

SECTION D: EROSION AND SEDIMENT CONTROL PLANS

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	HR Y505(01)	D1	D3

Plotting Date: 09/21/2015

LEGEND

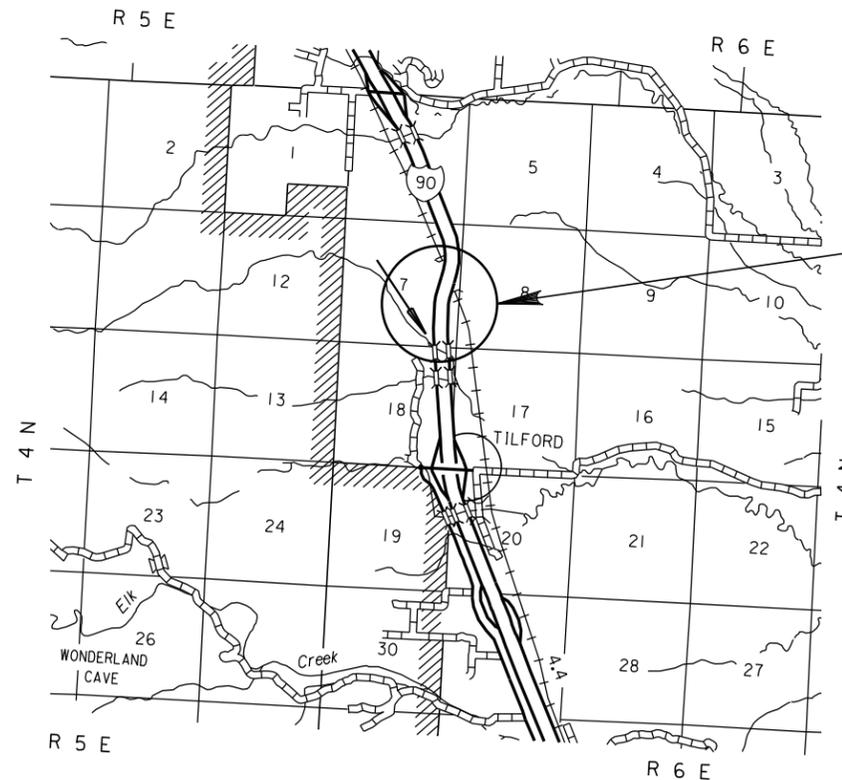
- Drainage Arrows
- ⊙ VB Vegetated Buffer Strips
- ⊙ CE Stabilized Construction Entrances
- ⊙ TS Topsoil Stockpiles
- ⊙ M On-Site Construction Material Storage Areas
- ⊙ D Dumpster or other Trash and Debris Containers
- ⊙ V Vehicle and Equipment Parking, Fueling, and Maintenance Areas

- ⊙ CP Concrete Plant Sites
- ⊙ CW Concrete Washouts
- ⊙ AP Asphalt Plant Sites
- ⊙ WP Work Platform
- ⊙ B Borrow Areas
- ⊙ SK Spill Kit

INDEX OF SHEETS

- D1 General Layout with Index
- D2 Estimate with General Notes
- D3 Standard Plate

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



PROJECT
Tilford Port of Entry
MRM 38.67 +0.377 (Approx.)
Eastbound Lanes



SECTION D ESTIMATE OF QUANTITIES

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT HR Y505(01)	SHEET D2	TOTAL SHEETS D3
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Plotting Date: 09/21/2015

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
7340010	Erosion Control	Lump Sum	LS

EROSION CONTROL

The Erosion Control bid item includes all material, equipment and labor required to place topsoil, seed and mulch the disturbed areas resulting from this project, and erosion control wattles for inlet protection at pipe. The disturbed area requiring erosion control is estimated to be 0.04 acres. The estimated quantity of erosion control wattles to provide sediment control at pipe inlets is 40 Ft.

The Contractor is required to furnish topsoil for placement on embankment. The estimated quantity of topsoil is 6.1 CuYd. See Section F Typical Surfacing Section and Guardrail Embankment Layout for limits of placing the topsoil.

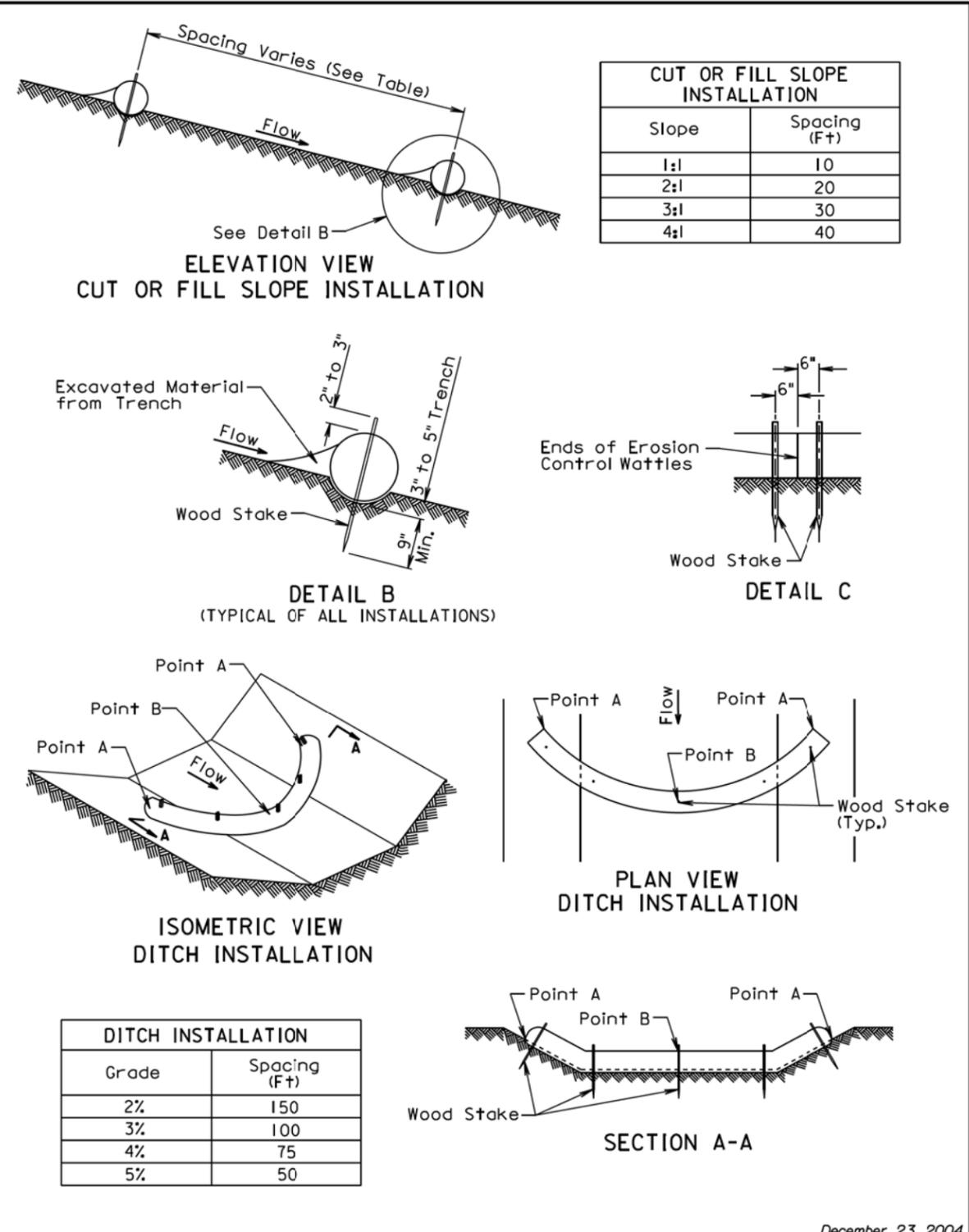
Limits of erosion control work will be determined by the Engineer on construction.

PERMANENT SEEDING

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

Permanent seed mixture shall consist of the following:

Grass Species	Variety	Pure Live Seed (PLS) (Pounds/1000 SqFt)
Western Wheatgrass	Arriba, Flintlock, Rodan, Rosana	1
Canada Wildrye	Mandan	0.2
Total:		1.2



December 23, 2004

S D D O T	EROSION CONTROL WATTLE	PLATE NUMBER 734.06
		Sheet 1 of 2

Published Date: 3rd Qtr. 2015

GENERAL NOTES:

At cut or fill slope installations, wattles shall 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 shall 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 shall 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 shall be placed 6" from the ends of the wattles and the spacing of the stakes along the wattles shall be 3' to 4'.

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

The Contractor and Engineer shall inspect the erosion control wattles once every week and within 24 hours after every rainfall event greater than 1/2". The Contractor shall remove, dispose, or reshape the accumulated sediment when necessary as determined by the Engineer.

Sediment removal, disposal, or necessary shaping shall be as directed by the Engineer. All costs for removing accumulated sediment, disposal of sediment, and necessary shaping shall 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 shall be incidental to the contract unit price per foot for the corresponding erosion control wattle bid item.

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

December 23, 2004

S D D O T	EROSION CONTROL WATTLE	PLATE NUMBER 734.06
		Sheet 2 of 2

Published Date: 3rd Qtr. 2015

Plot Scale - 1:200

Plotted From - TRPR17200

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