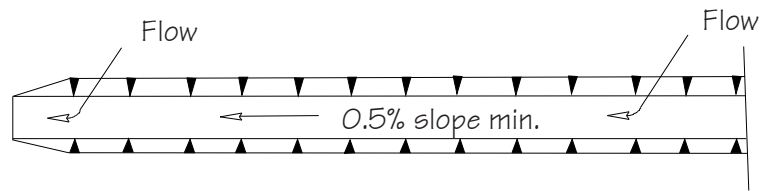


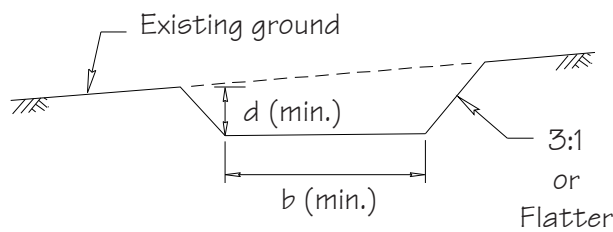
Standard Detail & Specifications

Temporary Swale

Discharge to be directed to sediment trapping device (or stable outlet for clean water).



Plan



	Type A (<u>< 5 ac.</u>)	Type B (<u>5-10 ac.</u>)
b - BOTTOM WIDTH	4'	6'
d - FLOW DEPTH	1'	1'

Typical Section

FLOW CHANNEL STABILIZATION CHART

Stabilization Method	Channel Grade	Type A	Type B
1	0.5-3.0%	Seed with stab. blanket	Seed with stab. blanket
2	3.1-5.0%	Seed with stab. blanket	Seed using stab. blanket; sod; DE #2 stone
3	5.1-8.0%	Seed with stab. blanket; sod; DE #2 stone	Lined R-4 riprap
4	8.1-20%	Lined R-4 riprap	Engineering design

- a. Stone to be DE #2 inch stone in a layer at least 3 inches in thickness and underlain with GS-I geotextile.
- b. Riprap to be R-4 in a layer at least 8 inches thickness and and underlain with GS-I geotextile.

Source:

Adapted from
MD Stds. & Specs. for ESC

Symbol:

—TS- (A/B)(1-4)—→

Detail No.

DE-ESC-3.3.1

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Standard Detail & Specifications

Temporary Swale

Construction Notes:

1. All temporary swales shall have uninterrupted positive grade to an outlet with a minimum of erosion.
2. Diverted runoff from a disturbed area shall be conveyed to a sediment trapping device.
3. Diverted runoff from an undisturbed area shall outlet directly into an undisturbed stabilized area at a non-erosive velocity.
4. All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the swale.
5. The swale shall be excavated or shaped to line, grade, and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow.
6. Fills shall be compacted by earth moving equipment.
7. All earth removed and not needed on construction shall be placed so that it will not interfere with the functioning of the swale.
8. Inspection and required maintenance shall be provided after each rain event.

Source:

Adapted from
MD Stds. & Specs. for ESC

Symbol:

—TS- (A/B)(1-4)—→

Detail No.

DE-ESC-3.3.1

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