

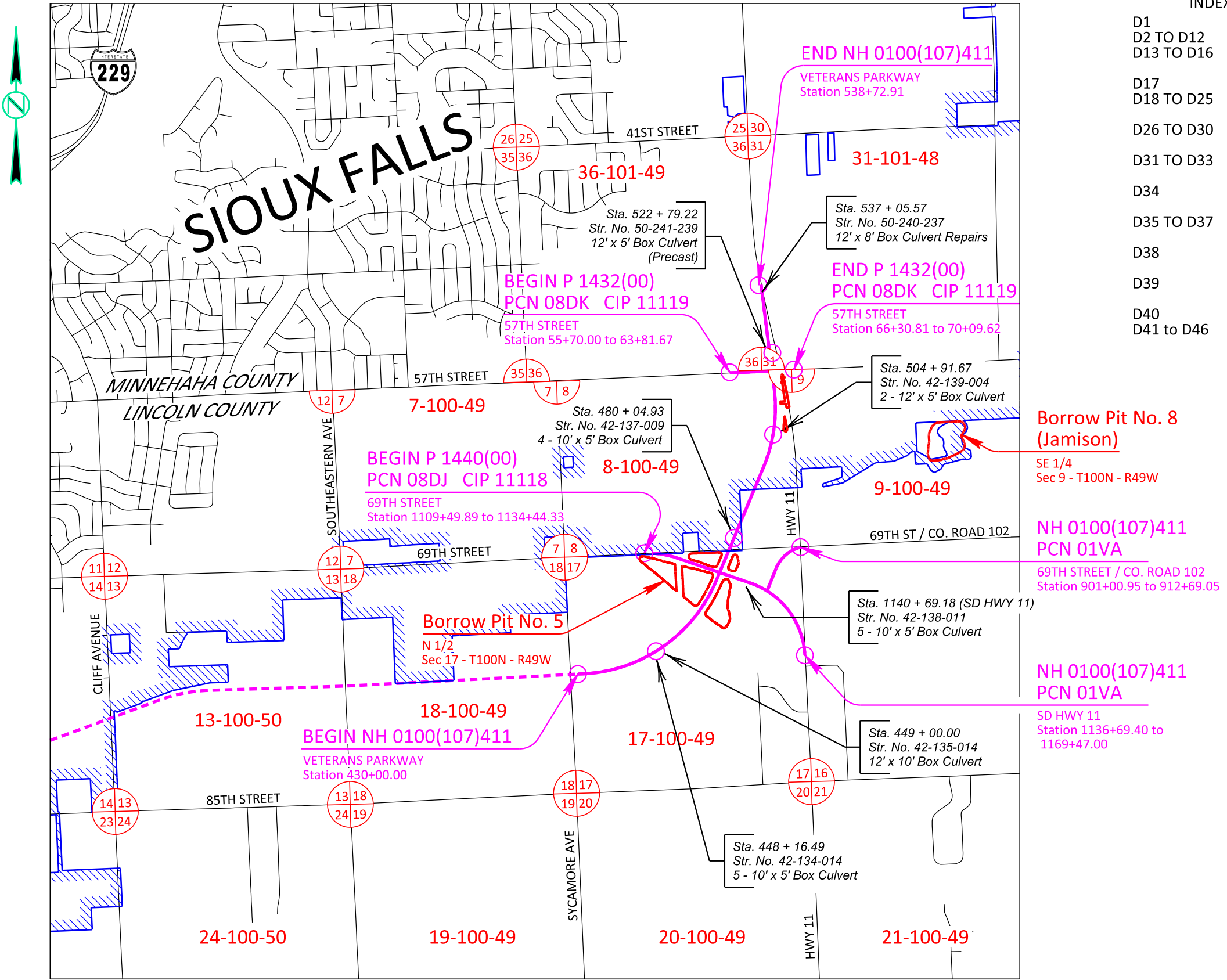
SECTION D: EROSION CONTROL PLANS

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D1	D46

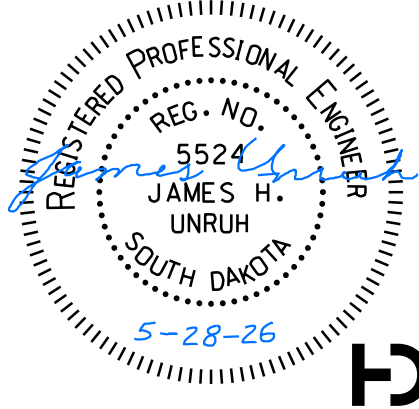
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PLOTING DATE: 05-28-2026

REV DATE:
INITIAL:



INDEX OF SHEETS

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D2 TO D12	Estimate with General Notes and Tables
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D26 TO D30	69th Street Erosion and Sediment Control Plan Sheets
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D39	Borrow Pit #8 (Jamison) Erosion and Sediment Control Plan Sheet
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SECTION D ESTIMATE OF QUANTITIES

Bid Item Number	Item	Quantity				Unit
		PCN 01VA Veterans	PCN 08DJ 69th Street	PCN 08DK 57th Street	Total	
110E1690	Remove Sediment	11.5	1.1	0.7	13.3	CuYd
110E1693	Remove Erosion Control Wattle	2,868	-	-	2,868	Ft
110E1695	Remove Sediment Filter Bag	5,077	466	415	5,958	Ft
110E1700	Remove Silt Fence	7,831	709	368	8,908	Ft
120E6300	Water for Vegetation	24,301.7	1,615.8	906.0	26,823.5	MGal
230E0010	Placing Topsoil	94,494	2,361	292	97,147	CuYd
730E0100	Cover Crop Seeding	125.0	25.0	-	150.0	Bu
730E0206	Type D Permanent Seed Mixture	2,739	156	94	2,989	Lb
730E0212	Type G Permanent Seed Mixture	2,175	129	81	2,385	Lb
731E0100	Fertilizing	8,359	551	309	9,219	Lb
732E0100	Mulching	207.5	10.8	5.8	224.1	Ton
732E0300	Bonded Fiber Matrix	9.6	0.4	0.4	10.4	Ton
734E0044	Soil Stabilizer	20.0	-	-	20.0	Acre
734E0154	12" Diameter Erosion Control Wattle	2,868	-	-	2,868	Ft
734E0165	Remove and Reset Erosion Control Wattle	718	-	-	718	Ft
734E0180	Sediment Filter Bag	5,077	466	415	5,958	Ft
734E0325	Surfacing Roughening	0.9	-	-	0.9	Acre
734E0602	Low Flow Silt Fence	29,646	2,336	1,412	33,394	Ft
734E0604	High Flow Silt Fence	1,680	500	60	2,240	Ft
734E0610	Mucking Silt Fence	2,209	197	102	2,508	CuYd
734E0620	Repair Silt Fence	7,831	709	368	8,908	Ft
734E0680	Flocculent Housing Unit	2	-	-	2	Each
734E0683	500K Gallon Treatment Flocculent Bag	2	-	-	2	Each
734E0845	Sediment Control at Inlet with Frame and Grate	168	11	8	187	Each
734E0847	Sediment Control at Type S Reinforced Concrete Drop Inlet	-	84	-	84	Ft
734E5000	Dewatering	80	40	-	120	Hour
734E5010	Sweeping	80	40	20	140	Hour
900E1310	Concrete Washout Facility	1	1	1	3	Each
900E1320	Construction Entrance	8	2	2	12	Each

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.

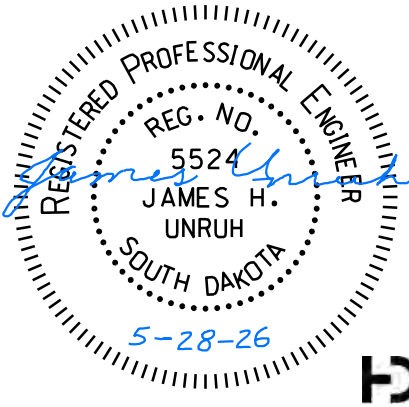
TABLE OF SURFACE ROUGHENING				
Station to	Station	L/R	Area (Acre)	Location
01VA Veterans Parkway				
447+50	452+50	L	0.39	slope
449+25	452+25	R	0.21	slope
452+75	453+50	R	0.06	slope
503+50	506+50	R	0.22	slope
513+50	514+50	R	0.05	slope
Total 01VA Veterans Parkway			0.9	

FERTILIZING

A commercial fertilizer with a minimum guaranteed analysis of 13-13-13, 18-46-0, 11-52-0, or an approved alternate fertilizer sold for use as a lawn starter fertilizer will be applied to all areas designated for permanent seeding. The application rate of fertilizer will be 100 pounds per acre. The fertilizer in this note is for all seeded areas except the Veterans Parkway and 69th Street median areas. See Section H for fertilizer rates and quantity for those areas.

COVER CROP SEEDING

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. The estimate of quantities includes 150.0 bushels of cover crop seed.



PLACING TOPSOIL

The thickness will be approximately 4 inches within the right-of-way and 6 inches on temporary easements. At the existing SD11 lanes north of 57th Street, the average topsoil placement depth was assumed to be 18". The earthwork balance shows an excess of topsoil. The Contractor will place all the available topsoil within the project limits by increasing the thickness of the topsoil placed as necessary. The total Placing Topsoil quantity includes the excess topsoil.

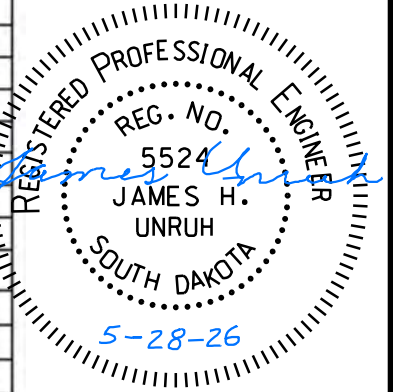
Table of Placing Topsoil (non-median)		
Station to	Station	(CuYd)
01VA Roadways		
Veterans Parkway		
430+00 (begin project)	471+65 (69th St / SD11)	9,486
471+65 (69th St / SD11)	519+34 (57th St)	8,908
519+34 (57th St)	543+80 (end project)	2,650
525+16 (crossover 1)	527+95	219
541+92 (crossover 3)	548+98	465
520+00 to 543+80 (existing SD11 lanes north of 57th St)		15,891
Total Veterans Parkway		37,619
SD11		
1136+69 (Veterans)	1169+47 (end project)	5,353
69th St/CR102 Connection		
901+00 (SD11)	916+22 (end project)	1,992
Total 01VA		44,964
(1) Borrow Pits		
Borrow Pit #5 (69th Street)		
Pond B		13,688
Pond C		19,990
Pond D		8,690
Pond E		3,162
Total Borrow Pit #5 (69th St)		45,530
(1) Assumes Pond A topsoil is placed with 01V7		
Borrow Pit #8 (Jamison)		4,000
Total 01VA Borrow Pits		49,530
Total 01VA with Borrow Pits		94,494
CIP Roadways		
08DJ 69th St		
1113+25 (begin project)	1134+47 (Veterans)	2,361
Total 08DJ 69th St		2,361
08DK 57th St		
55+70 (begin project)	63+82 (Veterans)	292
66+31 (Veterans)	70+10 (End Project)	0
Total 08DK 57th St		292

See Section H plans for Contractor Furnished Topsoil in the medians.

FOR BIDDING PURPOSES ONLY
RED LINE DATE: 5/28/2026
INITIAL: JHU

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-0100(107)411 P 1440(00) & P 1432(00)	D3	D46
Plotting Date: 5/28/2026			

TABLE OF SEED, FERTILIZER, BONDED FIBER MATRIX, AND WATER										
Roadway	Location	L/R	Area		Seed		Mulching (at 2 ton/ac)	Bonded Fiber Matrix (Ton)	Water for Veg. (MGal)	(3) Fertilizer (Lb)
					Type D (Lb)	Type G (Lb)				
01VA Veterans Parkway	430+00 to 470+85	L	307.6	7.06	422	220	16.1	0.8	2,460.8	847
	430+00 to 471+16	R	333.7	7.66	404	239	17.5	0.9	2,669.2	919
	472+15 to 518+55	L	316.6	7.27	480	227	15.7	1.7	2,532.6	872
	472+54 to 518+55	R	631.5	14.50	478	452	31.3	3.4	5,052.2	1,739
	520+00 to 538+72	L	28.0	0.64	196	20	1.5	0.1	223.7	77
	519+84 to 540+25	R	154.3	3.54	0	111	8.1	0.4	1,234.5	425
	519+84 to 543+80	R	35.6	0.82	249	25	2.0	0.0	284.6	98
	(1) Borrow Pit #5 (Pond A)	L	96.4	2.21	0	69	5.3	0.0	771.1	265
	Seeding between Pond A & B	L	98.7	2.27	0	71	5.4	0.0	789.9	272
	(1) Borrow Pit #5 (Pond B)	L	96.0	2.20	0	69	5.3	0.0	767.7	264
	(1) Borrow Pit #5 (Pond C)	R	103.3	2.37	0	74	5.7	0.0	826.0	284
	(1) Borrow Pit #5 (Pond D)	L	65.0	1.49	0	47	3.6	0.0	520.0	179
	(1) Borrow Pit #5 (Pond E)	R	33.2	0.76	0	24	1.8	0.0	265.3	91
	(1) Borrow Pit #8 (Jamison)	R	138.5	3.18	0	99	7.6	0.0	1,108.0	381
	Total 01VA Veterans Parkway		2,438.2	56.0	2,229	1,746	126.8	7.3	19,505.7	6,713
01VA SD Hwy 11	1136+50 to 1146+50	L	51.9	1.19	49	37	2.6	0.3	415.6	143
	1136+50 to 1169+47	R	202.4	4.65	129	145	10.0	1.1	1,618.9	557
	1147+35 to Cody Road	L	146.8	3.37	79	105	8.1	0.0	1,174.7	404
	Cody Road to 1169+47	L	10.5	0.24	2	8	0.6	0.0	84.0	28
	Median from 1140+00 to 1167+70	L/R	20.2	0.46	142	14	1.1	0.0	161.8	55
	Driveway along SD Hwy 11		3.2	0.07	0	2	0.2	0.0	25.2	8
	Driveway along 69th Street		2.5	0.06	0	2	0.1	0.0	19.8	6
	Additional						50.0			
01VA 69th St/ Hwy 11 Connection	Total 01VA SD Highway 11		437.5	10.0	400	313	72.7	1.4	3,499.9	1,201
	900+96 to 909+84	L	36.7	0.84	45	26	1.8	0.2	293.3	101
	900+69 to 912+34	R	69.7	1.60	55	50	3.5	0.4	557.8	192
	910+16 to 912+67	L	19.8	0.45	10	14	1.0	0.1	158.5	54
	913+20 to 912+69	L	16.9	0.39	0	12	0.8	0.1	134.8	46
	913+02 to 912+69	R	19.0	0.44	0	14	0.9	0.1	151.6	52
PCN 08DK 57th Street	Total 01VA 69th St/CR102 Connection		162.0	3.7	110	116	8.0	0.9	1,296.1	445
	Total 01VA		3,037.7	69.7	2,739	2,175	207.5	9.6	24,301.7	8,359
	55+70 to 64+25	R	23.4	0.54	36	17	1.0	0.3	187.3	64
	62+22 to 64+00	L	1.0	0.02	7	1	0.0	0.0	8.4	2
	65+90 to 70+10	L	3.9	0.09	27	3	0.2	0.1	31.4	10
	66+18 to 69+49	R	3.4	0.08	24	2	0.1	0.1	27.2	9
PCN 08DJ 69th Street	67+42 to 69+49	L	81.5	1.87	0	58	4.5	0.0	651.8	224
	Total 08DK 57th Street		113.2	2.6	94	81	5.8	0.4	906.0	309
	1109+40 to 1109+80	L	1.4	0.03	0	1	0.0	0.0	11.1	3
	1109+40 to 1110+64	R	1.4	0.03	0	1	0.1	0.0	11.1	3
	1110+10 to 1134+49	L	75.8	1.74	0	54	4.0	0.2	606.4	208
	1113+05 to 1134+60	R	101.2	2.32	0	72	5.6	0.0	809.4	278
Total 08DJ 69th Street	1118+00 to 1122+77	L	3.4	0.08	24	0	0.2	0.0	27.0	9
	1118+00 to 1134+68	R	11.6	0.27	81	0	0.6	0.1	92.7	31
	1123+42 to 1134+65	L	7.3	0.17	51	0	0.4	0.0	58.0	19
Total 08DJ 69th Street			202.0	4.6	156	129	10.8	0.4	1,615.8	551
(1) Quantities at borrow pits assume a 40' wide seeding strip around the perimeter of the borrow pits.										
(2) It is assumed that Bonded Fiber Matrix will be applied in areas around intersections and along developed properties; all other areas will										
(3) See Section H for fertilizer in the Veterans Parkway and 69th St raised medians.										



PERMANENT SEEDING

The areas to be seeded consist of all newly graded areas within the project limits except for the top of roadways, sidewalks, and temporary easements under cultivation. For quantities, seeding was assumed to extend to the temporary easement limits.

See Section H for Veterans Parkway, 69th Street, and 57th Street median seeding.

Type D Permanent Seed Mixture will be used on mowed areas in boulevards, medians, and at 4% or flatter slopes for Veterans Parkway and SD11, and on all seeded areas for the CIP projects and 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 be used in non-maintained areas on slopes steeper than 4% and 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

MULCHING (GRASS HAY OR STRAW) FOR TEMPORARY STABILIZATION

Grass Hay or Straw Mulch for temporary stabilization is to be used on this project at locations noted in the table and at locations determined by the Engineer during construction.

An additional 50 tons of Grass Hay or Straw Mulch has been added to the Estimate of Quantities for temporary erosion control on areas determined by the Engineer during construction.

If the Contractor uses a no-till drill, mulch may be applied prior to seeding and the mulch can then be punched into the soil by the no-till drill. If the Contractor uses this process, the no-till drill seeding will be completed immediately following the mulch application and the mulch will be punched into the soil at a 3-inch depth.

BONDED FIBER MATRIX

Bonded fiber matrix will be hydraulically applied to the areas listed in the table and any other areas deemed necessary by the Engineer. In general, it assumed that bonded fiber matrix will be applied in areas around intersections and along developed properties.

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

WATER FOR VEGETATION

See Section H for water for vegetation in median areas.

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 10.5 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".

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-0100(107)411 P 1440(00) & P 1432(00)	D4	D46

REV. DATE: 11-14-2025
INITIAL: JHU

SOIL STABILIZER

An estimated quantity of 20 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.

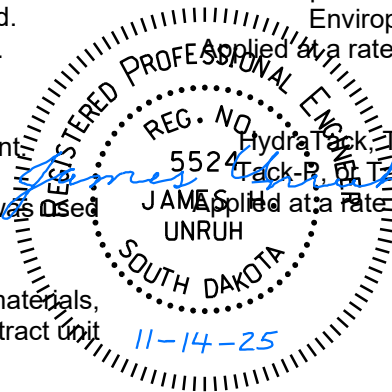
The Contractor will apply soil stabilizer in accordance with the manufacturer's application instructions and at the rate specified in the list of approved soil stabilizers.

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 will be from the list below or an approved equal:

Product	Manufacturer
StarTak 600 Applied at a rate of 150 Lb/Acre	Chemstar Products Company Minneapolis, MN Phone: 1-800-328-5037 www.chemstar.com
Pam-12 Plus Applied at a rate of: Slope None to 4:1 1000 Lb/Acre 4:1 to 3:1 1000 to 2000 Lb/Acre 3:1 to 2:1 2000 to 3000 Lb/Acre M-Binder Applied at a rate of 150 Lb/Acre	ENCAP, LLC Green Bay, WI Phone: 1-920-406-5050 https://encappro.com/
FiberRX Applied at a rate of: Slope None to 4:1 50 Lb/Acre 3:1 60 Lb/Acre 2:1 70 Lb/Acre 1:1 or steeper 80 Lb/Acre	Ecology Controls Carpinteria, CA Phone: 1-805-684-0436 www.ssseeds.com
EnviroPam Applied at a rate of 9 Lb/Acre	HydroStraw, LLC Manteno, IL Phone: 1-800-545-1755 http://www.hydrostraw.com
HydraTack, Tack Plus, Tack-P, or Tack-P Plus Applied at a rate of 30 Lb/Acre	Innovative Turf Solutions, LLC Lebanon, OH Phone: 1-513-317-8311 www.innovativeturfsolutions.com



SOIL STABILIZER (CONTINUED)

FI-1045 Hydrobond or
FI-1046 Hydrobond
Applied at a rate of 15 Lb/Acre

HF5000 Tack
Applied at a rate of 60 Lb/Acre

R-Tack
Applied at a rate of 150 Lb/Acre

SpecTac
Applied at a rate of:
Slope
None 30 to 80 Lb/Acre
4:1 50 to 100 Lb/Acre
3:1 80 to 120 Lb/Acre
2:1 100 to 170 Lb/Acre

Super Tack
Applied at a rate of 60 Lb/Acre

EarthGuard SFM
Applied at a rate of 60 LB/Acre
(approx. 6 Gallons/Acre)

JRM Chemical, Inc.
Cleveland, OH
Phone: 1-216-475-8488
www.soilmoist.com

Rantec Corporation
Ranchester, WY
Phone: 1-307-655-9565
www.ranteccorp.com

Phone: 1-307-655-9565
www.ranteccorp.com
Rantec Corporation
Ranchester, WY
Phone: 1-307-655-9565
www.ranteccorp.com

Rantec Corporation
Ranchester, WY
Phone: 1-307-655-9565
www.ranteccorp.com
Terra Novo Inc.
Bakersfield, CA
Phone: 1-888-843-1029
www.terranovo.com

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:

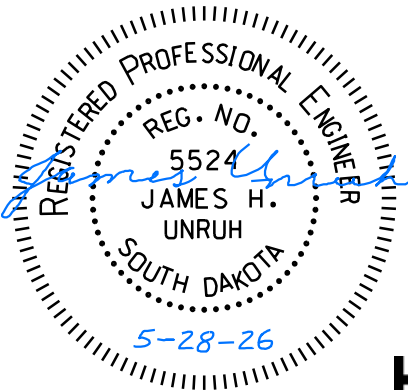
<http://apps.sd.gov/HC60ApprovedProducts/main.aspx>

TABLE OF EROSION CONTROL WATTLE					
Station	L/R	Diameter (in)	Location	Quantity (Ft)	Remove and Reset
01VA (Veterans Parkway)					
434+00	L	12	ditch	46	12
435+50	L	12	ditch	46	12
437+00	L	12	ditch	46	12
438+50	L	12	ditch	46	12
440+00	L	12	ditch	46	12
441+50	L	12	ditch	46	12
443+00	L	12	ditch	46	12
444+50	L	12	ditch	46	12
446+00	L	12	ditch	46	12
447+50	L	12	ditch	46	12
438+70	R	12	ditch	46	12
440+20	R	12	ditch	46	12
441+70	R	12	ditch	46	12
443+20	R	12	ditch	46	12
444+70	R	12	ditch	46	12
446+20	R	12	ditch	46	12
447+70	R	12	ditch	46	12
483+80	R	12	ditch	46	12
485+30	R	12	ditch	46	12
486+80	R	12	ditch	46	12
498+28	L	12	ditch	46	12
499+78	L	12	ditch	46	12
501+28	L	12	ditch	46	12
502+78	L	12	ditch	46	12
504+28	L	12	ditch	46	12
505+85	L	12	ditch	92	23
507+35	L	12	ditch	92	23
508+85	L	12	ditch	92	23
510+35	L	12	ditch	92	23
514+10	R	12	ditch	46	12
515+60	R	12	ditch	46	12
517+10	R	12	ditch	46	12
520+35	R	12	ditch	92	23
521+85	R	12	ditch	92	23
01VA Veterans Parkway Total				1,840	461

FOR BIDDING PURPOSES ONLY
REV. DATE: 5-26-2024
INITIAL: JHU

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-0100(107)411 P 1440(00) & P 1432(00)	D5	D46

01VA (SD Highway 11)					
1148+30	L	12	ditch	46	12
1149+80	L	12	ditch	46	12
1151+30	L	12	ditch	46	12
1155+50	L	12	ditch	46	12
1156+50	L	12	ditch	46	12
1159+00	R	12	ditch	46	12
1160+50	R	12	ditch	46	12
1162+00	R	12	ditch	46	12
1164+00	R	12	ditch	46	12
1165+50	R	12	ditch	46	12
1167+00	R	12	ditch	46	12
1169+00	R	12	ditch	46	12
01VA SD Hwy 11 Total				552	138
01VA (69th Street / SD Hwy 11)					
901+00	R	12	ditch	46	12
902+15	R	12	ditch	46	12
903+65	R	12	ditch	46	12
905+15	R	12	ditch	46	12
906+85	R	12	ditch	46	12
908+35	R	12	ditch	46	12
01VA (69th Street / CR102) Total				276	69
Additional Quantity				200	50
01VA Total				2,868	718



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.

HIGH FLOW SILT FENCE

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

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

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

An additional quantity of high flow silt fence has been added to the Estimate of Quantities for temporary sediment control

TABLE OF LOW FLOW SILT FENCE				
Station to	Station	L/R	Location	Quantity (Ft)
01VA Veterans Parkway				
430+00	434+60	L	perimeter	460
430+00	448+00	R	perimeter	1,800
443+50	447+00	L	perimeter	350
448+75	470+50	L	perimeter	2,175
448+75	461+50	R	perimeter	1,275
477+00	479+00	R	perimeter	670
476+80	480+00	L	perimeter	320
480+00	505+00	R	perimeter	2,700
481+00	498+50	L	perimeter	1,750
509+00	518+50	R	perimeter	950
512+00	518+25	L	perimeter	625
519+50	524+00	R	perimeter	570
520+50	523+75	L	perimeter	260
523+50	538+70	L	perimeter	1,600
Borrow Pit #5 (Pond C)			perimeter & wetlands	1,700
Borrow Pit #5 (Pond E)			perimeter & wetlands	500
Borrow Pit #8 (Jamison Pond)			perimeter & wetlands	950
Total 01VA Veterans Parkway				18,655
01VA SD11				
1139+00	1140+00	L	perimeter	100
1141+00	1146+00	L	perimeter	500
1141+50	1158+00	R	perimeter	1,650
1147+75	1151+25	L	perimeter	400
1151+25	1152+50	L	perimeter	300
1156+50	1166+50	L	perimeter	1,050
1163+25	1164+25	R	perimeter	115
1164+25	1169+30	R	perimeter	500
Total 01VA SD11				4,615
01VA 69th Street / CR102				
901+00	908+50	R	perimeter	750
904+50	908+50	L	perimeter	400
909+25	909+75	L	perimeter	125
909+25	912+00	R	perimeter	250
910+00	912+30	L	perimeter	250
Total 01VA 69th St/CR102				1,775
Quantity from Interim Sediment Control at Inlets				4,401
Additional quantity				200
Total 01VA				29,646

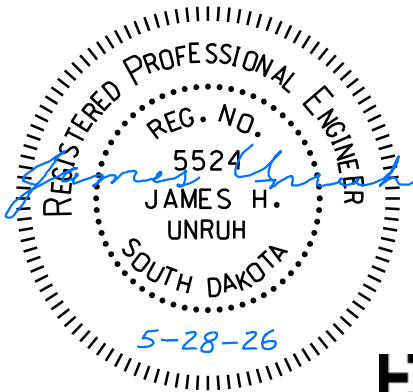
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REV. DATE: 5-26-2026

INITIAL: JHU

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-0100(107)411 P 1440(00) & P 1432(00)	D6	D46

TABLE OF LOW FLOW SILT FENCE				
Station to	Station	L/R	Location	Quantity (Ft)
08DK 57th Street				
55+70	64+20	R	perimeter	850
62+20	64+00	L	perimeter	170
Quantity from Interim Sediment Control at Inlets				367
Additional quantity				25
Total 08DK				1,412
08DJ 69th Street				
1109+40	1110+61	R	perimeter	120
1109+65	1109+72	L	perimeter	60
1113+09	1124+16	L	perimeter	1,170
1113+60	1115+42	R	perimeter	180
1124+22	1127+61	L	perimeter	342
Quantity from Interim Sediment Control at Inlets				414
Additional quantity				50
Total 08DJ 69th Street				2,336

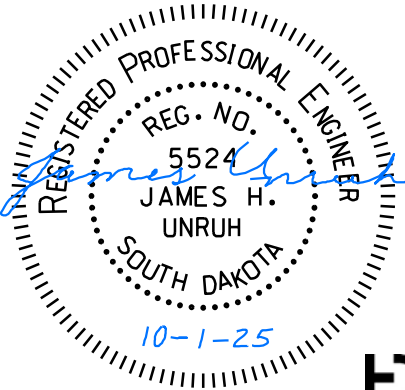


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STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-0100(107)411 P 1440(00) & P 1432(00)	D7	D46

TABLE OF HIGH FLOW SILT FENCE			
Station	L/R	Location	Quantity (Ft)
01VA Veterans Parkway			
434+96	L	Outlet end pipe	30
448+02	L	Inlet end pipe	80
448+38	R	Outlet end pipe	80
480+35	L	Inlet end pipe	80
479+68	R	Outlet end pipe	80
487+04	R	Outlet end pipe	30
498+05	L	Outlet end pipe	30
504+70	L	Inlet end pipe	40
511+70	L	Inlet end pipe	30
512+00	L	Inlet end pipe	30
512+20	L	Inlet end pipe	30
513+32	R	Outlet end pipe	30
515+72	R	Outlet end pipe	30
517+94	R	Outlet end pipe	30
520+52	R	Outlet end pipe	30
522+43	R	Inlet end pipe	40
522+96	L	Outlet end pipe	40
523+45	L	Outlet end pipe	30
529+97	L	Outlet end pipe	30
532+37	L	Outlet end pipe	30
534+77	L	Outlet end pipe	30
		Subtotal	860
01VA SD11			
1139+70 to 1141+30	R	Outlet end pipe	160
1140+00 to 1141+00	L	Inlet end pipe	100
1145+44	R	Outlet end pipe	30
1147+94	L	Outlet end pipe	30
1150+44	L	Outlet end pipe	30
1153+70	R	Outlet end pipe	30
1156+95	L	Outlet end pipe	30
1160+94	R	Outlet end pipe	30
1164+36	R	Outlet end pipe	30
1166+58	R	Outlet end pipe	30
1167+55	R	Outlet end pipe	30
1166+34	L	Inlet end pipe	30
1167+16	L	Outlet end pipe	30
		Subtotal	590
01VA 69th St / CR102			
901+50	R	Outlet end pipe	30
908+66 to 909+16	L	Inlet end pipe	50
908+66 to 909+16	R	Outlet end pipe	50
		Subtotal	130
		Additional quantity	100
		Total 01VA	1,680

TABLE OF HIGH FLOW SILT FENCE			
08DK 57th Street			
66+03	L	Outlet end pipe	30
66+20	R	Outlet end pipe	30
Total 08DK 57th Street			60
08DJ 69th Street			
1109+66	L	Inlet end pipe	30
1110+29	L	Outlet end pipe	30
1114+16	L	Inlet end pipe	30
1114+22	R	Outlet end pipe	30
1115+38	L	Inlet end pipe	30
1115+55	R	Outlet end pipe	30
1118+09	R	Outlet end pipe	30
1122+29	L	Inlet end pipe	30
1125+81	L	Inlet end pipe	30
1126+77	L	Outlet end pipe	30
1129+64	L	Outlet end pipe	30
1130+28	L	Inlet end pipe	30
1131+77	R	Outlet end pipe	30
1133+00	L	End pipe	30
1133+00	R	End pipe	30
Additional quantity			50
Total 08DJ 69th Street			500



STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-0100(107)411 P 1440(00) & P 1432(00)	D8	D46

DEWATERING AND SEDIMENT COLLECTING

The Contactor has the option to treat sediment laden water trapped within the project limits or the Contactor may elect to transport sediment laden water off the project. Refer to the OPTIONS FOR DEWATERING AND SEDIMENT COLLECTING detail sheet for more information.

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.

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 following table is a list of known construction entrance products available for use:

Product	Manufacturer
Grizzly Rumble Grate (10' width and 24' length required)	Trackout Control, LLC Tempe, AZ Phone: 1-800-761-0056 www.trackoutcontrol.com
Pro Grid (12' width and 24' length including combination of grids and ramps required)	Pro-Tec Equipment, Inc. Charlotte, MI Phone: 1-800-292-1225 www.pro-tecequipment.com
Tracking Pad (12' width and 24' length (2 – 12'x12' pads) and 2 – 4'x4' turning flares)	Tracking Pads LLC Commerce City, CO Phone: 1-303-501-5640 www.trackingpads.com
FODS Trackout Control Mat (12' width and 5 mats to get a 35' length)	FODS, LLC Denver, CO Phone: 1-844-200-3637 http://www.geffods.com
DuraDeck and MegaDeck HD An adequate quantity is needed to prevent tires from becoming muddy (does not remove mud)	Signature Systems Group, LLC Flower Mound, TX Phone: 1-800-931-7301 https://www.signature-systems.com/

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.

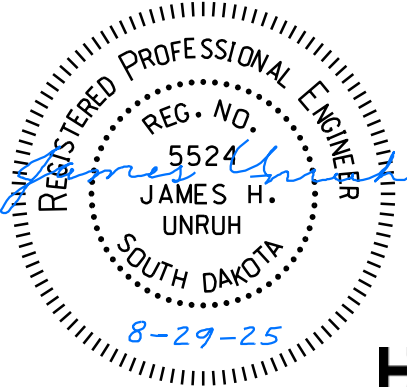
The Reinforcement Fabric (MSE) should be kept as taut as possible prior to placing.

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 AREA

A concrete washout area 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 will wash out at approved site constructed by the concrete supplier.



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

Refer to Standard Plate 734.05 for details of installation of high flow silt fence at drop inlets, manholes, and junction boxes.

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

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

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 will be as shown below or an approved equal:

Product	Manufacturer
Snake Bag	Sacramento Bag Manufacturing Co. Sacramento, CA Phone: 1-800-287-2247 www.sacbag.com
Rock Log	SRW Products Princeton, MN Phone: 1-763-260-7822 www.srwproducts.com

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 high 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 1/2”.

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”.

Sediment collection devices will be:

A commercial made sediment collection device from the “Sediment Control at Inlet with Frame and Grate” list or an approved equal. The device will be installed in reinforced concrete drop inlets in accordance with the manufacturer’s recommendations.

Sediment Control at Inlet with Frame and Grate Approved List:

Product	Manufacturer
InfraSafe Debris Collection Device with filter sock	Royal Environmental Systems, Inc. Stacy, MN Phone: 1-800-817-3240 www.royalenterprises.net
Dandy Curb Sack and Dandy Curb Bag for curb inlets. Dandy Bag, Dandy Sack, and Dandy Pop for median drains. Silt Trapper	Dandy Products Inc. Powell, OH Phone: 1-800-591-2284 www.dandyproducts.com
DIP Basket	Storm Water Solutions Lakeville, MN Phone: 1-952-461-4376 www.silttrapper.com
FLEXSTORM Inlet Filters	Skyview Construction Co., LLC Summit, SD Phone: 1-605-520-0555 Inlet and Pipe Protection, Inc. Naperville, IL Phone: 1-866-287-8655 www.inletfilters.com
GR-8 Guard or Combo Guard	ERTEC Environmental Systems LLC Alameda, CA Phone: 1-866-521-0724 www.ertecsystems.com

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BX Inlet Sediment Boxes

EZ-Flo and EZ-Catch

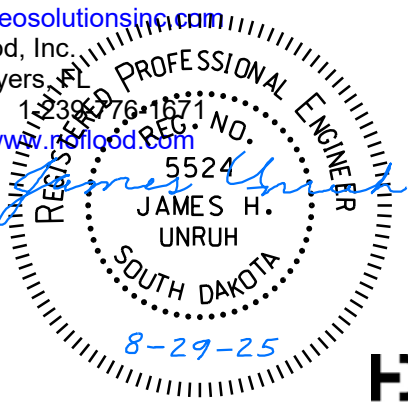
Basin Bag

BX Civil and Construction
Dell Rapids, SD
Phone: 1-605-428-5483
http://www.bx-cc.com
Flo-Water, LLC
West Des Moines, IA
Phone: 1-515-577-6763
www.flo-water.net
CSI Geoturf
Highland, MI
Phone: 1-248-887-0855
https://geoturf.com/

SEDIMENT CONTROL AT TYPE S REINFORCED CONCRETE DROP INLETS

The sediment control device provided will be from the list shown below. Refer to Standard Plate 734.11 for details.

Product	Manufacturer
Dandy Curb	Dandy Products Inc. Powell, OH Phone: 1-800-591-2284 www.dandyproducts.com
Gutterbuddy	ACF Environmental Richmond, VA Phone: 1-800-448-3636 www.acfenvironmental.com
Curb Inlet Guard	ECTEC Environmental Systems LLC Alameda, CA Phone: 1-866-521-0724 www.ertecsystems.com
EZ-ClipGuard	Flo-Water, LLC West Des Moines, IA Phone: 1-515-577-6763 www.flo-water.net
TSL E-Sock	Three Sons Landscaping Rapid City, SD Phone: 1-605-391-1903
12” Silt Sock	Aspen Ridge Lawn and Landscaping, LLC Rapid City, SD Phone: 1-605-716-4080 https://aspenridgelandscaping.com/
GeoCurve	GeoSolutions, Inc. Austin, TX Phone: 1-512-330-0796 www.geosolutionsinc.com
Smart Curb Filter	NoFlood, Inc. Fort Myers, FL Phone: 1-239-476-1671 http://www.noflood.com



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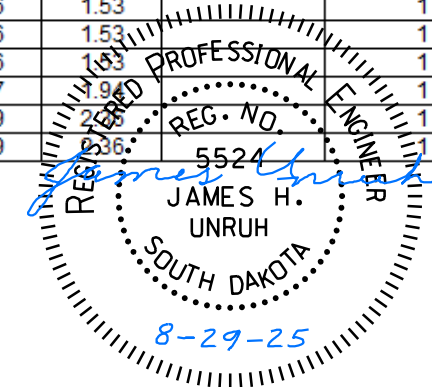
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-0100(107)411 P 1440(00) & P 1432(00)	D10	D46

TABLE OF STORM SEWER DROP INLETS AND JUNCTION BOXES

Station	Offset	Inlet Type	Before surfacing				After surfacing	
			Low Flow Silt Fence Quantity (ft)	Sediment Filter Bag Quantity (ft)	Remove Sediment (CuYd)	Mucking Silt Fence (CuYd)	Sediment Control at Type S inlets (ft)	Sediment Control at inlets with frames and (Each)
01VA (Veterans Parkway)								
430+89.00	65.67'	L DOT 4x4 Type B	28	32	0.07	1.94		1
432+77.00	65.67'	L DOT 3x4 Type B	26	30	0.07	1.80		1
434+05.00	53.67'	L DOT 3x4 Type B	26	30	0.07	1.80		1
434+96.00	53.67'	L DOT 3x4 Type B	26	30	0.07	1.80		1
437+00.00	53.67'	L DOT 3x4 Type B	26	30	0.07	1.80		1
438+35.00	53.67'	L DOT 3x4 Type B	26	30	0.07	1.80		1
439+70.00	53.67'	L DOT 3x4 Type B	26	30	0.07	1.80		1
441+20.00	53.67'	L DOT 4x4 Type B	28	32	0.07	1.94		1
441+70.00	53.67'	L 3 Grate Type B (W=4')	38	42	0.10	2.64		1
441+70.00	13.33'	L DOT 3x4 Type B	26	30	0.07	1.80		1
442+20.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
443+58.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
445+10.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
430+89.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
432+77.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
434+96.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
437+00.00	14.33'	R DOT 3x4 Type B	26	30	0.07	1.80		1
438+35.00	14.33'	R DOT 3x4 Type B	26	30	0.07	1.80		1
439+70.00	14.33'	R DOT 3x4 Type B	26	30	0.07	1.80		1
441+20.00	14.33'	R DOT 4x4 Type B	28	32	0.07	1.94		1
441+70.00	14.33'	R 3 Grate Type B (W=4')	38	42	0.10	2.64		1
441+70.00	53.67'	R DOT 3x4 Type B	26	30	0.07	1.80		1
442+20.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
443+58.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
445+10.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
453+10.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
454+85.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
456+59.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
458+32.00	53.67'	L DOT 3x4 Type B	26	30	0.07	1.80		1
460+06.00	53.67'	L DOT 3x4 Type B	26	30	0.07	1.80		1
461+80.00	53.67'	L DOT 3x4 Type B	26	30	0.07	1.80		1
462+30.00	53.67'	L 3 Grate Type B (W=3')	36	40	0.09	2.50		1
462+30.00	14.33'	L DOT 3x4 Type B	26	30	0.07	1.80		1
462+80.00	53.67'	L DOT 3x4 Type B	26	30	0.07	1.80		1
464+09.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
465+23.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
466+37.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
453+10.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
454+85.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
456+59.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
458+32.00	14.33'	R DOT 3x4 Type B	26	30	0.07	1.80		1
460+06.00	14.33'	R DOT 3x4 Type B	26	30	0.07	1.80		1
461+80.00	14.33'	R DOT 3x4 Type B	26	30	0.07	1.80		1
462+30.00	14.33'	R 3 Grate Type B (W=3')	36	40	0.09	2.50		1
462+30.00	53.67'	R DOT 3x4 Type B	26	30	0.07	1.80		1
462+80.00	14.33'	R DOT 3x4 Type B	26	30	0.07	1.80		1
464+09.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
465+23.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
466+37.20	2.29'	R DOT 2x3 Type B	22	26	0.06	1.53		1
466+85.34	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1

TABLE OF STORM SEWER DROP INLETS AND JUNCTION BOXES

Station	Offset		Inlet Type	Before surfacing				After surfacing	
				Low Flow Silt Fence Quantity	Sediment Filter Bag Quantity	Remove Sediment	Mucking Silt Fence	Sediment Control at Type S inlets	Sediment Control at inlets with frames and
				(ft)	(ft)	(CuYd)	(CuYd)	(ft)	(Each)
01VA (Veterans Parkway)									
468+15.00	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
466+85.52	7.04'	L	DOT 3x4 Type B	26	30	0.07	1.80		1
468+15.00	9.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
476+13.00	65.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
477+73.50	62.33'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
479+34.50	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
476+13.00	53.67'	R	DOT 2x3 Type B	22	26	0.06	1.53		1
477+73.50	53.67'	R	DOT 2x3 Type B	22	26	0.06	1.53		1
479+34.50	53.67'	R	DOT 2x3 Type B	22	26	0.06	1.53		1
480+72.50	53.67'	L	DOT 3x4 Type B	26	30	0.07	1.80		1
481+69.19	53.67'	L	DOT 3x4 Type B	26	30	0.07	1.80		1
482+14.00	53.67'	L	4 Grate Type B (W=3')	40	44	0.10	2.78		1
482+69.19	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
480+58.00	53.67'	R	DOT 3x4 Type B	26	30	0.07	1.80		1
481+69.19	53.67'	R	DOT 3x4 Type B	26	30	0.07	1.80		1
482+14.00	53.67'	R	4 Grate Type B (W=3')	40	44	0.10	2.78		1
482+69.19	53.67'	R	DOT 2x3 Type B	22	26	0.06	1.53		1
486+55.27	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
487+04.00	53.67'	L	2 Grate type B (W=2')	28	32	0.07	1.94		1
487+55.27	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
486+55.27	53.67'	R	DOT 2x3 Type B	22	26	0.06	1.53		1
487+04.00	53.67'	R	2 Grate type B (W=2')	28	32	0.07	1.94		1
487+55.27	53.67'	R	DOT 2x3 Type B	22	26	0.06	1.53		1
494+60.00	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
495+76.00	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
497+24.00	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
497+56.00	53.67'	L	DOT 3x4 Type B	26	30	0.07	1.80		1
498+05.66	53.67'	L	3 Grate Type B (W=3')	36	40	0.09	2.50		1
498+05.66	14.33'	L	DOT 3x4 Type B	26	30	0.07	1.80		1
498+56.00	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
499+70.00	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
494+60.00	53.67'	R	DOT 2x3 Type B	22	26	0.06	1.53		1
495+76.00	53.67'	R	DOT 2x3 Type B	22	26	0.06	1.53		1
497+24.00	14.33'	R	DOT 2x3 Type B	22	26	0.06	1.53		1
497+56.00	14.33'	R	DOT 2x3 Type B	22	26	0.06	1.53		1
498+05.66	14.33'	R	3 Grate Type B (W=3')	36	40	0.09	2.50		1
498+05.66	53.67'	R	DOT 3x4 Type B	26	30	0.07	1.80		1
498+56.00	14.33'	R	DOT 2x3 Type B	22	26	0.06	1.53		1
499+70.00	14.33'	R	DOT 2x3 Type B	22	26	0.06	1.53		1
507+30.00	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
508+65.00	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
510+00.00	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
511+49.09	53.67'	L	DOT 2x3 Type B	22	26	0.06	1.53		1
511+79.00	53.67'	L	2 Grate type B (W=2')	28	32	0.07	1.94		1
512+00.00	53.67'	L	3 Grate Type B (W=2')	34	38	0.09	2.50		1
512+00.00	14.33'	L	2 Grate type B (W=2')	34	38	0.09	2.50		1

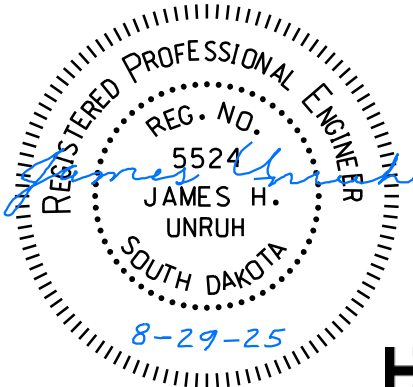


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STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-0100(107)411 P 1440(00) & P 1432(00)	D11	D46

TABLE OF STORM SEWER DROP INLETS AND JUNCTION BOXES								
Station	Offset	Inlet Type	Before surfacing				After surfacing	
			Low Flow Silt Fence Quantity	Sediment Filter Bag Quantity	Remove Sediment	Mucking Silt Fence	Sediment Control at Type S inlets	Sediment Control at inlets with frames and
			(ft)	(ft)	(CuYd)	(CuYd)	(ft)	(Each)
01VA (Veterans Parkway)								
512+20.70	53.67'	L 2 Grate type B (W=2')	28	32	0.07	1.94		1
512+50.73	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
507+30.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
508+65.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
510+00.00	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
511+49.09	14.33'	R DOT 2x3 Type B	22	26	0.06	1.53		1
511+79.00	14.33'	R 2 Grate type B (W=2')	28	32	0.07	1.94		1
512+00.00	14.33'	R 3 Grate Type B (W=2')	34	38	0.09	2.36		1
512+00.00	53.67'	R 2 Grate type B (W=2')	34	38	0.09	2.36		1
512+20.70	14.33'	R 2 Grate type B (W=2')	28	32	0.07	1.94		1
512+50.93	9.71'	R DOT 2x3 Type B	22	26	0.06	1.53		1
513+32.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
513+32.00	6.73'	L DOT 2x3 Type B	22	26	0.06	1.53		1
515+72.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
515+72.00	9.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
517+94.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
517+94.00	65.67'	R DOT 2x3 Type B	22	26	0.06	1.53		1
520+52.00	65.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
520+52.00	53.67'	R DOT 2x3 Type B	22	26	0.06	1.53		1
523+45.00	65.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
523+45.00	53.67'	R DOT 2x3 Type B	22	26	0.06	1.53		1
525+17.00	64.00'	L DOT 2x3 Type B	22	26	0.06	1.53		1
525+17.00	53.67'	R DOT 2x3 Type B	22	26	0.06	1.53		1
527+57.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
527+57.00	53.67'	R DOT 2x3 Type B	22	26	0.06	1.53		1
529+97.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
529+97.00	53.67'	R DOT 2x3 Type B	22	26	0.06	1.53		1
532+37.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
532+37.00	53.67'	R DOT 2x3 Type B	22	26	0.06	1.53		1
534+77.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
534+77.00	53.67'	R DOT 2x3 Type B	22	26	0.06	1.53		1
536+90.00	53.67'	L DOT 2x3 Type B	22	26	0.06	1.53		1
536+90.00	53.67'	R DOT 2x3 Type B	22	26	0.06	1.53		1
539+17.58	53.67'	R DOT 2x3 Type B	22	26	0.06	1.53		1
541+15.66	53.67'	R DOT 2x3 Type B	22	26	0.06	1.53		1

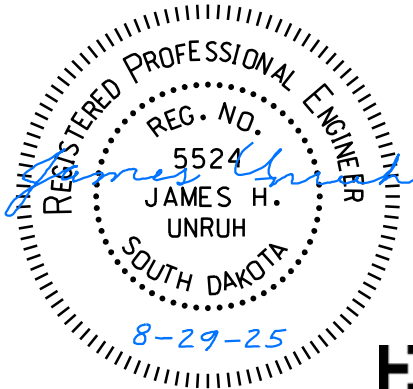
TABLE OF STORM SEWER DROP INLETS AND JUNCTION BOXES								
Station	Offset	Inlet Type	Before surfacing				After surfacing	
			Low Flow Silt Fence Quantity	Sediment Filter Bag Quantity	Remove Sediment	Mucking Silt Fence	Sediment Control at Type S inlets	Sediment Control at inlets with frames and
			(ft)	(ft)	(CuYd)	(CuYd)	(ft)	(Each)
01VA SD Hwy 11								
1139+94.00	51.44' L	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1139+94.00	36.17' R	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1143+44.00	36.17' L	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1143+44.00	39.91' R	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1145+44.00	36.17' L	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1145+44.00	48.17' R	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1147+94.00	48.17' L	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1147+94.00	42.17' R	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1148+55.00	41.39' R	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1149+00.00	38.18' R	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1149+57.86	46.20' L	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1150+00.66	41.28' L	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1150+43.85	37.39' L	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1150+43.85	36.17' R	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1153+70.22	36.17' L	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1153+70.22	36.17' R	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1157+44.00	36.17' L	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1157+44.00	36.17' R	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1160+94.00	36.17' L	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1160+94.00	36.17' R	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1164+36.50	39.67' L	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1164+36.50	39.67' R	3 Grate Type B (W=2')	34	38	0.09	2.36		1
1167+55.00	38.61' L	4 Grate Type B (W=2')	40	44	0.10	2.78		1



FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-0100(107)411 P 1440(00) & P 1432(00)	D12	D46

TABLE OF STORM SEWER DROP INLETS AND JUNCTION BOXES								
Station	Offset	Inlet Type	Before surfacing				After surfacing	
			Low Flow Silt Fence Quantity	Sediment Filter Bag Quantity	Remove Sediment	Mucking Silt Fence	Sediment Control at Type S inlets	Sediment Control at inlets with frames and
			(ft)	(ft)	(CuYd)	(CuYd)	(ft)	(Each)
01VA (69th Street / Co Rd 102 Connection)								
901+50.00	20.27'	R DOT 2x3 Type B	22	26	0.06	1.25		1
901+50.00	19.50'	L DOT 2x3 Type B	22	26	0.06	1.25		1
902+01.67	19.50'	L 2 Grate type B (W=2')	28	32	0.06	1.25		1
902+01.67	19.50'	R 2 Grate type B (W=2')	28	32	0.06	1.25		1
902+50.00	19.50'	L DOT 2x3 Type B	22	26	0.06	1.25		1
902+50.00	19.50'	R DOT 2x3 Type B	22	26	0.06	1.25		1
908+21.46	19.50'	L DOT 2x3 Type B	22	26	0.06	1.25		1
908+21.46	19.50'	R DOT 2x3 Type B	22	26	0.06	1.25		1
908+73.10	19.50'	L 2 Grate type B (W=2')	28	32	0.06	1.25		1
908+73.10	19.50'	R 2 Grate type B (W=2')	28	32	0.06	1.25		1
909+00.00	24.00'	R DOT 5x5 JB	33	37	0.06	1.25		
909+21.48	19.50'	L DOT 2x3 Type B	22	26	0.06	1.25		1
909+21.48	19.50'	R DOT 2x3 Type B	22	26	0.06	1.25		1
01VA Total			4,401	5,077	11.5	299	0	168
08DK (57th Street)								
57+38.00	35.47'	R 2 Grate type B (W=4')	32	36	0.06	1.25		1
61+85.31	52.83'	R 2 Grate type B (W=2')	28	32	0.06	1.25		1
61+87.00	33.85'	R DOT 5x5 JB	33	37	0.06	1.25		
63+10.00	40.86'	L DOT 3x4 Type B	26	30	0.06	1.25		1
63+55.00	40.86'	L 2 Grate type B (W=3')	30	34	0.06	1.25		1
63+96.85	43.48'	L DOT 3x4 Type B	26	30	0.06	1.25		1
63+10.00	56.13'	R DOT 3x4 Type B	26	30	0.06	1.25		1
63+55.00	56.13'	R 2 Grate type B (W=3')	30	34	0.06	1.25		1
64+00.00	56.13'	R DOT 3x4 Type B	26	30	0.06	1.25		1
64+00.00	34.50'	R DOT 5x5 JB	30	34	0.06	1.25		
65+75.00	35.00'	L Custom JB	40	44	0.06	1.25		
65+75.00	35.00'	R Custom JB	40	44	0.06	1.25		
08DK Total			367	415	0.7	15	0	8
08DJ (69th Street)								
1118+08.31	33.49'	L 3 Grate Type B (W=2')	34	38	0.09	2.36		1
1118+08.44	33.50'	R 3 Grate Type B (W=2')	34	38	0.09	2.36		1
1120+15.00	33.50'	L 3 Grate Type B (W=2')	34	38	0.09	2.36		1
1120+15.00	33.50'	R 3 Grate Type B (W=2')	34	38	0.09	2.36		1
1122+28.99	33.50'	R 3 Grate Type B (W=2')	34	38	0.09	2.36		1
1122+29.00	33.50'	L 3 Grate Type B (W=2')	34	38	0.09	2.36		1
1123+61.63	44.50'	L Single Grate Type B (W=2')	22	26	0.06	1.53		1
1131+25.54	33.50'	L 2 Grate type B (W=2')	26	30	0.07	1.80		1
1131+25.55	33.50'	R 2 Grate type B (W=2')	26	30	0.07	1.80		1
1131+77.22	36.50'	R DOT 4x11 Type S	42	46	0.11	2.91	42	
1131+77.16	36.50'	L DOT 4x11 Type S	42	46	0.11	2.91	42	
1132+28.89	33.50'	L 2 Grate type B (W=2')	26	30	0.07	1.80		1
1132+28.90	33.50'	R 2 Grate type B (W=2')	26	30	0.07	1.80		1
08DJ Total			414	466	1.1	29	84	11
Project Total			5,182	5,958	13.3	343	84	187



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

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

- 5.3 (3): DESCRIPTION OF CONSTRUCTION ACTIVITIES**
- **5.3 (3a): Project Limits** (See Title Sheet)
 - **5.3 (3a): Project Description** (See Title Sheet)
 - **5.3 (4): Site Map(s)** (See Title Sheet and Plans)
 - **Major Soil Disturbing Activities** (check all that apply)
 - ☒ Clearing and grubbing
 - ☒ Excavation/borrow
 - ☒ Grading and shaping
 - ☒ Filling
 - ☐ Other (describe):
 - **5.3 (3b): Total Project Area** 88.84 acres
 - **5.3 (3b): Total Area to be Disturbed** 76.28 acres
 - **5.3 (3c): Maximum Area Disturbed at One Time** 76.28 acres
 - **5.3 (3d): Existing Vegetative Cover (%)** 85
 - **5.3 (3d): Description of Vegetative Cover** Crops, grass, existing roadways.
 - **5.3 (3e): Soil Properties:** AASHTO Soil Classification A-2-4. A-6, A-7-6
 - **5.3 (3f): Name of Receiving Water Body/Bodies** Big Sioux River
 - **5.3 (3g): Location of Construction Support Activity Areas** N/A

5.3 (3h): ORDER OF CONSTRUCTION ACTIVITIES
The Contractor will enter the Estimated Start Date.

Description	Estimated Start Date
Install 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.	

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	

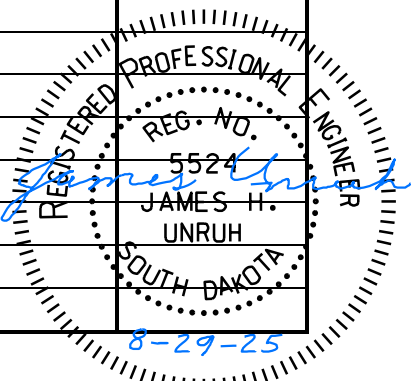
Dewatering BMPs

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 1/2 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**

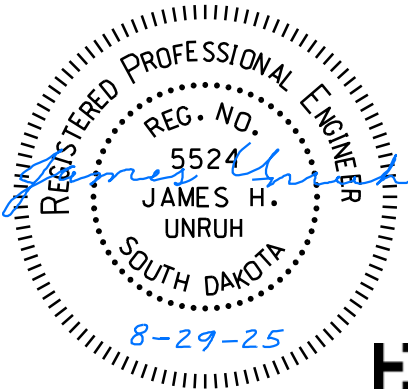
- All liquid waste materials will be collected and stored in approved sealed containers. All trash and construction debris from the site will be deposited in the approved containers. Containers will be serviced as necessary, and the trash will be hauled to an approved disposal site or licensed landfill. 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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	NH-0100(107)411 P 1440(00) & P 1432(00)	D15	D46

5.3 (9): CONSTRUCTION SITE POLLUTANTS

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

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

Product Specific Practices

- **Petroleum Products**

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

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

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

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

5.3 (10): NON-STORMWATER DISCHARGES

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

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

5.3 (11): INFEASIBILITY DOCUMENTATION

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

7.0: SPILL NOTIFICATION

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

- A release or spill of a regulated substance (includes petroleum and petroleum products) must be reported to SDDANR immediately **if any one of the following** conditions exists:

•

The release or spill threatens or is able to threaten waters of the state (surface water or ground water)

•

The release or spill causes an immediate danger to human health or safety

•

The release or spill exceeds 25 gallons

•

The release or spill causes a sheen on surface water

•

The release or spill of any substance that exceeds the ground water quality standards of ARSD Chapter 74:54:01

•

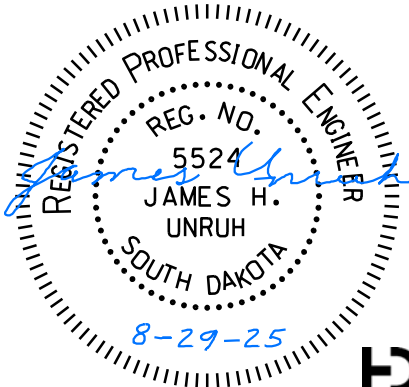
The release or spill of any substance that exceeds the surface water quality standards of ARSD Chapter 74:51:01

•

The release or spill of any substance that harms or threatens to harm wildlife or aquatic life

•

The release or spill is required to be reported according to Superfund Amendments and Reauthorization Act (SARA) Title III List of Lists, Consolidated List of Chemicals Subject to Reporting Under the Emergency Planning and Community Right to Know Act, US Environmental Protection Agency.
- To report a release or spill, call SDDANR at 605-773-3296 during regular office hours (8 a.m. to 5 p.m. Central Standard Time). To report the release after hours, on weekends or holidays, call South Dakota Emergency Management at 605-773-3231. Reporting the release to SDDANR does not meet any obligation for reporting to other state, local, or federal agencies. Therefore, you must also contact local authorities to determine the local reporting requirements for releases. A written report of the unauthorized release of any regulated substance, including quantity discharged, and the location of the discharge will be sent to SDDANR within 14 days of the discharge.



5.4: SWPPP CERTIFICATIONS

➤ Certification of Compliance with Federal, State, and Local Regulations

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

➤ South Dakota Department of Transportation

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

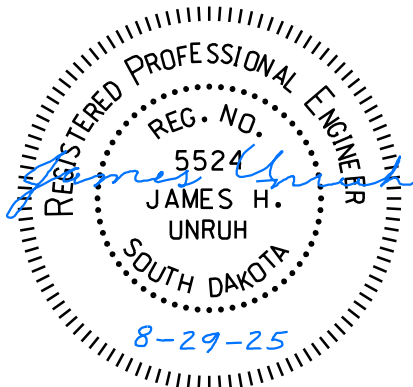
Authorized Signature (See the General Permit, Section 7.4 (1))

➤ Prime Contractor

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

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

Authorized Signature



CONTACT INFORMATION

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

➤ Contractor Information:

- Prime Contractor Name: _____
- Contractor Contact Name: _____
- Address: _____
- _____
- City: _____ State: _____ Zip: _____
- Office Phone: _____ Field: _____
- Cell Phone: _____ Fax: _____

➤ Erosion Control Supervisor

- Name: _____
- Address: _____
- _____
- City: _____ State: _____ Zip: _____
- Office Phone: _____ Field: _____
- Cell Phone: _____ Fax: _____

➤ SDDOT Project Engineer

- Name: _____
- Business Address: _____
- Job Office Location: _____
- City: _____ State: _____ Zip: _____
- Office Phone: _____ Field: _____
- Cell Phone: _____ Fax: _____

➤ SDDANR Contact Spill Reporting

- Business Hours Monday-Friday (605) 773-3296
- Nights and Weekends (605) 773-3231

➤ SDDANR Contact for Hazardous Materials.

- (605) 773-3153

➤ National Response Center Hotline

- (800) 424-8802.

➤ SDDANR Stormwater Contact Information

- SDDANR Stormwater (800) 737-8676
- Surface Water Quality Program (605) 773-3351

5.5: REQUIRED SWPPP MODIFICATIONS

➤ 5.5 (1): Conditions Requiring SWPPP Modification

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

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

➤ 5.5 (2): Deadlines for SWPPP Modification

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

➤ 5.5 (3): Documentation of Modifications to the Plan

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

➤ 5.5 (4): Certification Requirements

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

➤ 5.5 (5): Required Notice to Other Operators

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

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

EROSION AND SEDIMENT CONTROL LEGEND

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D17	D46
FILE: ...\\Section D\\D18 Legend.dgn PLOTING DATE: 08-28-2025		REV DATE: INITIAL:	

SYMBOLOLOGY FOR BEST MANAGEMENT PRACTICES

	RIP RAP (SEE SECTION B FOR DETAILS)
	SEDIMENT CONTROL AT INLET BEFORE PLACEMENT OF SURFACING
	SEDIMENT CONTROL AT INLET WHEN SURFACING IS IN PLACE
	LOW FLOW SILT FENCE
	HIGH FLOW SILT FENCE
	EROSION CONTROL WATTLES IN DITCHES
	SURFACE ROUGHENING
	TYPE G PERMANENT SEED MIXTURE
	TYPE D PERMANENT SEED MIXTURE
	PROPOSED DRAINAGE STRUCTURE / PIPE
	SURFACE FLOW DIRECTION
	RIGHT-OF-WAY
	PROPOSED ROADWAY
	WORK LIMITS

BMPs without symbology are listed below. Notes and details are shown in the plans if it has been determined the BMP is needed. In the event notes and details are needed for a particular BMP, contact the Road Design Office. If additional BMPs are required other than what is included in the plans, be sure to indicate they were added by updating the Storm Water Pollution Prevention Plan (SWPPP) / Section D.

Dewatering and Sediment Collecting--Water that needs to be removed for construction to progress can either be pumped into the sanitary sewer (with the City's permission), onto a long flat vegetated area, or through a filtration system as detailed in the plans.

Street Sweeping--Used to prevent sediment from tracking or blowing off the site.

Rip Rap--Notes and details are shown in Section B

Rip Rap for bridge berms--Notes and details are typically shown in Section E

Cover Crop--Typically seeded on all topsoil stockpiles and disturbed areas where grading is complete but permanent seeding cannot be done within 14 days due to seasonal limitations. Usually followed with Grass Hay/Straw Mulching.

Permanent Seeding--Done on all disturbed areas that are not going to be paved, graveled, or sodded. Permanent seeding can be done after mulching has been applied using a no-till drill.

Grass Hay/Straw Mulching--Usually follows Permanent Seeding. Mulching is done on all disturbed areas not covered with pavement, sodding, erosion control blanket, fiber mulching, bonded fiber matrix, or fiber reinforced matrix. It is not shown on the plan sheets unless it is put down as a temporary/Blue BMP.

Sediment Basins--Usually added to the plans if space is available on the construction site. It is preferred that they be installed prior to earth moving activities when possible. The Engineer determines whether or not a sediment basin will remain on the site or be removed after construction done.

Recommendations for maintaining a manageable site that meets the requirements of the Storm Water Permit are listed below.

Do not disturb more area than is needed to complete work.

Complete work near wet or sensitive areas of the project during the winter or dry seasons.

Keep the area disturbed under 10 acres at a time. The permit requires us to install a sediment basin for every 10 acres of common drainage disturbed.

Areas that have been temporarily or permanently stabilized with cover crop or permanent seeding and the appropriate mulch, blanket, or matrix are no longer considered disturbed--so stabilize as soon as possible.

BEST MANAGEMENT PRACTICES

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

INITIAL PHASE

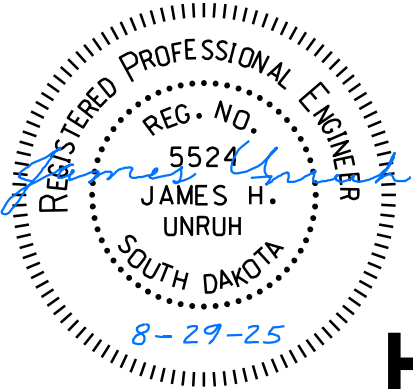
BMPs from the Legend shown as Orange Symbols on the Erosion and Sediment Control Plan Sheets are to be installed in the Initial Phase prior to earth disturbing activities. Other BMPs installed during the initial phase, like inlet protection on existing inlets, may remain in place, be removed, or be replaced depending on the fate of the inlet it is protecting. Most BMPs installed during this phase should remain in place until water is diverted or until Final Phase BMPs are installed.

INTERMEDIATE PHASE

BMPs from the Legend shown as Blue Symbols on the Erosion and Sediment Control Plan Sheets are to be installed during the Intermediate Phase to do one of the following:
--Dewater and/or collect sediment and debris from storm water
--Temporarily stabilize soil to reduce the need for excessive sediment capture
Sediment control BMPs should remain in place until Final Stabilization is achieved unless they are replaced by another BMP.

FINAL PHASE

BMPs from the Legend shown as Green Symbols on the Erosion and Sediment Control Plan Sheets are to be installed in the Final Phase to do one of the following:
--Achieve final stabilization through permanent erosion control.
--Capture sediment during final stabilization. BMPs used to capture sediment, such as inlet protection, should be removed once the vegetation reaches 75% of the background level. Other BMPs, like erosion control wattles, can be left to decompose.



Install Low Flow Silt Fence at the following locations:
430+00 to 434+60 L Perimeter 460 Ft
430+00 to 448+00 R Perimeter 1,800 Ft

Install High Flow Silt Fence at the following location:
434+96 L Outlet End Pipe 30 Ft

Install Interim Sediment Control at Inlets, Manholes, and Junction Boxes before the placement of surfacing at the following locations:

430+89.00 - 65.67' L	28 Ft Low Flow Silt Fence	32 Ft Sediment Filter Bags
430+89.00 - 14.33' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
432+77.00 - 65.67' L	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
432+77.00 - 14.33' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
434+05.00 - 53.67' L	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
434+96.00 - 53.67' L	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
434+96.00 - 14.33' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags

VETERANS PARKWAY

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D18	D46

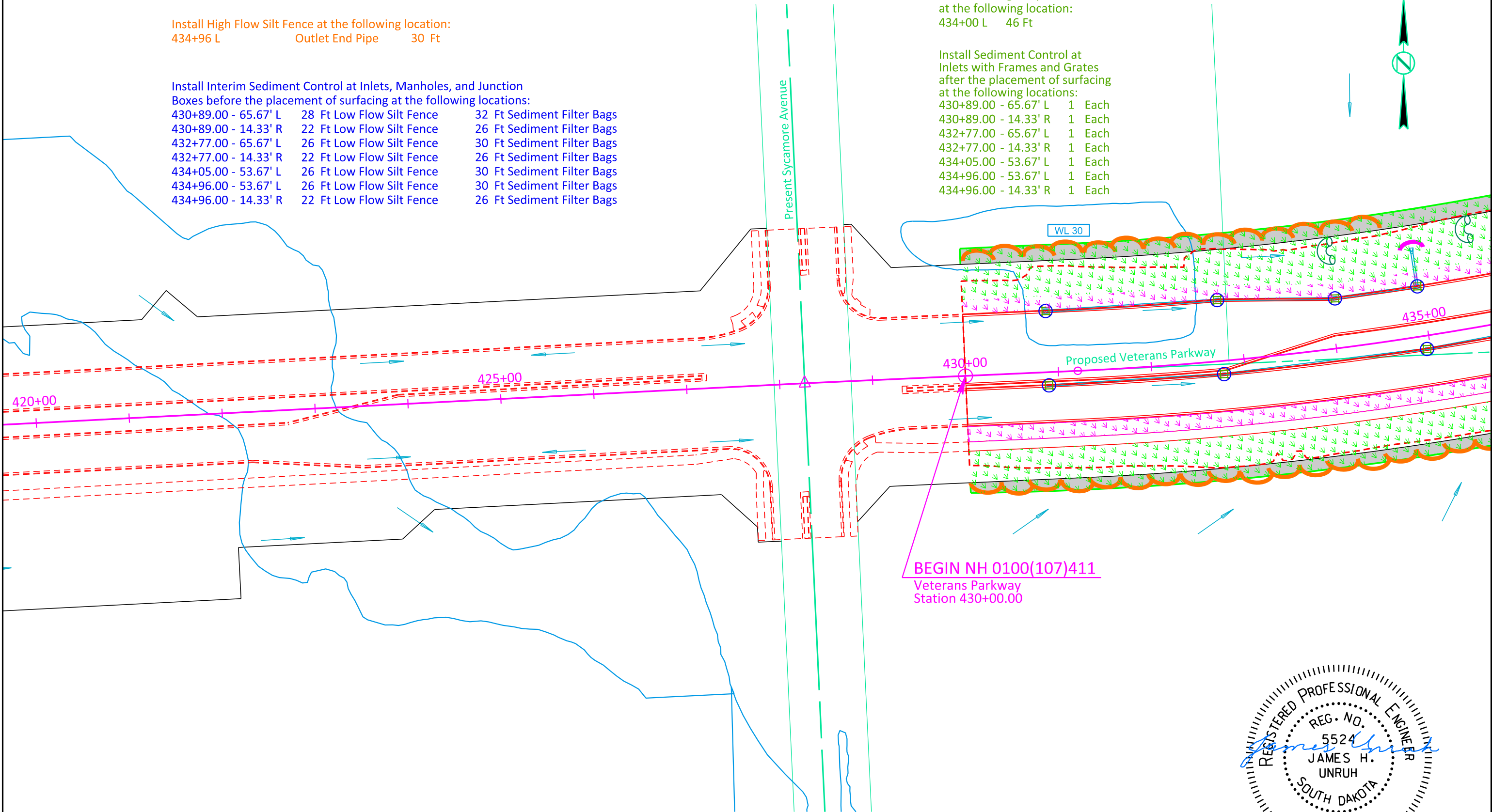
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PLOTING DATE: 08-28-2025

REV DATE:
INITIAL:

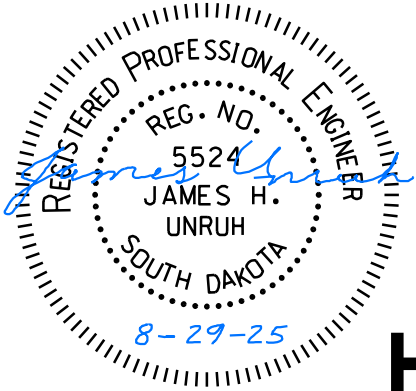
Install 12" Diameter Erosion Control Wattles
across the highway ditch channel bottom
at the following location:
434+00 L 46 Ft

Install Sediment Control at
Inlets with Frames and Grates
after the placement of surfacing
at the following locations:

430+89.00 - 65.67' L	1 Each
430+89.00 - 14.33' R	1 Each
432+77.00 - 65.67' L	1 Each
432+77.00 - 14.33' R	1 Each
434+05.00 - 53.67' L	1 Each
434+96.00 - 53.67' L	1 Each
434+96.00 - 14.33' R	1 Each



BEGIN NH 0100(107)411
Veterans Parkway
Station 430+00.00



FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D19	D46

FILE: ...\\Section D\\D20 (435+00).dgn
PLOT DATE: 08-28-2025

REV DATE:
INITIAL:

VETERANS PARKWAY

Install Interim Sediment Control at Inlets, Manholes, and Junction

Boxes before the placement of surfacing at the following locations:

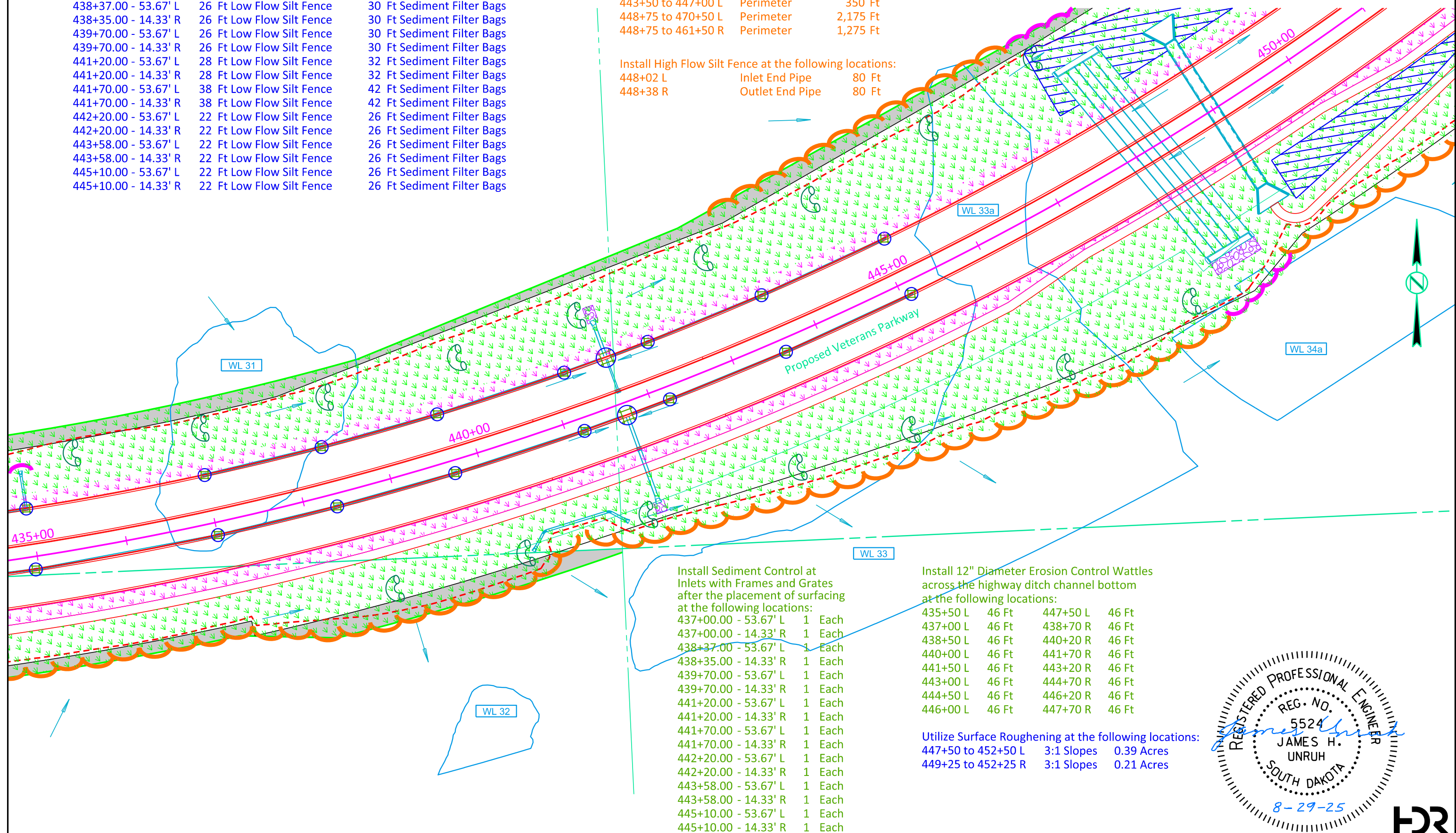
437+00.00 - 53.67' L	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
437+00.00 - 14.33' R	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
438+37.00 - 53.67' L	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
438+35.00 - 14.33' R	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
439+70.00 - 53.67' L	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
439+70.00 - 14.33' R	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
441+20.00 - 53.67' L	28 Ft Low Flow Silt Fence	32 Ft Sediment Filter Bags
441+20.00 - 14.33' R	28 Ft Low Flow Silt Fence	32 Ft Sediment Filter Bags
441+70.00 - 53.67' L	38 Ft Low Flow Silt Fence	42 Ft Sediment Filter Bags
441+70.00 - 14.33' R	38 Ft Low Flow Silt Fence	42 Ft Sediment Filter Bags
442+20.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
442+20.00 - 14.33' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
443+58.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
443+58.00 - 14.33' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
445+10.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
445+10.00 - 14.33' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags

Install Low Flow Silt Fence at the following locations:

443+50 to 447+00 L	Perimeter	350 Ft
448+75 to 470+50 L	Perimeter	2,175 Ft
448+75 to 461+50 R	Perimeter	1,275 Ft

Install High Flow Silt Fence at the following locations:

448+02 L	Inlet End Pipe	80 Ft
448+38 R	Outlet End Pipe	80 Ft



Install Sediment Control at Inlets with Frames and Grates after the placement of surfacing at the following locations:

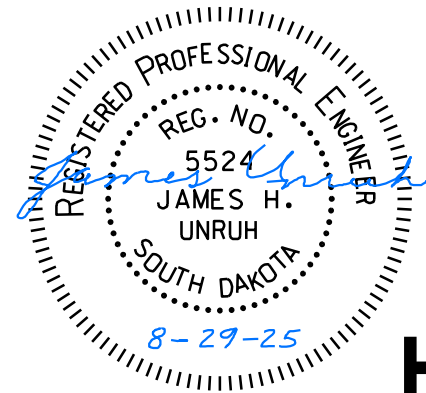
437+00.00 - 53.67' L	1 Each
437+00.00 - 14.33' R	1 Each
438+37.00 - 53.67' L	1 Each
438+35.00 - 14.33' R	1 Each
439+70.00 - 53.67' L	1 Each
439+70.00 - 14.33' R	1 Each
441+20.00 - 53.67' L	1 Each
441+20.00 - 14.33' R	1 Each
441+70.00 - 53.67' L	1 Each
441+70.00 - 14.33' R	1 Each
442+20.00 - 53.67' L	1 Each
442+20.00 - 14.33' R	1 Each
443+58.00 - 53.67' L	1 Each
443+58.00 - 14.33' R	1 Each
445+10.00 - 53.67' L	1 Each
445+10.00 - 14.33' R	1 Each

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

435+50 L	46 Ft	447+50 L	46 Ft
437+00 L	46 Ft	438+70 R	46 Ft
438+50 L	46 Ft	440+20 R	46 Ft
440+00 L	46 Ft	441+70 R	46 Ft
441+50 L	46 Ft	443+20 R	46 Ft
443+00 L	46 Ft	444+70 R	46 Ft
444+50 L	46 Ft	446+20 R	46 Ft
446+00 L	46 Ft	447+70 R	46 Ft

Utilize Surface Roughening at the following locations:

447+50 to 452+50 L	3:1 Slopes	0.39 Acres
449+25 to 452+25 R	3:1 Slopes	0.21 Acres



VETERANS PARKWAY

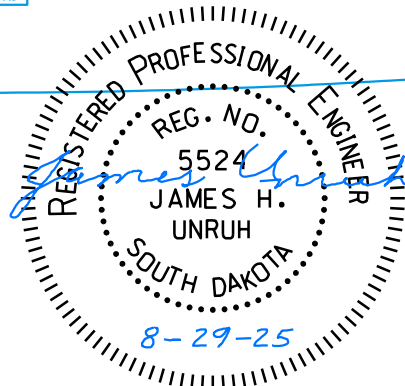
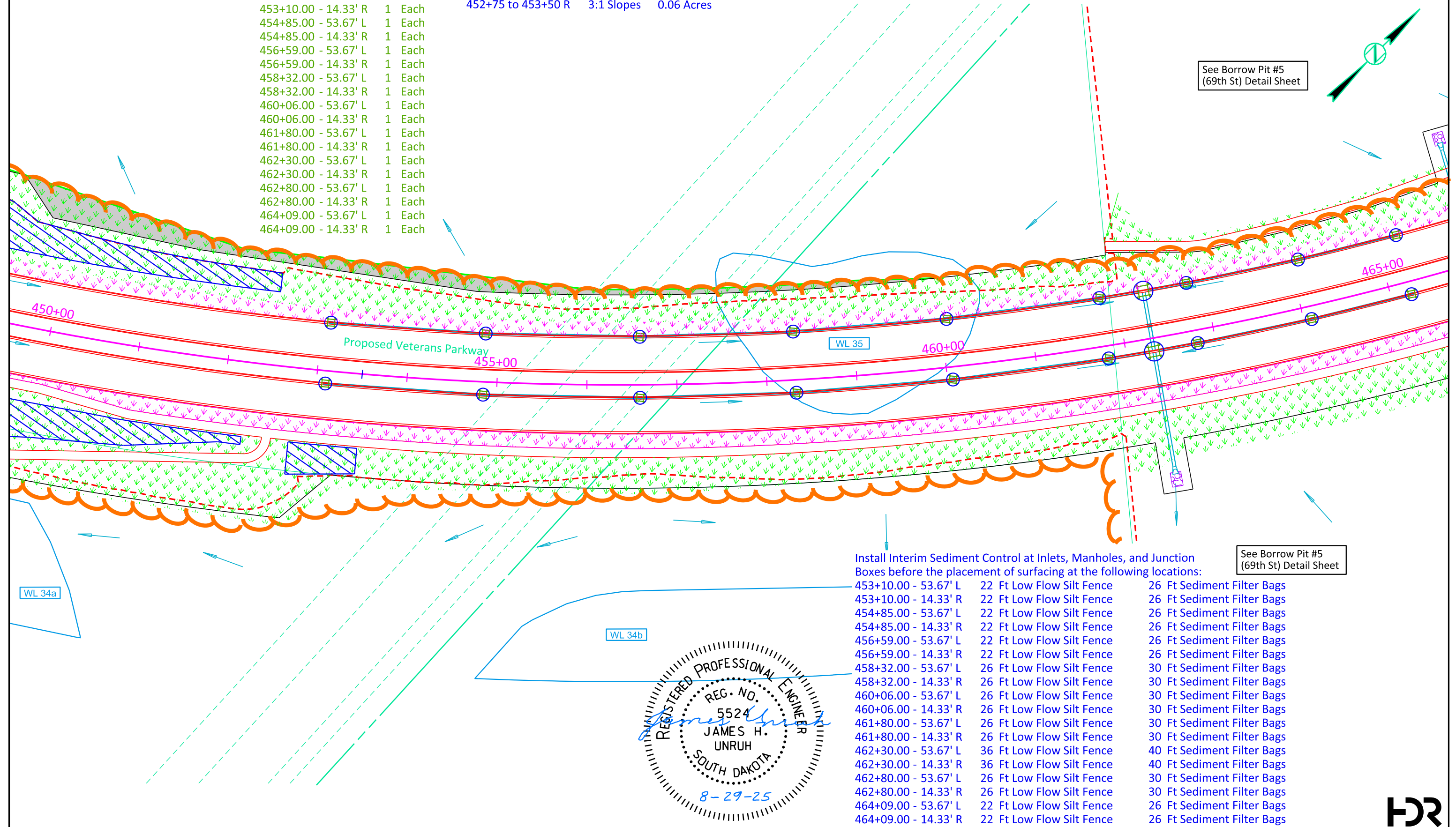
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D20	D46
FILE: ...\\Section D\\D21 (450+00).dgn PLOTING DATE: 08-28-2025		REV DATE: INITIAL:	

Install Sediment Control at
Inlets with Frames and Grates
after the placement of surfacing
at the following locations:

453+10.00 - 53.67' L	1	Each
453+10.00 - 14.33' R	1	Each
454+85.00 - 53.67' L	1	Each
454+85.00 - 14.33' R	1	Each
456+59.00 - 53.67' L	1	Each
456+59.00 - 14.33' R	1	Each
458+32.00 - 53.67' L	1	Each
458+32.00 - 14.33' R	1	Each
460+06.00 - 53.67' L	1	Each
460+06.00 - 14.33' R	1	Each
461+80.00 - 53.67' L	1	Each
461+80.00 - 14.33' R	1	Each
462+30.00 - 53.67' L	1	Each
462+30.00 - 14.33' R	1	Each
462+80.00 - 53.67' L	1	Each
462+80.00 - 14.33' R	1	Each
464+09.00 - 53.67' L	1	Each
464+09.00 - 14.33' R	1	Each

Utilize Surface Roughening at the following location:
452+75 to 453+50 R 3:1 Slopes 0.06 Acres



Install Interim Sediment Control at Inlets, Manholes, and Junction
Boxes before the placement of surfacing at the following locations:

465+23.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
465+23.00 - 14.33' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
466+37.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
466+37.20 - 2.29' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
466+85.34 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
466+85.52 - 7.04' L	22 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
468+15.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
468+15.00 - 9.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
476+13.00 - 65.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
476+13.00 - 53.67' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
477+73.50 - 62.33' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
477+73.50 - 53.67' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
479+34.50 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
479+34.50 - 53.67' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags

VETERANS PARKWAY

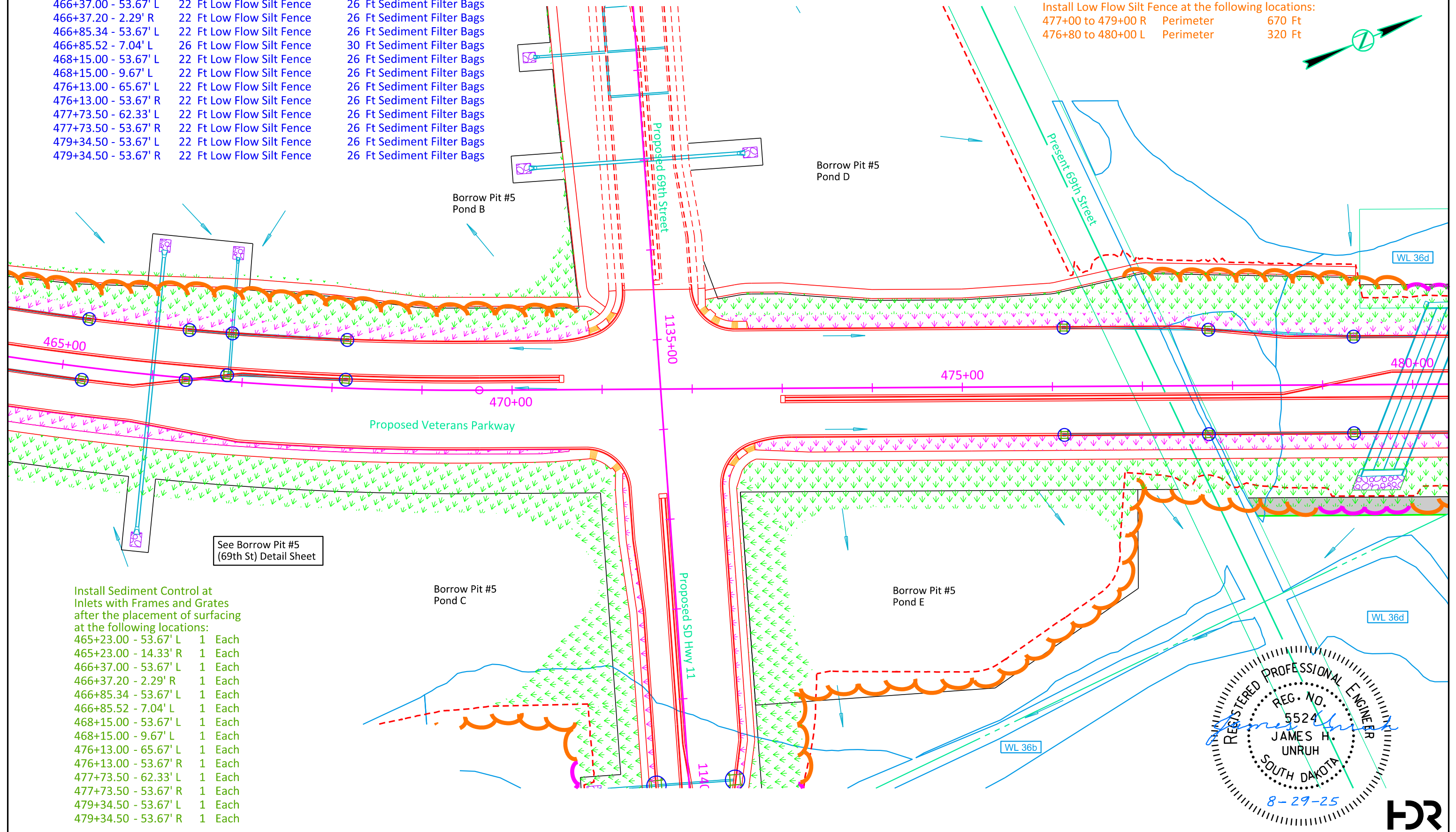
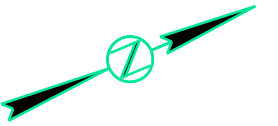
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D21	D46

FILE: ...\\Section D\\D22 (465+00).dgn
PLOTING DATE: 08-28-2025

REV DATE:
INITIAL:

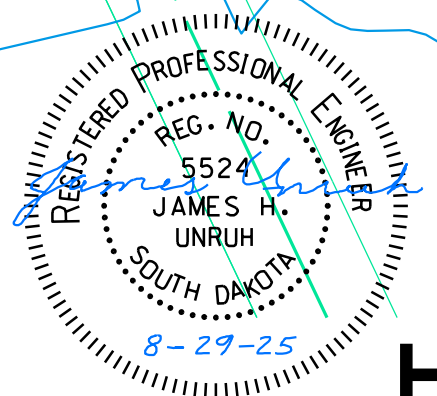
Install Low Flow Silt Fence at the following locations:
477+00 to 479+00 R Perimeter 670 Ft
476+80 to 480+00 L Perimeter 320 Ft



See Borrow Pit #5
(69th St) Detail Sheet

Install Sediment Control at
Inlets with Frames and Grates
after the placement of surfacing
at the following locations:

465+23.00 - 53.67' L	1 Each
465+23.00 - 14.33' R	1 Each
466+37.00 - 53.67' L	1 Each
466+37.20 - 2.29' R	1 Each
466+85.34 - 53.67' L	1 Each
466+85.52 - 7.04' L	1 Each
468+15.00 - 53.67' L	1 Each
468+15.00 - 9.67' L	1 Each
476+13.00 - 65.67' L	1 Each
476+13.00 - 53.67' R	1 Each
477+73.50 - 62.33' L	1 Each
477+73.50 - 53.67' R	1 Each
479+34.50 - 53.67' L	1 Each
479+34.50 - 53.67' R	1 Each



VETERANS PARKWAY

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D22	D46

FILE: ...\\Section D\\D23 (480+00).dgn
PLOTING DATE: 08-28-2025

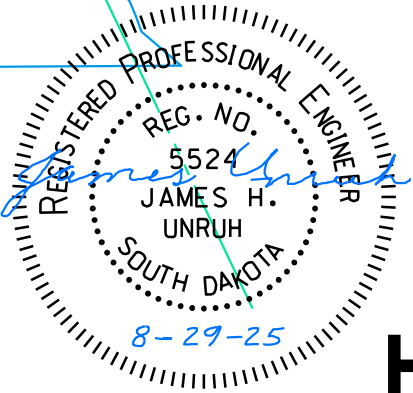
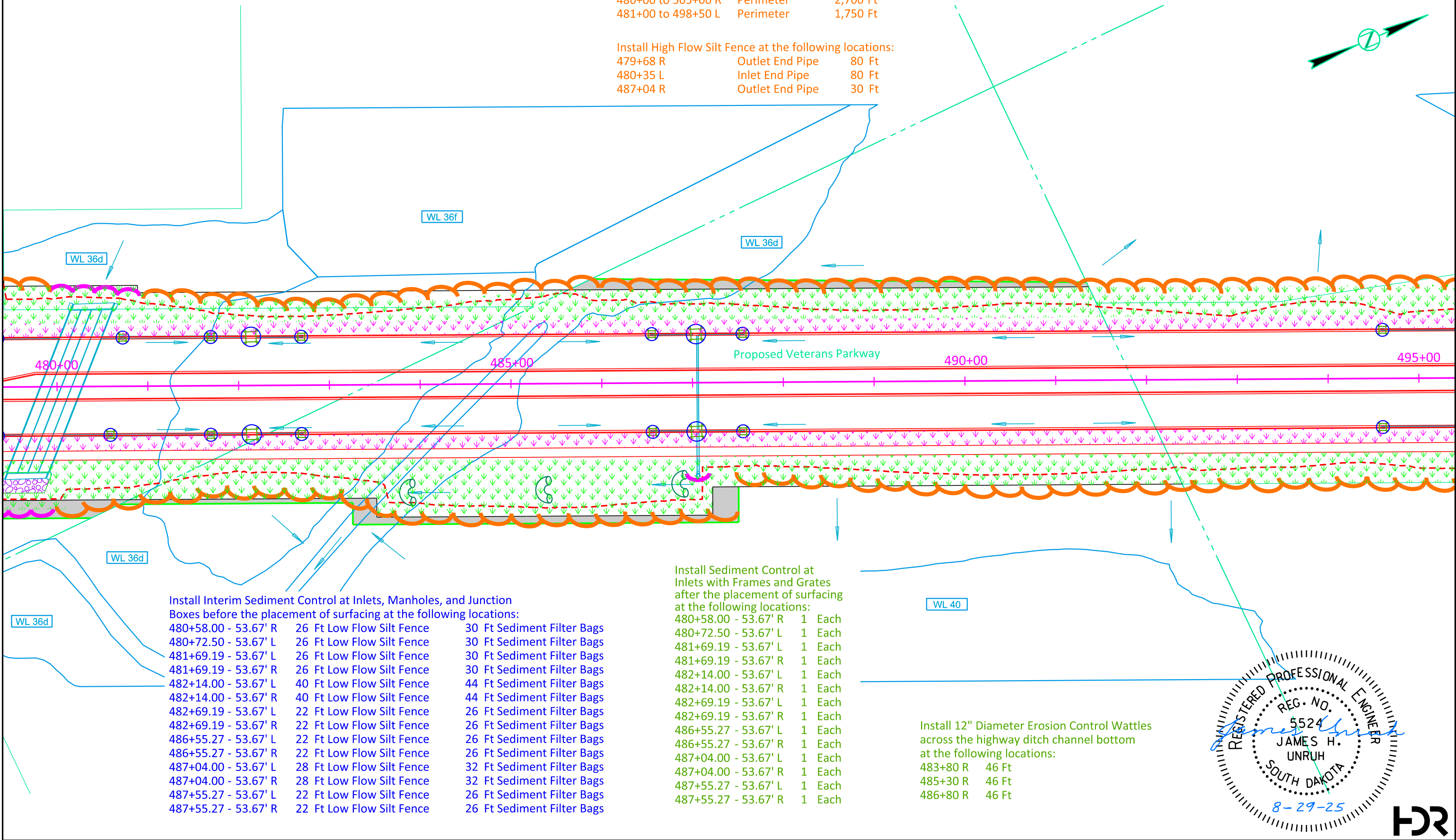
REV DATE:
INITIAL:

Install Low Flow Silt Fence at the following locations:

480+00 to 505+00 R	Perimeter	2,700 Ft
481+00 to 498+50 L	Perimeter	1,750 Ft

Install High Flow Silt Fence at the following locations:

479+68 R	Outlet End Pipe	80 Ft
480+35 L	Inlet End Pipe	80 Ft
487+04 R	Outlet End Pipe	30 Ft



FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D23	D46

FILE: ...\\Section D\\D24 (495+00).dgn
PLOT DATE: 08-28-2025
REV DATE:
INITIAL:

VETERANS PARKWAY

Install Interim Sediment Control at Inlets, Manholes, and Junction

Boxes before the placement of surfacing at the following locations:

494+60.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
494+60.00 - 53.67' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
495+76.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
495+76.00 - 53.67' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
494+24.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
494+24.00 - 14.33' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
497+56.00 - 53.67' L	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
497+56.00 - 14.33' R	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
498+05.66 - 53.67' L	36 Ft Low Flow Silt Fence	40 Ft Sediment Filter Bags
498+05.66 - 14.33' R	36 Ft Low Flow Silt Fence	40 Ft Sediment Filter Bags
498+56.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
498+56.00 - 14.33' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
499+70.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
499+70.00 - 14.33' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
507+30.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
507+30.00 - 14.33' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
508+65.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
508+65.00 - 14.33' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
510+00.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
510+00.00 - 14.33' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags

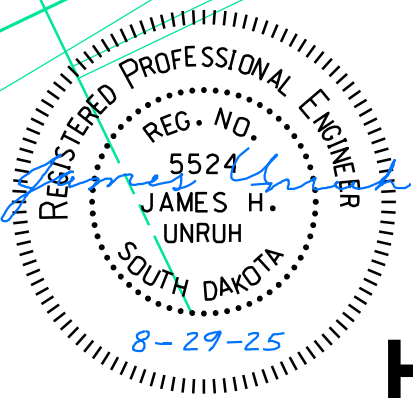
Install Sediment Control at
Inlets with Frames and Grates
after the placement of surfacing
at the following locations:

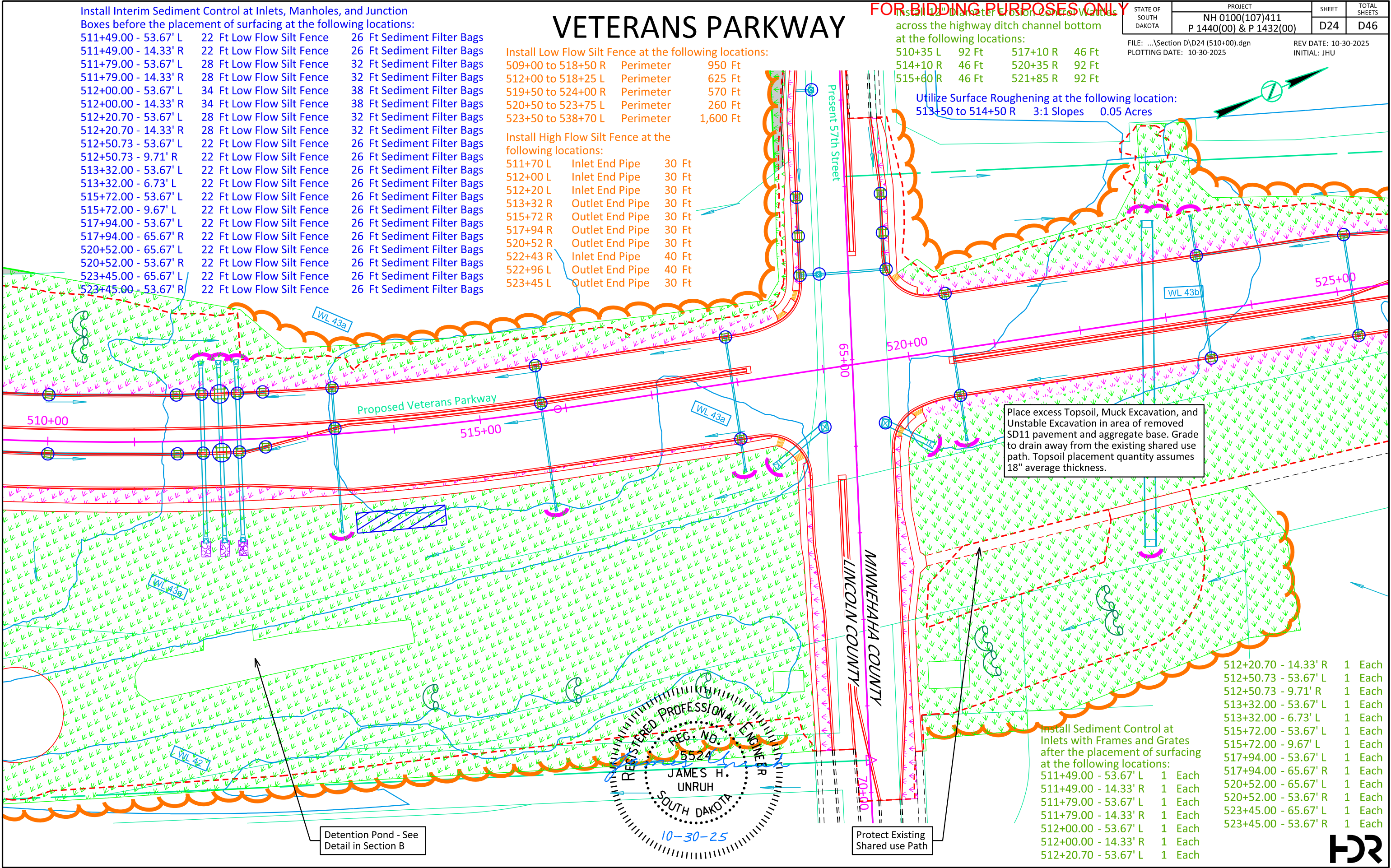
494+60.00 - 53.67' L	1 Each
494+60.00 - 53.67' R	1 Each
495+76.00 - 53.67' L	1 Each
495+76.00 - 53.67' R	1 Each
494+24.00 - 53.67' L	1 Each
494+24.00 - 14.33' R	1 Each
497+56.00 - 53.67' L	1 Each
497+56.00 - 14.33' R	1 Each
498+05.66 - 53.67' L	1 Each
498+05.66 - 14.33' R	1 Each
498+56.00 - 53.67' L	1 Each
498+56.00 - 14.33' R	1 Each
499+70.00 - 53.67' L	1 Each
499+70.00 - 14.33' R	1 Each
507+30.00 - 53.67' L	1 Each
507+30.00 - 14.33' R	1 Each
508+65.00 - 53.67' L	1 Each
508+65.00 - 14.33' R	1 Each
510+00.00 - 53.67' L	1 Each
510+00.00 - 14.33' R	1 Each

Install High Flow Silt Fence at the following locations:
498+05 L Outlet End Pipe 30 Ft
504+70 L Inlet End Pipe 40 Ft

Install 12" Diameter Erosion Control Wattles
across the highway ditch channel bottom
at the following locations:
498+28 L 46 Ft 504+28 L 46 Ft
499+78 L 46 Ft 505+85 L 92 Ft
501+28 L 46 Ft 507+35 L 92 Ft
502+78 L 46 Ft 508+85 L 92 Ft

Utilize Surface Roughening at the following location:
503+50 to 506+50 R 3:1 Slopes 0.22 Acres





FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D25	D46

FILE: ...\\Section D\\D26 (525+00).dgn
PLOT DATE: 08-28-2025

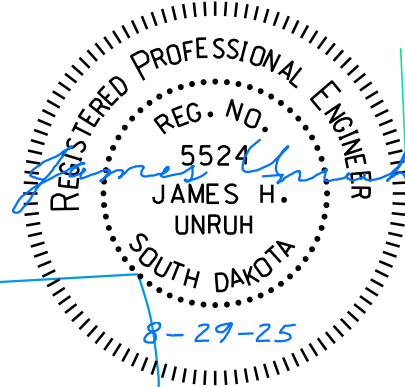
REV DATE:
INITIAL:

Install Interim Sediment Control at Inlets, Manholes, and Junction

Boxes before the placement of surfacing at the following locations:

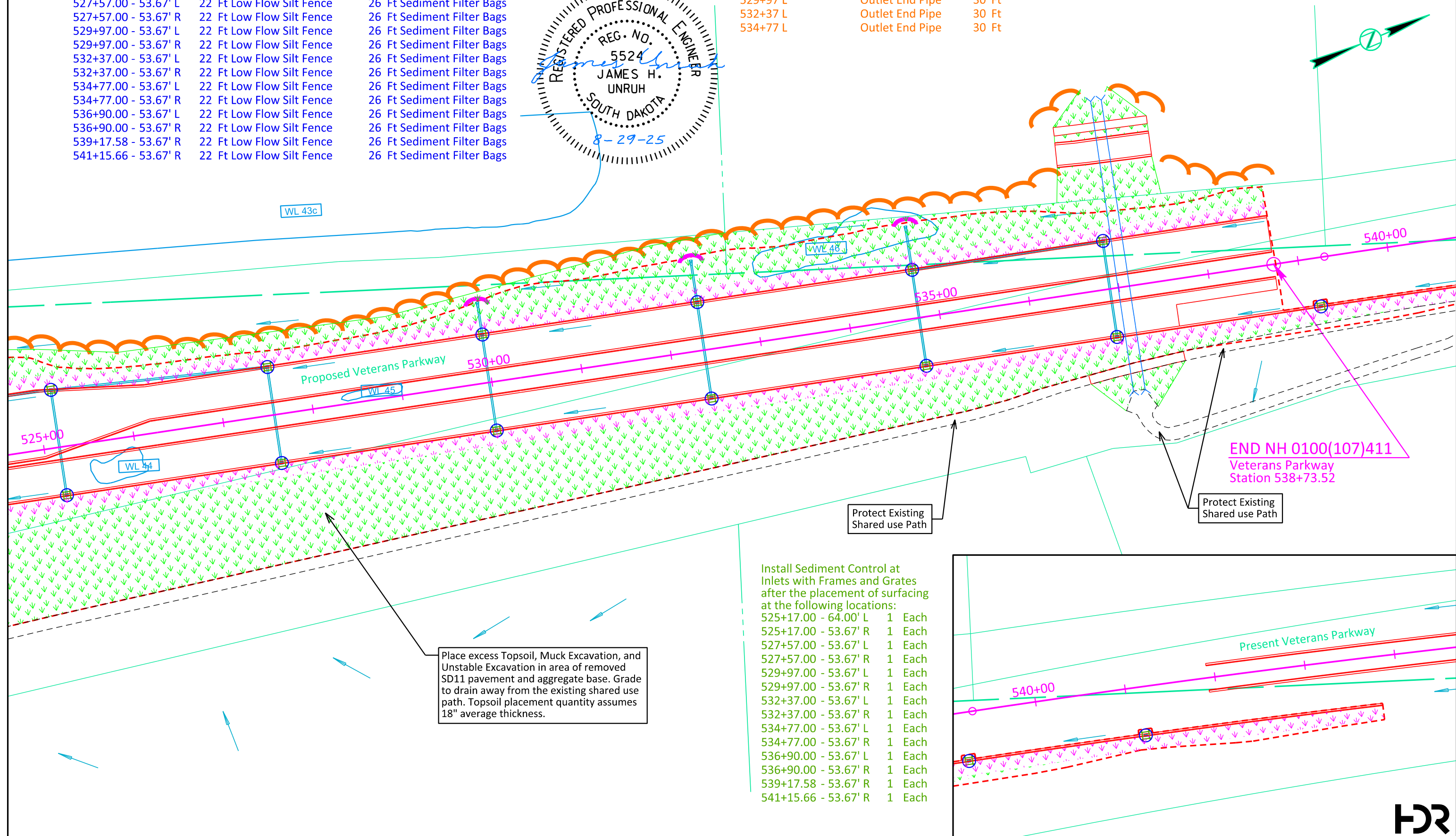
525+17.00 - 64.00' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
525+17.00 - 53.67' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
527+57.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
527+57.00 - 53.67' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
529+97.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
529+97.00 - 53.67' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
532+37.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
532+37.00 - 53.67' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
534+77.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
534+77.00 - 53.67' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
536+90.00 - 53.67' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
536+90.00 - 53.67' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
539+17.58 - 53.67' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
541+15.66 - 53.67' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags

VETERANS PARKWAY



Install High Flow Silt Fence at the following locations:

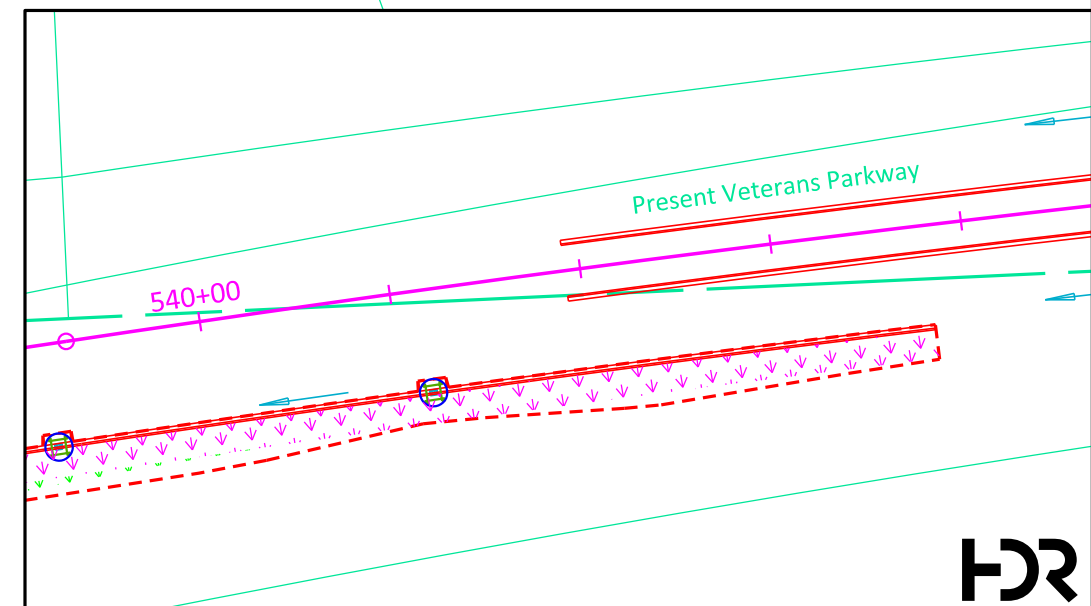
529+97 L	Outlet End Pipe	30 Ft
532+37 L	Outlet End Pipe	30 Ft
534+77 L	Outlet End Pipe	30 Ft



END NH 0100(107)411
Veterans Parkway
Station 538+73.52

Install Sediment Control at
Inlets with Frames and Grates
after the placement of surfacing
at the following locations:

525+17.00 - 64.00' L	1 Each
525+17.00 - 53.67' R	1 Each
527+57.00 - 53.67' L	1 Each
527+57.00 - 53.67' R	1 Each
529+97.00 - 53.67' L	1 Each
529+97.00 - 53.67' R	1 Each
532+37.00 - 53.67' L	1 Each
532+37.00 - 53.67' R	1 Each
534+77.00 - 53.67' L	1 Each
534+77.00 - 53.67' R	1 Each
536+90.00 - 53.67' L	1 Each
536+90.00 - 53.67' R	1 Each
539+17.58 - 53.67' R	1 Each
541+15.66 - 53.67' R	1 Each



69TH STREET

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1441(00) & P 1432(00)		
		D26	D46

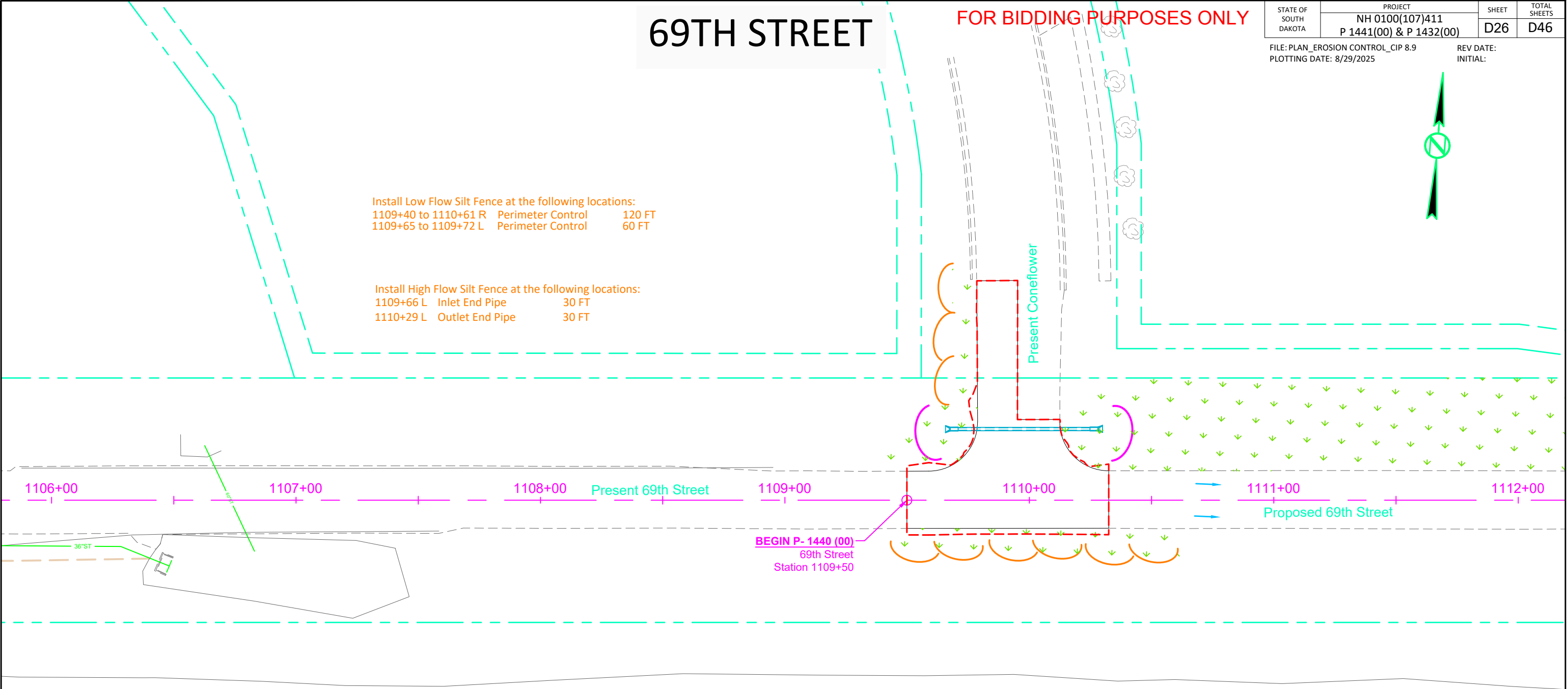
FILE: PLAN_EROSION CONTROL_CIP 8.9
PLOT DATE: 8/29/2025

REV DATE:
INITIAL:



Install Low Flow Silt Fence at the following locations:
1109+40 to 1110+61 R Perimeter Control 120 FT
1109+65 to 1109+72 L Perimeter Control 60 FT

Install High Flow Silt Fence at the following locations:
1109+66 L Inlet End Pipe 30 FT
1110+29 L Outlet End Pipe 30 FT



69TH STREET

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1441(00) & P 1432(00)	D27	D46

FILE: PLAN_EROSION CONTROL_CIP 8.9
PLOTING DATE: 8/29/2025

REV DATE:
INITIAL:

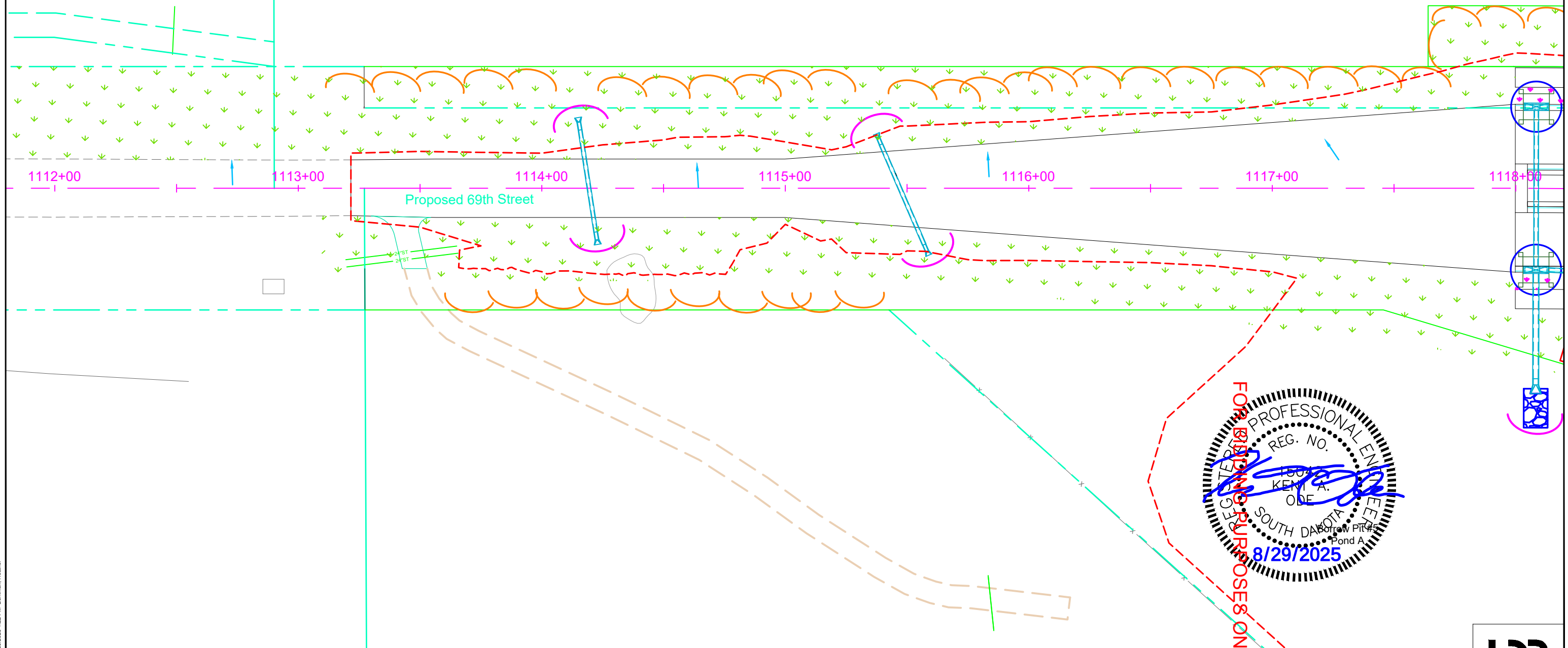


Install High Flow Silt Fence at the following locations:

1114+16 L	Inlet End Pipe	30 FT
1114+22 R	Outlet End Pipe	30 FT
1115+38 L	Inlet End Pipe	30 FT
1115+55 R	Outlet End Pipe	30 FT

Install Low Flow Silt Fence at the following locations:

1113+09 to 1124+16 L Perimeter Control 1170 FT
1113+60 to 1115+42 R Perimeter Control 180 FT



FOR BIDDING PURPOSES ONLY



C:\pwworking\central01\4975227\Plan_Erosion Control_CIP 8.9.dwg
PLOT DATE: 8/29/2025 1:22 PM Burkman, Heather



69TH STREET

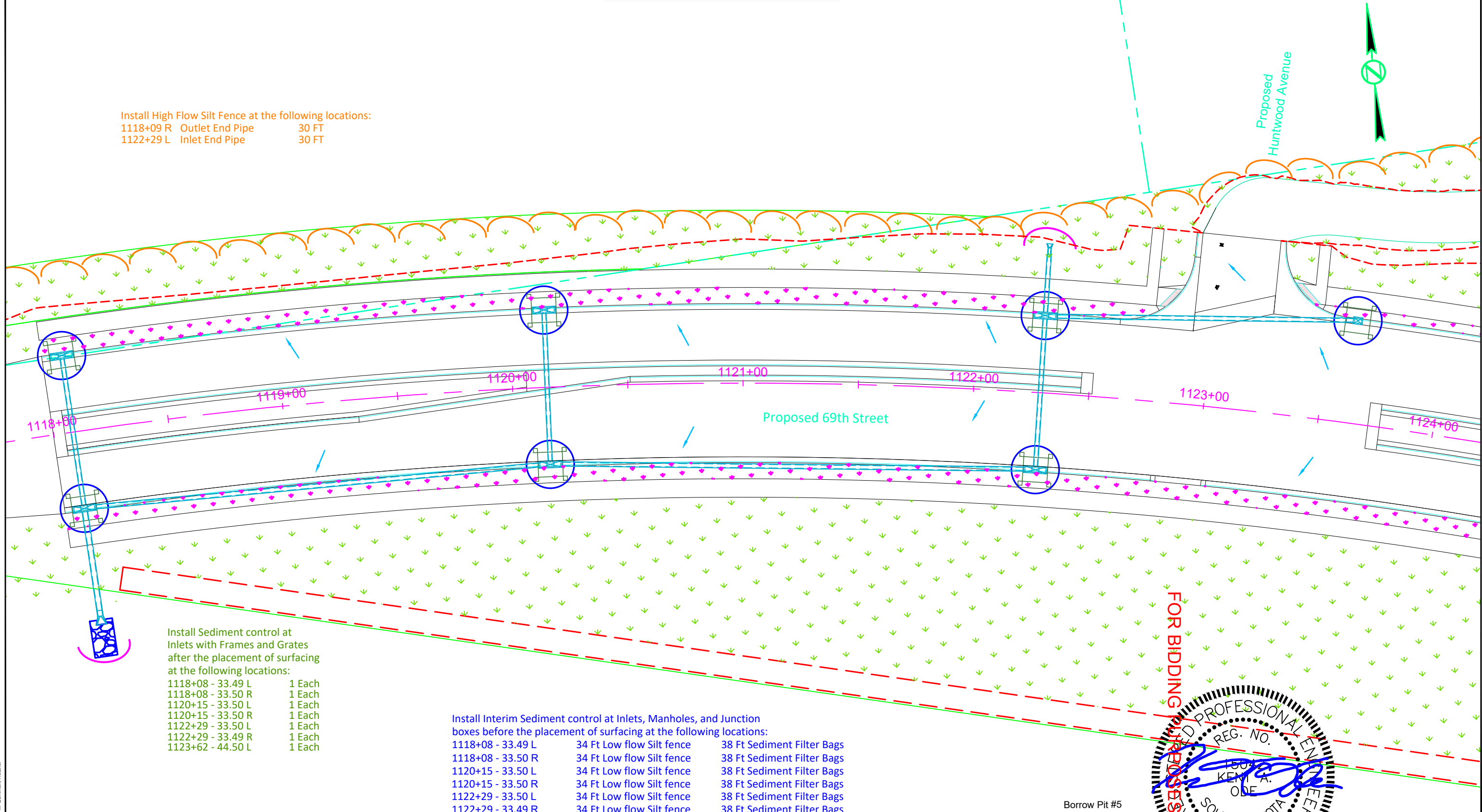
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1441(00) & P 1432(00)	D28	D46

FILE: PLAN_EROSION CONTROL_CIP 8.9
PLOT DATE: 8/29/2025

REV DATE:
INITIAL:

Install High Flow Silt Fence at the following locations:
1118+09 R Outlet End Pipe 30 FT
1122+29 L Inlet End Pipe 30 FT



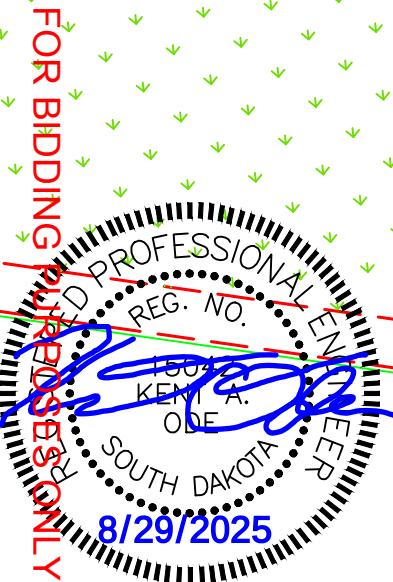
Install Sediment control at
Inlets with Frames and Grates
after the placement of surfacing
at the following locations:

1118+08 - 33.49 L	1 Each
1118+08 - 33.50 R	1 Each
1120+15 - 33.50 L	1 Each
1120+15 - 33.50 R	1 Each
1122+29 - 33.50 L	1 Each
1122+29 - 33.49 R	1 Each
1123+62 - 44.50 L	1 Each

Install Interim Sediment control at Inlets, Manholes, and Junction
boxes before the placement of surfacing at the following locations:

1118+08 - 33.49 L	34 Ft Low flow Silt fence	38 Ft Sediment Filter Bags
1118+08 - 33.50 R	34 Ft Low flow Silt fence	38 Ft Sediment Filter Bags
1120+15 - 33.50 L	34 Ft Low flow Silt fence	38 Ft Sediment Filter Bags
1120+15 - 33.50 R	34 Ft Low flow Silt fence	38 Ft Sediment Filter Bags
1122+29 - 33.50 L	34 Ft Low flow Silt fence	38 Ft Sediment Filter Bags
1122+29 - 33.49 R	34 Ft Low flow Silt fence	38 Ft Sediment Filter Bags
1123+62 - 44.50 L	22 Ft Low flow Silt fence	26 Ft Sediment Filter Bags

Borrow Pit #5
Pond A



69TH STREET

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1441(00) & P 1432(00)	D29	D46

FILE: PLAN_EROSION CONTROL_CIP 8.9
PLOTTING DATE: 10/1/2025
REV DATE: INITIAL:

Install High Flow Silt Fence at the following locations:
1126+77 L Outlet End Pipe 30 FT
1125+81 L Inlet End Pipe 30 FT

Install High Flow Silt Fence at the following locations:
1129+64 L Outlet End Pipe 30 FT
1130+28 L Inlet End Pipe 30 FT

Install Low Flow Silt Fence at the following locations:
1124+22 to 1127+61 L Perimeter Control 342 FT

Proposed
Huntwood Avenue

Present 69th Street

Proposed 69th Street

Proposed Veterans Parkway

Borrow Pit #5
Pond A

Borrow Pit #5
Pond D

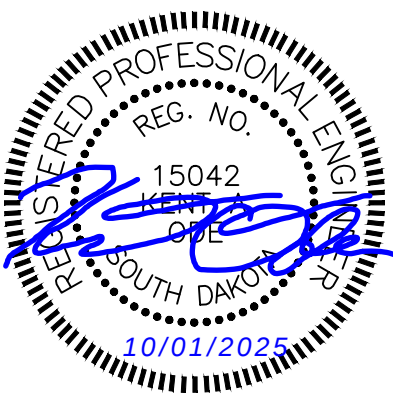
Borrow Pit #5
Pond D

Borrow Pit #5
Pond B

Borrow Pit #5
Pond B

75' WAPA
Power Line
Easement
100' Xcel
Gas Line
Easement

1135+00
END P 1440 (00)
69th Street
Station 1134+44



69TH STREET

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1441(00) & P 1432(00)		
		D30	D46

FILE: PLAN_EROSION CONTROL_CIP 8.9
PLOT DATE: 8/29/2025

REV DATE:
INITIAL:

Install Sediment control at
Inlets with Frames and Grates
after the placement of surfacing
at the following locations:

1131+26 - 33.50 L	1 Each
1131+26 - 33.50 R	1 Each
1132+29 - 33.50 L	1 Each
1132+29 - 33.50 R	1 Each

Install High Flow Silt Fence at the following locations:

1131+77 R	Outlet End Pipe	30 FT
1133+00 L	End Pipe	30 FT
1133+00 R	End Pipe	30 FT

Borrow Pit #5
Pond D

Proposed 69th Street

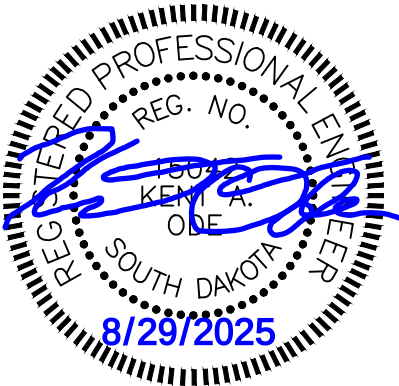
END P 1440 (00)
69th Street
Station 1134+44

Install Interim Sediment control at Inlets, Manholes, and Junction
boxes before the placement of surfacing at the following locations:

1131+26 - 33.50 L	26 Ft Low flow Silt fence	30 Ft Sediment Filter Bags
1131+26 - 33.50 R	26 Ft Low flow Silt fence	30 Ft Sediment Filter Bags
1131+77 - 36.50 L	42 Ft Low flow Silt fence	46 Ft Sediment Filter Bags
1131+77 - 36.50 R	42 Ft Low flow Silt fence	46 Ft Sediment Filter Bags
1132+29 - 33.50 L	26 Ft Low flow Silt fence	30 Ft Sediment Filter Bags
1132+29 - 33.50 R	26 Ft Low flow Silt fence	30 Ft Sediment Filter Bags

Borrow Pit #5
Pond B

Proposed Veterans Parkway



SD HWY 11

FOR BIDDING PURPOSES ONLY

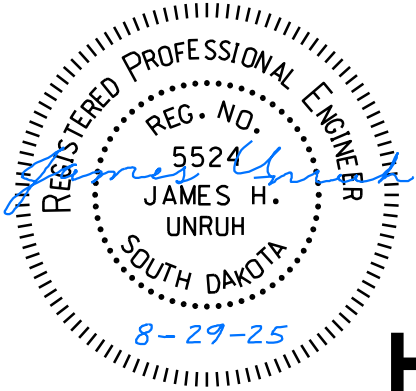
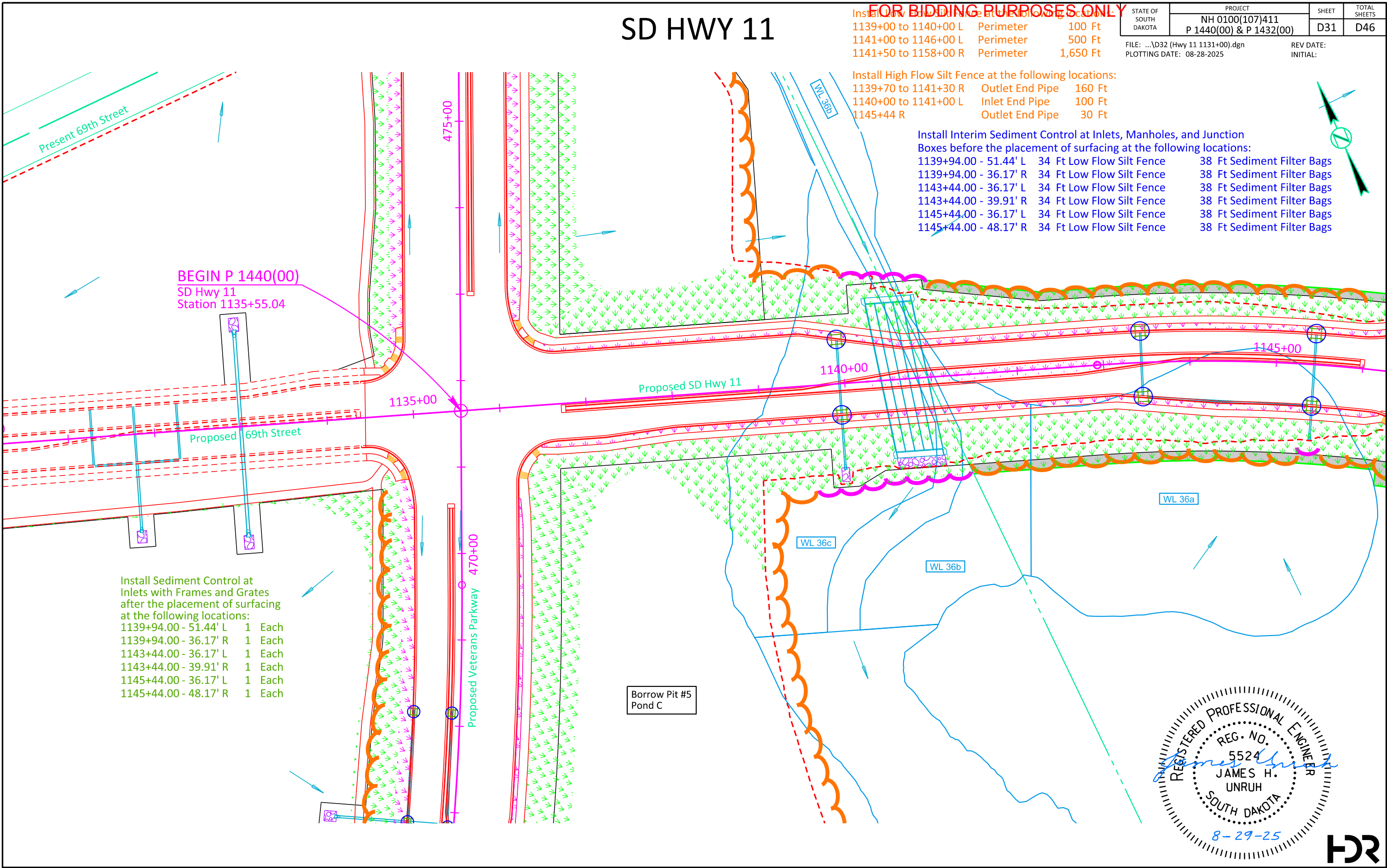
1139+00 to 1140+00 L	Perimeter	100 Ft
1141+00 to 1146+00 L	Perimeter	500 Ft
1141+50 to 1158+00 R	Perimeter	1,650 Ft

Install High Flow Silt Fence at the following locations:		
1139+70 to 1141+30 R	Outlet End Pipe	160 Ft
1140+00 to 1141+00 L	Inlet End Pipe	100 Ft
1145+44 R	Outlet End Pipe	30 Ft

Install Interim Sediment Control at Inlets, Manholes, and Junction Boxes before the placement of surfacing at the following locations:			
1139+94.00 - 51.44' L	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags	
1139+94.00 - 36.17' R	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags	
1143+44.00 - 36.17' L	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags	
1143+44.00 - 39.91' R	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags	
1145+44.00 - 36.17' L	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags	
1145+44.00 - 48.17' R	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags	

Install Sediment Control at Inlets with Frames and Grates after the placement of surfacing at the following locations:		
1139+94.00 - 51.44' L	1 Each	
1139+94.00 - 36.17' R	1 Each	
1143+44.00 - 36.17' L	1 Each	
1143+44.00 - 39.91' R	1 Each	
1145+44.00 - 36.17' L	1 Each	
1145+44.00 - 48.17' R	1 Each	

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D31	D46
FILE: ...\\D32 (Hwy 11 1131+00).dgn		REV DATE: INITIAL:	
PLOT DATE: 08-28-2025			



SD HIGHWAY 11

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D32	D46

FILE: ...\\D33 (Hwy 11t 1146+00).dgn
PLOTING DATE: 08-28-2025

REV DATE:
INITIAL:

Install Low Flow Silt Fence at the following locations:

1147+75 to 1151+25 L	Perimeter	400 Ft
1151+25 to 1152+50 L	Perimeter	300 Ft
1156+50 to 1166+50 L	Perimeter	1,050 Ft

Install High Flow Silt Fence at the following locations:

1147+94 L	Outlet End Pipe	30 Ft
1150+44 L	Outlet End Pipe	30 Ft
1153+70 R	Outlet End Pipe	30 Ft
1156+95 L	Outlet End Pipe	30 Ft

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

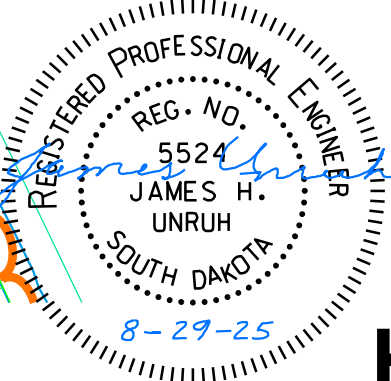
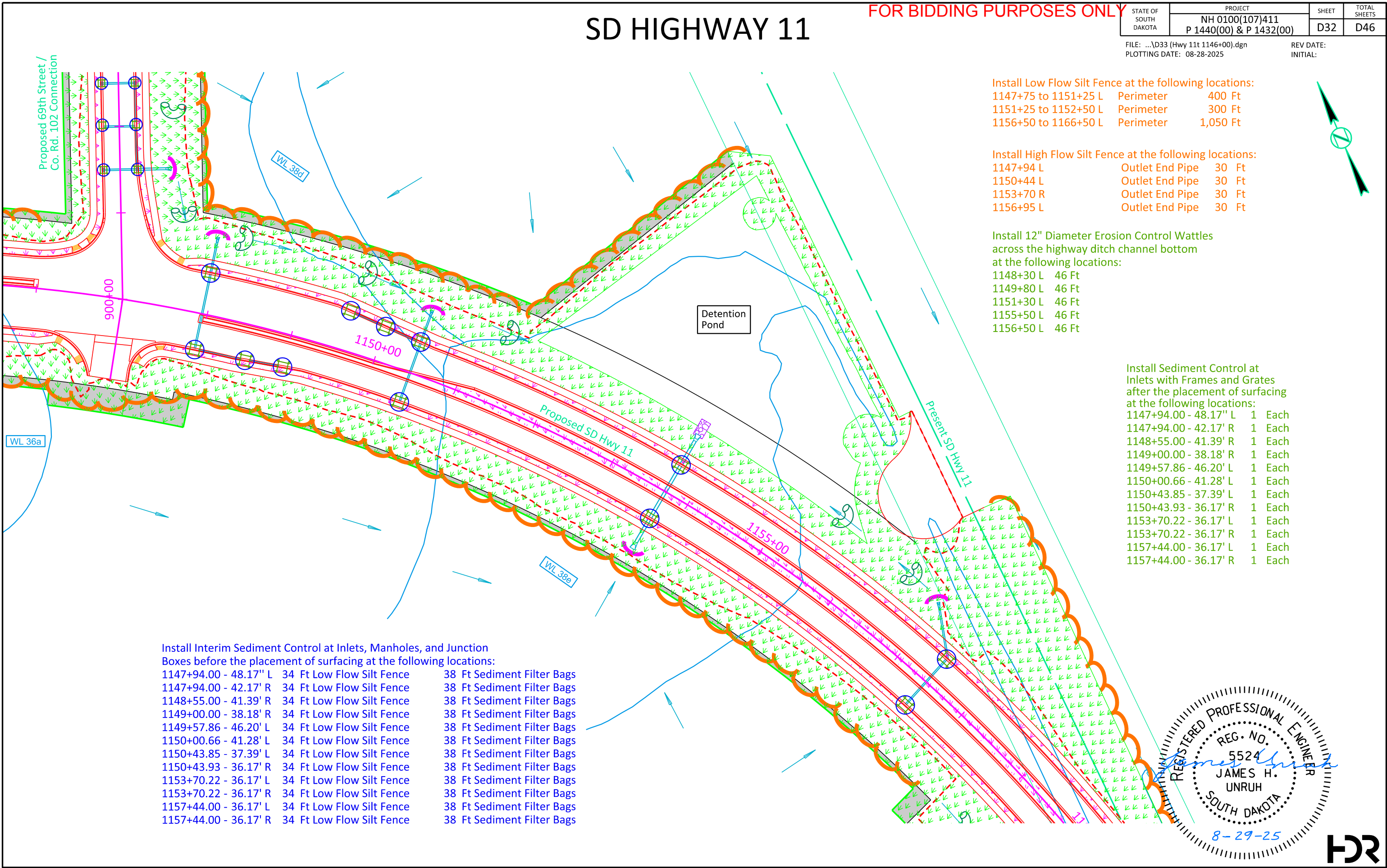
1148+30 L	46 Ft
1149+80 L	46 Ft
1151+30 L	46 Ft
1155+50 L	46 Ft
1156+50 L	46 Ft

Install Sediment Control at
Inlets with Frames and Grates
after the placement of surfacing
at the following locations:

1147+94.00 - 48.17" L	1	Each
1147+94.00 - 42.17' R	1	Each
1148+55.00 - 41.39' R	1	Each
1149+00.00 - 38.18' R	1	Each
1149+57.86 - 46.20' L	1	Each
1150+00.66 - 41.28' L	1	Each
1150+43.85 - 37.39' L	1	Each
1150+43.93 - 36.17' R	1	Each
1153+70.22 - 36.17' L	1	Each
1153+70.22 - 36.17' R	1	Each
1157+44.00 - 36.17' L	1	Each
1157+44.00 - 36.17' R	1	Each

Install Interim Sediment Control at Inlets, Manholes, and Junction
Boxes before the placement of surfacing at the following locations:

1147+94.00 - 48.17" L	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1147+94.00 - 42.17' R	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1148+55.00 - 41.39' R	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1149+00.00 - 38.18' R	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1149+57.86 - 46.20' L	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1150+00.66 - 41.28' L	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1150+43.85 - 37.39' L	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1150+43.93 - 36.17' R	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1153+70.22 - 36.17' L	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1153+70.22 - 36.17' R	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1157+44.00 - 36.17' L	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1157+44.00 - 36.17' R	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags



SD HIGHWAY 11

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D33	D46

FILE: ...\\D34 (Hwy 11 1152+00).dgn
PLOTING DATE: 08-28-2025

REV DATE:
INITIAL:

Install Interim Sediment Control at Inlets, Manholes, and Junction
Boxes before the placement of surfacing at the following locations:

1160+94.00 - 36.17" L	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1160+94.00 - 36.17' R	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1164+36.50 - 39.67' L	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1164+36.50 - 39.67' R	34 Ft Low Flow Silt Fence	38 Ft Sediment Filter Bags
1166+58.00 - 7.66' R	28 Ft Low Flow Silt Fence	32 Ft Sediment Filter Bags
1167+55.00 - 38.61' L	40 Ft Low Flow Silt Fence	44 Ft Sediment Filter Bags
1167+55.00 - 38.61' R	40 Ft Low Flow Silt Fence	44 Ft Sediment Filter Bags

Install Sediment Control at
Inlets with Frames and Grates
after the placement of surfacing
at the following locations:

1160+94.00 - 36.17" L	1 Each
1160+94.00 - 36.17' R	1 Each
1164+36.50 - 39.67' L	1 Each
1164+36.50 - 39.67' R	1 Each
1166+58.00 - 7.66' R	1 Each
1167+55.00 - 38.61' L	1 Each
1167+55.00 - 38.61' R	1 Each

Install Low Flow Silt Fence at the following locations:

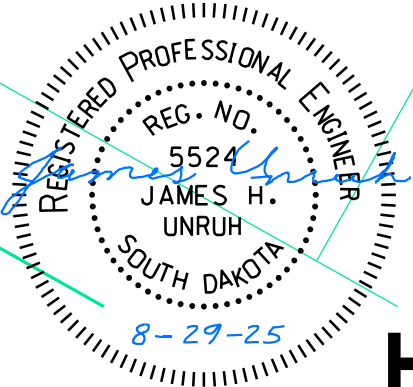
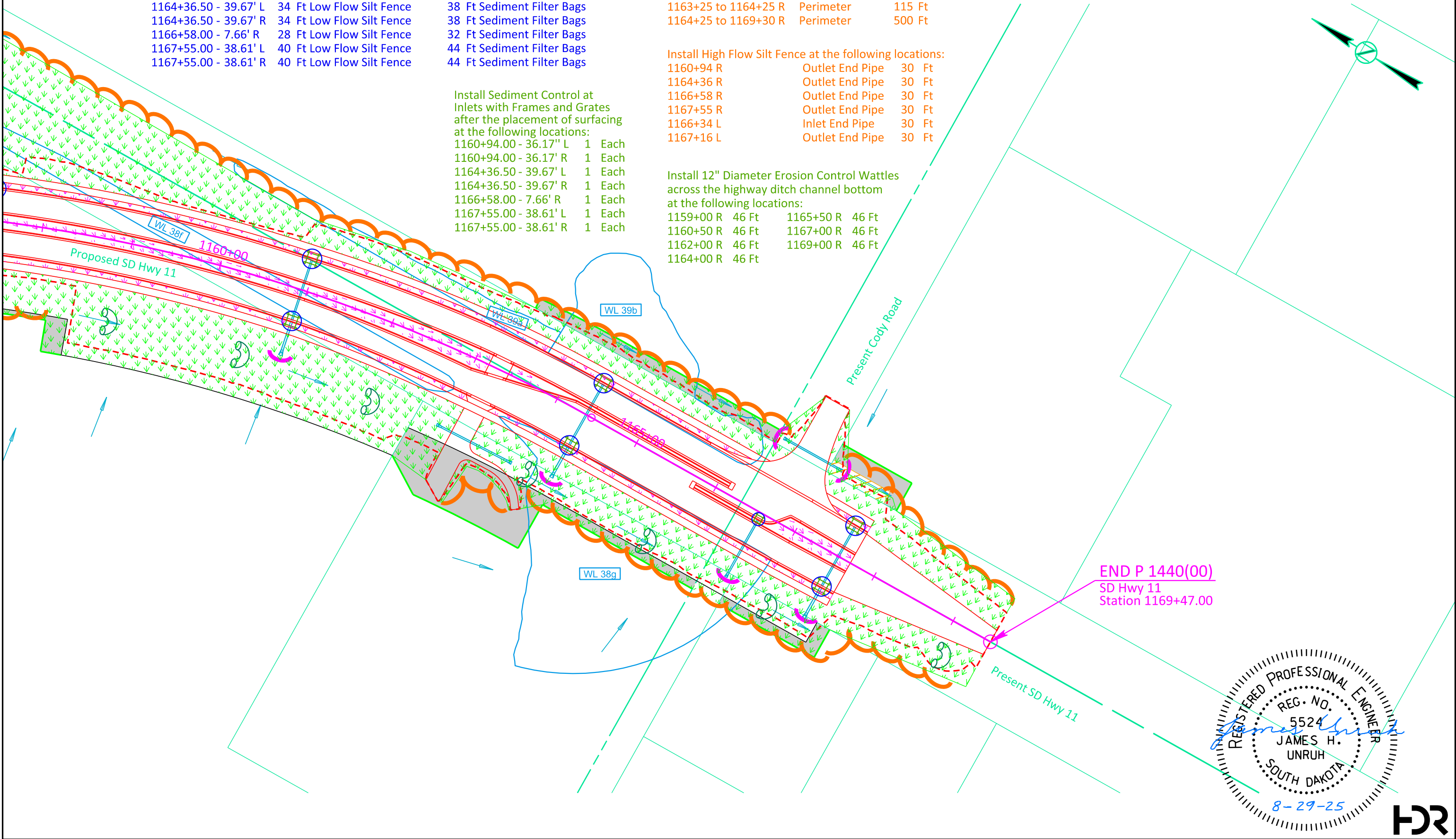
1163+25 to 1164+25 R	Perimeter	115 Ft
1164+25 to 1169+30 R	Perimeter	500 Ft

Install High Flow Silt Fence at the following locations:

1160+94 R	Outlet End Pipe	30 Ft
1164+36 R	Outlet End Pipe	30 Ft
1166+58 R	Outlet End Pipe	30 Ft
1167+55 R	Outlet End Pipe	30 Ft
1166+34 L	Inlet End Pipe	30 Ft
1167+16 L	Outlet End Pipe	30 Ft

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

1159+00 R	46 Ft	1165+50 R	46 Ft
1160+50 R	46 Ft	1167+00 R	46 Ft
1162+00 R	46 Ft	1169+00 R	46 Ft
1164+00 R	46 Ft		



69TH STREET / CO. ROAD 102 CONNECTION

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D34	D46

FILE: ...\\Section D\\D34 (Co Rd 102).dgn
PLOT DATE: 05-28-2026
REV DATE: 04-24-2026
INITIAL: JHU

Install Sediment Control at
Inlets with Frames and Grates
after the placement of surfacing
at the following locations:

901+50.00 - 19.50' L	1	Each
901+50.00 - 20.27' R	1	Each
902+01.67 - 19.50' L	1	Each
902+01.67 - 19.50' R	1	Each
902+50.00 - 19.50' L	1	Each
902+50.00 - 19.50' R	1	Each
908+21.46 - 19.50' L	1	Each
908+21.46 - 19.50' R	1	Each
908+73.10 - 19.50' L	1	Each
908+73.18 - 19.50' R	1	Each
909+21.48 - 19.50' L	1	Each
909+21.48 - 19.50' R	1	Each

Install Interim Sediment Control at Inlets, Manholes, and Junction
Boxes before the placement of surfacing at the following locations:

901+50.00 - 19.50' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
901+50.00 - 20.27' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
902+01.67 - 19.50' L	28 Ft Low Flow Silt Fence	32 Ft Sediment Filter Bags
902+01.67 - 19.50' R	28 Ft Low Flow Silt Fence	32 Ft Sediment Filter Bags
902+50.00 - 19.50' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
902+50.00 - 19.50' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
908+21.46 - 19.50' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
908+21.46 - 19.50' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
908+73.10 - 19.50' L	28 Ft Low Flow Silt Fence	32 Ft Sediment Filter Bags
908+73.18 - 19.50' R	28 Ft Low Flow Silt Fence	32 Ft Sediment Filter Bags
909+00.00 - 24.00' R	33 Ft Low Flow Silt Fence	37 Ft Sediment Filter Bags
909+21.48 - 19.50' L	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags
909+21.48 - 19.50' R	22 Ft Low Flow Silt Fence	26 Ft Sediment Filter Bags

Install Low Flow Silt Fence at the following locations:

901+00 to 908+50 R	Perimeter	750 Ft
904+50 to 908+50 L	Perimeter	400 Ft
909+25 to 909+75 L	Perimeter	125 Ft
909+25 to 912+00 R	Perimeter	250 Ft
910+00 to 912+30 L	Perimeter	250 Ft

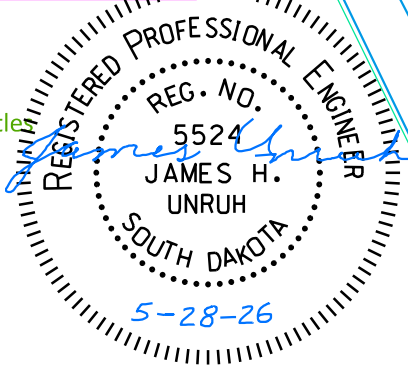
Install High Flow Silt Fence at the following locations:

901+50 R	Outlet End Pipe	30 Ft
908+66 to 909+16 L	Inlet End Pipe	50 Ft
908+66 to 909+16 R	Outlet End Pipe	50 Ft

Install 12" Diameter Erosion Control Wattle
across the highway ditch channel bottom
at the following location:

901+00 R	46 Ft
902+15 R	46 Ft
903+65 R	46 Ft
905+15 R	46 Ft
906+85 R	46 Ft
908+35 R	46 Ft

End 69th Street /
Co. Road 102
Station 913+48.91



57TH STREET

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D35	D46

FILE: ...\\D36 (57th St 55+00).dgn
PLOTING DATE: 08-28-2025

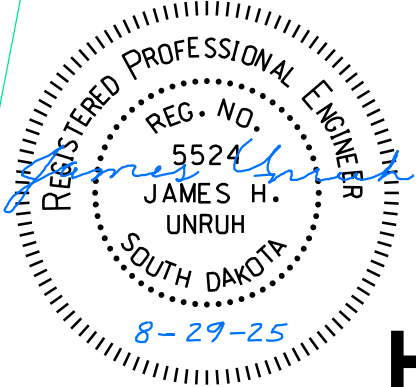
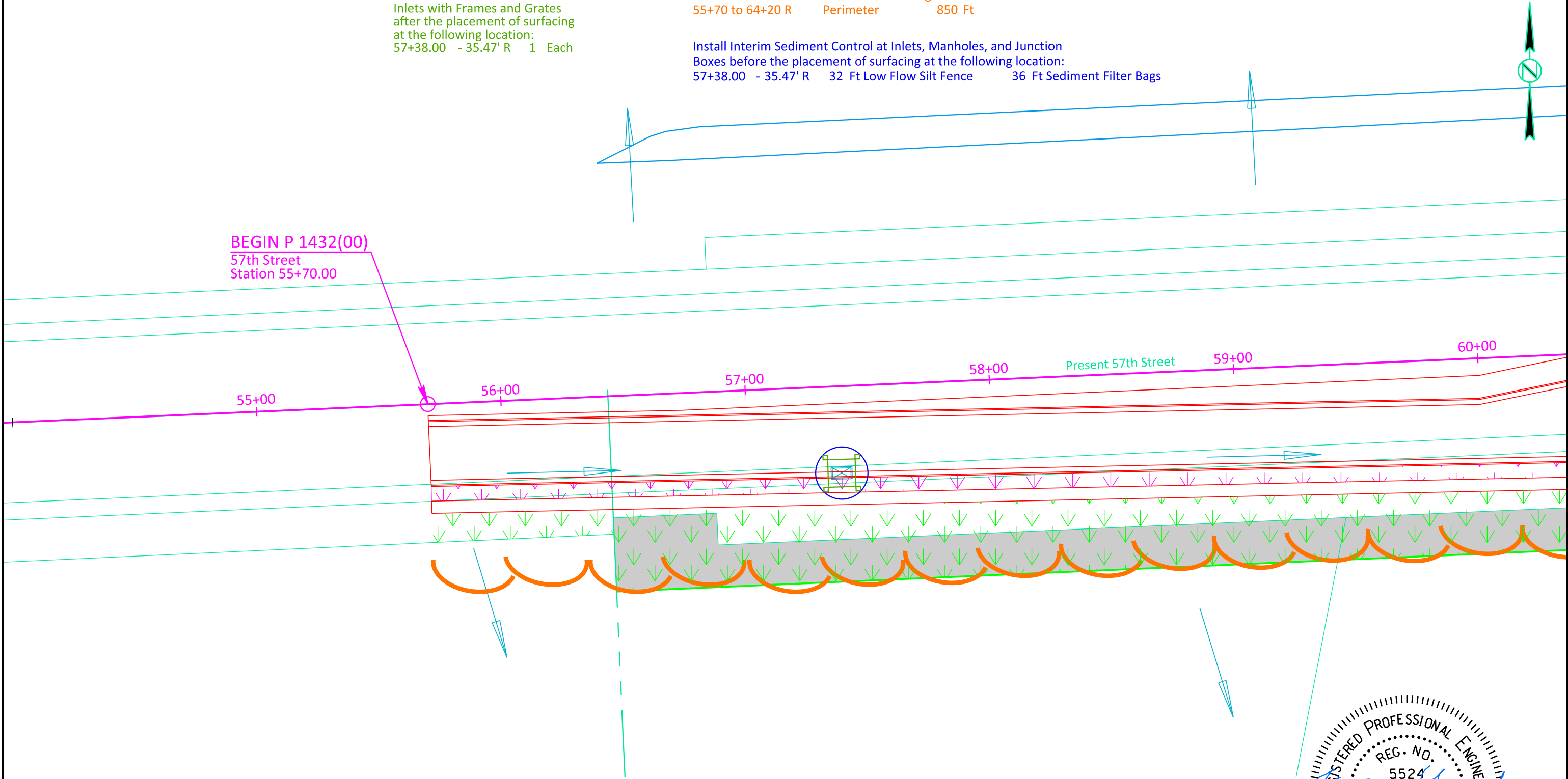
REV DATE:
INITIAL:

Install Sediment Control at
Inlets with Frames and Grates
after the placement of surfacing
at the following location:
57+38.00 - 35.47' R 1 Each

Install Low Flow Silt Fence at the following locations:
55+70 to 64+20 R Perimeter 850 Ft

Install Interim Sediment Control at Inlets, Manholes, and Junction
Boxes before the placement of surfacing at the following location:
57+38.00 - 35.47' R 32 Ft Low Flow Silt Fence 36 Ft Sediment Filter Bags

BEGIN P 1432(00)
57th Street
Station 55+70.00



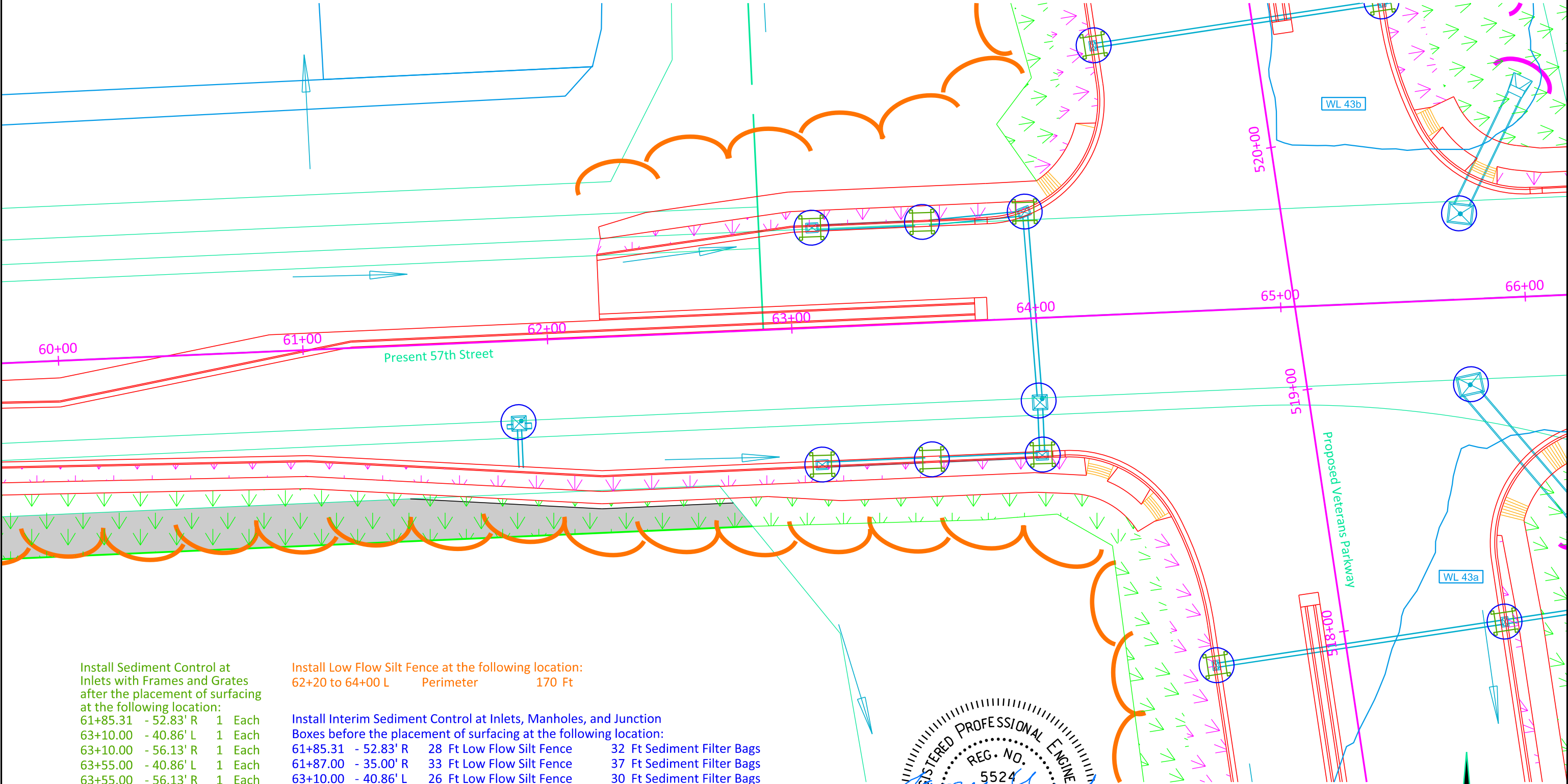
57TH STREET

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D36	D46

FILE: ...\\D37 (57th St 60+00).dgn
PLOTING DATE: 08-28-2025

REV DATE:
INITIAL:



Install Sediment Control at
Inlets with Frames and Grates
after the placement of surfacing
at the following location:

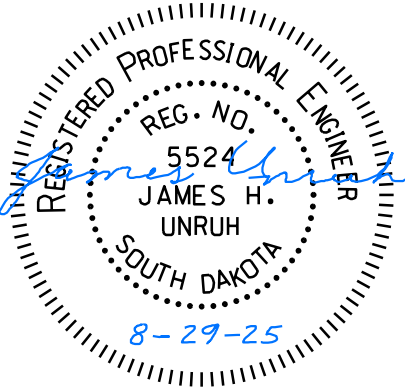
61+85.31	- 52.83' R	1	Each
63+10.00	- 40.86' L	1	Each
63+10.00	- 56.13' R	1	Each
63+55.00	- 40.86' L	1	Each
63+55.00	- 56.13' R	1	Each
63+96.85	- 43.48' L	1	Each
64+00.00	- 46.13' R	1	Each

Install Low Flow Silt Fence at the following location:

62+20 to 64+00 L	Perimeter	170 Ft
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Install Interim Sediment Control at Inlets, Manholes, and Junction
Boxes before the placement of surfacing at the following location:

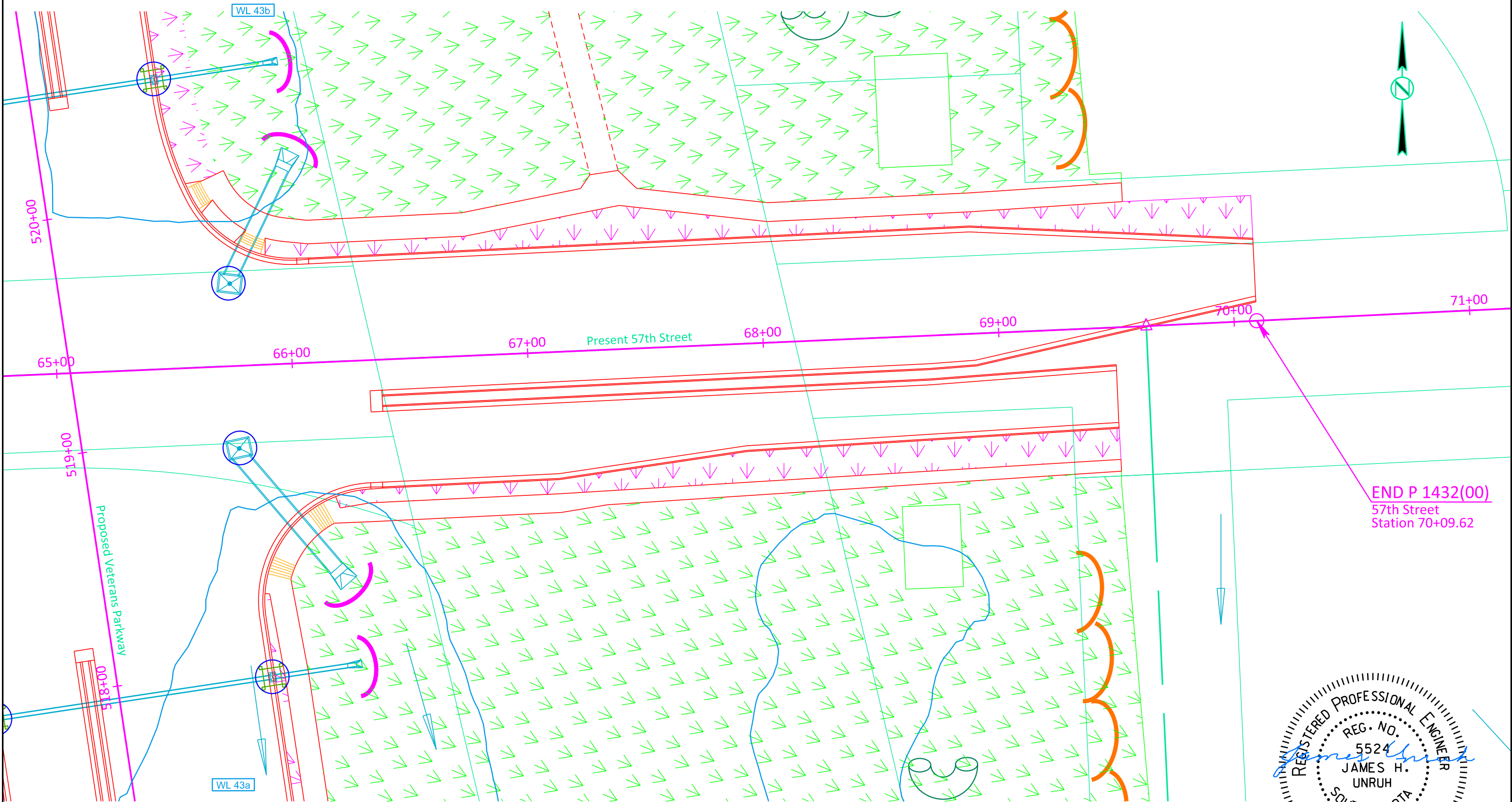
61+85.31	- 52.83' R	28 Ft Low Flow Silt Fence	32 Ft Sediment Filter Bags
61+87.00	- 35.00' R	33 Ft Low Flow Silt Fence	37 Ft Sediment Filter Bags
63+10.00	- 40.86' L	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
63+10.00	- 56.13' R	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
63+55.00	- 40.86' L	30 Ft Low Flow Silt Fence	34 Ft Sediment Filter Bags
63+55.00	- 56.13' R	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
63+96.85	- 43.48' L	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags
64+00.00	- 35.00' R	30 Ft Low Flow Silt Fence	34 Ft Sediment Filter Bags
64+00.00	- 46.13' R	26 Ft Low Flow Silt Fence	30 Ft Sediment Filter Bags



57TH STREET

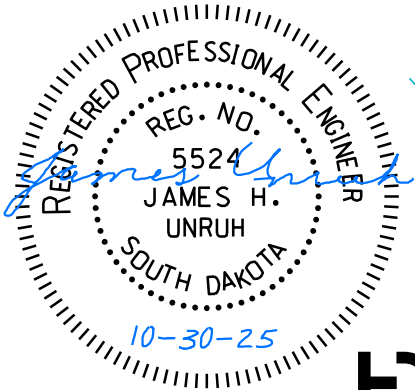
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D37	D46
FILE: ...\\D37 (57th St 66+00).dgn PLOTING DATE: 10-30-2025		REV DATE: 10-30-2025 INITIAL: JHU	



Install Interim Sediment Control at Inlets, Manholes, and Junction
Boxes before the placement of surfacing at the following locations:
65+75.00 - 35.00' L 40 Ft Low Flow Silt Fence 44 Ft Sediment Filter Bags
65+76.00 - 35.00' R 40 Ft Low Flow Silt Fence 44 Ft Sediment Filter Bagss

Install High Flow Silt Fence at the following location:
66+06 L Outlet End Pipe 30 Ft
66+20 R Outlet End Pipe 30 Ft



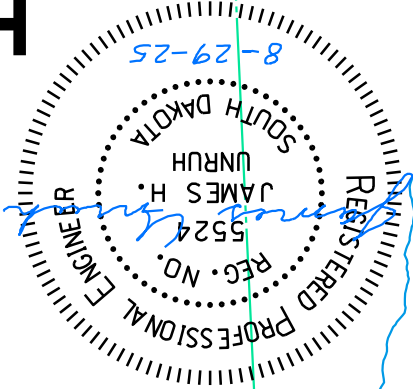
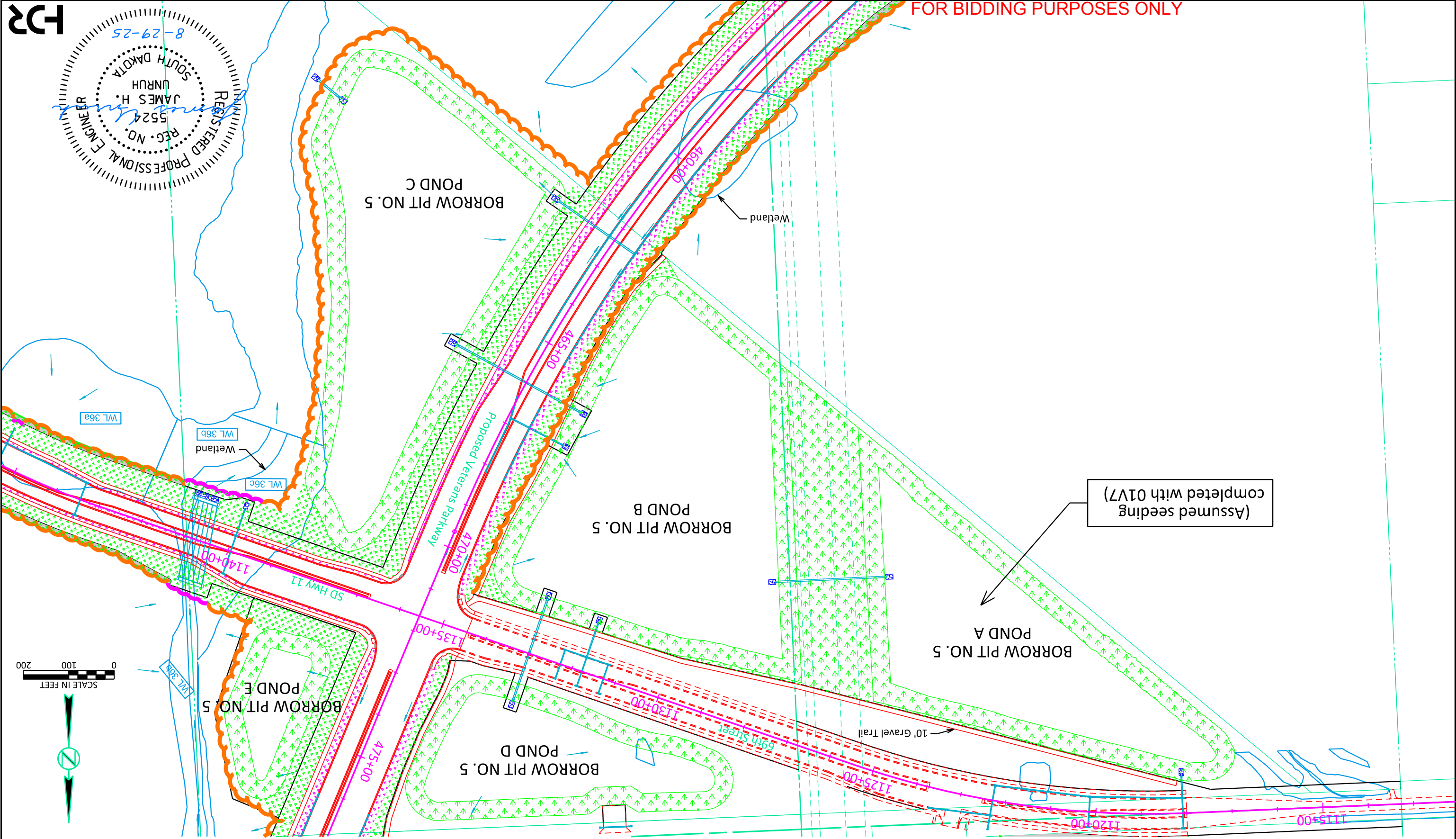
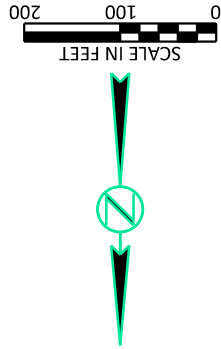
See tables in Section D notes for Silt Fence
and Grass Seed locations and quantities.

BORROW PIT #5 (69TH ST)

STATE OF SOUTH DAKOTA		PROJECT
NH 0100(107)411		
P 1440(00) & P 1432(00)		
D38	SHEET	
D46	TOTAL SHEETS	

FILE: ...D39 (Borrow Pit 5).dgn
PLOTTING DATE: 08-28-2025

REV DATE:
INITIAL:



HC2

BORROW PIT #8 (JAMISON)

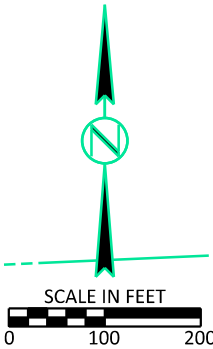
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D39	D46

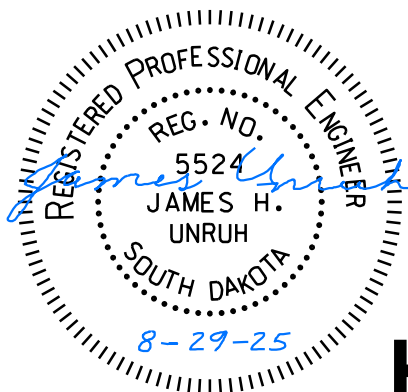
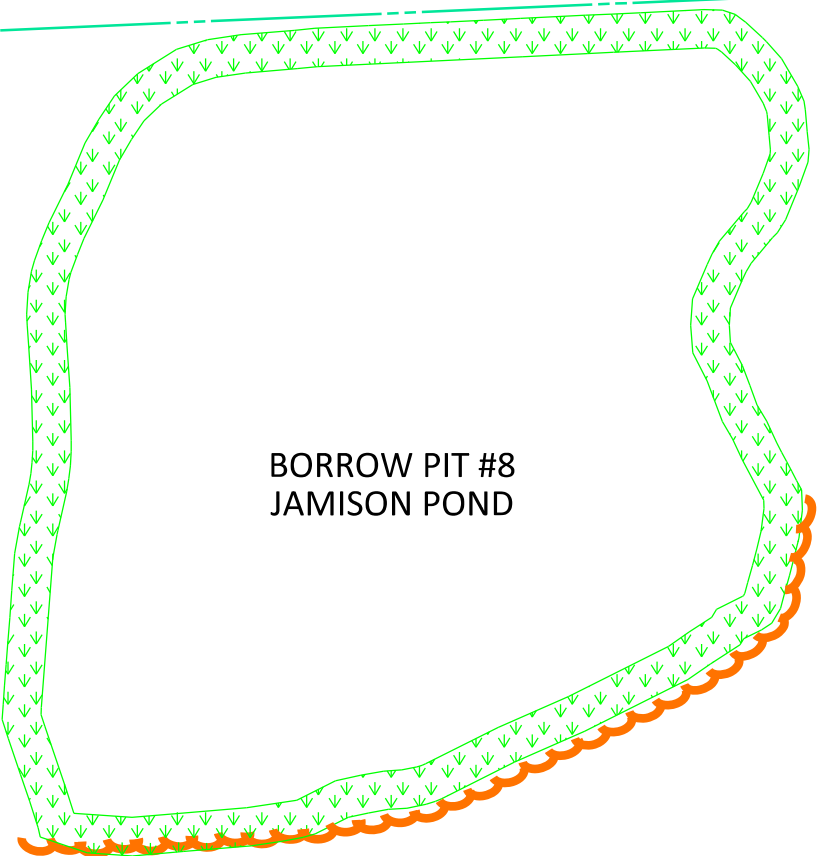
FILE: ...\\D40 (Jamison Pit).dgn
PLOTING DATE: 08-28-2025

REV DATE:
INITIAL:

See tables in Section D notes for Silt Fence
and Grass Seed locations and quantities.



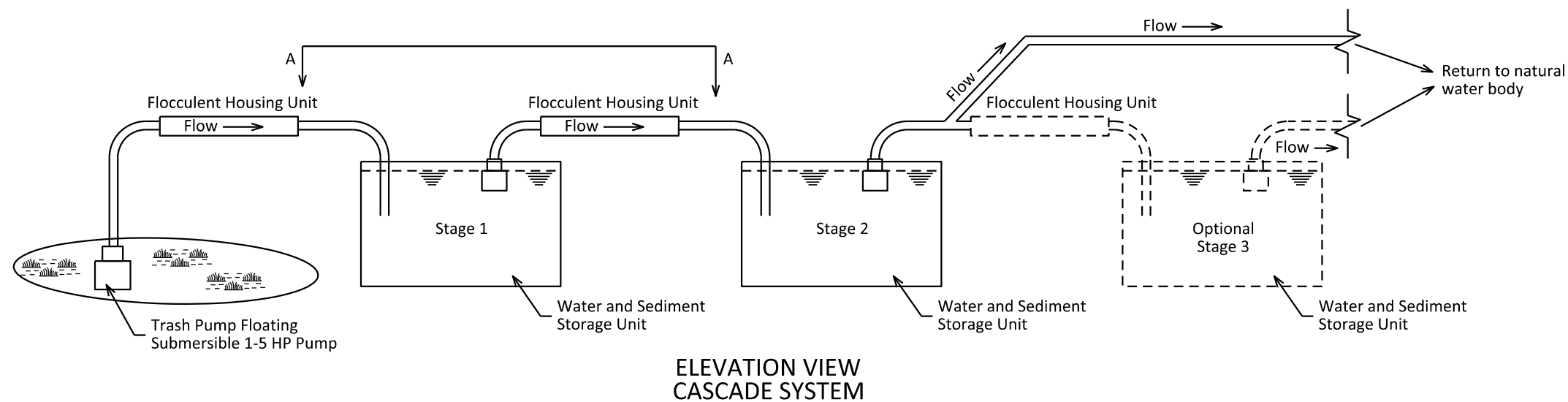
- NOTES:
- 1. The City of Sioux Falls will utilize this site as a borrow pit prior to 01VA construction.
 - 2. Seeding quantity assumes 40' wide strip on borrow pit slopes.
 - 3. Final area of topsoil and seeding will be determined by the Engineer.



DEWATERING AND SEDIMENT COLLECTION SYSTEM

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D40	D46
FILE: ...\\D41 (Dewatering Detail).dgn PLOTING DATE: 08-28-2025		REV DATE: INITIAL:	



GENERAL NOTES:

The purpose of the dewatering and sediment collection system is to collect turbid storm water on the project and treat it with a flocculent. The sediment would then settle in the storage units and the clear water would then be discharged into the storm sewer, lake, stream, vegetated ditch, or other Engineer approved site. Clear water for this project is defined as having a maximum of 30 mg/L of suspended solids. The clear water discharged shall have a ph between 6.1 and 8.5, with a ph of 7.0 preferred.

The drawing of the cascade system is for conceptual purposes only: however, the cascade system shall at a minimum incorporate the use of 2 flocculent housing units and 2 water and sediment storage units.

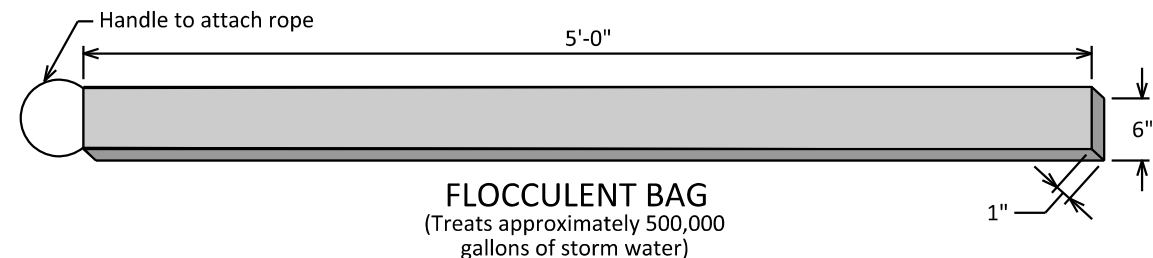
Design and construction of the water and sediment storage units are project site specific and shall be the Contractor's responsibility. A water and sediment storage unit may consist of a storage bin lined with plastic, the bed of a dump truck lined with plastic, a sediment basin, or another Engineer approved unit.

The 500,000 gallon treatment flocculent bag shall be a BIOSTAR™ CH product or approved equal. Information concerning the product may be found on the Internet and the following location: <http://www.biostar-ch.com>

All costs for the dewatering and sediment collection system including disposing of sediment collected in the water and sediment storage units, pumping, furnishing and using the water and sediment collection units, labor, materials, and incidentals necessary for the dewatering and sediment collection system shall be incidental to the contract unit price per hour for "Dewatering". Measurement shall be based on the number of hours pumping occurs for the dewatering and sediment collection system.

All costs for furnishing the 500,000 gallon treatment flocculent bag shall be incidental to the contract unit price per each for "500 K Gallon Treatment Flocculent Bag".

All costs for furnishing the flocculent housing unit including all labor, materials, and incidentals shall be incidental to the contract unit price per each for "Flocculent Housing Unit".



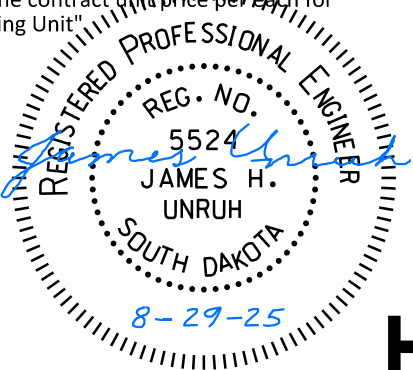
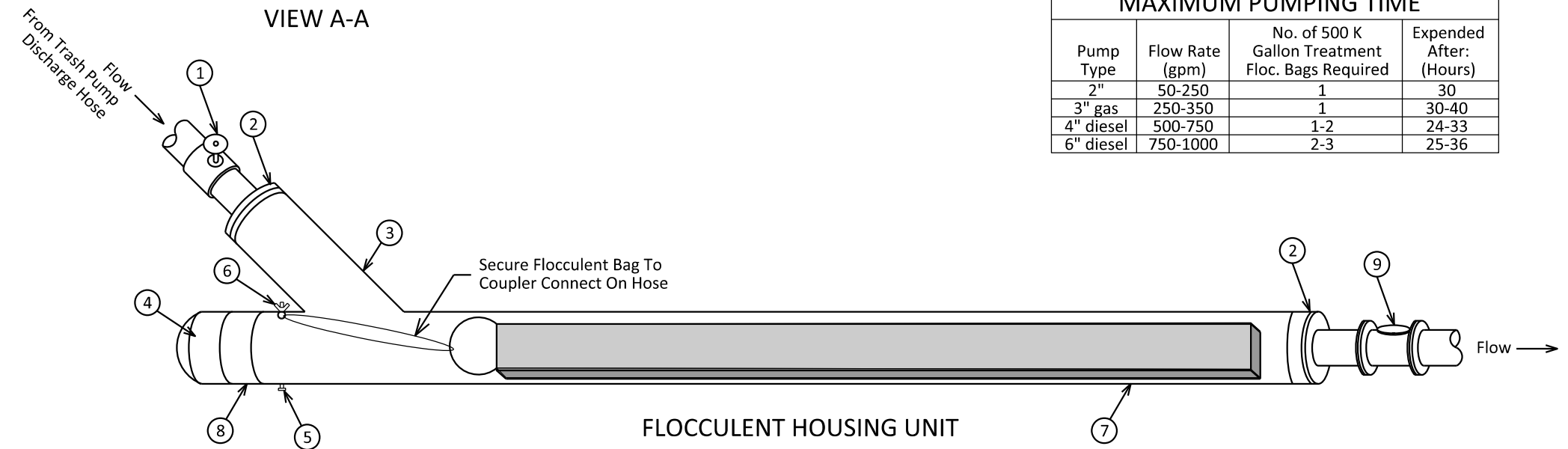
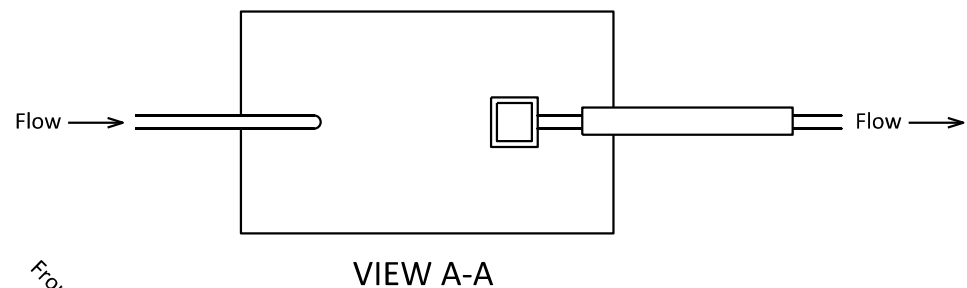
FLOCCULENT HOUSING UNIT

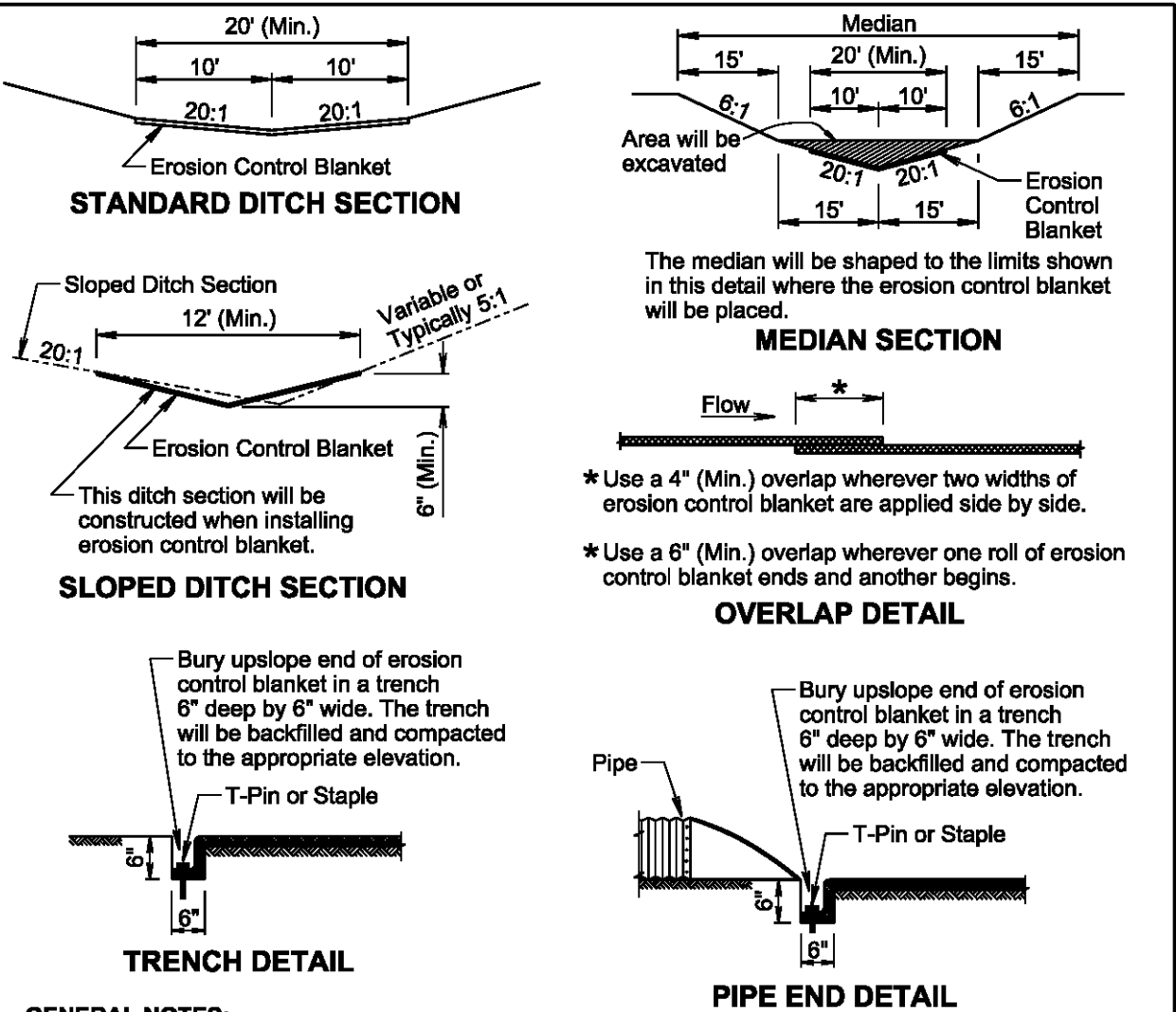
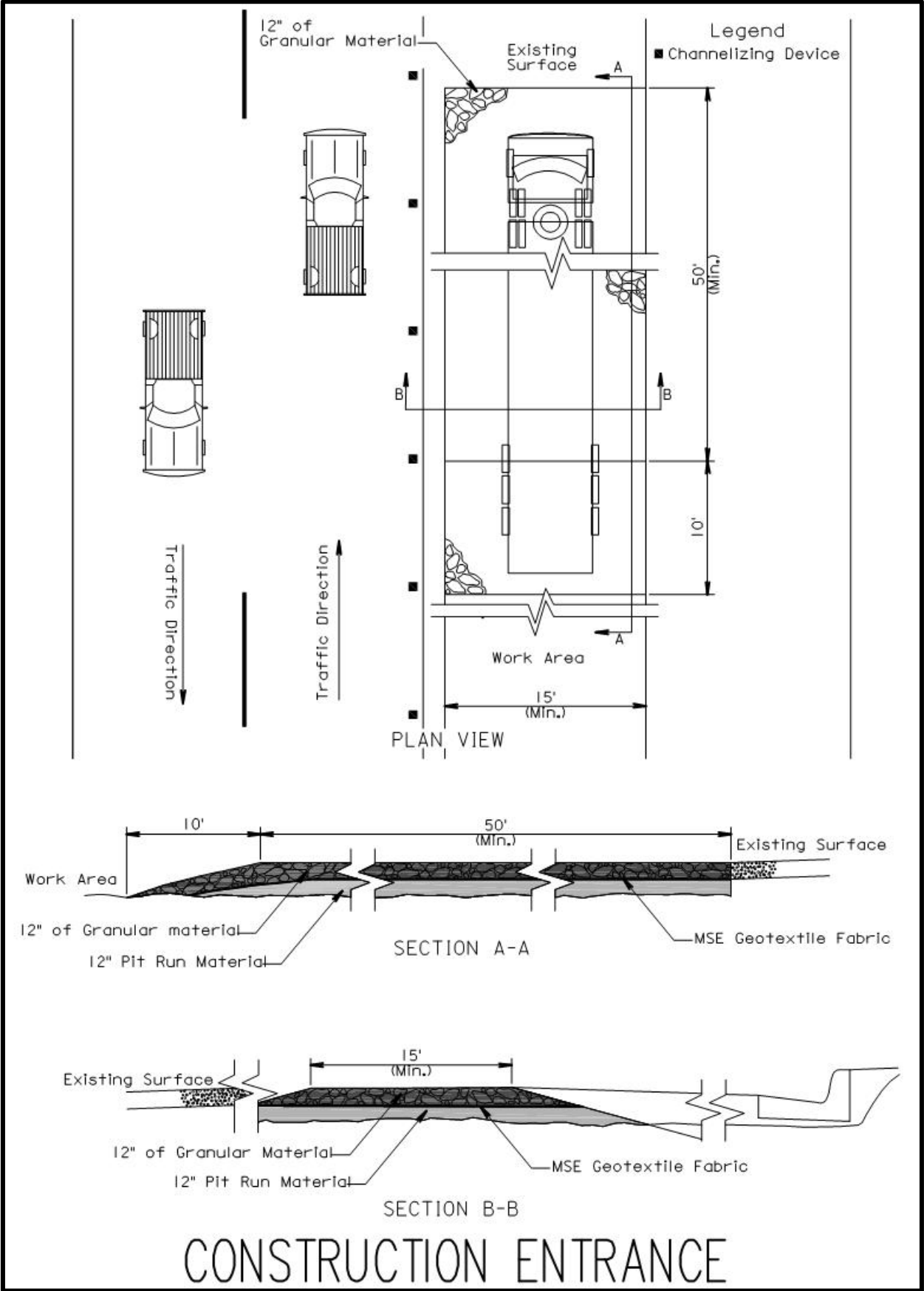
(Estimated Quantities)
(For Information Only)

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 Adaptor	1	Each
9	4" or 6" Dia. Sch. 40 PVC Swing Check Valve	1	Each

MAXIMUM PUMPING TIME

Pump Type	Flow Rate (gpm)	No. of 500 K Gallon Treatment Floc. Bags Required	Expend After: (Hours)
2"	50-250	1	30
3" gas	250-350	1	30-40
4" diesel	500-750	1-2	24-33
6" diesel	750-1000	2-3	25-36





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: 2027	S D D O T	EROSION CONTROL BLANKET	PLATE NUMBER
			734.01
			Sheet 1 of 1

MANUAL LOW FLOW SILT FENCE INSTALLATION

The diagram shows three steps: 1. Excavate a 4-inch wide trench. 2. Drive steel T fence posts 6 feet apart. 3. Attach 26-inch woven wire fence to the posts. A detail view shows the fabric being attached to the posts with plastic ties or hog rings at 12-inch intervals, with a 2-inch fabric overlap. A cross-section A-A shows the silt trap with a 6-foot minimum width and 4-foot depth, and the fence posts 6 feet apart. The fabric is 36 inches wide and overlaps by 2 inches. The silt fence length and width may be adjusted due to a larger pipe, multiple pipe, or other circumstances during construction as determined by the Engineer.

February 14, 2020

Published Date: 2027	S D D O T	LOW FLOW SILT FENCE AND SILT TRAP	PLATE NUMBER 734.04
		Sheet 1 of 2	

MACHINE SLICED LOW FLOW SILT FENCE INSTALLATION

The diagram shows the machine slicing method. 1. Install silt fence fabric by machine slicing method. The fabric is sliced 8 to 12 inches deep with a 3/4 inch wide blade. 2. Wheel compact soil above the sliced portion of the fabric and then drive steel T fence posts. The posts are 6 feet apart. 3. Attach 26-inch woven wire fence to the posts and attach silt fence fabric. The fabric is attached to the posts with plastic ties, wire ties, or hog rings at 12-inch intervals. The silt fence length and width may be adjusted due to a larger pipe, multiple pipe, or other circumstances during construction as determined by the Engineer. The radius of the silt fence will be the minimum capable by the slicing machine. The post spacing will be 3 feet for these types of applications of silt fence. All the other components of the silt fence will be the same as shown above.

February 14, 2020

Published Date: 2027	S D D O T	LOW FLOW SILT FENCE AND SILT TRAP	PLATE NUMBER 734.04
		Sheet 2 of 2	

MANUAL HIGH FLOW SILT FENCE INSTALLATION

1 EXCAVATE TRENCH

2 DRIVE STEEL T FENCE POSTS

3 ATTACH SILT FENCE FABRIC

4 BACKFILL TRENCH AND WHEEL COMPACT SOIL

DETAIL B

SECTION A-A

8" staples will be placed at each post to secure the silt fence fabric to the bottom of the trench.

The elevation at these locations will be, at a minimum, higher than the top of the silt fence fabric at its lowest elevation.

Post spacing will be 3' for these types of applications of silt fence. All other components of the silt fence will be the same as shown above.

The silt fence length and width may be adjusted due to a larger pipe, multiple pipe, or other circumstances during construction as determined by the Engineer.

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MACHINE SLICED HIGH FLOW SILT FENCE INSTALLATION

1 INSTALL SILT FENCE FABRIC BY MACHINE SLICING METHOD.

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

3 ATTACH SILT FENCE FABRIC

DETAIL B

SECTION A-A

The elevation at these locations will be, at a minimum, higher than the top of the silt fence fabric at its lowest elevation.

The silt fence length and width may be adjusted due to a larger pipe, multiple pipe, or other circumstances during construction as determined by the Engineer.

The radius of the silt fence will be the minimum capable by the slicing machine. The post spacing will be 3' for these types of applications of silt fence. All the other components of the silt fence will be the same as shown above.

GENERAL NOTE:

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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Spacing Varies (See Table)

Flow

See Detail B

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

Excavated Material from Trench

Flow

Wood Stake

9" (Min.)

DETAIL B
(Typical of All Installations)

Ends of Erosion Control Wattles

Wood Stake

DETAIL C
(See General Notes)

Point A

Point B

Flow

A

ISOMETRIC VIEW
(Ditch Installation)

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

Point A

Point B

Flow

Wood Stake (Typ.)

PLAN VIEW
(Ditch Installation)

Point A

Point B

Wood Stake

SECTION A-A

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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.

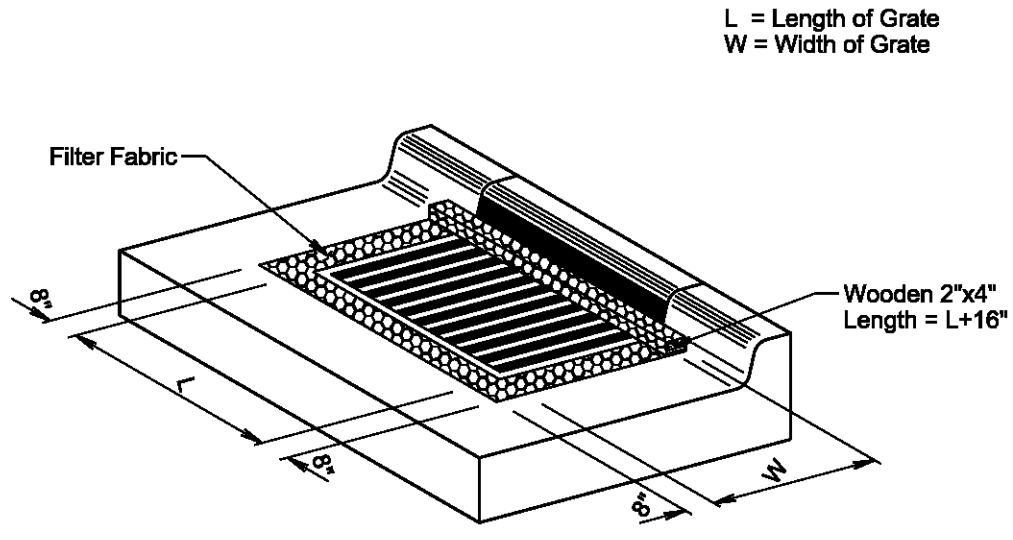
Sediment removal, disposal, or necessary shaping will be as directed by the Engineer. All costs for removing accumulated sediment, disposal of sediment, and necessary shaping will be incidental to the contract unit price per cubic yard for "Remove Sediment".

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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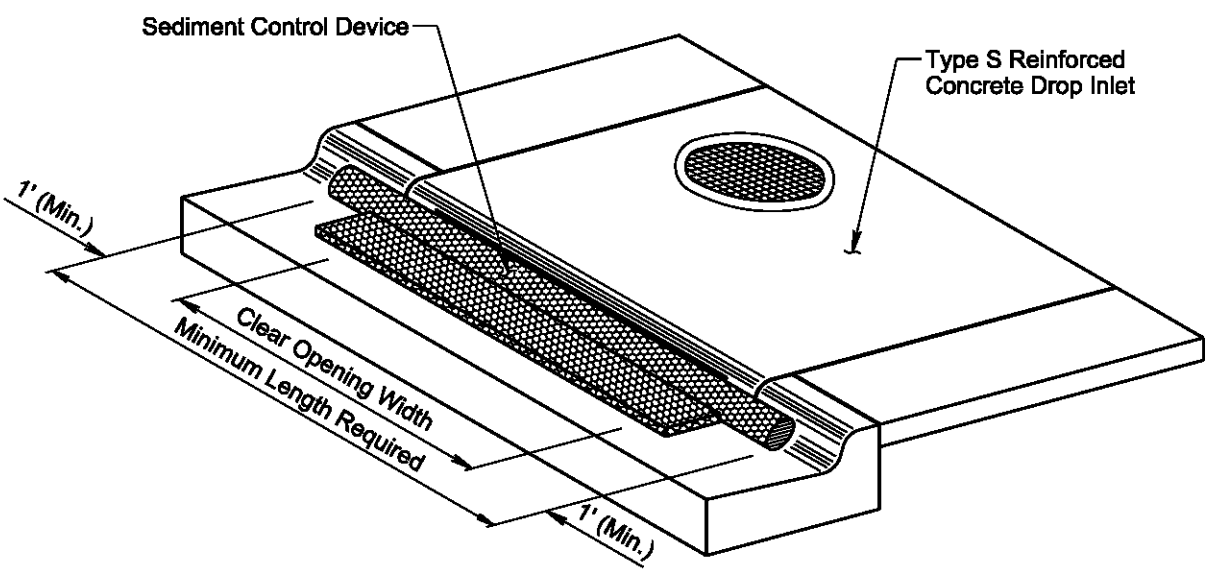
ISOMETRIC VIEW

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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ISOMETRIC VIEW

GENERAL NOTES:

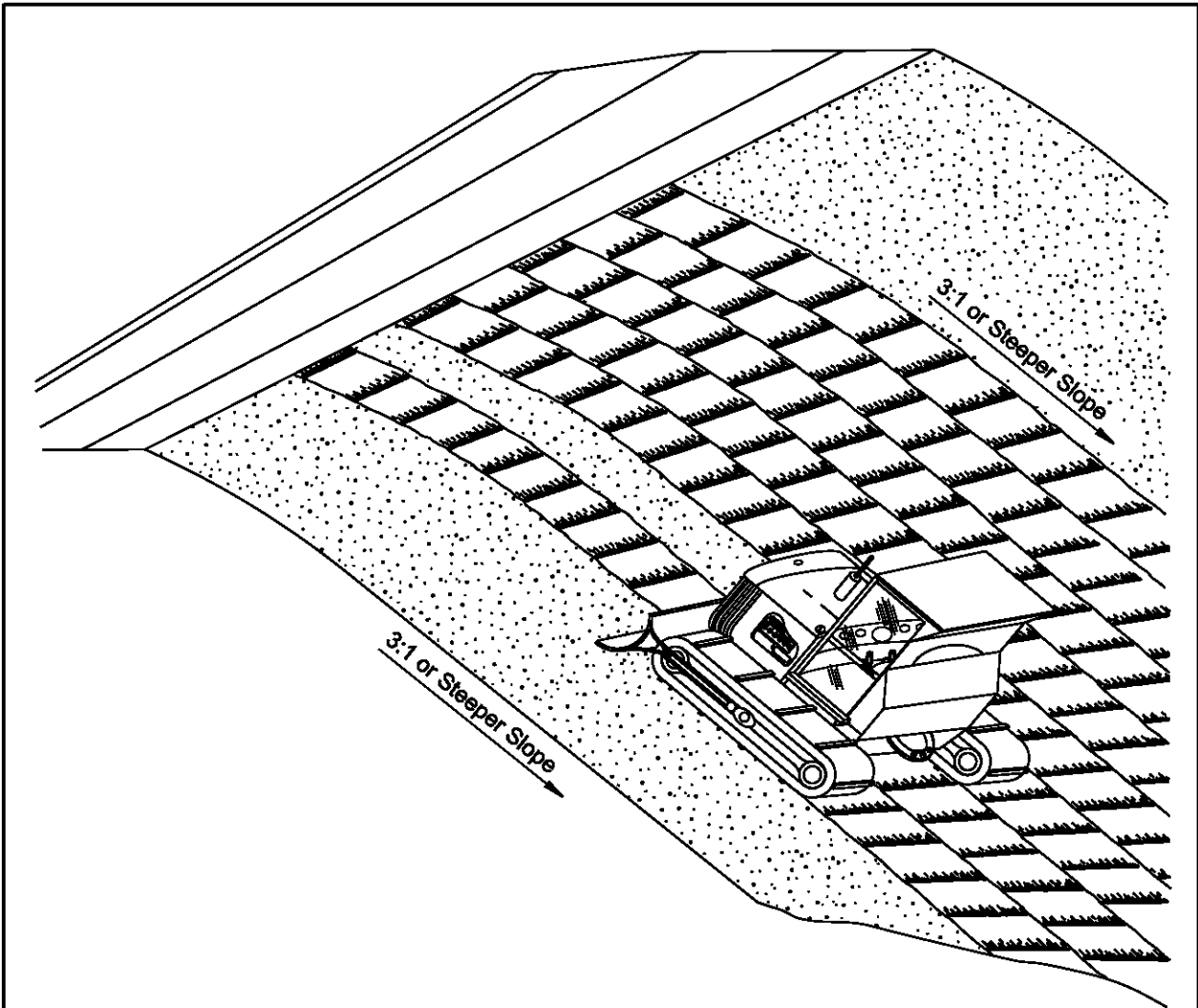
- The type of sediment control device shown is for illustrative purposes only.
- The type of sediment control device used will be one of the types as specified in the plans.
- The sediment control device will be placed at the drop inlets according to the manufacturer's installation instructions.
- The 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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STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0100(107)411 P 1440(00) & P 1432(00)	D46	D46

Plotting Date: 7/21/2026



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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