

SECTION D: EROSION AND SEDIMENT CONTROL PLANS

FOR BIDDING PURPOSES ONLY

STATE OF
SOUTH
DAKOTA

PROJECT
NH 0037(166)73
CR 0907(91)330

HEET
D1
TOTAL
SHEETS
D33

Plotting Date: 06/30/2025

INDEX OF SHEETS

- D1 General Layout with Index
- D2-D5 Estimate with General Notes and Tables
- D6-D9 Stormwater Pollution Prevention Plan Checklist
- D10 Erosion and Sediment Control Legend
- D11-D26 Erosion and Sediment Control Plan Sheets
- D27 Dewatering and Sediment Collection System Details
- D28 SDDOT Construction Entrance Details
- D29-D33 Standard Plates

Plot Scale - 1:200

BEGIN NH 0037(166)73

PCN 06WT

Station 36+77.59 NH 0037(166)73 =
Station 36+77.59 NH 0037(17)73

Approximately 27.84' West and 2623.38' South
of the Northwest Section corner of Section
28 - T103N - R60W of the 5th P.M.

MRM: 73.25+0.004

EQUATION

62+99.13 Bk =
A 53+00.30 Ah

BEGIN EXCEPTION

Station A 54+10.00

EQUATION

A 89+98.91 Bk =
B 89+95.14 Ah

END EXCEPTION

Station B 108+82.86

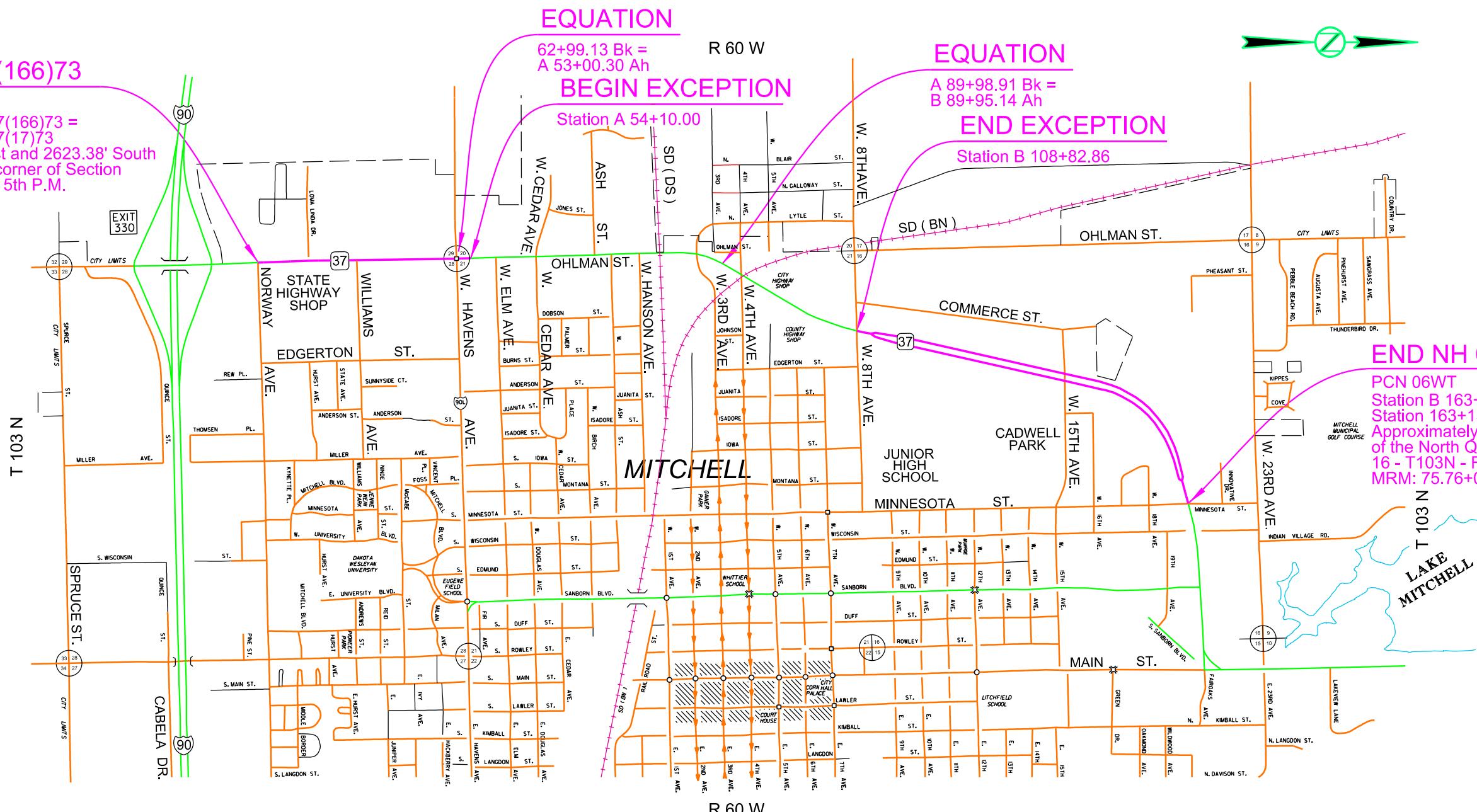


END NH 0037(166)73

PCN 06WT

Station 163+15.42 NH 0037(166)73 =
Station 163+15.42 NP 0037(63)74

Approximately 938.71' South and 839.46' East
of the North Quarter corner of Section
16 - T103N - R60W of the 5th P.M.
MRM: 75.76+0.070



SECTION D ESTIMATE OF QUANTITIES				FERTILIZING	FOR BIDDING PURPOSES ONLY																																																																																				
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PLACING TOPSOIL <p>The thickness will be approximately 4 inches within the right-of-way and 6 inches on temporary easements.</p> <p>The estimated amount of topsoil to be placed is 1,432 CuYd</p>				PERMANENT SEEDING <p>Lawn and turf seed, such as the Type D Permanent Seed Mixture, will be tested within 12 months prior to planting, exclusive of the calendar month in which the test was completed</p> <p>Type D Permanent Seed Mixture will consist of the following:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Grass Species</th> <th style="text-align: left; padding: 2px;">Variety</th> <th style="text-align: left; padding: 2px;">Pure Live Seed (PLS) (Pounds/1000 SqFt)</th> </tr> </thead> <tbody> <tr><td>Kentucky Bluegrass</td><td>Avalanche, Appalachian, Wildhorse, Blue Bonnet, Action</td><td>1.4</td></tr> <tr><td>Perennial Ryegrass</td><td>Turf Type Varieties</td><td>1.4</td></tr> <tr><td>Creeping Red Fescue</td><td>Epic, Boreal, Chantilly</td><td>1.4</td></tr> <tr><td>Chewings Fescue</td><td>Ambrose, K2, Zodiac, Shadow III</td><td>1.4</td></tr> <tr><td>Alkali Grass</td><td>Fults, Fults II, Quill, Salty</td><td>1.4</td></tr> <tr><td align="right" style="text-align: right; padding: 2px;">Total:</td><td align="right" style="text-align: right; padding: 2px;">7</td><td></td></tr> </tbody> </table>		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		FIBER MULCHING <p>Fiber mulch will be applied in a separate operation following permanent seeding.</p> <p>An additional 2% by weight of tackifier will be added to the fiber mulch product selected from the approved product list. If the product selected has guar gum tackifier included, then the additional 2% of tackifier will be guar gum. If the product selected has synthetic tackifier included, then the additional 2% of tackifier will be synthetic.</p> <p>Fiber mulch will be applied at the rate of 3,000 pounds per acre.</p> <p>The Contractor will allow the fiber mulch to cure a minimum of 18 hours prior to watering or any storm event to ensure proper cohesion between the soil and fiber particles.</p> <p>All costs for the additional tackifier added to the fiber mulch including labor, equipment, and materials will be incidental to the contract unit price per ton for "Fiber Mulching".</p> <p>The fiber mulch provided will be from the approved product list. The approved product list for fiber mulch may be viewed at the following internet site:</p> <p>http://apps.sd.gov/HC60ApprovedProducts/main.aspx</p>																																																														
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<p>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.</p> <p>The Contractor will provide certification that the erosion control wattles do not contain noxious weed seeds.</p> <p>Erosion control wattles will remain on the project until vegetation has been established and then they will be removed in accordance with the Engineer.</p> <p>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.</p> <p>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:</p> <p>http://apps.sd.gov/HC60ApprovedProducts/main.aspx</p>																																																															
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INTERIM SEDIMENT CONTROL AT INLETS, MANHOLES, AND JUNCTION BOXES AFTER SURFACING REMOVAL AND BEFORE PLACEMENT OF SURFACING

Refer to Standard Plate 734.05 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 provided will be from the approved product list. The approved product list may be viewed at the following internet site:

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

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".

TABLE OF INTERIM SEDIMENT CONTROL AT INLETS, MANHOLES AND JUNCTION BOXES AFTER SURFACING REMOVAL AND BEFORE PLACEMENT OF SURFACING **FOR BIDDING PURPOSES ONLY**

Station	High Flow Silt Fence Quantity (Ft)	Sediment Filter Bag Quantity (Ft)	Remove Sediment Quantity (CuYd)
59+46 – 52' L	22	28	0.25
B109+52 – 177' R	42	52	0.25
Totals:	64	80	0.5

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:

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

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

TABLE OF SEDIMENT CONTROL AT INLETS WITH FRAMES AND GRATES

Station	Quantity (Each)
40+39 R	1
42+61 R	1
42+85 L	1
43+18 R	1
43+56 R	1
44+41 L	1
44+41 R	1
45+75 R	1
45+97 L	1
46+30 R	1
46+69 R	1
46+85 L	1
47+69 R	1
49+30 R	1
50+13 L	1
50+13 R	1
52+03 R	1
53+35 R	1
53+37 L	1
54+64 R	1
56+50 L	1
56+50 R	1
57+86 R	1
58+21 R	1
58+46 L	1
58+46 R	1
59+46 – 52' L	1
59+91 L	1
59+91 R	1

Total: 29

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))

1:200

Plot Scale -

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): ADA Curb Ramp Upgrades, Sidewalks, Traffic Signals
- 5.3 (3b): Total Project Area
- 5.3 (3b): Total Area to be Disturbed
- 5.3 (3c): Maximum Area Disturbed at One Time
- 5.3 (3d): Existing Vegetative Cover 85%
- 5.3 (3d): Description of Vegetative Cover Turf grass
- 5.3 (3e): Soil Properties: Clarno-Ethan-Bonilla loams
- 5.3 (3f): Name of Receiving Water Body/Bodies Lake Mitchell
- 5.3 (3g): Location of Construction Support Activity Areas

5.3 (3h): ORDER OF CONSTRUCTION ACTIVITIES

- Special sequencing requirements (see Section C).
 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 inlet and culvert protection after completing storm drainage and other utility installations.	
Complete ADA upgrades and sidewalks.	
Final grading.	
Final paving.	
Removal of protection devices.	
Reseed areas disturbed by removal activities.	

5.3 (5): DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES FOR BIDDING PURPOSES ONLY

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
<input type="checkbox"/> Natural Buffers (within 50 ft of Waters of State)	
<input checked="" type="checkbox"/> Silt Fence	
<input checked="" type="checkbox"/> Erosion Control Wattles	
<input type="checkbox"/> Temporary Berm / Windrow	
<input type="checkbox"/> Floating Silt Curtain	
<input type="checkbox"/> Stabilized Construction Entrances	
<input type="checkbox"/> Entrance/Exit Equipment Tire Wash	
<input type="checkbox"/> Other:	

Structural Erosion and Sediment Controls

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

Dust Controls

Description	Estimated Start Date
<input type="checkbox"/> Tarps & Wind impervious fabrics	
<input type="checkbox"/> Watering	
<input type="checkbox"/> Stockpile location/orientation	
<input type="checkbox"/> Dust Control Chlorides	
<input type="checkbox"/> Other	

Dewatering BMPs

Description	Estimated Start Date
<input type="checkbox"/> Sediment Basins	
<input type="checkbox"/> Dewatering bags	
<input type="checkbox"/> Weir tanks	
<input type="checkbox"/> Temporary Diversion Channel	
<input type="checkbox"/> 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
<input type="checkbox"/> Vegetation Buffer Strips	
<input type="checkbox"/> Temporary Seeding (Cover Crop Seeding)	
<input checked="" type="checkbox"/> Permanent Seeding	
<input type="checkbox"/> Sodding	
<input type="checkbox"/> Planting (Woody Vegetation for Soil Stabilization)	
<input type="checkbox"/> Mulching (Grass Hay or Straw)	
<input checked="" type="checkbox"/> Fiber Mulching (Wood Fiber Mulch)	
<input type="checkbox"/> Soil Stabilizer	
<input type="checkbox"/> Bonded Fiber Matrix	
<input type="checkbox"/> Fiber Reinforced Matrix	
<input type="checkbox"/> Erosion Control Blankets	
<input type="checkbox"/> Surface Roughening (e.g. tracking)	
<input type="checkbox"/> 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.

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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 $\frac{1}{3}$ 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 $\frac{1}{2}$ 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.

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- 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.

<p>Plot Scale - 1:200</p> <p>Plotted From - TRPR13525</p>	<p>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).</p> <ul style="list-style-type: none"> ➤ <input checked="" type="checkbox"/> Concrete and Portland Cement ➤ <input type="checkbox"/> Detergents ➤ <input checked="" type="checkbox"/> Paints ➤ <input checked="" type="checkbox"/> Metals ➤ <input type="checkbox"/> Bituminous Materials ➤ <input checked="" type="checkbox"/> Petroleum Based Products ➤ <input type="checkbox"/> Diesel Exhaust Fluid ➤ <input type="checkbox"/> Cleaning Solvents ➤ <input checked="" type="checkbox"/> Wood ➤ <input type="checkbox"/> Cure ➤ <input type="checkbox"/> Texture ➤ <input type="checkbox"/> Chemical Fertilizers ➤ <input type="checkbox"/> Other: <p>Product Specific Practices</p> <ul style="list-style-type: none"> ▪ 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. <p>5.3 (10): NON-STORMWATER DISCHARGES The following non-stormwater discharges are anticipated during the course of this project (check all that apply).</p> <ul style="list-style-type: none"> ➤ <input type="checkbox"/> Discharges from water line flushing. ➤ <input type="checkbox"/> Pavement wash-water, where no spills or leaks of toxic or hazardous materials have occurred. ➤ <input type="checkbox"/> Uncontaminated ground water associated with dewatering activities. <p>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.</p>	<p>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:</p> <ul style="list-style-type: none"> ➤ 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: <ul style="list-style-type: none"> • 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. <p style="color: red; font-weight: bold;">FOR BIDDING PURPOSES ONLY</p>				
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">STATE OF SOUTH DAKOTA</td> <td style="width: 40%; text-align: center;">PROJECT NH 0037(166)73 CR 0907(91)330</td> <td style="width: 10%; text-align: center;">SHEET D8</td> <td style="width: 10%; text-align: center;">TOTAL SHEETS D33</td> </tr> </table>	STATE OF SOUTH DAKOTA	PROJECT NH 0037(166)73 CR 0907(91)330	SHEET D8	TOTAL SHEETS D33
STATE OF SOUTH DAKOTA	PROJECT NH 0037(166)73 CR 0907(91)330	SHEET D8	TOTAL SHEETS D33			
		<p>Plotting Date: 06/30/2025</p>				
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<p>5.4: SWPPP CERTIFICATIONS</p> <p>➤ Certification of Compliance with Federal, State, and Local Regulations</p> <p>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.</p> <p>➤ South Dakota Department of Transportation</p> <p>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.</p> <p style="text-align: center;"></p> <hr/> <p>Authorized Signature (See the General Permit, Section 7.4 (1))</p> <p>➤ Prime Contractor</p> <p>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.</p> <p>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.</p> <hr/> <p>Authorized Signature</p>	<p>CONTACT INFORMATION</p> <p>The following personnel are duly authorized representatives and have signatory authority for modifications made to the SWPPP:</p> <p>➤ Contractor Information:</p> <ul style="list-style-type: none"> ▪ Prime Contractor Name: _____ ▪ Contractor Contact Name: _____ ▪ Address: _____ ▪ _____ ▪ City: _____ State: _____ Zip: _____ ▪ Office Phone: _____ Field: _____ ▪ Cell Phone: _____ Fax: _____ <p>➤ Erosion Control Supervisor</p> <ul style="list-style-type: none"> ▪ Name: _____ ▪ Address: _____ ▪ _____ ▪ City: _____ State: _____ Zip: _____ ▪ Office Phone: _____ Field: _____ ▪ Cell Phone: _____ Fax: _____ <p>➤ SDDOT Project Engineer</p> <ul style="list-style-type: none"> ▪ Name: _____ ▪ Business Address: _____ ▪ Job Office Location: _____ ▪ City: _____ State: _____ Zip: _____ ▪ Office Phone: _____ Field: _____ ▪ Cell Phone: _____ Fax: _____ <p>➤ SDDANR Contact Spill Reporting</p> <ul style="list-style-type: none"> ▪ Business Hours Monday-Friday (605) 773-3296 ▪ Nights and Weekends (605) 773-3231 <p>➤ SDDANR Contact for Hazardous Materials.</p> <ul style="list-style-type: none"> ▪ (605) 773-3153 <p>➤ National Response Center Hotline</p> <ul style="list-style-type: none"> ▪ (800) 424-8802. <p>➤ SDDANR Stormwater Contact Information</p> <ul style="list-style-type: none"> ▪ SDDANR Stormwater (800) 737-8676 ▪ Surface Water Quality Program (605) 773-3351 	<p style="color: red; font-weight: bold;">FOR BIDDING PURPOSES ONLY</p> <p>STATE OF SOUTH DAKOTA</p> <p>PROJECT NH 0037(166)73 CR 0907(91)330</p> <p>Plotting Date: 06/30/2025</p> <p>5.5: REQUIRED SWPPP MODIFICATIONS</p> <p>➤ 5.5 (1): Conditions Requiring SWPPP Modification</p> <p>The SWPPP must be modified, including the site map(s), in response to any of the following conditions:</p> <ul style="list-style-type: none"> ▪ 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. <p>➤ 5.5 (2): Deadlines for SWPPP Modification</p> <p>Any required revisions to the SWPPP must be completed within 7 calendar days following any of the items listed above.</p> <p>➤ 5.5 (3): Documentation of Modifications to the Plan</p> <p>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.</p> <p>➤ 5.5 (4): Certification Requirements</p> <p>All modifications made to the SWPPP must be signed and certified as required in Section 7.4.</p> <p>➤ 5.5 (5): Required Notice to Other Operators</p> <p>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.</p> <p>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.</p>
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EROSION AND SEDIMENT CONTROL LEGEND

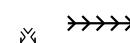
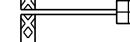
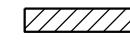
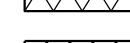
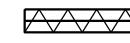
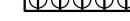
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT NH 0037(166)73 CR 0907(91)330	Plotting Date: 06/30/2025
		SHEET D10

1:200

Plot Scale -

Plotted From - TRPR13525

-  Silt Fence J-Hooks
-  Low Flow Silt Fence
-  High Flow Silt Fence
-  High Flow Silt Fence at Pipe
-  Sediment Control at Inlet After Placement of Surfacing
-  Sediment Control at Inlet Before Placement of Surfacing
-  Temporary Sediment Barrier
-  Temporary Water Barrier
-  Floating Silt Curtain
-  Sediment Filter Bags
-  Triangular Silt Barriers
-  Erosion Control Wattles on Slopes
-  Erosion Control Wattles at Inlets
-  Erosion Control Wattles in Ditches
-  Erosion Bales
-  Surfacing Roughening
-  Temporary Grass Hay or Straw Mulch/ Soil Stabilizer
-  Cut Interceptor Ditch
-  Temporary Slope Drain
-  Bonded Fiber Matrix/ Fiber Reinforced Matrix
-  Rock Check Dam
-  Type 1 Erosion Control Blanket
-  Type 2 Erosion Control Blanket
-  Type 3 Erosion Control Blanket
-  Type 4 Erosion Control Blanket
-  Type 1 Turf Reinforcement Mat
-  Type 2 Turf Reinforcement Mat
-  Type 3 Turf Reinforcement Mat
-  Transition Mat
-  Articulated Concrete Matress
-  Silt Trap (See Standard Plate 734.04)

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 and remain in place for the Intermediate Phase for temporary stabilization and in the Final Phase to achieve final stabilization.

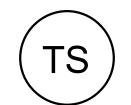
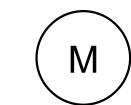
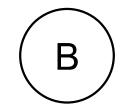
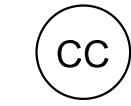
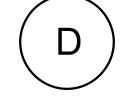
INTERMEDIATE PHASE

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

FINAL PHASE

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 achieve final stabilization.

If these items are applicable they are to be shown in the updated SWPPP using the Symbols given.

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

Install Sediment Control at
Inlets with Frames and Grates
after the placement of surfacing
at the following locations:
40+39 R 1 Each

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0037(166)73 CR 0907(91)330	D11	D33

Plotting Date: 06/30/2025



Plot Scale -

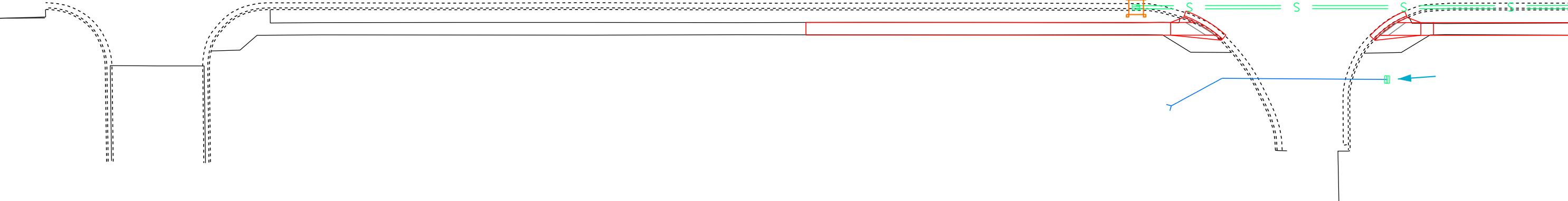
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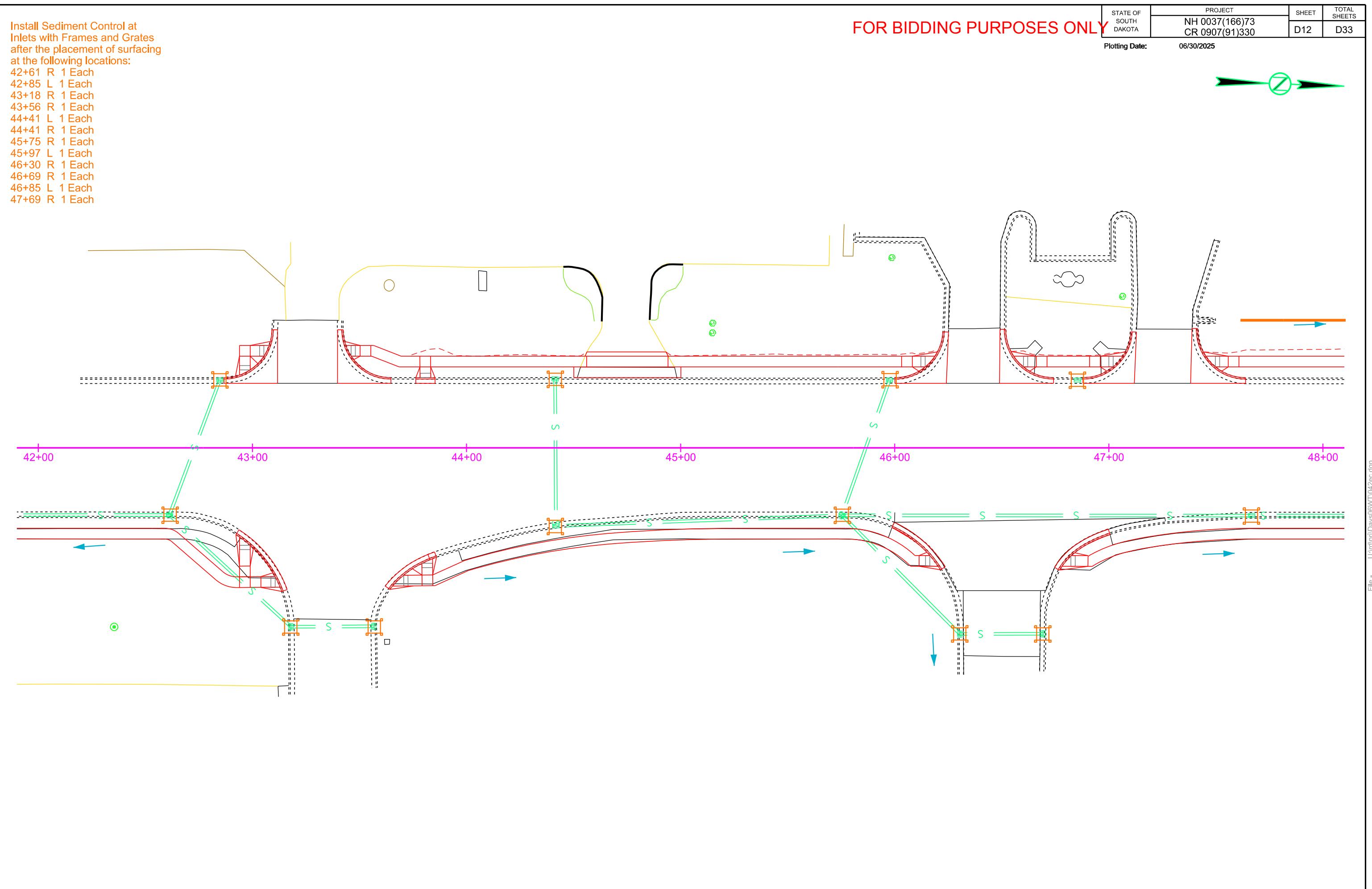
BEGIN NH 0037(166)73

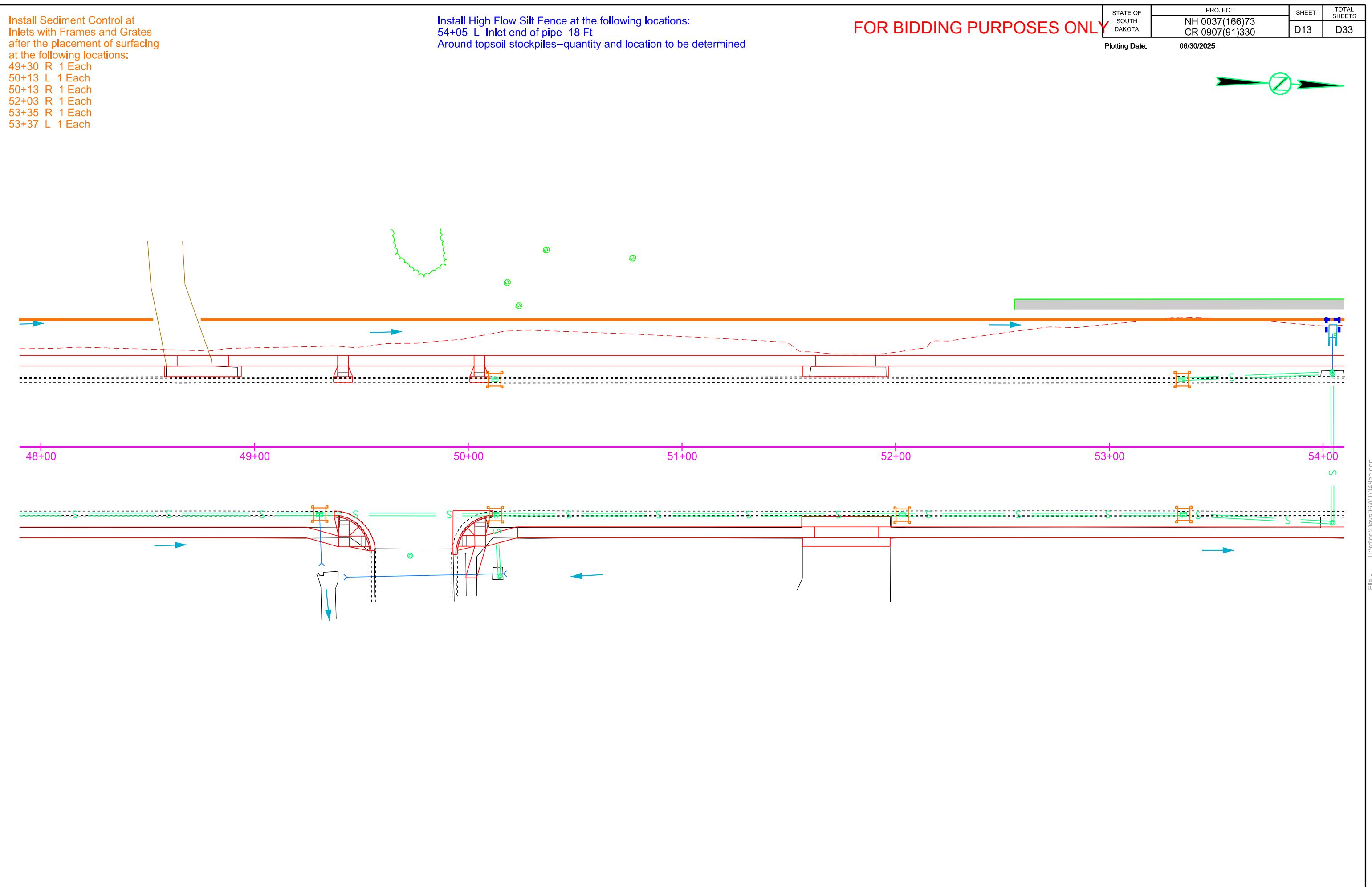
Station 36+77.59

36+00 37+00 38+00 39+00 40+00 41+00 42+00



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Install Low Flow Silt Fence at the following locations:
47+60 to 59+00 L Perimeter control 1,125 Ft

Install Interim Sediment Control at Inlets, Manholes, and Junction Boxes before the placement of surfacing at the following locations:
59+46 - 52' L 22 Ft High Flow Silt Fence 28 Ft Sediment Filter Bags

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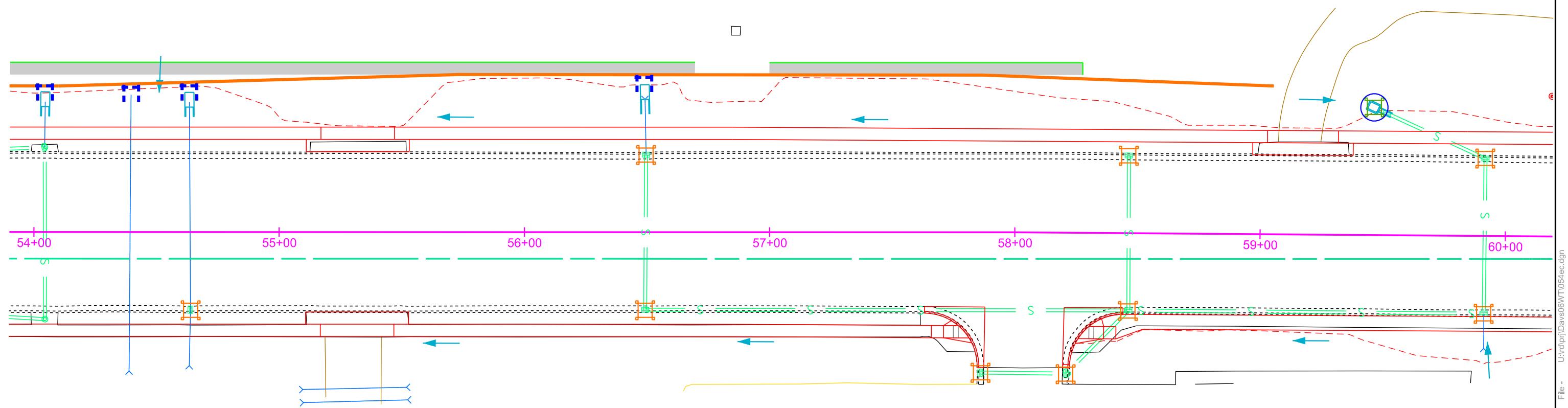
Install Sediment Control at
Inlets with Frames and Gates
after the placement of surfacing
at the following locations:
59+46 - 52' L 1 Each

Plotting

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0037(166)73 CR 0907(91)330	D14	D33

Install Sediment Control at
Inlets with Frames and Grates
after the placement of surfacing
at the following locations:
54+64 R 1 Each
56+50 L 1 Each
56+50 R 1 Each
57+86 R 1 Each
58+21 R 1 Each
58+46 L 1 Each
58+46 R 1 Each
59+91 L 1 Each
59+91 R 1 Each

Install High Flow Silt Fence at the following locations:
54+39 L Inlet end of pipe 18 Ft
54+63 L Inlet end of pipe 18 Ft
56+49 L Inlet end of pipe 18 Ft
Around topsoil stockpiles--quantity and location to be determined



FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT NH 0037(166)73 CR 0907(91)330	HEET D15	TOTAL SHEETS D33
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Plotting Date: 06/30/2025



Plot Scale -

60+00 61+00 62+00 A 53+00 A 54+00 A 55+00 A 56+00

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Install 12" Diameter Erosion Control Wattles
at the following locations:
B108+00 to B108+40 L Perimeter control 65 Ft
B108+06 R Inlet end of pipe 20 Ft
10+14 L/R (SU099) Inlet and outlet ends of pipe 40 Ft

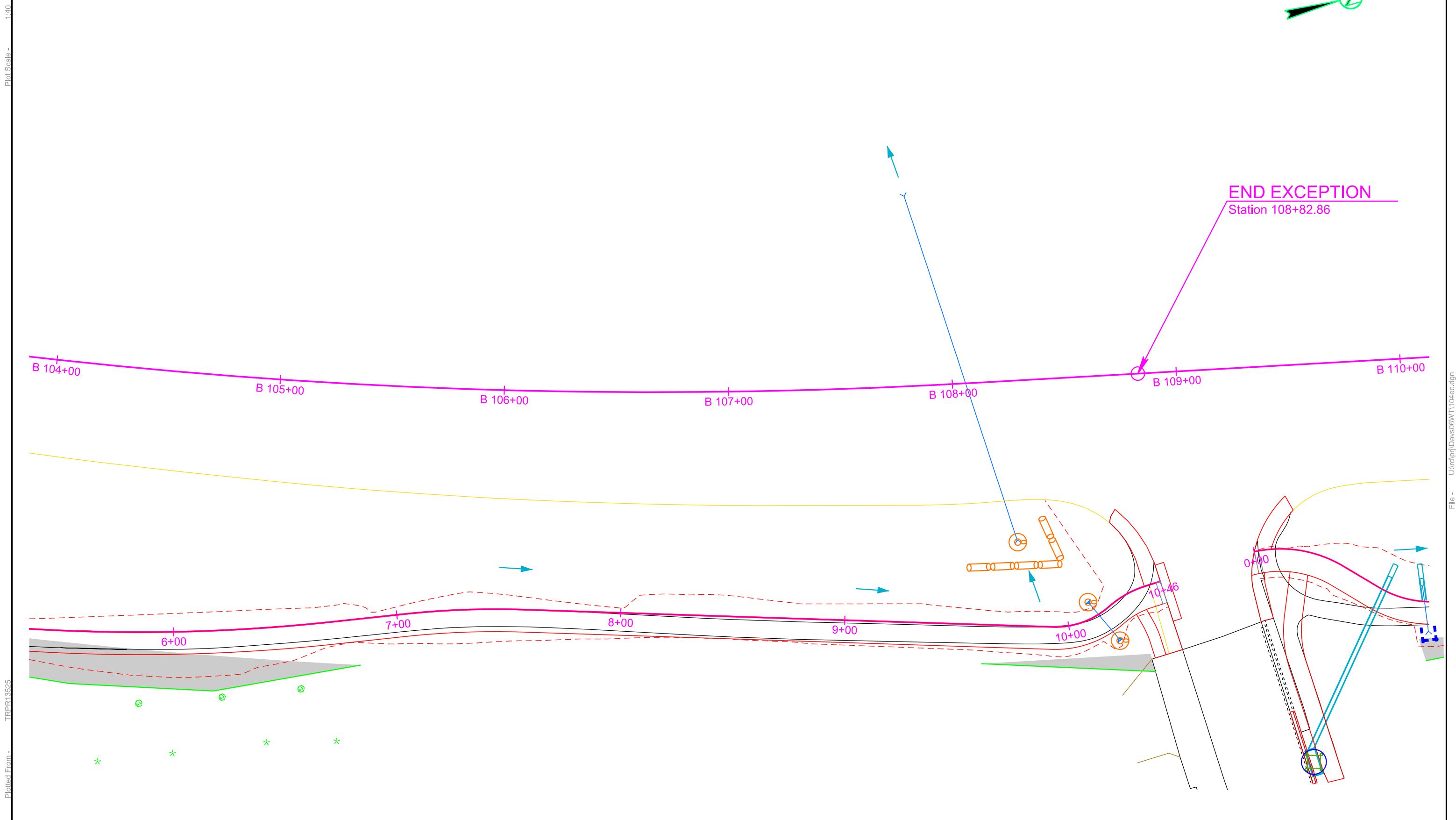
Install Interim Sediment Control at Inlets, Manholes, and Junction Boxes before the placement of surfacing at the following locations:
B109+52 - 177' R 42 Ft High Flow Silt Fence 52 Ft Sediment Filter Bags

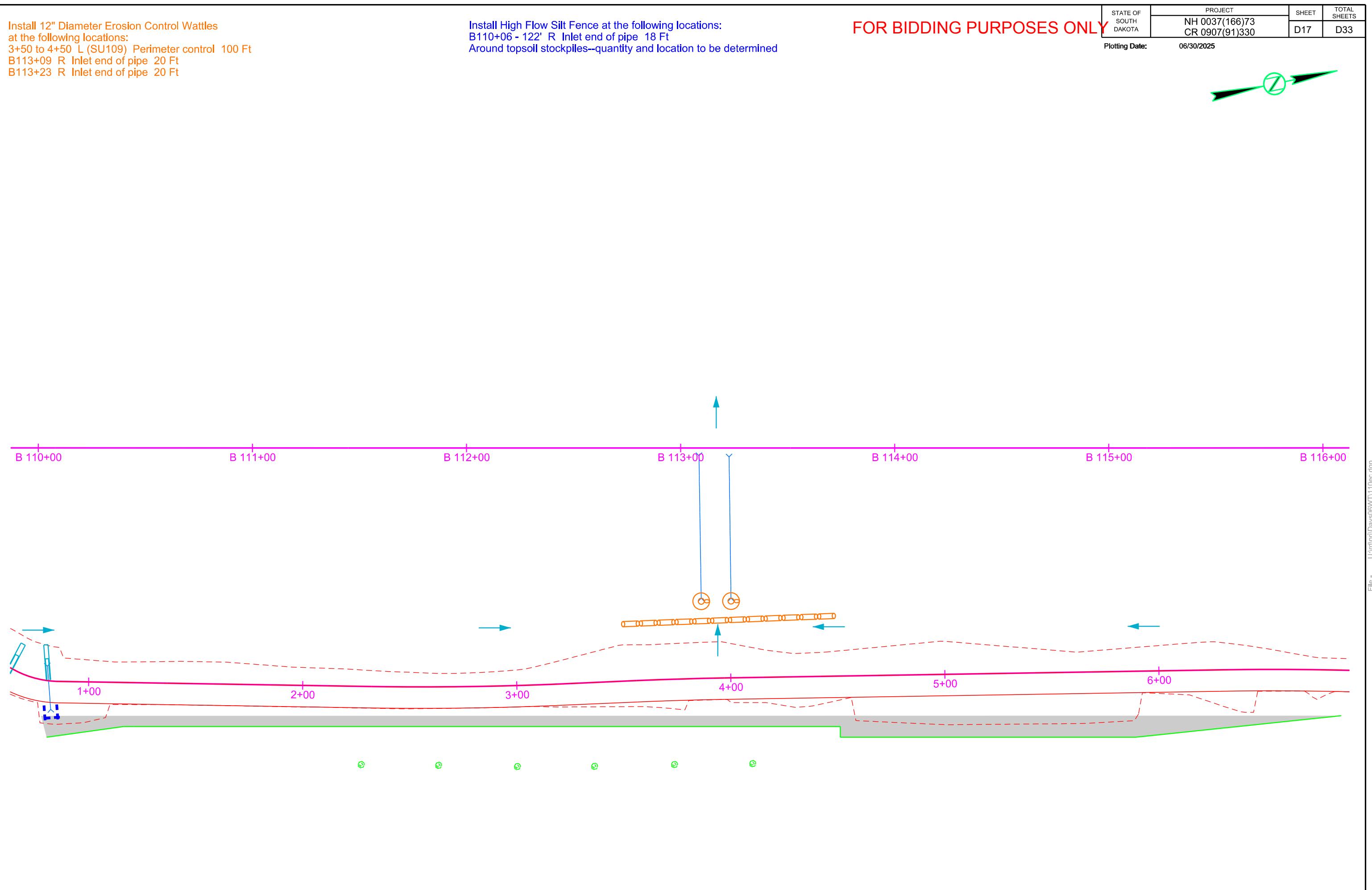
Install Sediment Control
at Type S D75p inlets after
the placement of surfacing
at the following locations:
B109+52 - 177' R 13 Ft

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0037(166)73 CR 0907(91)330	D16	D33

Plotting Date: 06/30/2025

FOR BIDDING PURPOSES ONLY





FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT NH 0037(166)73 CR 0907(91)330	HEET D18	TOTAL SHEETS D33
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Plotting Date: 06/30/2025

Plot Scale -

B 116+00 B 117+00 B 118+00 B 119+00 B 120+00 B 121+00 B 122+00

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FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0037(166)73 CR 0907(91)330	D19	D33

Plotting Date: 06/30/2025

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Plot Scale - 1:40

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B 123+

B 124+

B 125+

B 126-

B 127+

B 128+00

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Install 12" Diameter Erosion Control Wattles
at the following locations:
B132+11 R Inlet end of pipe 20 Ft
B132+25 R Inlet end of pipe 20 Ft
B131+69 to B132+69 R Pereimiter control 100 Ft
20+06 L/R (SU109) Inlet and outlet ends of pipe 40 Ft
23+13 L/R (SU109) Inlet and outlet ends of pipe 40 Ft

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0037(166)73 CR 0907(91)330	D20	D33

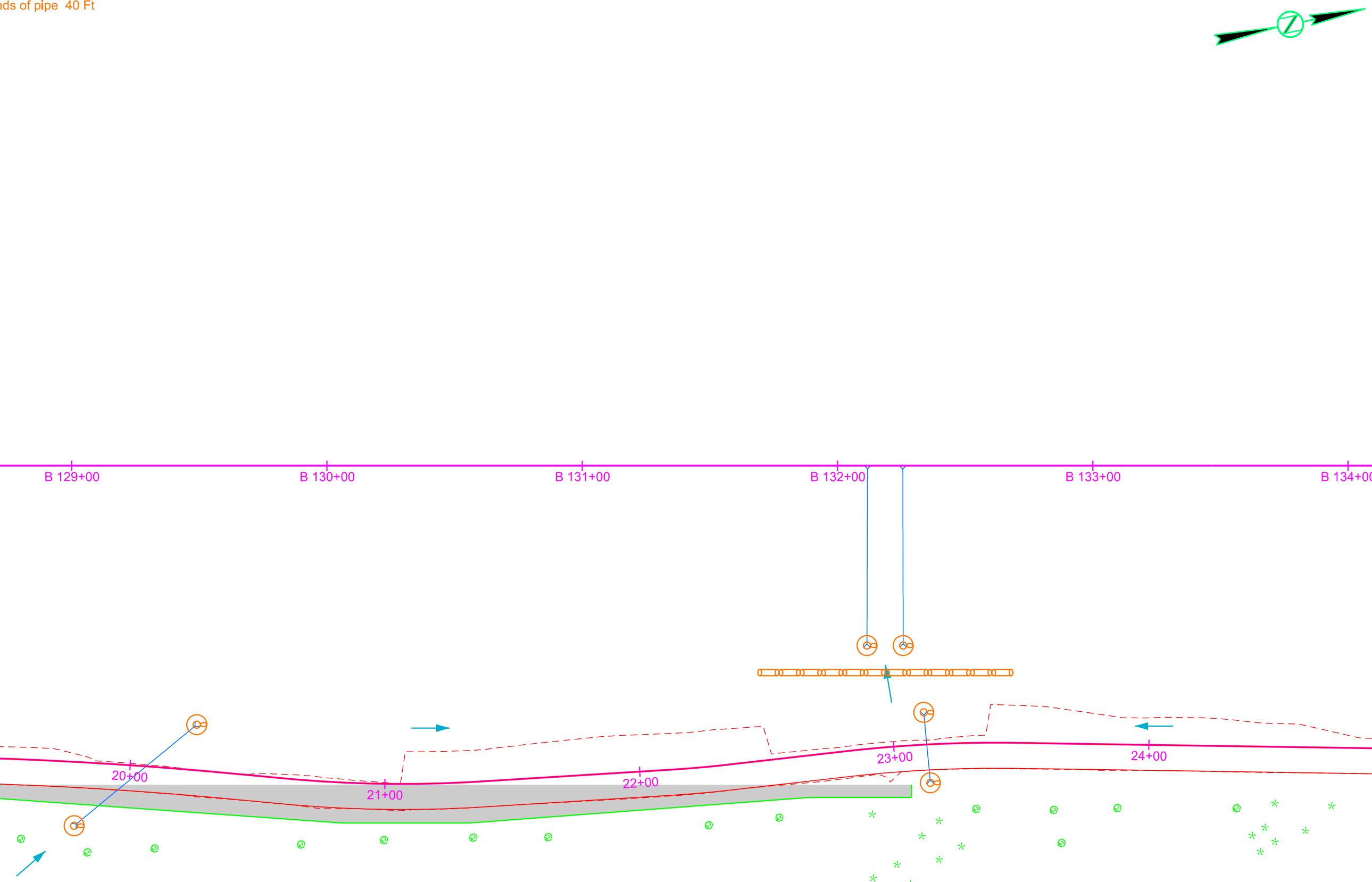
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Plot Scale -

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FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT NH 0037(166)73 CR 0907(91)330	HEET D21	TOTAL SHEETS D33
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Plotting Date: 06/30/2025

Plot Scale:

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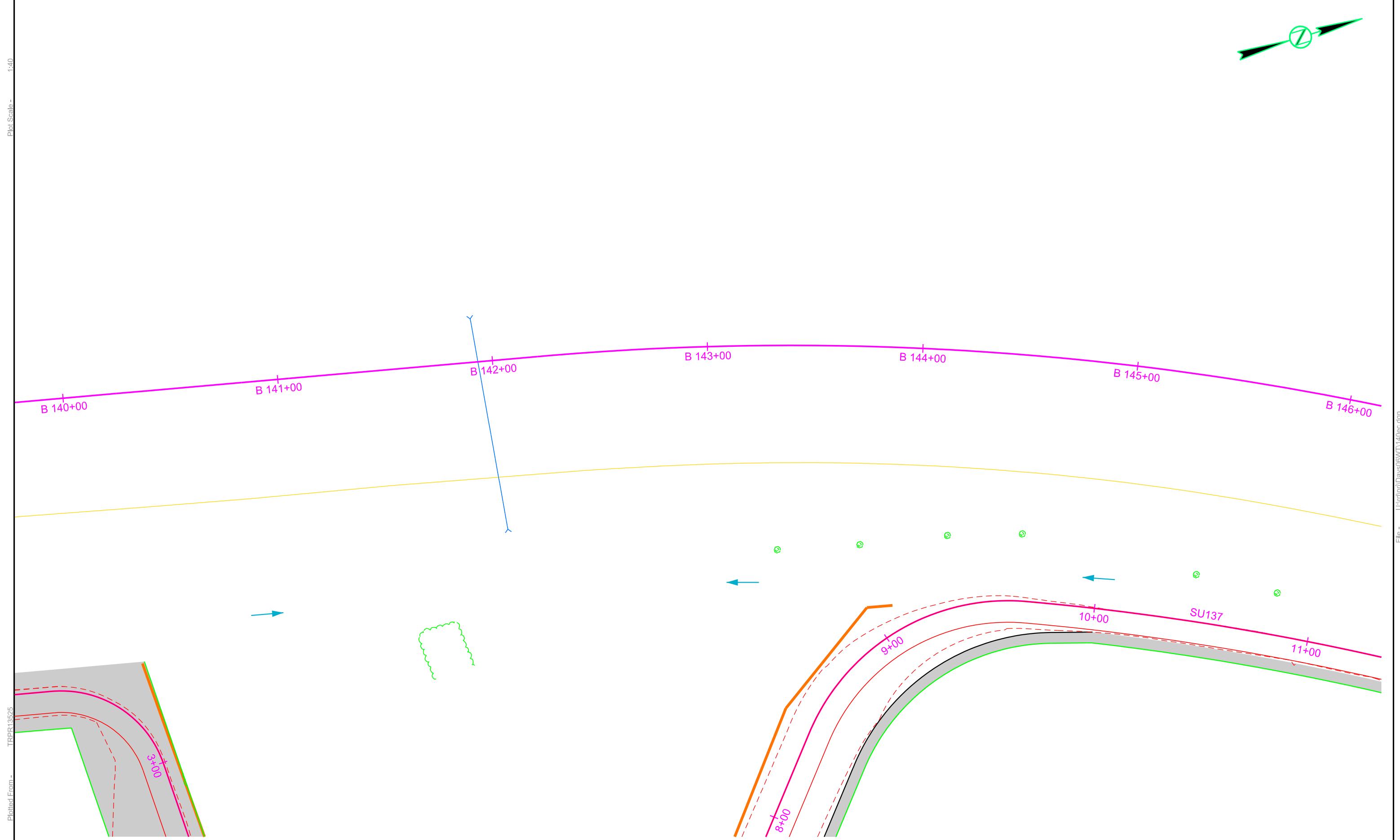
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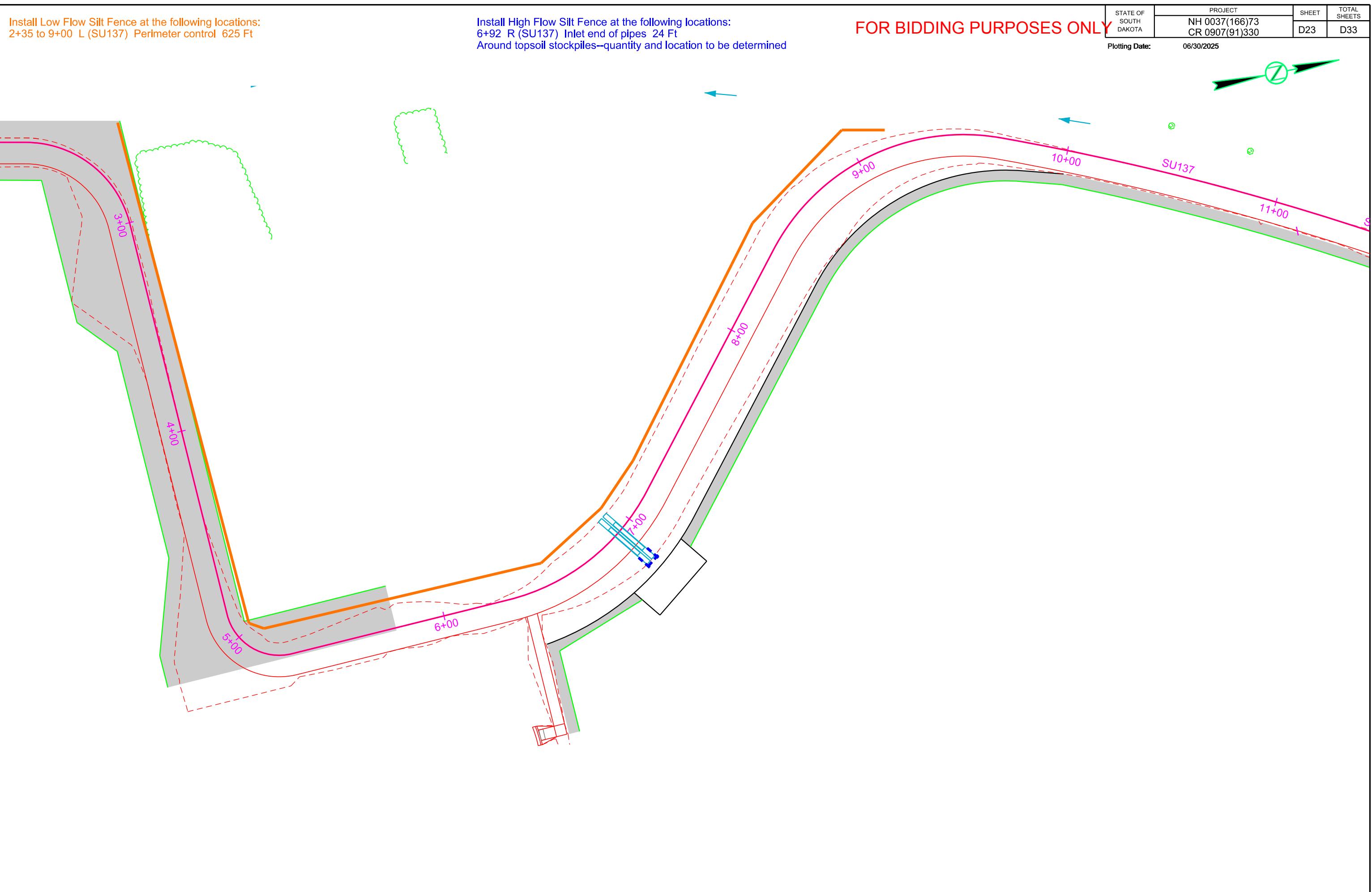


FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0037(166)73 CR 0907(91)330	D22	D33

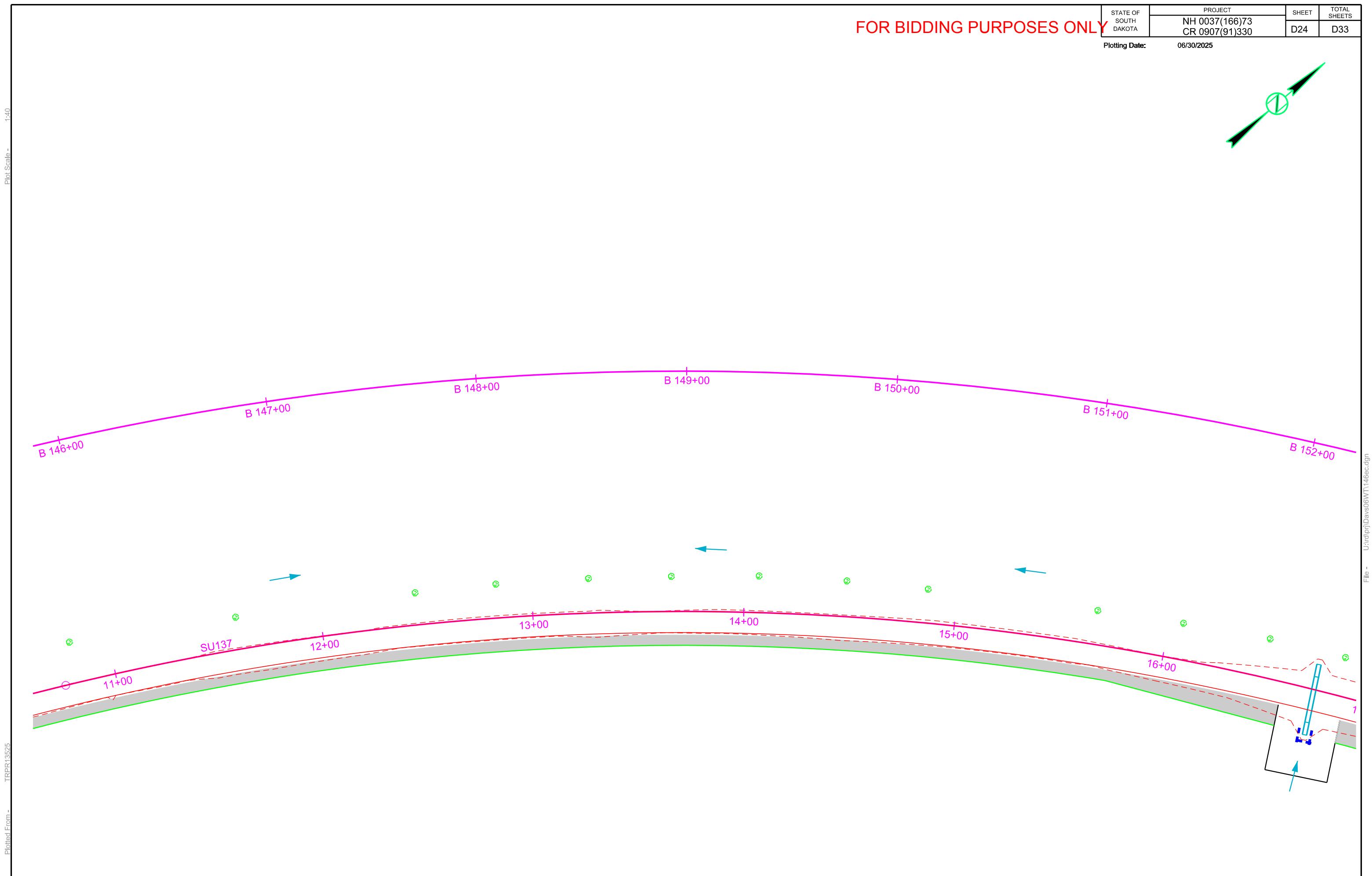
Plotting Date: 06/30/2025





FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT NH 0037(166)73 CR 0907(91)330	HEET D24	TOTAL SHEETS D33
Plotting Date: 06/30/2025			



Install 12" Diameter Erosion Control Wattles
at the following locations:
B153+50 to B154+50 R Perimeter control 100 Ft
B153+99 R Inlet end of pipe 20 Ft

Install High Flow Silt Fence at the following locations:
B152+30 R Inlet end of pipe 18 Ft
Around topsoil stockpiles--quantity and location to be determined

FOR BIDDING PURPOSES ONLY

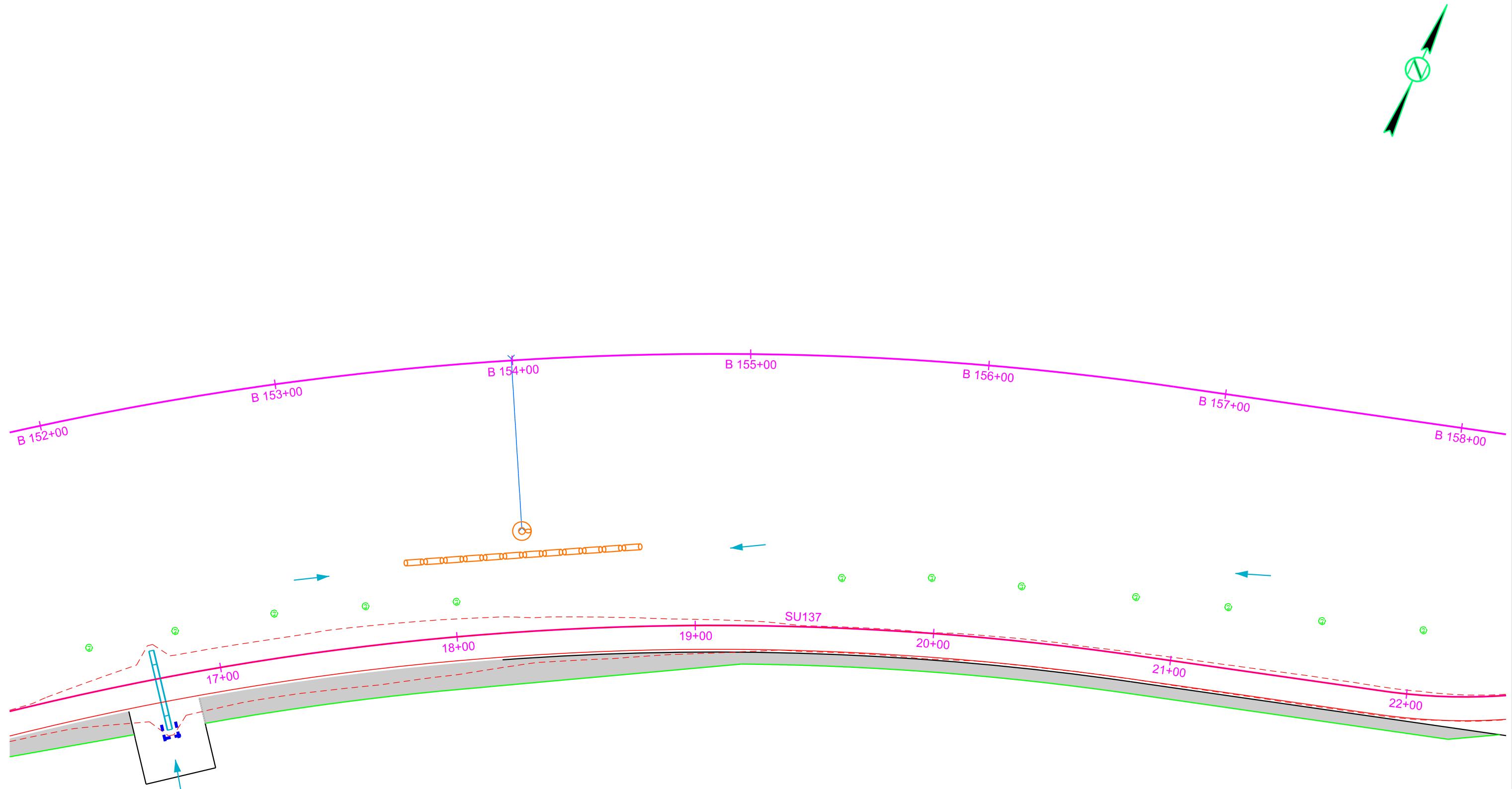
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	NH 0037(166)73 CR 0907(91)330	D25	D33

Plotting Date: 06/30/2025

Plot Scale -

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Install 12" Diameter Erosion Control Wattles
at the following locations:
23+63 L Inlet end of pipe 20 Ft

FOR BIDDING PURPOSES ONLY

LY STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0037(166)73 CR 0907(91)330	D26	D33

Plot Scale - 1:40

B 158+00 B 159+00 B 160+00 B 161+00 B 162+00 B 163+00 B 164+00

END NH 0037(166)73
Station B 163+15.42

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OPTIONS FOR DEWATERING AND SEDIMENT COLLECTING

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OPTIONS ARE NOT LIMITED TO WHAT IS SHOWN ON THIS SHEET

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

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

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

PURPOSE

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

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

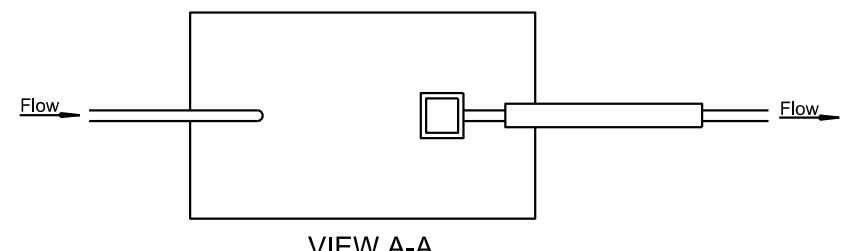
Suggestions for dewatering and sediment collection may be shown on the plan sheets. It is the Contractor's responsibility to dewater and collect sediment. The Contractor will have to intercept and treat the stormwater before storm sewer outfalls into "Waters of the US" or "Waters of the State". The Contractor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

PAYMENT

No additional payment will be made for Dewatering and Sediment Collecting. Dewatering and Sediment Collecting will be incidental to other items on the project.

THE CASCADE SYSTEM

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



FLOCCULENT HOUSING UNIT
(estimated quantities for information only)

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

FLOW RATE ESTIMATE

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

FOR BIDDING PURPOSES ONLY

STATE OF

SOUTH

DAKOTA

PROJECT

NH 0037(166)73

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D27

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SHEET

D27

D33

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

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

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

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

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

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

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

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

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

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

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

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

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

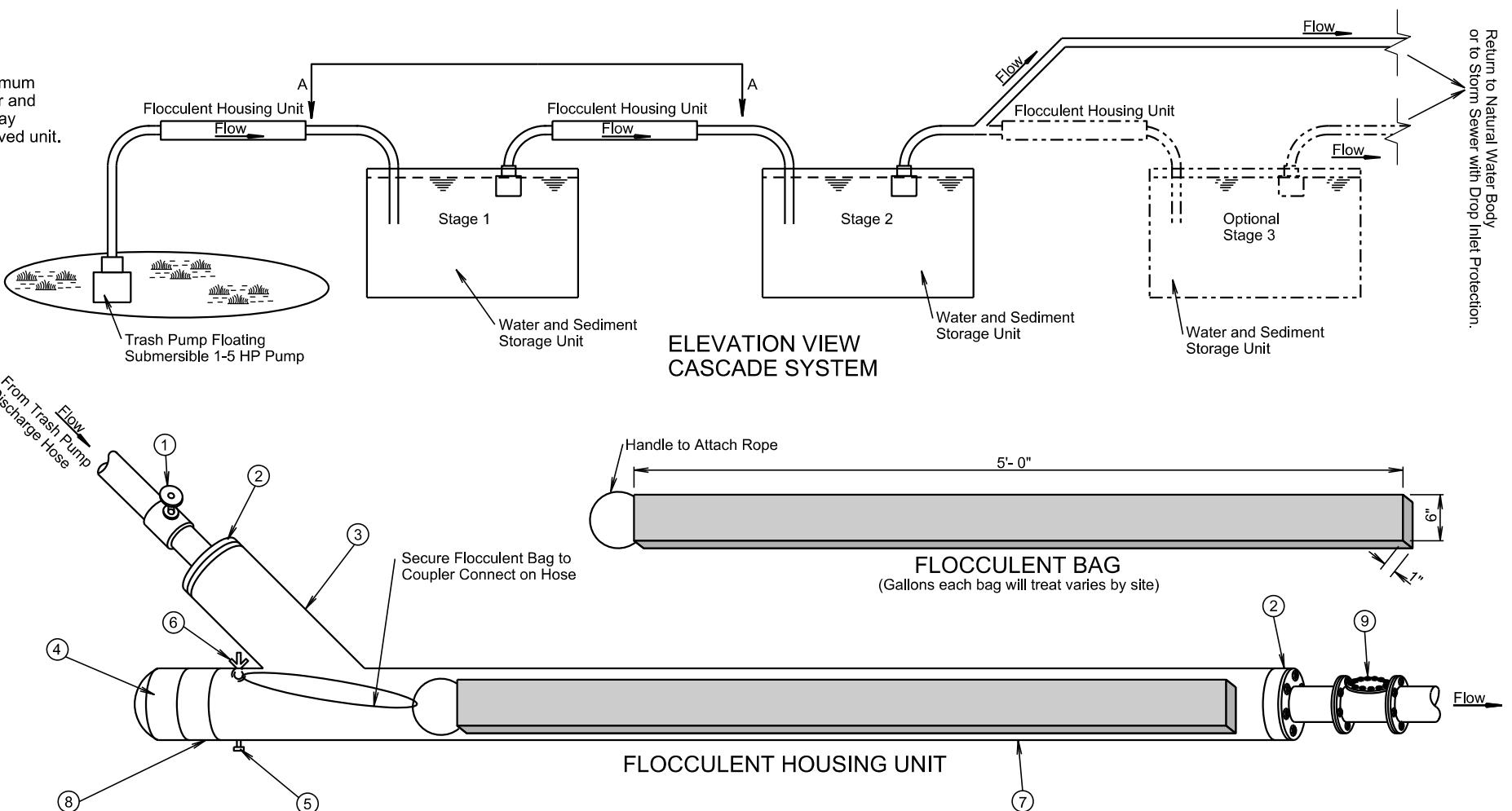
Tigerfloc
Floc Systems Inc.
Surrey, British Columbia
Phone: 1.604.343.2046
www.flocsystes.com

PORTABLE FLOCCULENT SYSTEMS

Eco Pond Rescue Water Wagon
Eco Pond Rescue LLC
Seminole, Florida
Phone: 1.727.412.4323
[www.ecopondrescue.com](http://ecopondrescue.com)

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

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



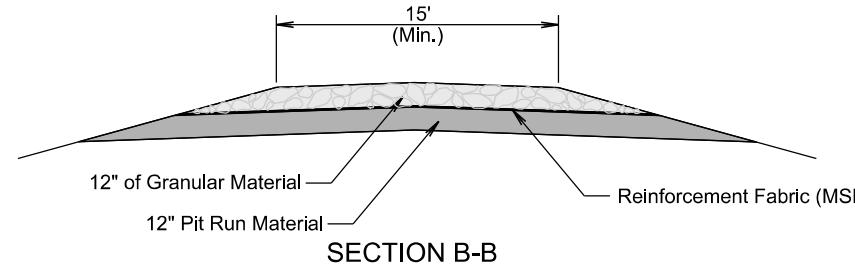
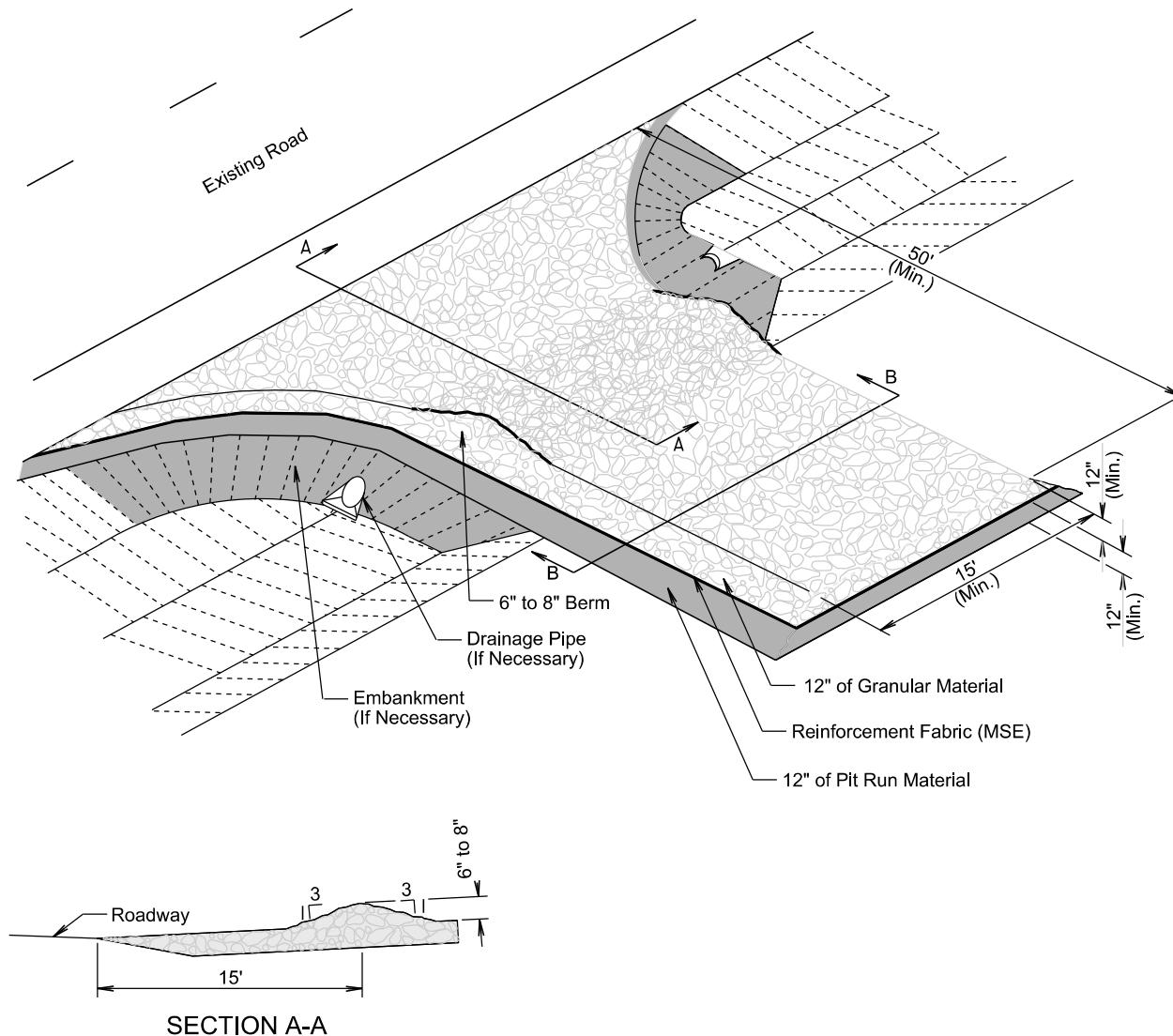
SDDOT CONSTRUCTION ENTRANCE

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT NH 0037(166)73 CR 0907(91)330	Plotting Date: 06/30/2025
		SHEET D28

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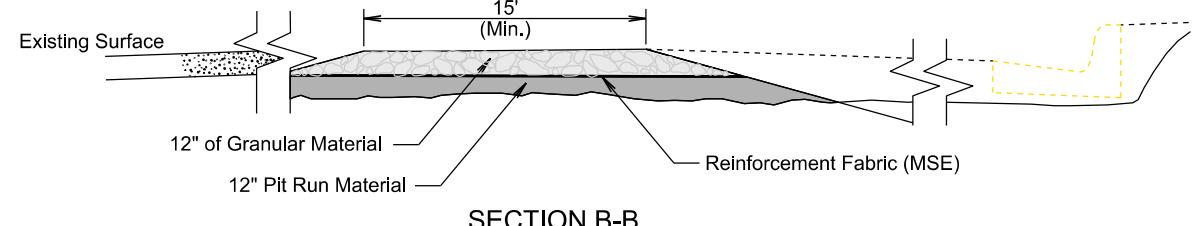
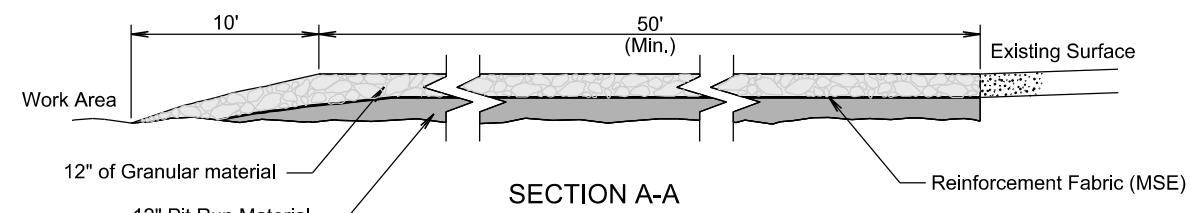
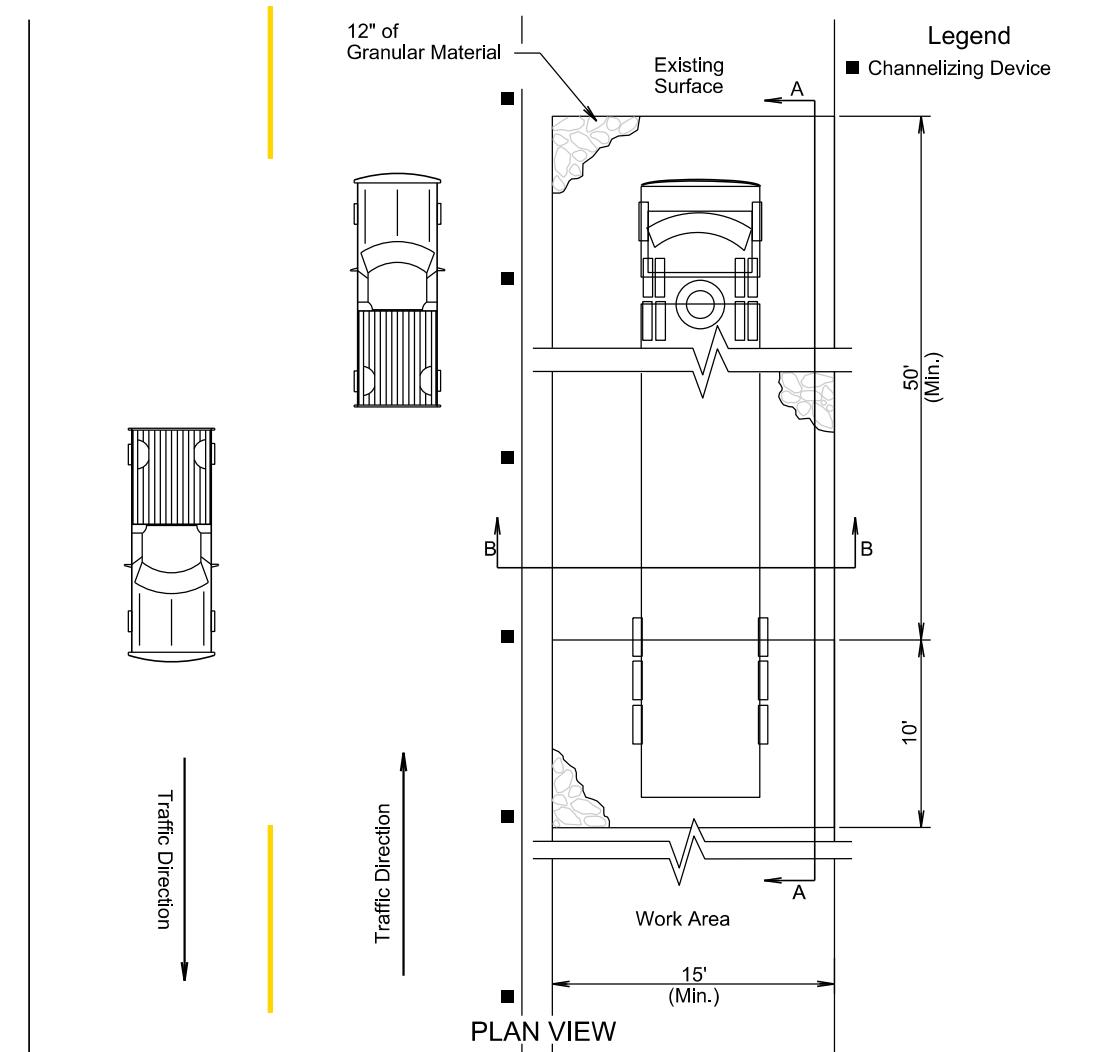


GENERAL NOTES:

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

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

If embankment is necessary it will be pit run material.



TRANSVERSE TO ROADWAY

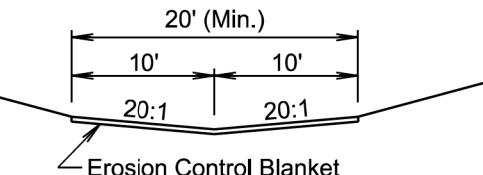
PARALLEL TO ROADWAY

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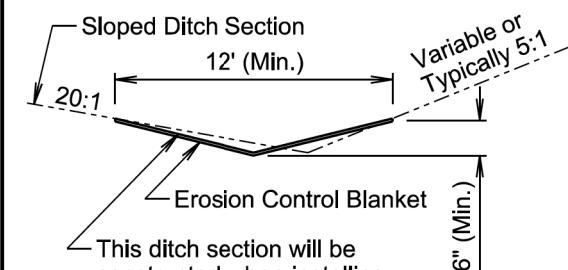
FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT NH 0037(166)73 CR 0907(91)330	Plotting Date: 06/30/2025
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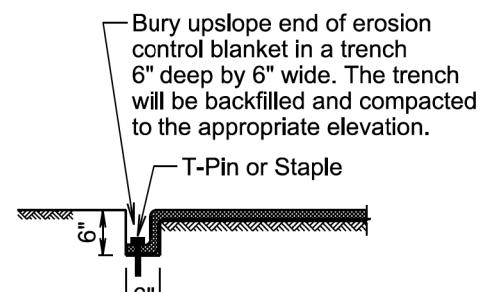
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STANDARD DITCH SECTION



SLOPED DITCH SECTION



TRENCH DETAIL

GENERAL NOTES:

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

Erosion control blanket will be unrolled in the direction of the flow of water when placed in ditches and on slopes. The up-slope 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 up-slope erosion control blanket placed on top of the down-slope erosion control blanket.

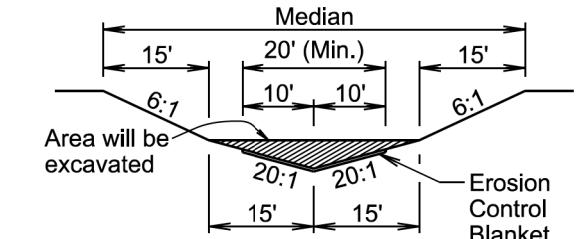
The erosion control blanket will be pinned to the ground according to the manufacturer's installation recommendations.

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".

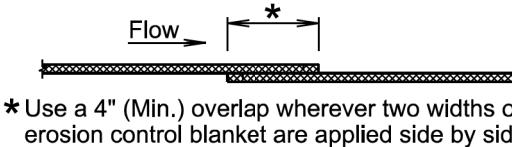
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The median will be shaped to the limits shown in this detail where the erosion control blanket will be placed.

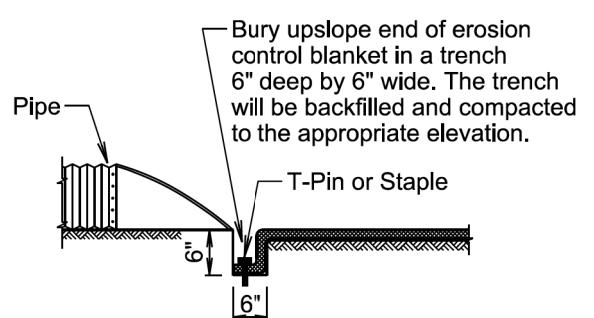
MEDIAN SECTION



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



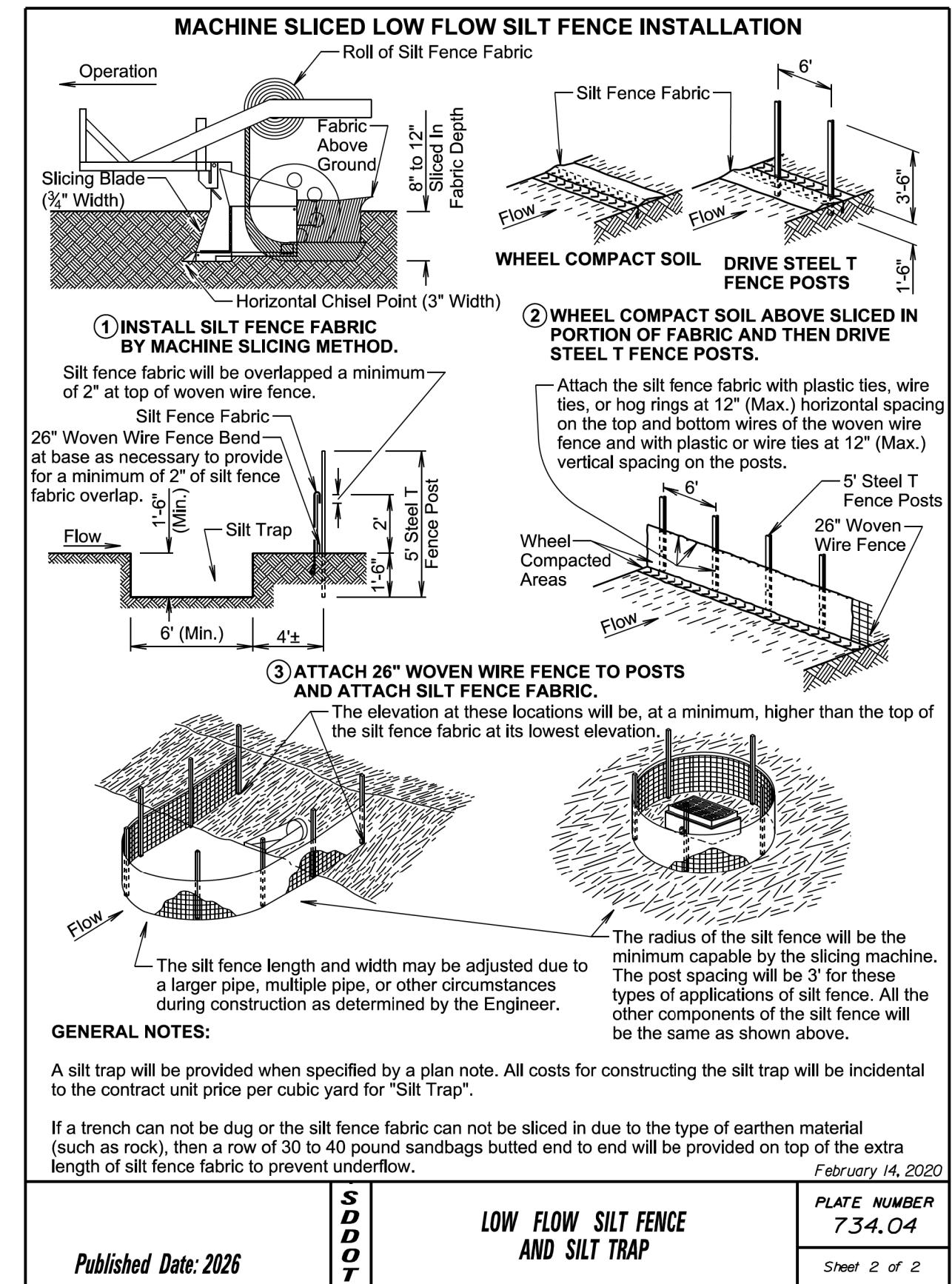
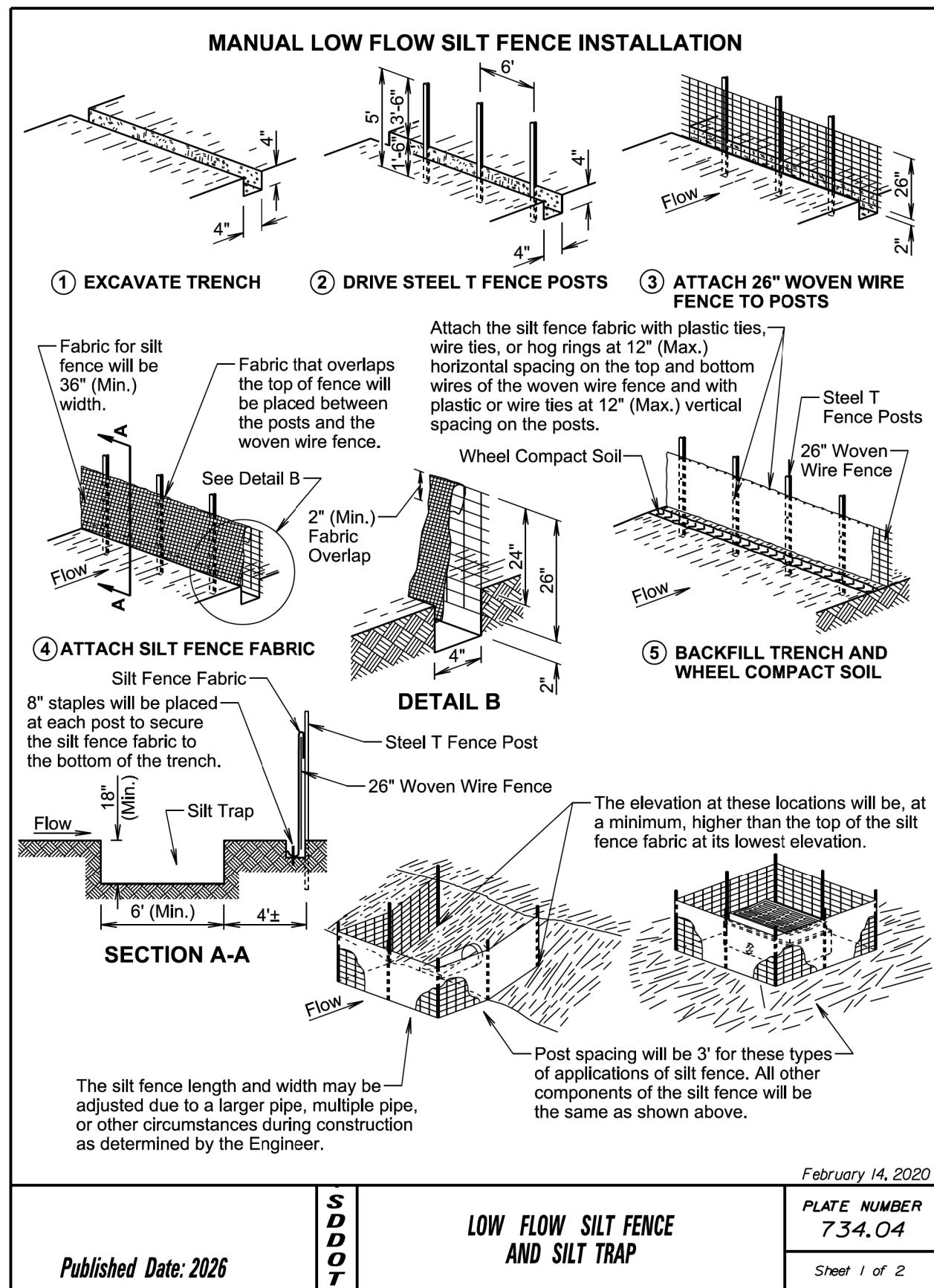
OVERLAP DETAIL



PIPE END DETAIL

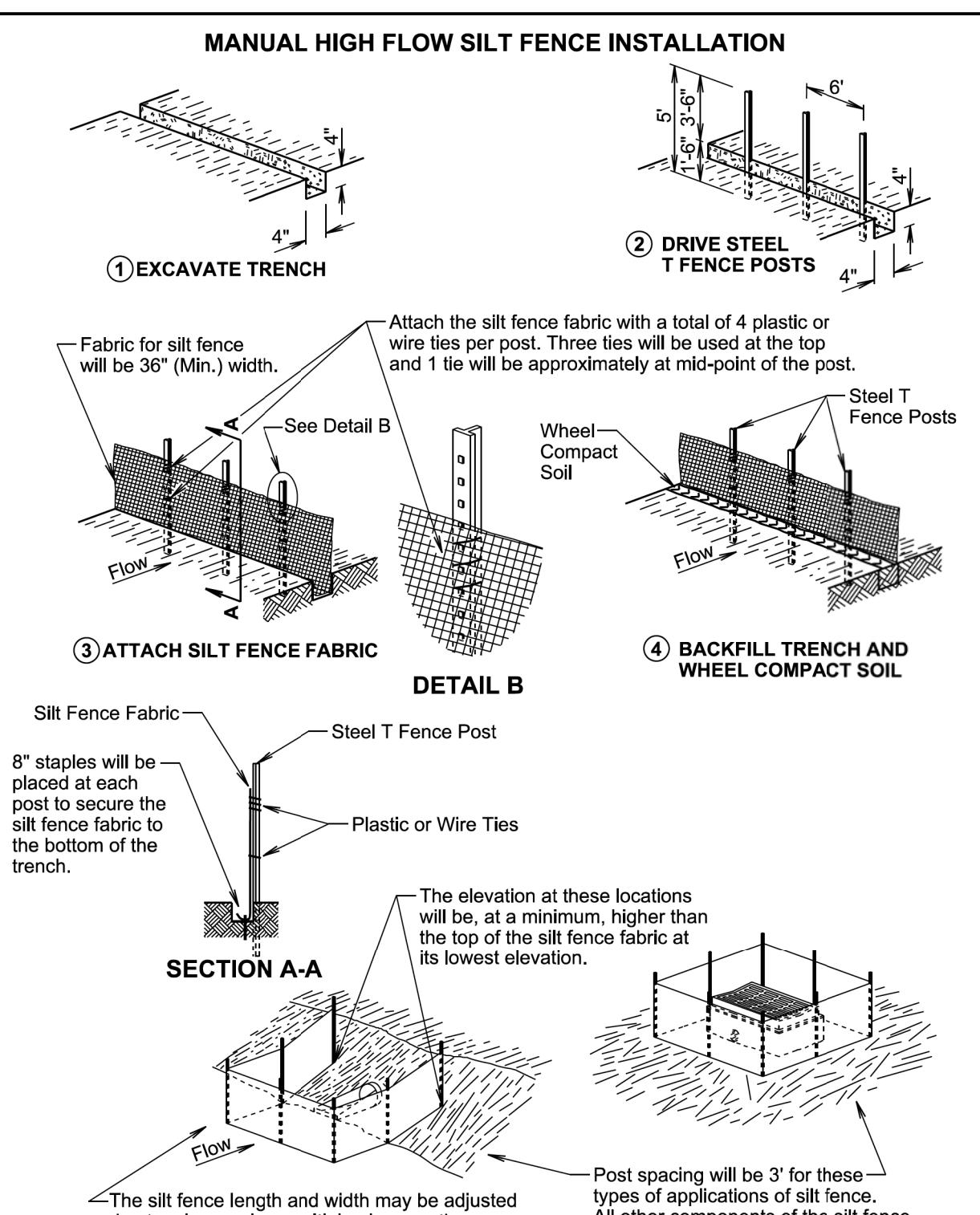
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MANUAL HIGH FLOW SILT FENCE INSTALLATION



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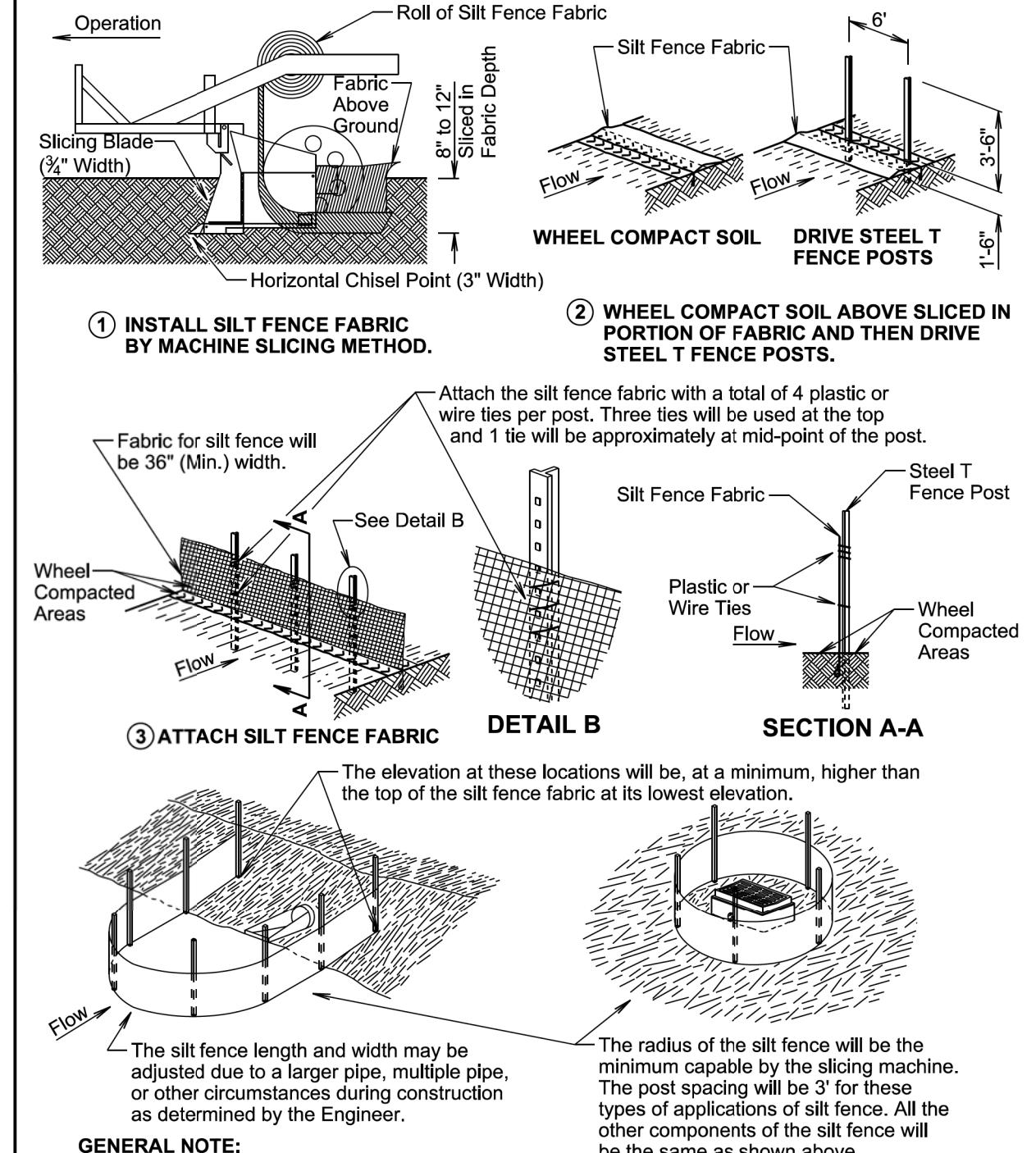
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HIGH FLOW SILT FENCE

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Sheet 1 of 2

MACHINE SLICED HIGH FLOW SILT FENCE INSTALLATION



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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HIGH FLOW SILT FENCE

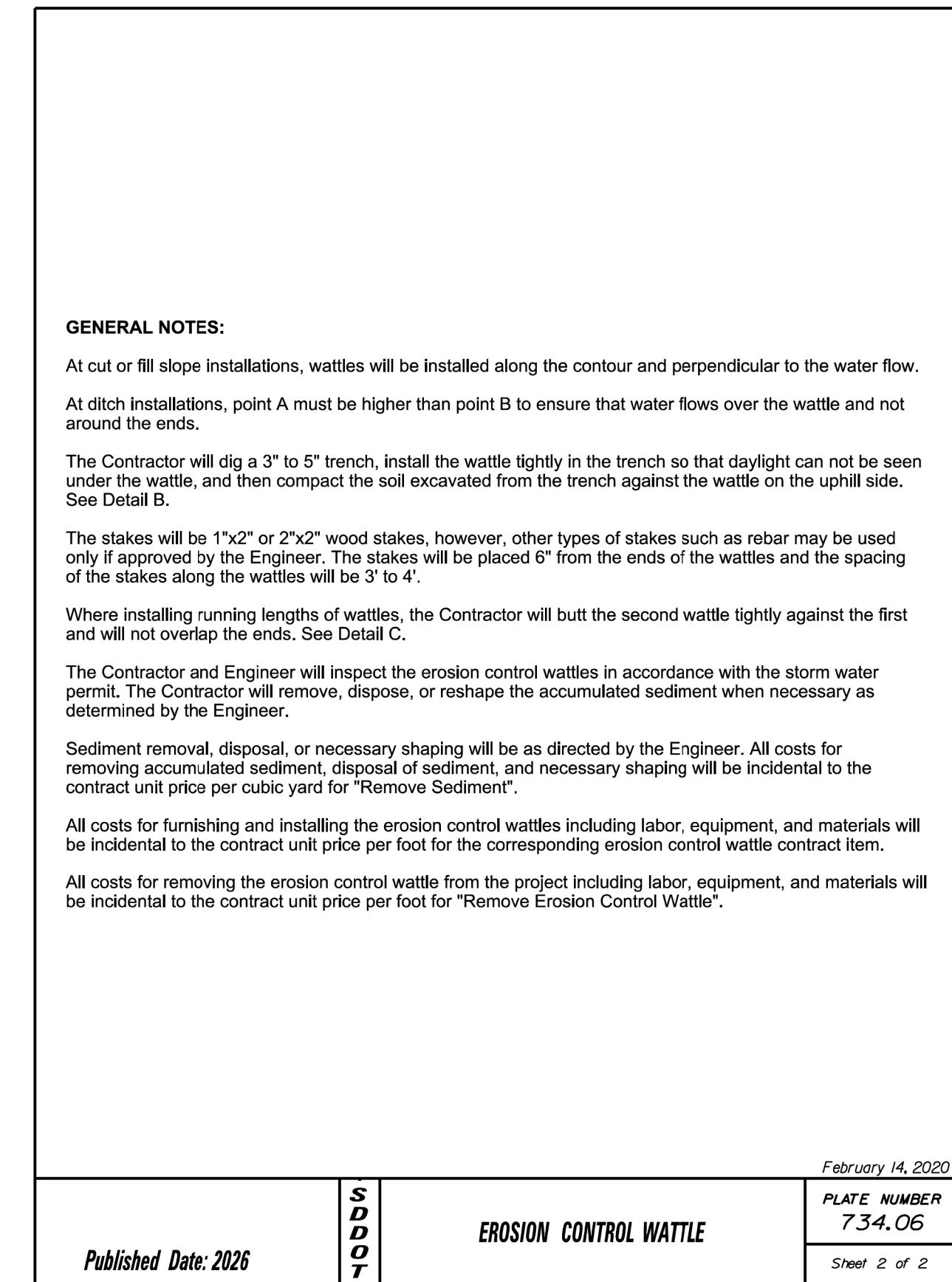
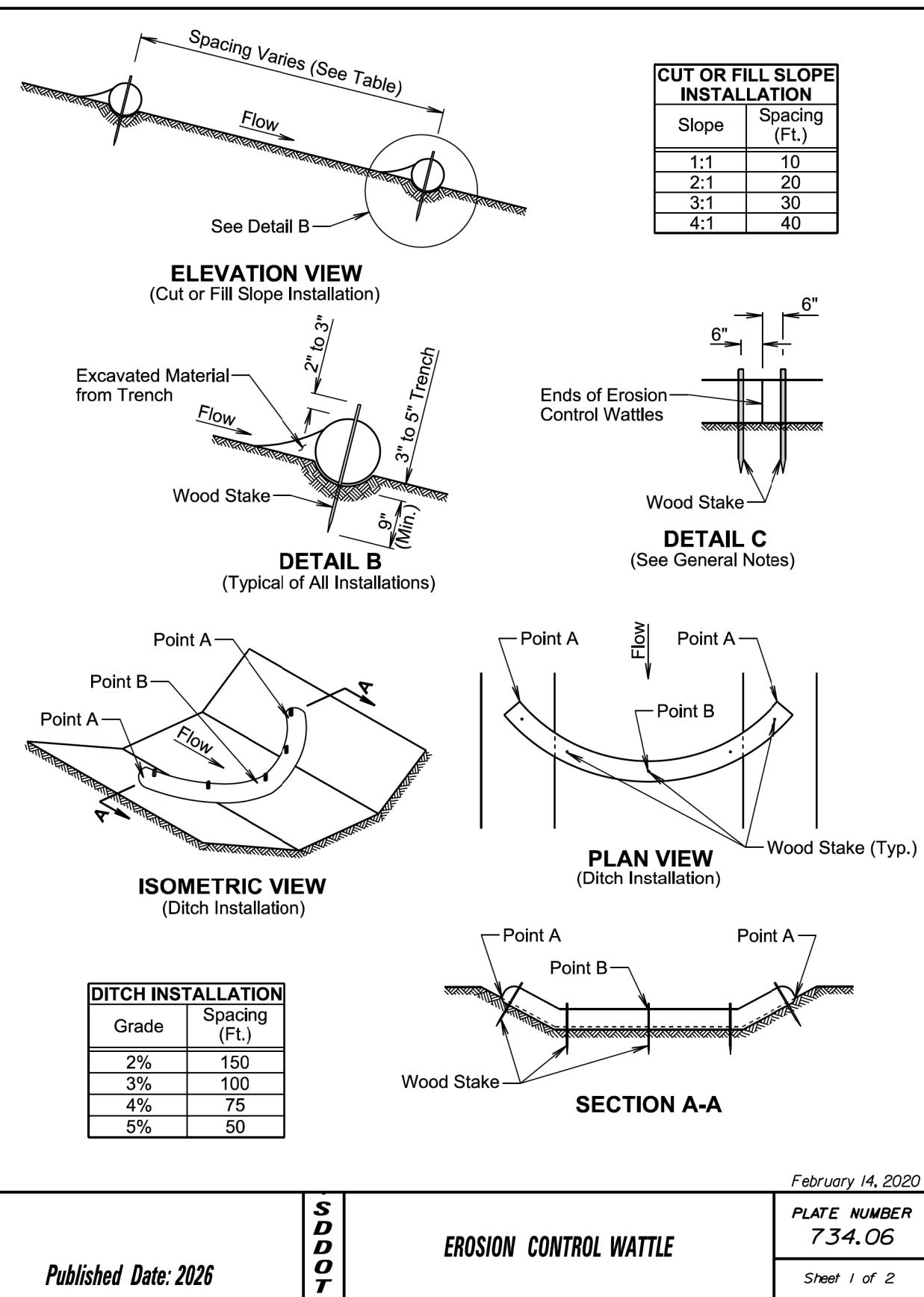
PLATE NUMBER
734.05

Sheet 2 of 2

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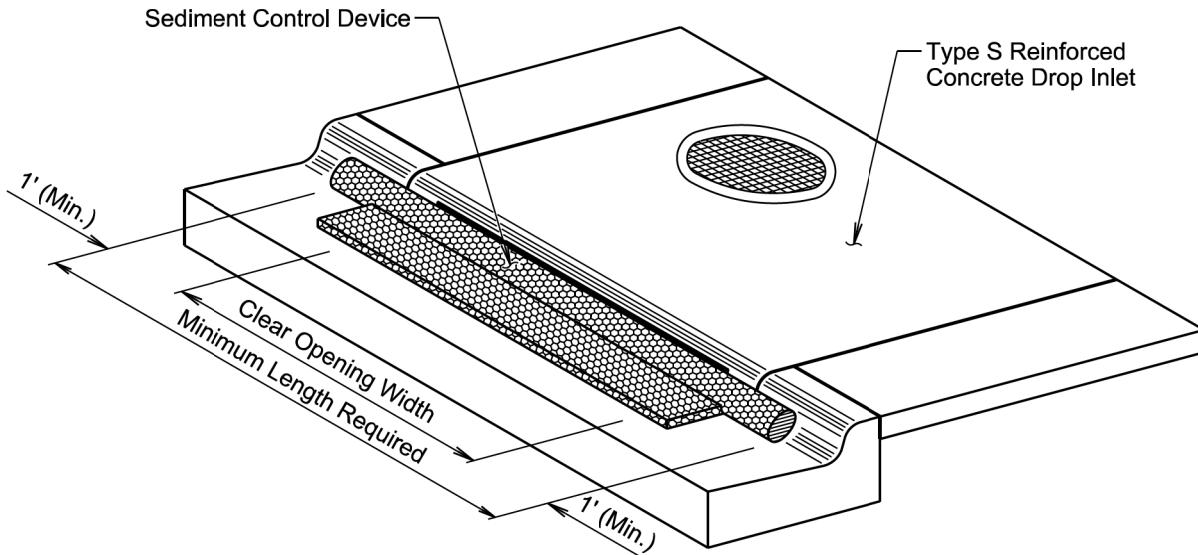
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STATE OF SOUTH DAKOTA	PROJECT NH 0037(166)73 CR 0907(91)330	Plotting Date: 06/30/2025
		SHEET D33

Plot Scale - 1:200



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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