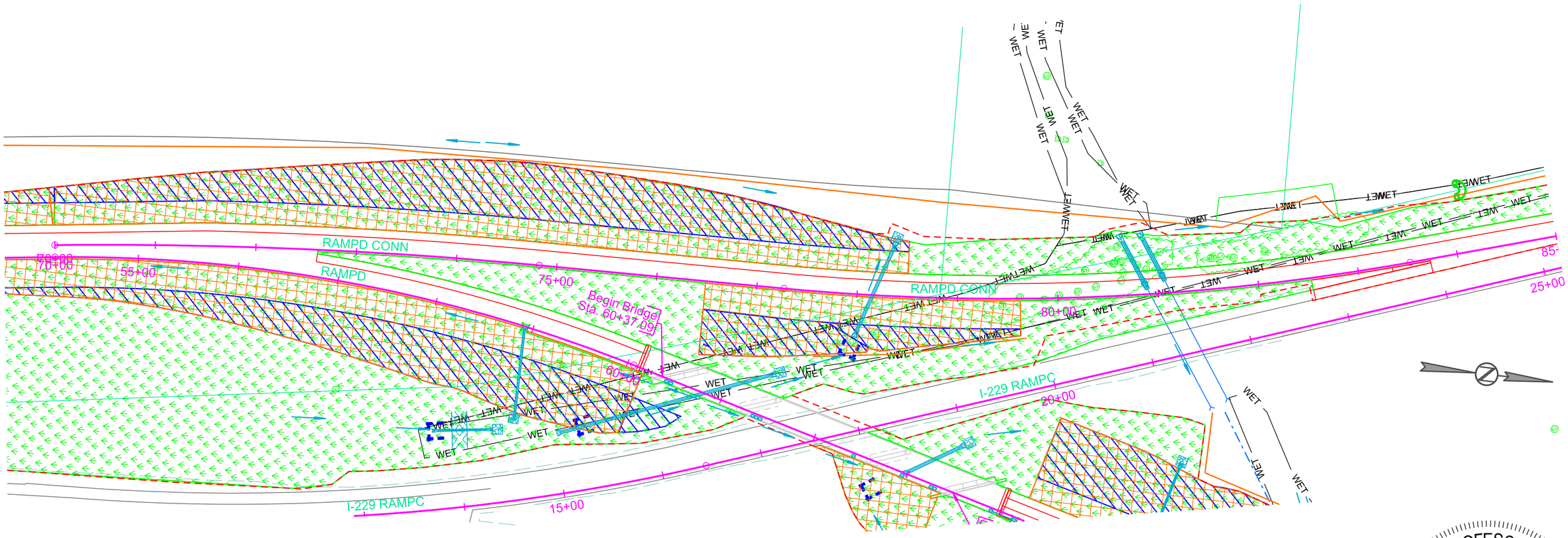
Plotting Date: 5/15/2025

Install Low Flow Silt Fence at the following locations:
RAMPD_CONN 80+68 L Inlet end of pipe 18 Ft

Install Low Flow Silt Fence at the following locations:
RAMPD 51+60 L to 71+97 L Perimeter control 2255 Ft
RAMPD 65+59 L to 69+76 L Perimeter control 470 Ft
RAMPD_CONN 77+61 R to 79+68 R Perimeter control Gore Area 215 Ft

Install 12" Diameter Erosion Control Wattles
across the highway ditch channel bottom
at the following locations:
RAMPD_CONN 84+19 L 30 Ft

Utilize Surface Roughening at the following locations:
RAMPD_CONN 70+00 L to 78+50 L 3:1 Fill Slopes 0.8 Acres
RAMPD_CONN 76+49 R to 79+63 R 3:1 Fill Slopes 0.2 Acres



REGISTERED PROFESSIONAL ENGINEER
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BALK
SOUTH DAKOTA
5/16/2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

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RAMP A

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D28	D41

Plotting Date: 7/22/2025 Revised Date: 7/22/2025
Initials: JJB

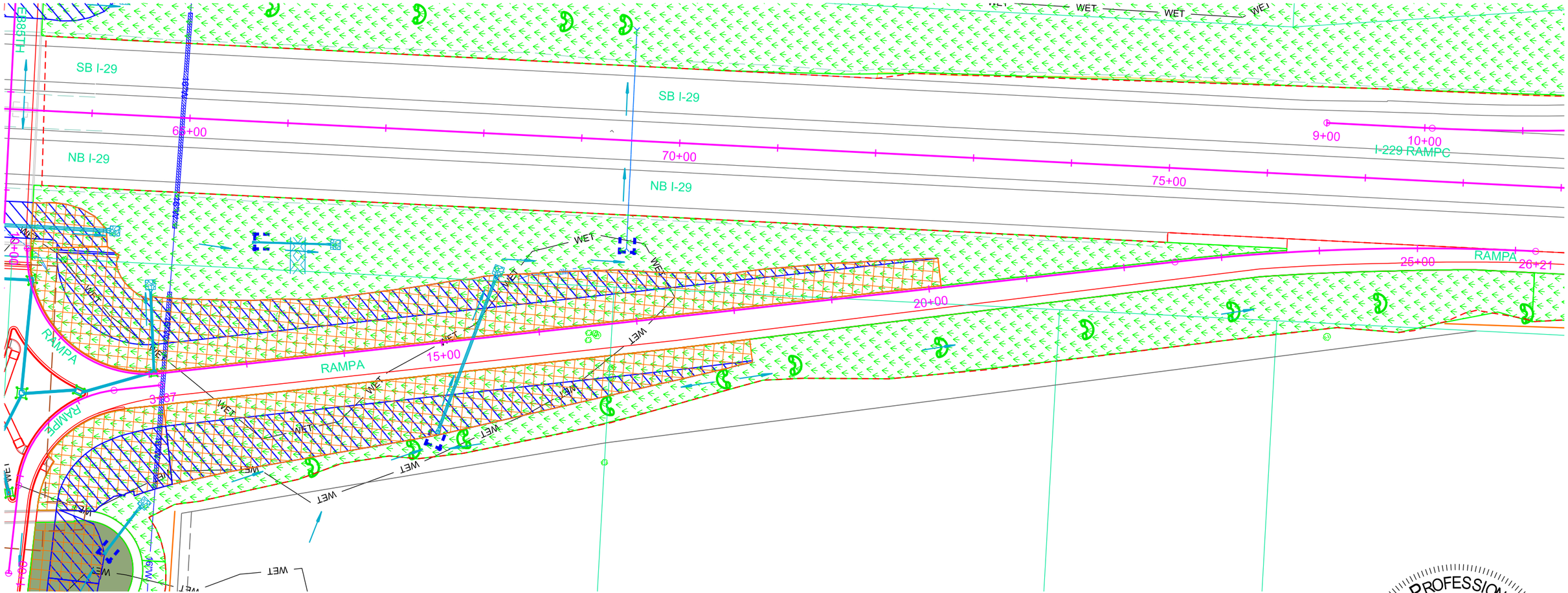
Utilize Surface Roughening at the following locations:
WB85TH 424+22 L to 431+16 L 3:1 Fill Slopes 1.0 Acres
RAMPA 10+00 L to 20+13 L 3:1 Fill Slopes 0.6 Acres

Install Low Flow Silt Fence at the following locations:
RAMPA 14+82 R Inlet end of pipe 18 Ft
I_29 65+72 R Inlet end of pipe 18 Ft
I_29 69+53 R Inlet end of pipe 18 Ft

Install Low Flow Silt Fence at the following locations:
I_29 77+88 R to 80+00 R Perimeter control 220 Ft

Install 12" Diameter Erosion Control Wattles
across the highway ditch channel bottom
at the following locations:

RAMPA 13+62 R 40 Ft	RAMPA 21+62 R 40 Ft
RAMPA 14+66 R 40 Ft	RAMPA 23+13 R 40 Ft
RAMPA 15+06 R 40 Ft	RAMPA 24+67 R 40 Ft
RAMPA 16+54 R 40 Ft	RAMPA 26+21 R 40 Ft
RAMPA 17+76 R 40 Ft	
RAMPA 18+59 R 40 Ft	
RAMPA 20+12 R 40 Ft	



REGISTERED PROFESSIONAL ENGINEER
REG. NO. 16819
JENNIFER A. BALK
SOUTH DAKOTA
7-23-2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

I-229 RAMP B

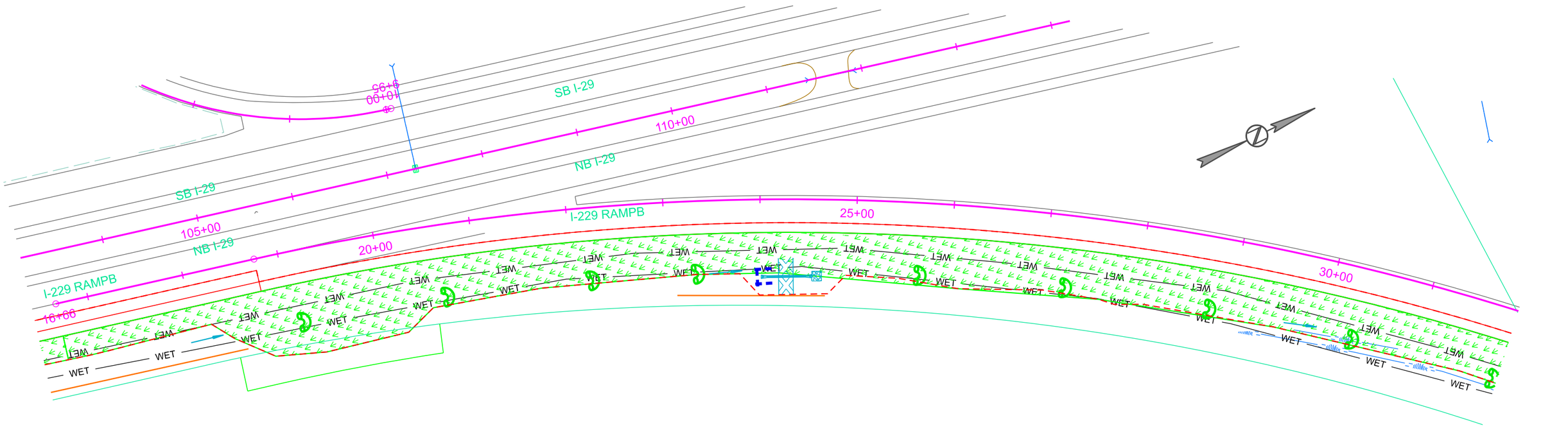
FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D29	D41

Plotting Date: 5/15/2025

Install Low Flow Silt Fence at the following locations:
I_29 96+14 R to 105+22 R Perimeter control 910 Ft
I_29 109+64 R to 111+12 R Perimeter control 155 Ft

Install Low Flow Silt Fence at the following locations:
229RAMPB 23+92 R Inlet end of pipe 18 Ft



Install 12" Diameter Erosion Control Wattles
across the highway ditch channel bottom
at the following locations:
229RAMPB 19+30 R 40 Ft
229RAMPB 20+73 R 40 Ft
229RAMPB 22+28 R 40 Ft
229RAMPB 23+38 R 40 Ft
229RAMPB 25+75 R 40 Ft
229RAMPB 27+29 R 40 Ft
229RAMPB 28+83 R 40 Ft
229RAMPB 30+39 R 40 Ft
229RAMPB 31+92 R 40 Ft

REGISTERED PROFESSIONAL ENGINEER
REG. NO.
16819
JENNIFER A.
BALK
SOUTH DAKOTA
5/16/2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

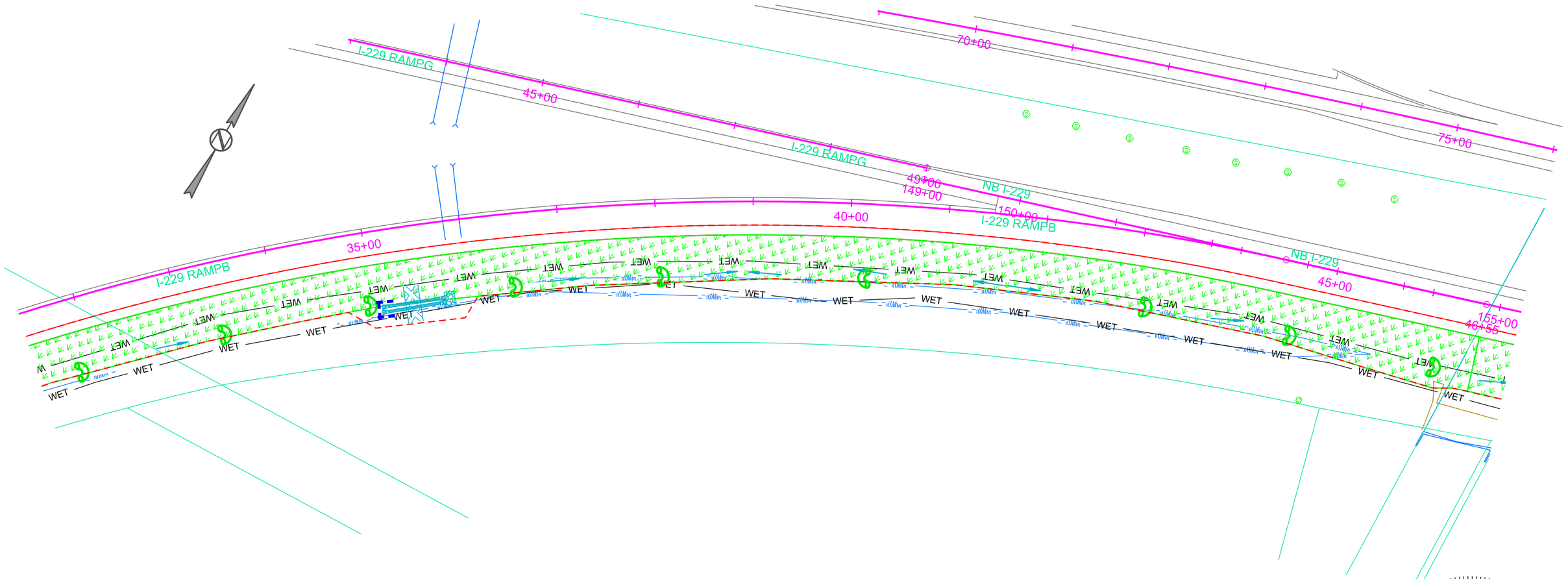
I-229 RAMP B

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D30	D41

Plotting Date: 5/15/2025

Install Low Flow Silt Fence at the following locations:
229RAMPB 35+10 R Inlet end of pipe 26 Ft



Install 12" Diameter Erosion Control Wattles
across the highway ditch channel bottom
at the following locations:
229RAMPB 31+92 R 40 Ft
229RAMPB 33+47 R 40 Ft
229RAMPB 35+02 R 40 Ft
229RAMPB 36+57 R 40 Ft
229RAMPB 38+12 R 40 Ft
229RAMPB 40+05 R 40 Ft
NB229 151+53 R 40 Ft
NB229 153+03 R 40 Ft
NB229 154+52 R 40 Ft

REGISTERED PROFESSIONAL ENGINEER
REG. NO.
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JENNIFER A.
BALK
SOUTH DAKOTA
5/16/2025

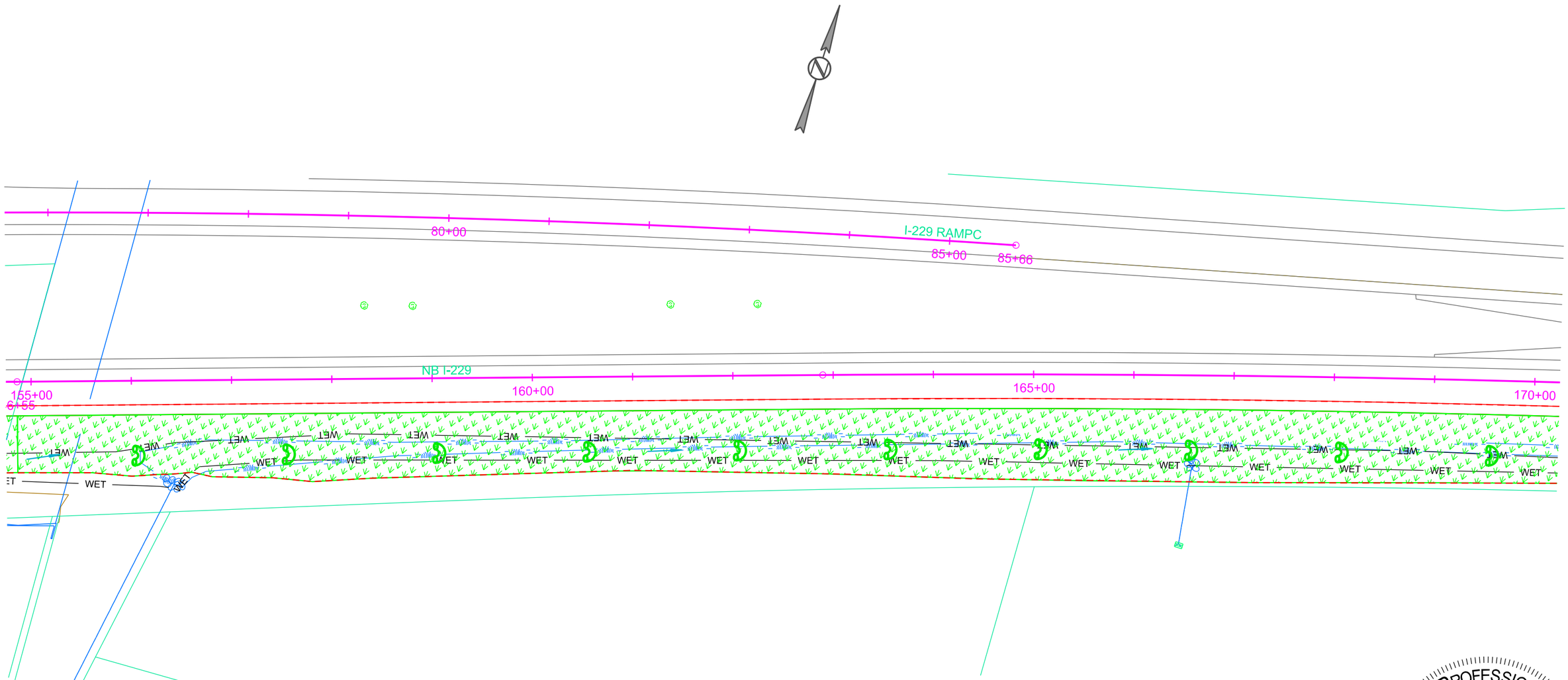
SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

NB229

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D31	D41

Plotting Date: 5/15/2025



Install 12" Diameter Erosion Control Wattles
across the highway ditch channel bottom
at the following locations:
NB229 156+12 R 40 Ft
NB229 157+62 R 40 Ft
NB229 159+12 R 40 Ft
NB229 160+62 R 40 Ft
NB229 162+12 R 40 Ft
NB229 163+63 R 40 Ft
NB229 165+13 R 40 Ft
NB229 166+64 R 40 Ft
NB229 168+14 R 40 Ft
NB229 169+65 R 40 Ft

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SOUTH DAKOTA
5/16/2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

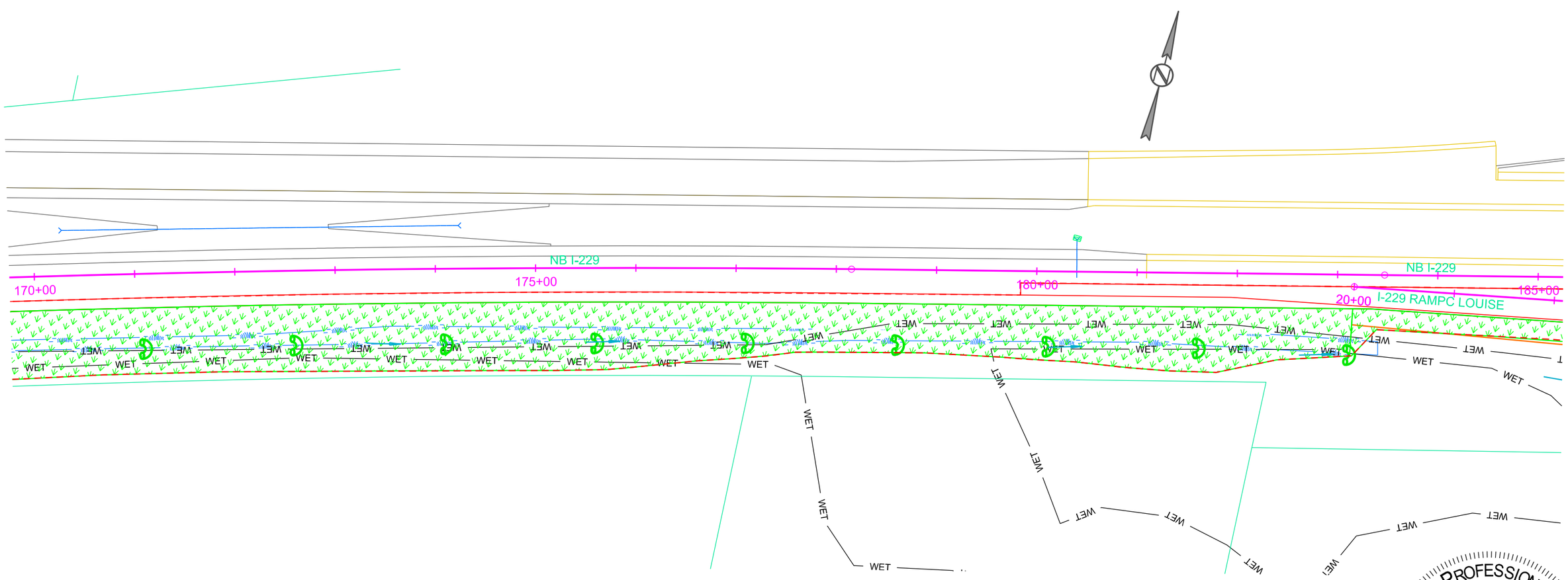
Plotted From - ngjersvik File - ...\D_06JQ_08.dgn

NB229

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D32	D41

Plotting Date: 5/15/2025



Install 12" Diameter Erosion Control Wattles
across the highway ditch channel bottom
at the following locations:
NB229 171+16 R 40 Ft
NB229 172+66 R 40 Ft
NB229 174+17 R 40 Ft
NB229 175+67 R 40 Ft
NB229 177+17 R 40 Ft
NB229 178+68 R 40 Ft
NB229 180+18 R 40 Ft
NB229 181+68 R 40 Ft
NB229 183+17 R 40 Ft

REGISTERED PROFESSIONAL ENGINEER
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SOUTH DAKOTA
Jennifer A Balk
5/16/2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

Plotted From - ngjersvik File - ...\D_06JQ_08.dgn

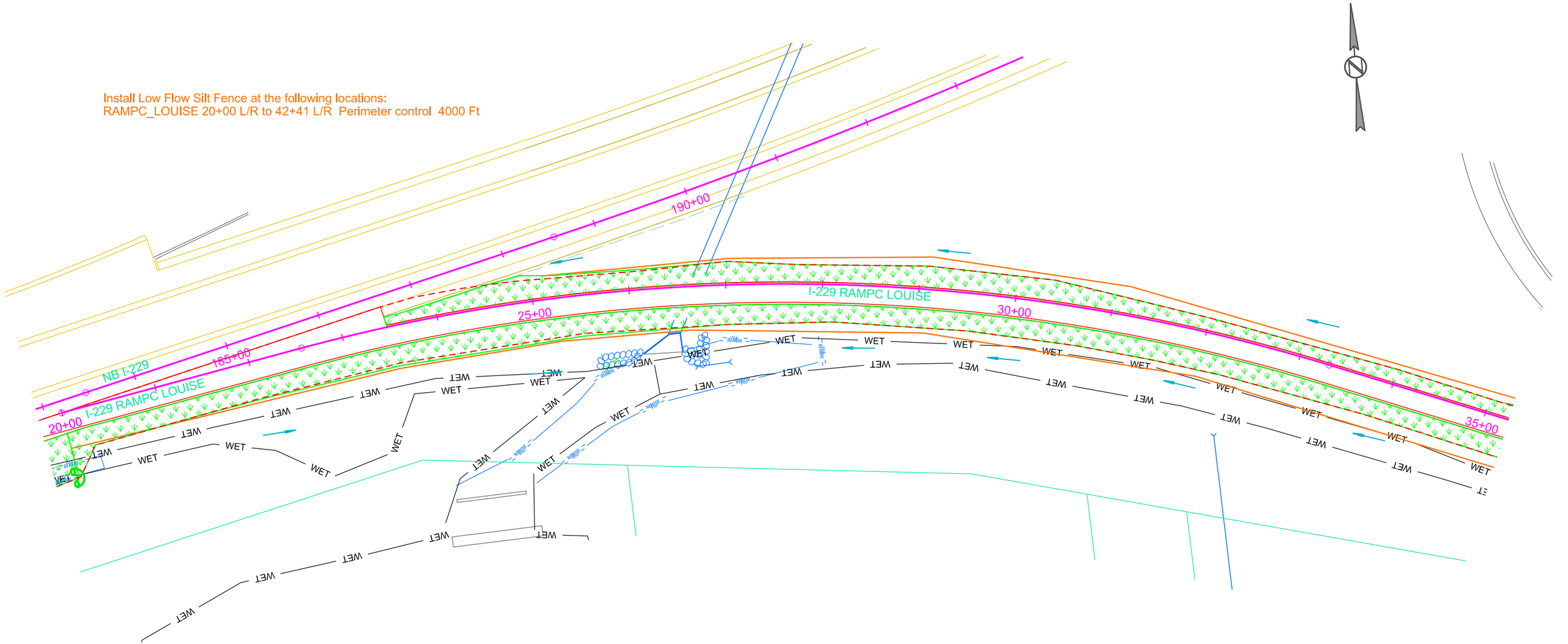
RAMP C LOUISE

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D33	D41

Plotting Date: 5/15/2025

Install Low Flow Silt Fence at the following locations:
RAMPC_LOUISE 20+00 L/R to 42+41 L/R Perimeter control 4000 Ft



SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

REGISTERED PROFESSIONAL ENGINEER
REG. NO.
16819
JENNIFER A.
BALK
SOUTH DAKOTA
5/16/2025

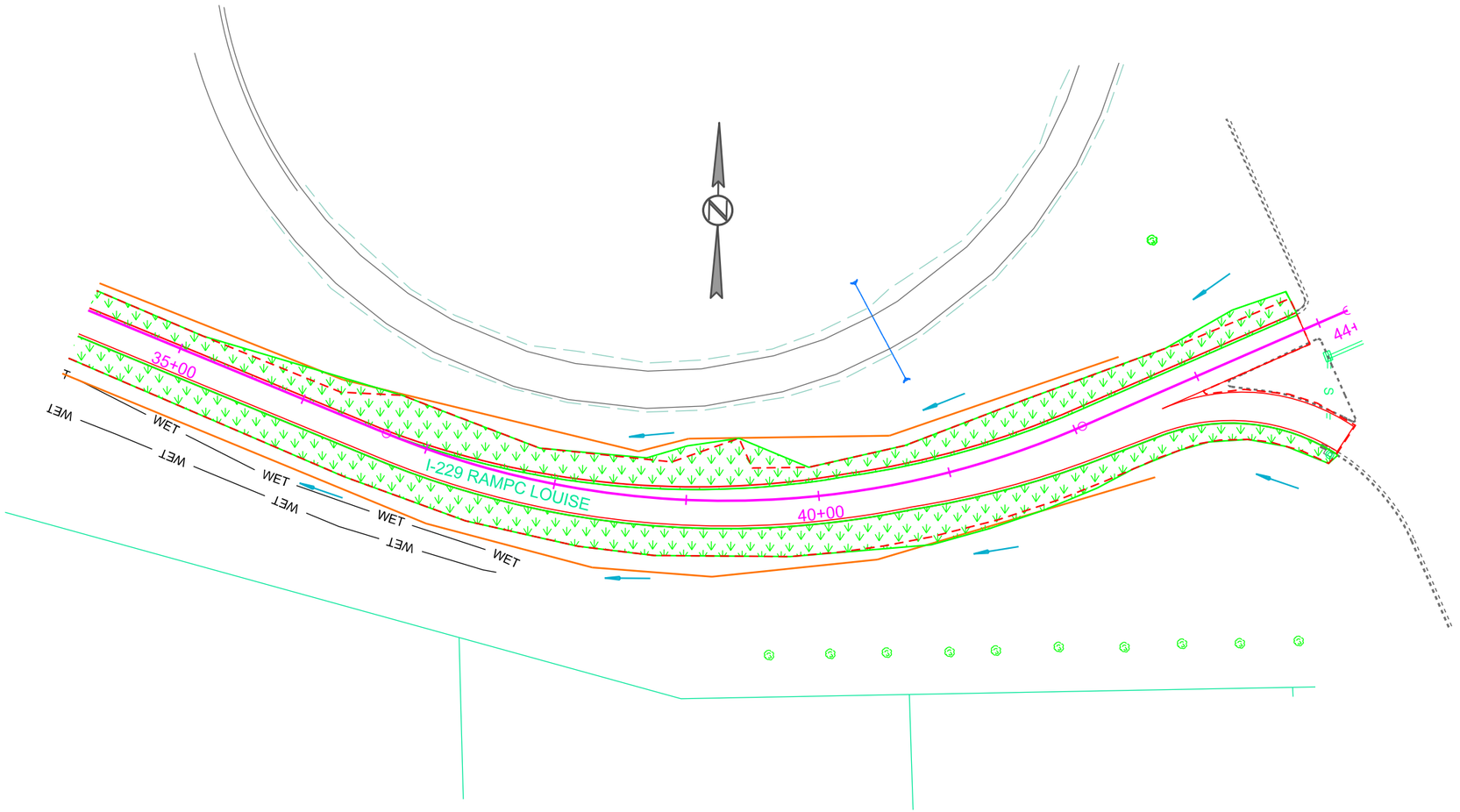
RAMP C LOUISE

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
	EM 0292(88)73 IM 2292(104)0	D34	D41

Plotting Date: 5/15/2025

Install Low Flow Silt Fence at the following locations:
RAMPC_LOUISE 20+00 L/R to 42+41 L/R Perimeter control 4000 Ft

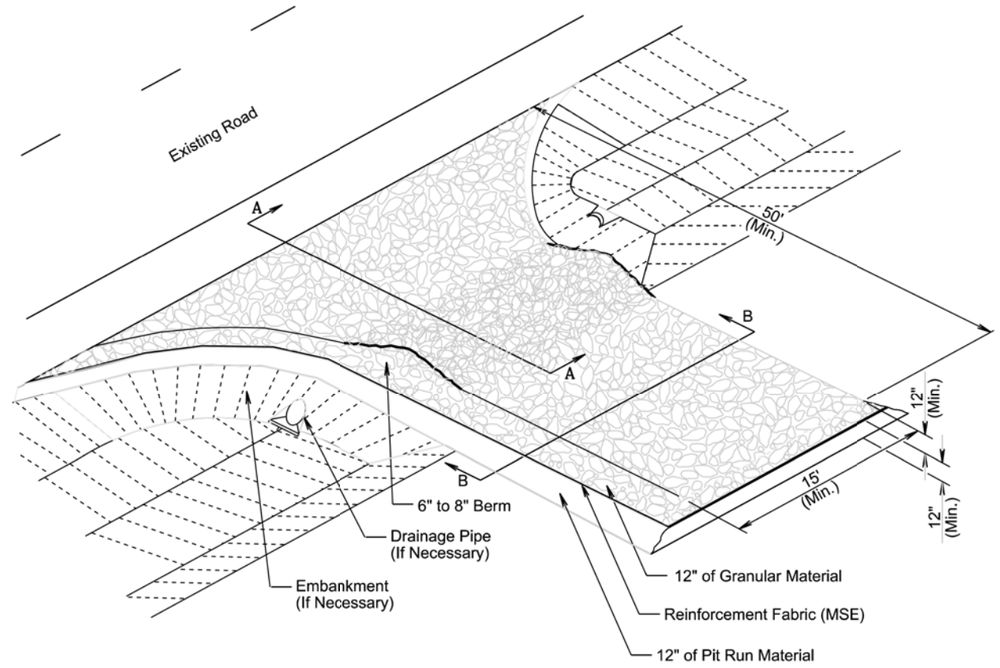


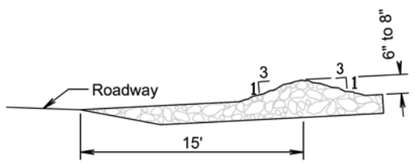
REGISTERED PROFESSIONAL ENGINEER
REG. NO. 16819
JENNIFER A. BALK
SOUTH DAKOTA
5/16/2025

SEED, FERTILIZE AND APPLY BONDED FIBER MATRIX TO ALL DISTURBED AREAS AS SHOWN

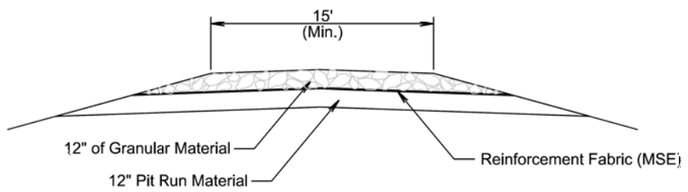
Plotted From - ngjersvik File - ...\D_06JQ_09.dgn

SDDOT CONSTRUCTION ENTRANCE





SECTION A-A



SECTION B-B

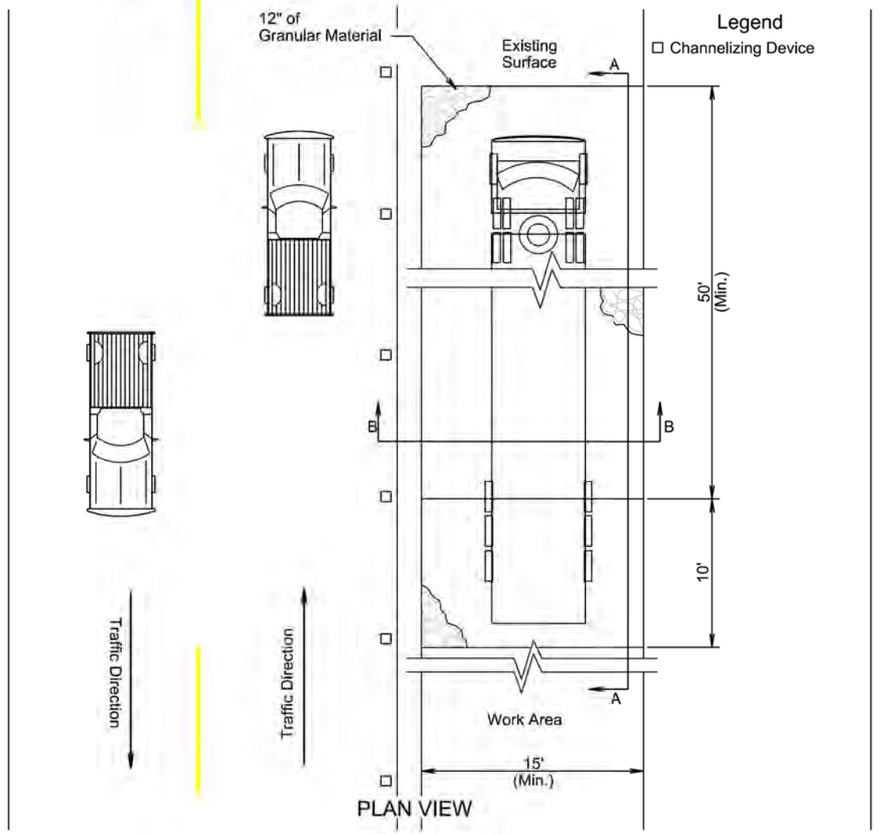
GENERAL NOTES:

If the grade of the entrance slopes down to the roadway, a berm of extra rock will be used to prevent sediment or mud from being deposited on the roadway. See SECTION A-A.

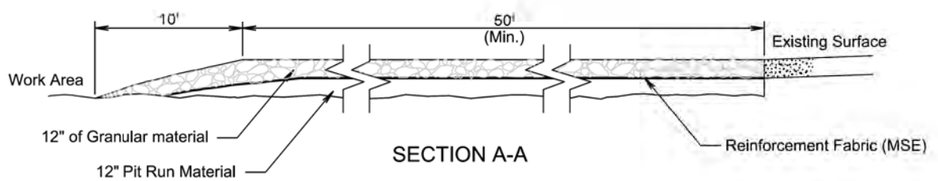
If a drainage pipe is necessary the size and type will be determined by the Contractor to meet field conditions. All cost will be incidental to the various contract items.

If embankment is necessary it must be pit run material.

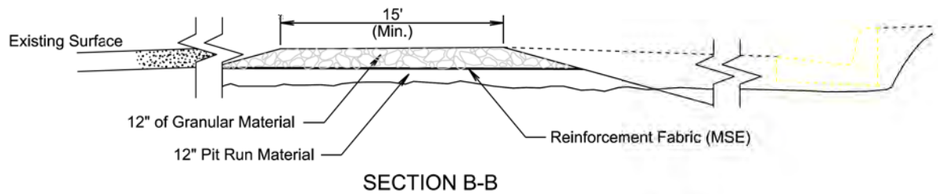
TRANSVERSE TO ROADWAY



PLAN VIEW



SECTION A-A



SECTION B-B

PARALLEL TO ROADWAY

OPTIONS FOR DEWATERING AND SEDIMENT COLLECTING

FOR BIDDING PURPOSES ONLY

SD DOT	PROJECT	SHEET	TOTAL SHEETS
Plotting Date: 5/15/2025	EM 0292(88)73 IM 2292(104)0	D36	D41

OPTIONS ARE NOT LIMITED TO WHAT IS SHOWN ON THIS SHEET

NO MATTER THE SYSTEM OR METHOD USED, THE CONTRACTOR MUST MEET THE TERMS OF THE TEMPORARY DISCHARGE PERMIT AND THE STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES.

Various systems, devices, and products are shown on this sheet to give the Contractor ideas of what may be used for water treatment. Other systems, devices, and products are available and can be used with approval from the Engineer.

The Contractor may elect to block a portion of storm sewer near the outfall with sand bags and pump the water out to be treated with a flocculent or allow the water to set in a lined dumpster until sediment to falls out of suspension before discharging the water. Drop inlet protection devices could also be used as part of a treatment train. The Contractor may pump dirty water into a hydroseeder and mix it with a flocculent, and spray the mixture back onto a sediment pond.

PURPOSE

The purpose of a dewatering and sediment collection system is to collect turbid storm water on the project, treat it with flocculents as needed, and capture the sediment that falls out of suspension before the water is discharged into “Waters of the US” or “Waters of the State”. Refer to the Environmental Commitments for the specific requirements for each body of water on this project.

The Contractor will need to create a Pollution Prevention Plan (PPP) for dewatering and sediment collection if the Contractor choses to discharge the water into "Waters of the US" or "Waters of the State" instead of disposing of the water off-site, using it for irrigation, or using it for hydroseeding. The Contractor will also need to obtain a Temporary Discharge Permit from the South Dakota Department of Agriculture & Natural Resources (DANR) on all projects outside of Indian Reservation boundaries.

Suggestions for dewatering and sediment collection may be shown on the plan sheets. It is the Contractor's responsibility to dewater and collect sediment. The Contractor will have to intercept and treat the stormwater before storm sewer outfalls into "Waters of the US" or "Waters of the State". The Contractor may need more than one dewatering and sediment collection system to capture and treat stormwater at multiple outfalls and/or locations simultaneously during each phase of the project.

PAYMENT

All costs for Dewatering and Sediment Collecting will be incidental to the contract lump sum price for "Dewatering".

DEWATERING BAGS AND SOCKS capture sediment and should be placed on pavement, vegetated areas, or gravel.

Dandy Dewatering Bag
Dandy Products, Inc.
Powell, OH
Phone: 1.800.591.2284
www.dandyproducts.com

Non-woven Sediment Filter Bags
Indian Valley Industries, Inc.
Johnson City, NY
Phone: 1.800.659.5111
www.iviindustries.com

Taurus Dewatering Bags/Socks
SolHuTec Group, Inc.
Sebastian, FL
Phone: 1.888.703.9889
www.solhutec.com

Ultra-Dewatering Bag
UltraTech International, Inc
Jacksonville, FL
Phone: 1.800.764.9563
www.spillcontainment.com

Heavy Duty Dirtbag 55
ACF Environmental
Richmond, VA
Phone: 1.800.223.9021
www.acfenvironmental.com

Pump-It Tube
Flo-Water, LLC
West Des Moines, IA
Phone: 1.515.577.6763
www.flo-water.net

FLOCCULENTS listed below are considered to be safe for the environment, if used as directed:

APS 700 Series Floc Logs
Applied Polymer Systems, Inc.
Woodstock, GA
Phone: 1.866.200.9868
http://www.siltstop.com

Floc, Floc Soc, Floc Bag
Innovative Turf Solutions Products
Cincinnati, OH
Phone: 1.513.317.8311
http://www.innovativeturfsolutions.com

Biostar CH
Hild & Associates, Inc.
Stillwater, MN
Phone: 1.715.426.5131
www.biostar-ch.com

Terra-Tubes
ACF Environmental
Buffalo Grove, IL
Phone: 1.800.366.1180
www.terratubes.com

FI-3500 Tablets
JRM Chemical, Inc.
Cleveland, OH
Phone: 1.216.475.8488
http://www.soilmoist.com

Tigerfloc
Floc Systems Inc.
Surrey, British Columbia
Phone: 1.604.343.2046
www.flocsystems.com

PORTABLE FLOCCULENT SYSTEMS

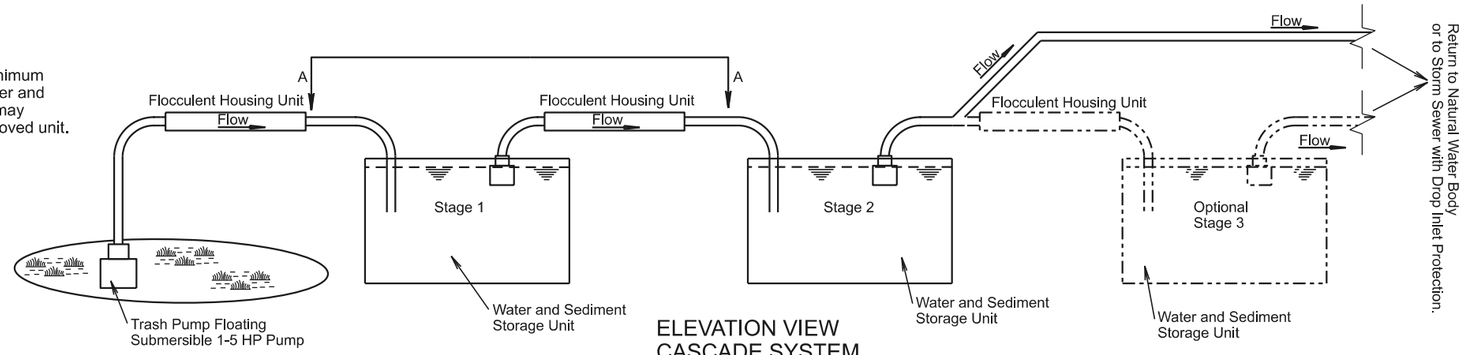
Eco Pond Rescue Water Wagon
Eco Pond Rescue LLC
Seminole, Florida
Phone: 1.727.412.4323
www.ecopondrescue.com

WTS2000 Portable Sediment Tank
Aqualete Industries, LLC
Ocean, New Jersey
Phone: 1.732.695.6336
http://aqualeteindustries.com

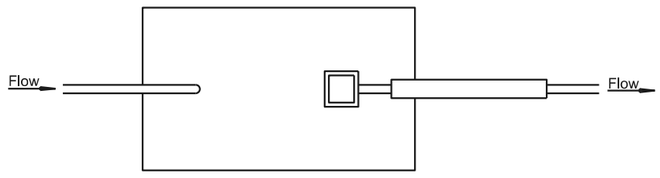
Dry Flocculent Mixing System
Innovative Equipment Solutions
Hot Springs, Arkansas
Phone: 1.501.525.8484
http://www.neptunewash.com

THE CASCADE SYSTEM

The cascade system is shown below and to the right for conceptual purposes only; however, the cascade system will at a minimum incorporate the use of 2 flocculent housing units and 2 water and sediment storage units. Design and construction of the water and sediment storage units are project site specific and will be the Contractor's responsibility. A water and sediment storage unit may consist of a storage bin lined with plastic, the bed of a dump truck lined with plastic, a sediment basin, or other Engineer approved unit. The treatment flocculent bag may be from the list or an approved equal.



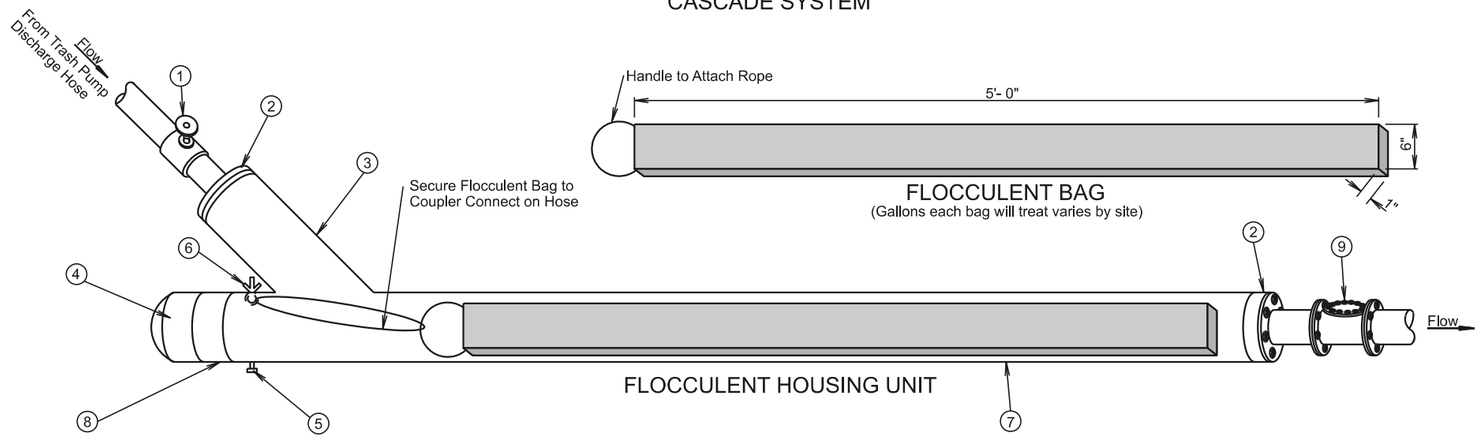
ELEVATION VIEW
CASCADE SYSTEM



VIEW A-A

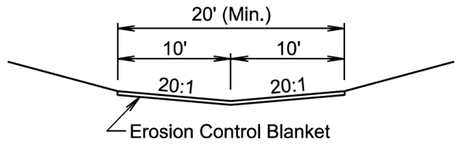
FLOCCULENT HOUSING UNIT (estimated quantities for information only)			
NO.	DESCRIPTION	QUANTITY	UNIT
1	4" or 6" Dia. Sch. 40 Gate Valve	1	Each
2	4" X 6" or 6" X 8" Sch. 40 PVC Bushing	2	Each
3	6" or 8" Dia. Sch. 40 PVC "Y"	1	Each
4	6" or 8" Dia. Sch. 40 PVC Female Threaded Cap	1	Each
5	1" Dia. Sch. 80 PVC Drain Valve	1	Each
6	1/2" Eye Bolt with Wing Nut and Rubber Gromets	1	Each
7	6" or 8" Dia. Sch. 40 PVC Pipe	10	Ft.
8	6" or 8" Dia. Sch. 40 PVC Male Adapter	1	Each
9	4" or 6" Dia. Sch. 40 PVC Swing Check Valve	1	Each

FLOW RATE ESTIMATE	
Pump Type	Flow Rate (gpm)
2"	50-250
3" Gas	250-350
4" Diesel	500-750
6" Diesel	750-1000

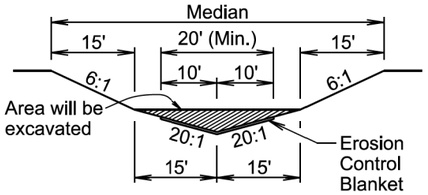


FLOCCULENT HOUSING UNIT

FLOCCULENT BAG
(Gallons each bag will treat varies by site)

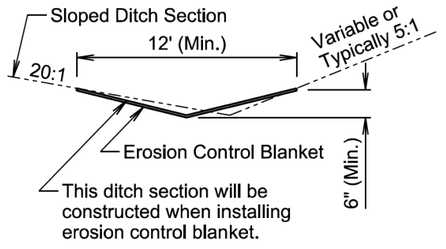


STANDARD DITCH SECTION

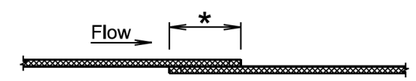


The median will be shaped to the limits shown in this detail where the erosion control blanket will be placed.

MEDIAN SECTION



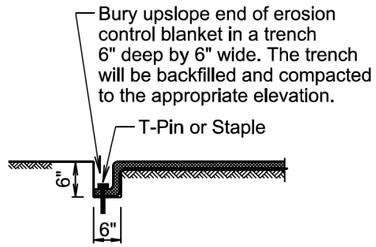
SLOPED DITCH SECTION



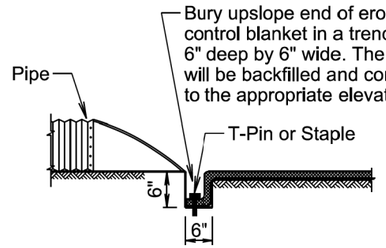
* Use a 4" (Min.) overlap wherever two widths of erosion control blanket are applied side by side.

* Use a 6" (Min.) overlap wherever one roll of erosion control blanket ends and another begins.

OVERLAP DETAIL



TRENCH DETAIL



PIPE END DETAIL

GENERAL NOTES:

Prior to placement of the erosion control blanket, the areas will be properly prepared, shaped, seeded, and fertilized.

Erosion control blanket will be unrolled in the direction of the flow of water when placed in ditches and on slopes. The upslope end of the erosion control blanket will be buried in a trench 6" wide by 6" deep. There will be at least a 6" overlap wherever one roll of erosion control blanket ends and another begins, with the upslope erosion control blanket placed on top of the downslope erosion control blanket.

The erosion control blanket will be pinned to the ground according to the manufacturer's installation recommendations.

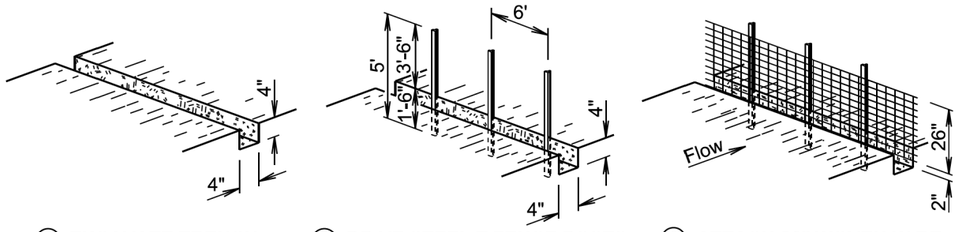
After the placement of the erosion control blanket, the Contractor will fine grade along all edges of the blanket to maintain a uniform slope adjacent to the blanket and level any low spots which might prevent uniform and unrestricted flow of side drainage directly onto the erosion control blanket.

All ditch sections will be shaped when installing the erosion control blanket. All costs for shaping the ditches will be incidental to the contract unit price per foot for "Shaping for Erosion Control Blanket".

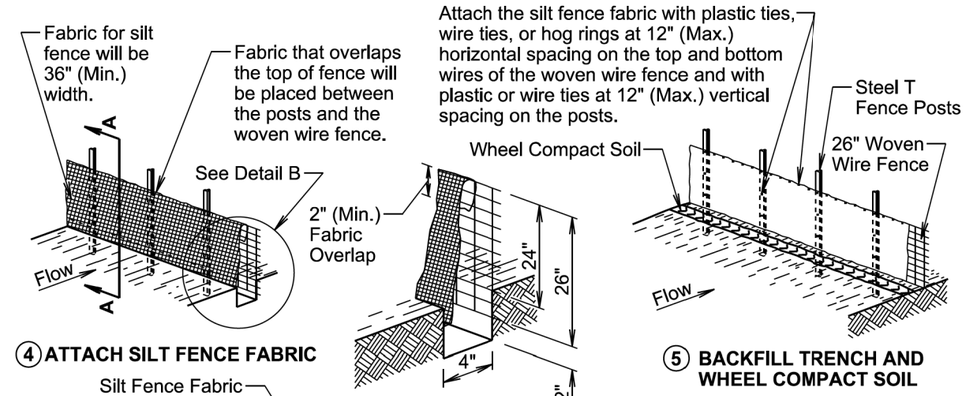
February 14, 2020

Published Date: 2026	SDDOT	*EROSION CONTROL BLANKET*	*PLATE NUMBER 734.01* *Sheet 1 of 1*

MANUAL LOW FLOW SILT FENCE INSTALLATION

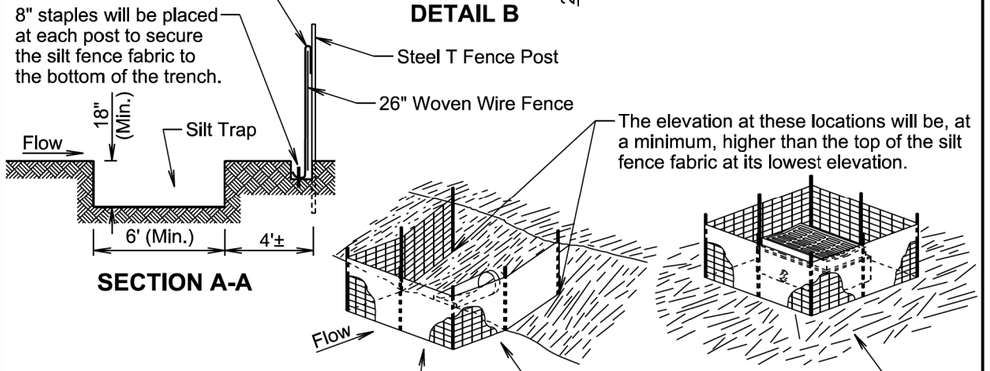


① EXCAVATE TRENCH ② DRIVE STEEL T FENCE POSTS ③ ATTACH 26" WOVEN WIRE FENCE TO POSTS



④ ATTACH SILT FENCE FABRIC ⑤ BACKFILL TRENCH AND WHEEL COMPACT SOIL

DETAIL B

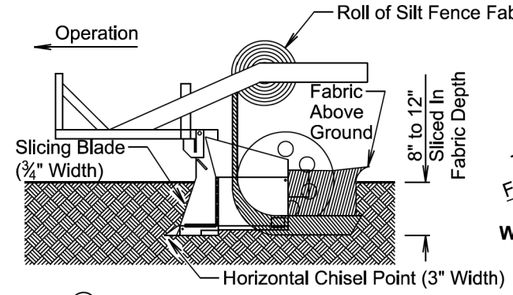


SECTION A-A

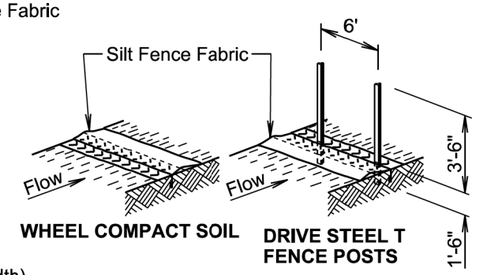
February 14, 2020

Published Date: 2026	SDDOT	LOW FLOW SILT FENCE AND SILT TRAP	PLATE NUMBER 734.04
			Sheet 1 of 2

MACHINE SLICED LOW FLOW SILT FENCE INSTALLATION

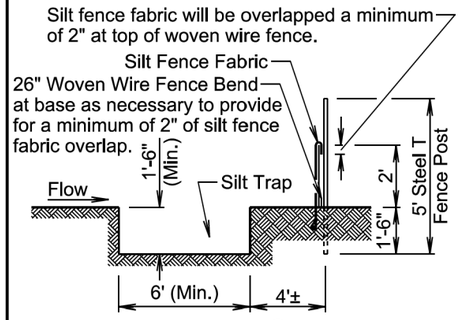


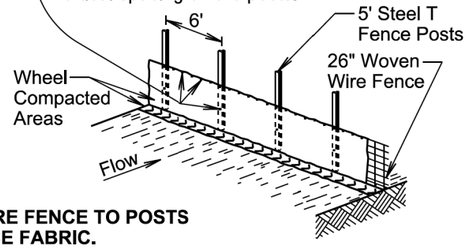
① INSTALL SILT FENCE FABRIC BY MACHINE SLICING METHOD.



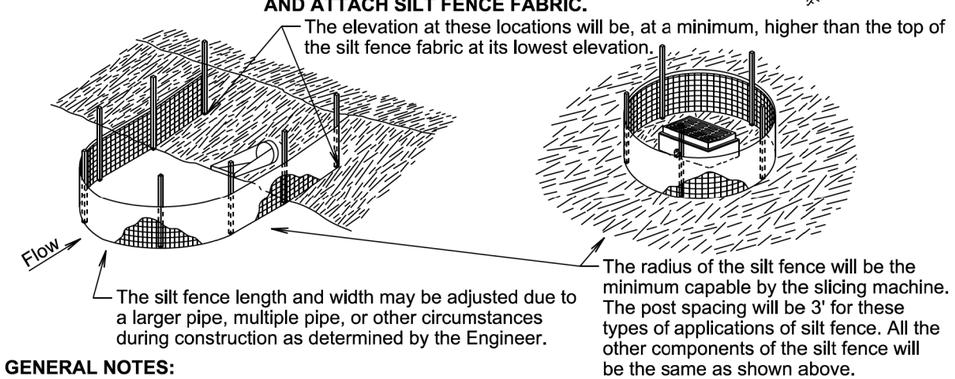
WHEEL COMPACT SOIL DRIVE STEEL T FENCE POSTS

② WHEEL COMPACT SOIL ABOVE SLICED IN PORTION OF FABRIC AND THEN DRIVE STEEL T FENCE POSTS.





③ ATTACH 26" WOVEN WIRE FENCE TO POSTS AND ATTACH SILT FENCE FABRIC.



GENERAL NOTES:

A silt trap will be provided when specified by a plan note. All costs for constructing the silt trap will be incidental to the contract unit price per cubic yard for "Silt Trap".

If a trench can not be dug or the silt fence fabric can not be sliced in due to the type of earthen material (such as rock), then a row of 30 to 40 pound sandbags butted end to end will be provided on top of the extra length of silt fence fabric to prevent underflow.

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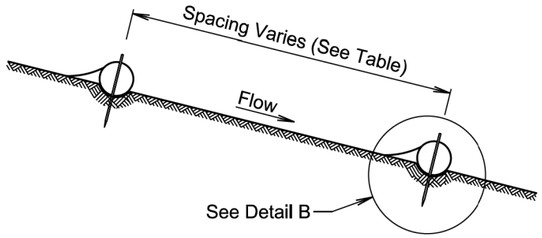
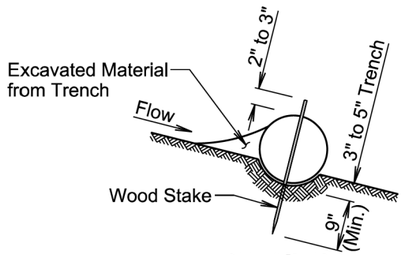
Published Date: 2026	SDDOT	LOW FLOW SILT FENCE AND SILT TRAP	PLATE NUMBER 734.04
			Sheet 2 of 2

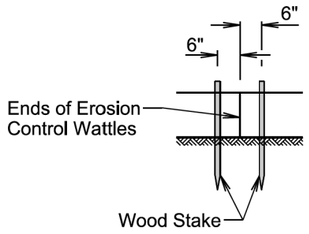


ELEVATION VIEW
(Cut or Fill Slope Installation)

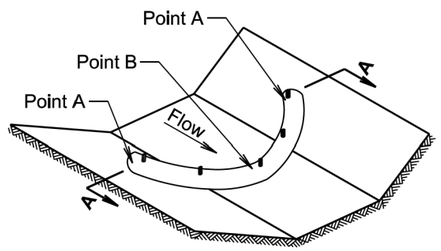
CUT OR FILL SLOPE INSTALLATION	
Slope	Spacing (Ft.)
1:1	10
2:1	20
3:1	30
4:1	40



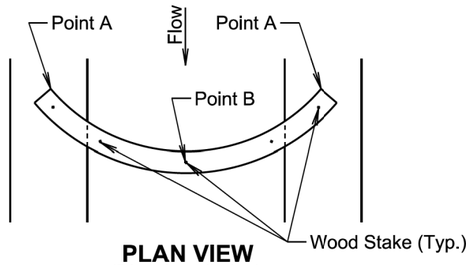
DETAIL B
(Typical of All Installations)



DETAIL C
(See General Notes)

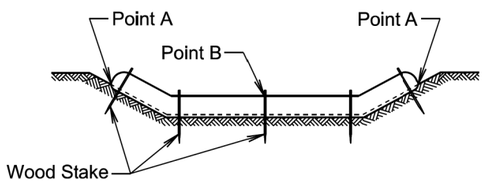


ISOMETRIC VIEW
(Ditch Installation)



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".

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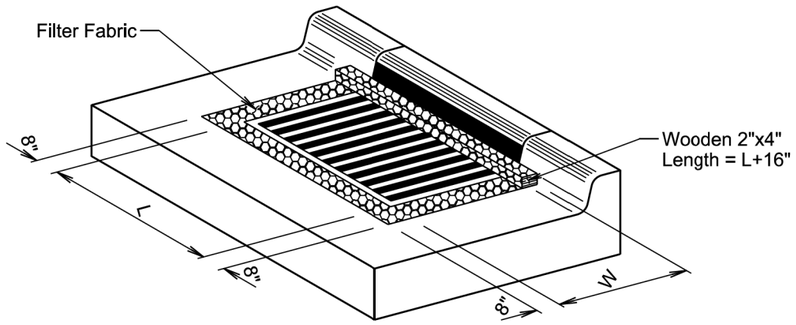
Published Date: 2026	SDDOT	EROSION CONTROL WATTLE	PLATE NUMBER 734.06
			Sheet 2 of 2

L = Length of Grate
W = Width of Grate



ISOMETRIC VIEW

GENERAL NOTES:

The grate and curb and gutter shown are for illustrative purposes only.

The sediment control at inlet with frame and grate will be placed at locations stated in the plans or at locations determined by the Engineer.

The filter fabric will be the type specified in the plans.

The filter fabric will be placed in the inlet opening prior to placing the grate. Approximately 18 inches of excess filter fabric will be wrapped around the 2"x4" and stapled securely to the 2"x4" after the grate has been placed.

The Contractor and Engineer will inspect the sediment control device in accordance with the storm water permit. The Contractor will maintain the sediment control device by removing accumulated sediment and replacing torn filter fabric with new filter fabric.

The removed sediment will be placed at a location away from the drop inlet where the sediment will not be washed back into the drop inlet or other storm sewer system.

All costs for furnishing, installing, inspecting, maintaining, removing, and replacing the sediment control device at the inlet including labor, equipment, and materials will be incidental to the contract unit price per each for "Sediment Control at Inlet with Frame and Grate".

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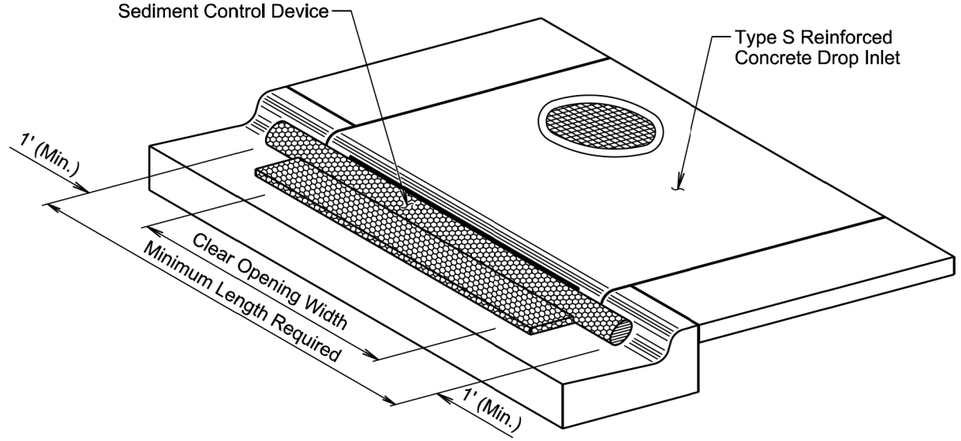
Published Date: 2026	SDDOT	SEDIMENT CONTROL AT INLETS WITH FRAMES AND GRATES	PLATE NUMBER 734.10 Sheet 1 of 1



ISOMETRIC VIEW

GENERAL NOTES:

The type of sediment control device shown is for illustrative purposes only.

The type of sediment control device used will be one of the types as specified in the plans.

The sediment control device will be placed at the drop inlets according to the manufacturer's installation instructions.

The sediment control at inlet for type S reinforced concrete drop inlet will be placed at locations stated in the plans or at locations determined by the Engineer.

The Contractor and Engineer will inspect the sediment control device in accordance with the storm water permit. The Contractor will maintain the sediment control device by removing the device, removing accumulated sediment, and resetting the device.

The removed sediment will be placed at a location away from the drop inlet where the sediment will not be washed back into the drop inlet or other storm sewer system.

Payment for the "Sediment Control at Type S Drop Inlet" will be based on the minimum length required at the drop inlets. Some of the sediment control devices specified in the plans will have to be longer due to available length.

All costs for furnishing, installing, inspecting, maintaining, removing, and resetting the sediment control device at the drop inlet including labor, equipment, and materials will be incidental to the contract unit price per foot for "Sediment Control at Type S Reinforced Concrete Drop Inlet".

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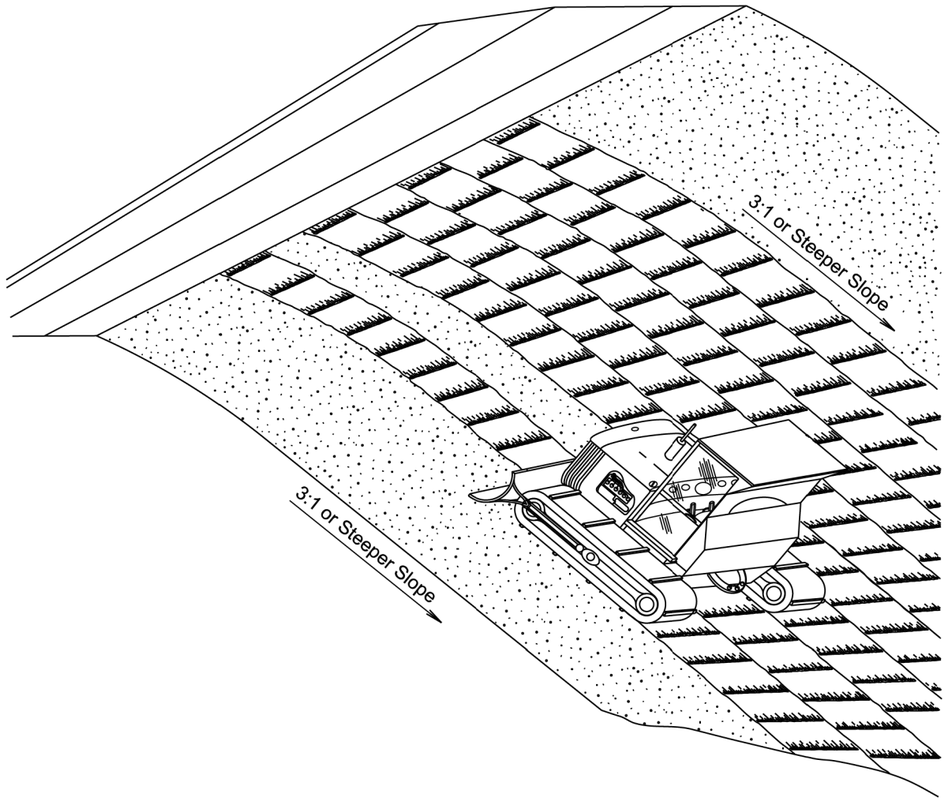
Published Date: 2026	SDDOT	SEDIMENT CONTROL AT INLETS FOR TYPE S REINFORCED CONCRETE DROP INLETS	PLATE NUMBER 734.11 Sheet 1 of 1



GENERAL NOTES:

Where practical, surface roughening will be done on slopes 3:1 and steeper and on slopes deemed necessary by the Engineer.

The equipment used for surface roughening will be equipped with tracks that are capable of creating ridges in the soil that are perpendicular to the slope. The final condition of the surface roughening will be approved by the Engineer.

Measurement for surface roughening will be to the nearest tenth of an acre.

All costs associated with surface roughening including labor, equipment, and materials will be incidental to the contract unit price per acre for "Surface Roughening".

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Published Date: 2026	SDDOT	***SURFACE ROUGHENING***	***PLATE NUMBER*** 734.25 *Sheet 1 of 1*