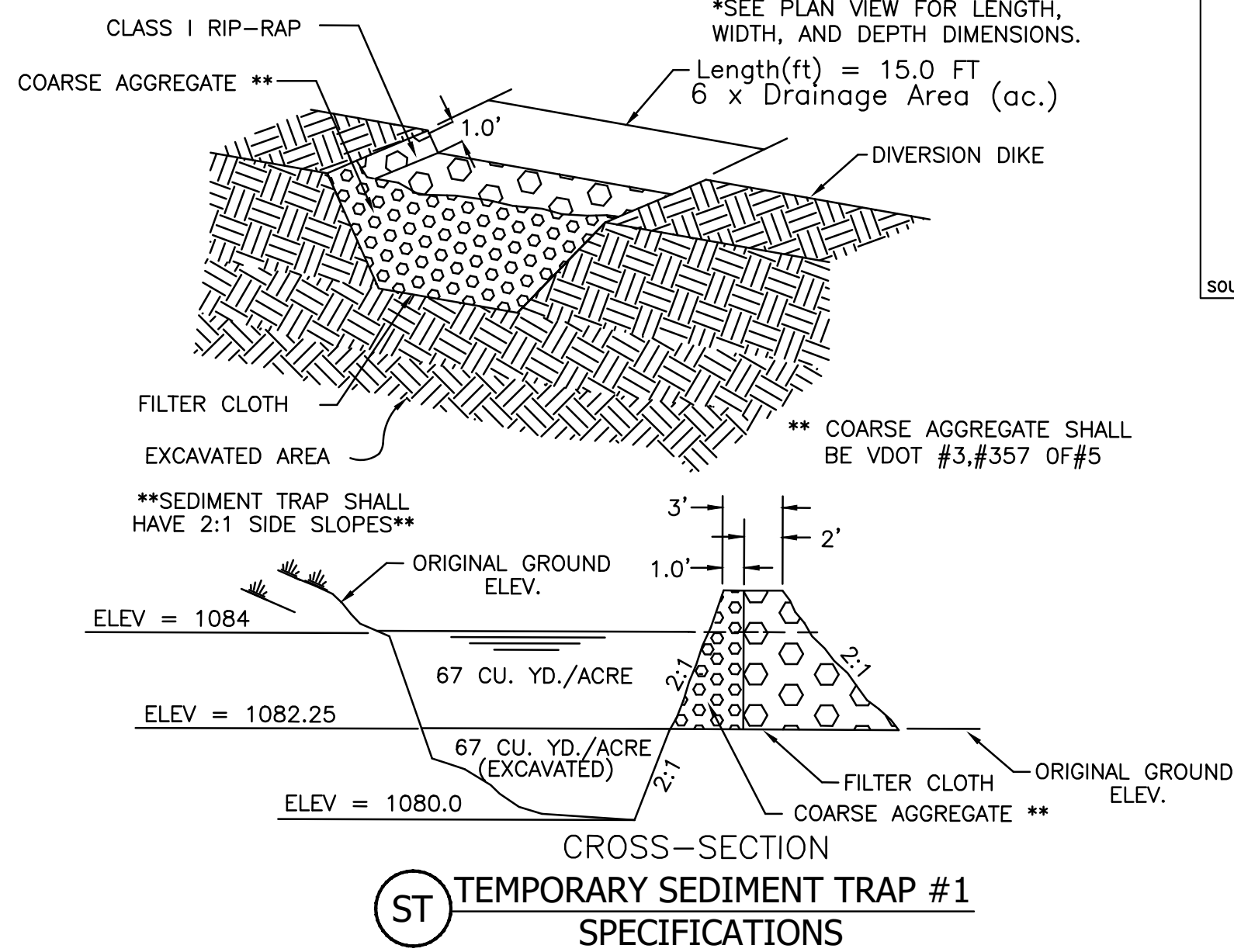


## SEDIMENT TRAP SUMMARY TABLE

DRAINAGE AREA ID	ST-1	ST-2
TOTAL DRAINAGE AREA SIZE	2.40 AC	1.75 AC
BOTTOM/TOP LENGTH	52LF/68LF	61LF/73LF
BOTTOM/TOP WIDTH	37LF/53LF	36LF/48LF
DEPTH	4'	3'
BERM HEIGHT	1'	1'
WEIR LENGTH	15 LF	11 LF
WEIR HEIGHT	1'	1'
STORAGE REQUIRED (CY)	161 WET - 161 DRY	117 WET - 117 DRY
STORAGE PROVIDED (CY)	199 WET - 208 DRY	140 WET - 170 DRY

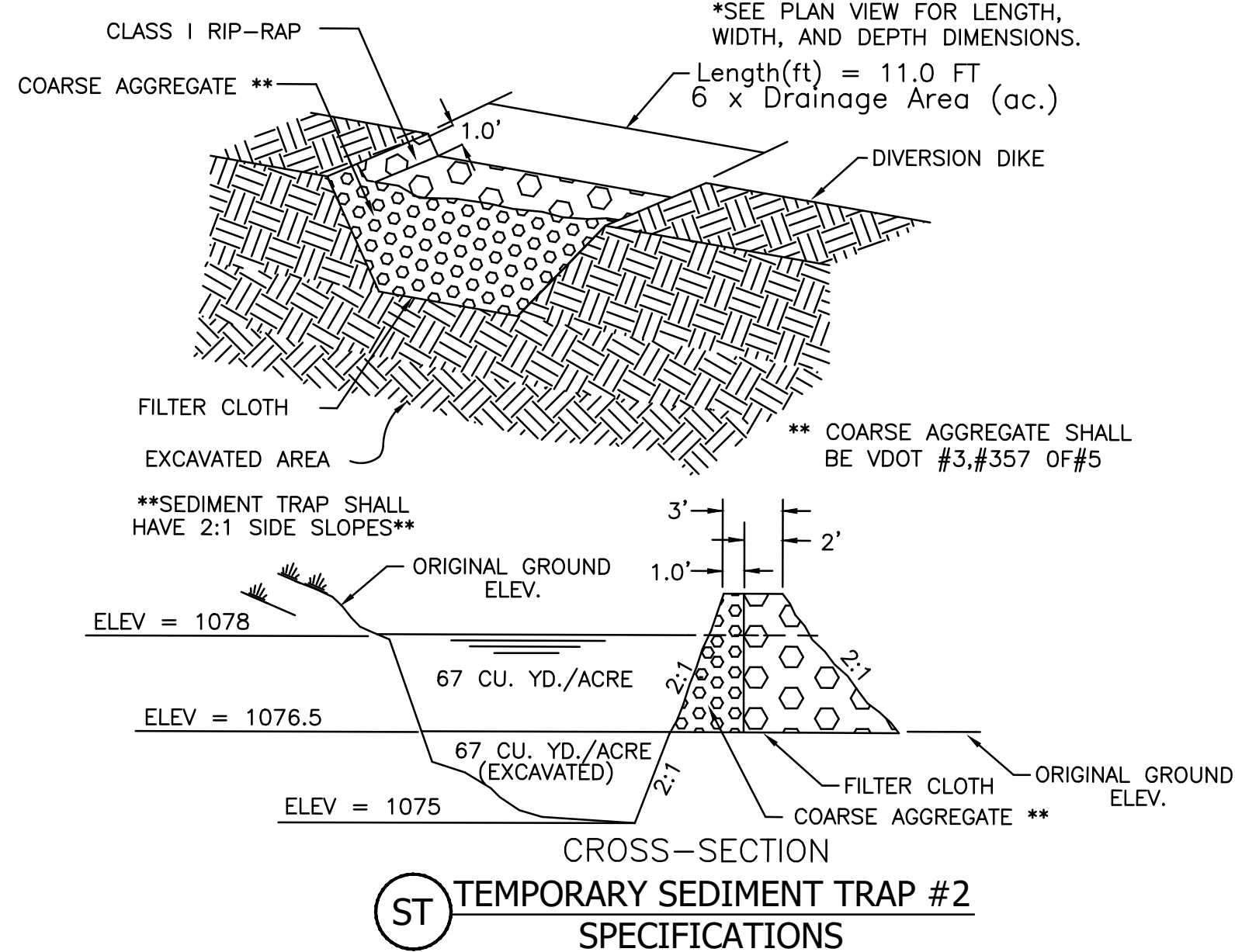
### SEDIMENT TRAP #1 DETAIL

\* SEE PLATE 3.13-1

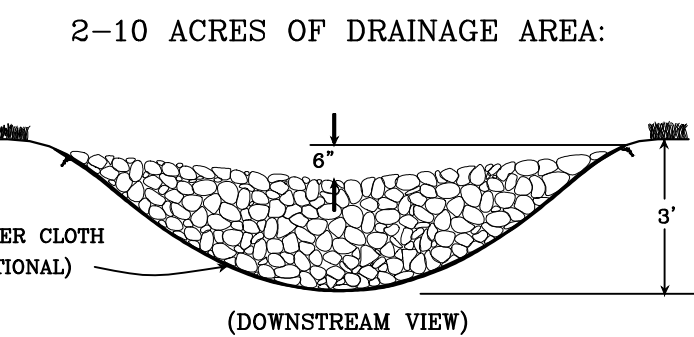
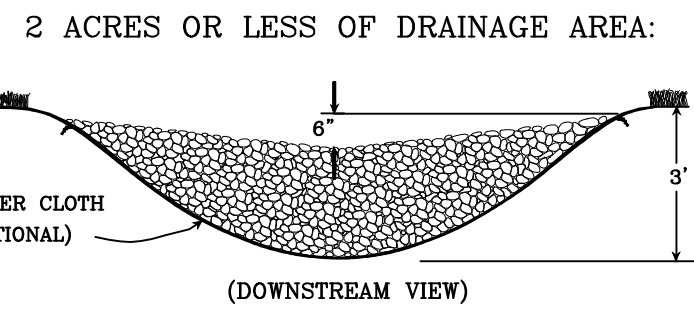


### SEDIMENT TRAP #2 DETAIL

\* SEE PLATE 3.13-1



## ROCK CHECK DAM



SOURCE: VA, DSWC PLATE: 3.20-1

## TEMPORARY SEEDING SPECIFICATIONS

TABLE 3.31-B (Revised June 2003) TEMPORARY SEEDING SPECIFICATIONS QUICK REFERENCE FOR ALL REGIONS		
APPLICATION DATES	SPECIES	APPLICATION RATES
Sept. 1 - Feb. 15	50/50 Mix of Annual Ryegrass (lolium multi-florum) & Cereal (Winter) Rye (Secale cereale)	50 - 100 (lb/acre)
Feb. 16 - Apr. 30	Annual Ryegrass (lolium multi-florum)	60 - 100 (lb/acre)
May 1 - Aug. 31	German Millet	50 (lb/acre)

FERTILIZER & LIME		
<ul style="list-style-type: none"> <li>Apply 10-10-10 fertilizer at a rate of 450 lbs./acre (or 10 lbs./1,000 sq. ft.)</li> <li>Apply Pulverized Agricultural Limestone at a rate of 2 tons/acre (or 90 lbs./1,000 sq. ft.)</li> </ul>		

NOTE:

- A soil test is necessary to determine the actual amount of lime required to adjust the soil pH of site.
- Incorporate the lime and fertilizer into the top 4-6 inches of the soil by disking or by other means.
- When applying Slowly Available Nitrogen, use rates available in *Erosion & Sediment Control Technical Bulletin #4, 2003* Nutrient Management for Development Sites at <http://www.dor.state.va.us/wes&a.htm#p4a>

## PERMANENT SEEDING SPECIFICATIONS

TABLE 3.33-C (Revised June 2003) PERMANENT SEEDING SPECIFICATIONS FOR APPALACHIAN/MOUNTAIN AREA				
LAND USE	SPECIES	APPLICATION RATES		
Minimum Care Lawn (Commercial or Residential)	Tall Fescue <sup>1</sup> Perennial Ryegrass <sup>2</sup> Kentucky Bluegrass <sup>3</sup>	50-100 lb 6-10% 6-10%	TOTAL: 200-250 lbs	
High-Maintenance Lawn	Minimum of three (3) up to five (5) varieties of Kentucky Bluegrass from approved list for use in Virginia <sup>4</sup>	128 lbs 2 lbs 20 lbs	TOTAL: 150 lbs	
General Slope (2:1 or less)	Tall Fescue <sup>1</sup> Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop <sup>5</sup>	128 lbs 2 lbs 20 lbs	TOTAL: 150 lbs	
Low-Maintenance Slope (Steeper than 2:1)	Tall Fescue <sup>1</sup> Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop <sup>5</sup> Crownvetch <sup>6</sup>	128 lbs 2 lbs 20 lbs 100 lbs	TOTAL: 150 lbs	

NOTE:

- When selecting varieties of turfgrass, use the Virginia Turfgrass Association (VTA) recommended turfgrass variety list. Quality seed will bear a label indicating that they are approved by VTA. A current turfgrass variety list is available at the local County Extension office or through VTA at 804-749-4894 or at <http://www.vta.org>
- Perennial Ryegrass will germinate faster and at lower soil temperatures than Tall Fescues, thereby providing cover and erosion resistance for seedbed.
- Use seasonal nurse crop in accordance with seeding dates as listed below:  
March-April: May 10<sup>th</sup> Annual Rye  
May 10<sup>th</sup> - August 10<sup>th</sup> Fodder Millet  
August 10<sup>th</sup> - September, October Annual Rye  
November - February Winter Rye
- All legume seed must be properly inoculated. If Fescue is used, increase to 50 lbs/acre. If Weeping Lovegrass is used, include in any slope or low maintenance mixture during warmer seeding periods, increase to 30-40 lbs/acre.

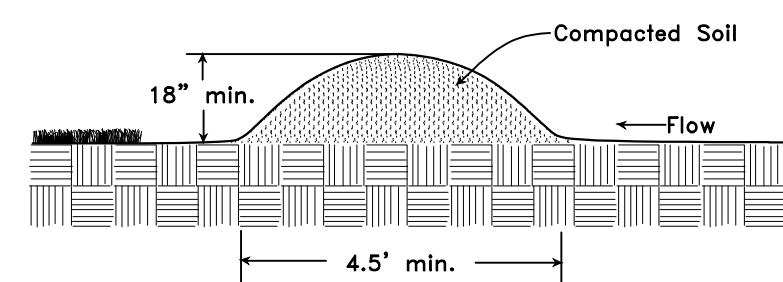
## FERTILIZER SPECIFICATIONS AND RATES FOR MANAGEMENT

C. When applying maintenance fertilizer on established sod.				
Pounds of nitrogen per 1,000 sq. ft. if the fertilizer is less than 50 percent WIN				
Month	Tall Fescue Perennial Rye	Kentucky Bluegrass	Bermudagrass	Zoysiagrass
September	1	1	0	0
October	1	1	0	0
Early November	0	0	0	0
April	0	0	0	0
May	0-0.5	0-0.05	1	1
June	0	0	1	0
July/August	0	0	0	1
Yearly Lbs. N/1000 sf	2.5	2.5	2	2

Pounds of nitrogen per 1,000 sq. ft. if the fertilizer is more than 50 percent WIN				
Month	Tall Fescue Perennial Rye	Kentucky Bluegrass	Bermudagrass	Zoysiagrass
August 15	1.5	1.5	0	0
October 1	1.5	1.5	0	0
April	0	0	1.5	1.5
May 15	0	0	0	0
June	0	0	1.5	1.5
Yearly Lbs. N/1000 sf	3	3	3	3

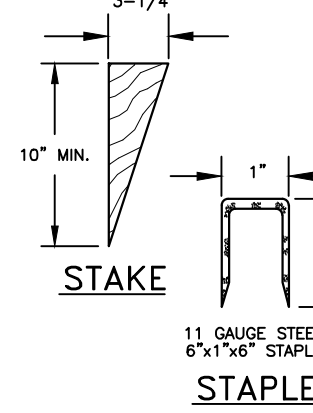
## TEMPORARY DIVERSION DIKE



SOURCE: VA, DSWC

PLATE: 3.09-1

## STAKES, STAPLES, & PINS FOR INSTALLATION OF TREATMENT - 2 SOIL STABILIZATION MATTING

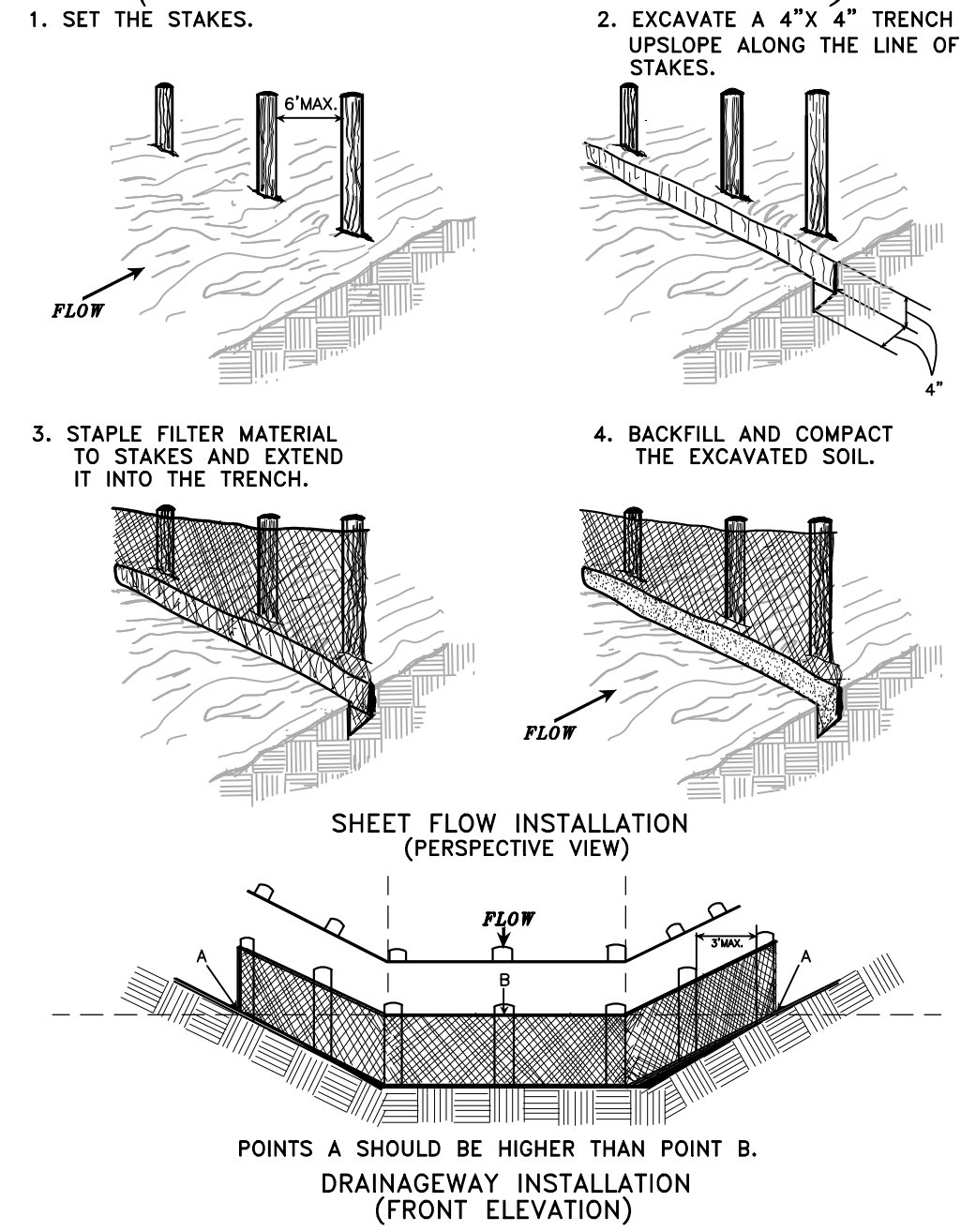


- 1 1/4" TRIANGULAR SURVEY STAKE - MINIMUM 10" IN LENGTH. PLACEMENT OF THE STAKE ACROSS THE FLOW OF THE WATER IS THOUGHT TO PROVIDE A TRINAIL EFFECT TO HELP SLOW THE VELOCITY.
- 11 GAUGE STEEL - MINIMUM 1" WIDE BY 6" IN LENGTH STEEL STAPLE - 2"x4" STAPLE MAY BE REQUIRED IN CERTAIN SOIL CONDITIONS.
- STEEL PINS - 3/16" DIAMETER STEEL PIN BY 18" IN LENGTH WITH A 2" DIAMETER WASHER ON TOP. (SEE ILLUSTRATION)

SOURCE: PRODUCT LITERATURE FROM GREENSTREAK, INC.

PLATE: 3.36-3

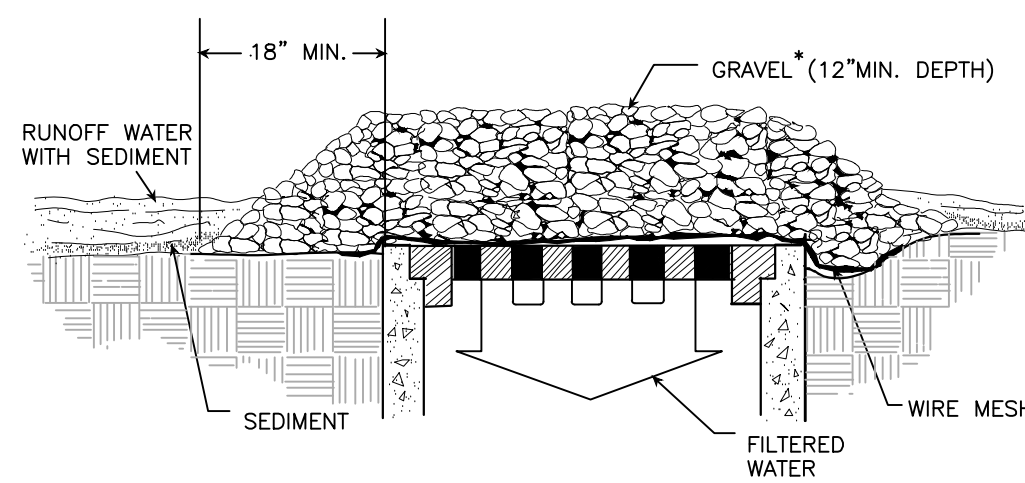
## CONSTRUCTION OF A SILT FENCE (WITHOUT WIRE SUPPORT)



SOURCE: Adapted from *Installation of Straw and Fabric Filter Barriers for Sediment Control*, VA, DSWC Shawwood and Wynn

PLATE: 3.05-2

## GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER



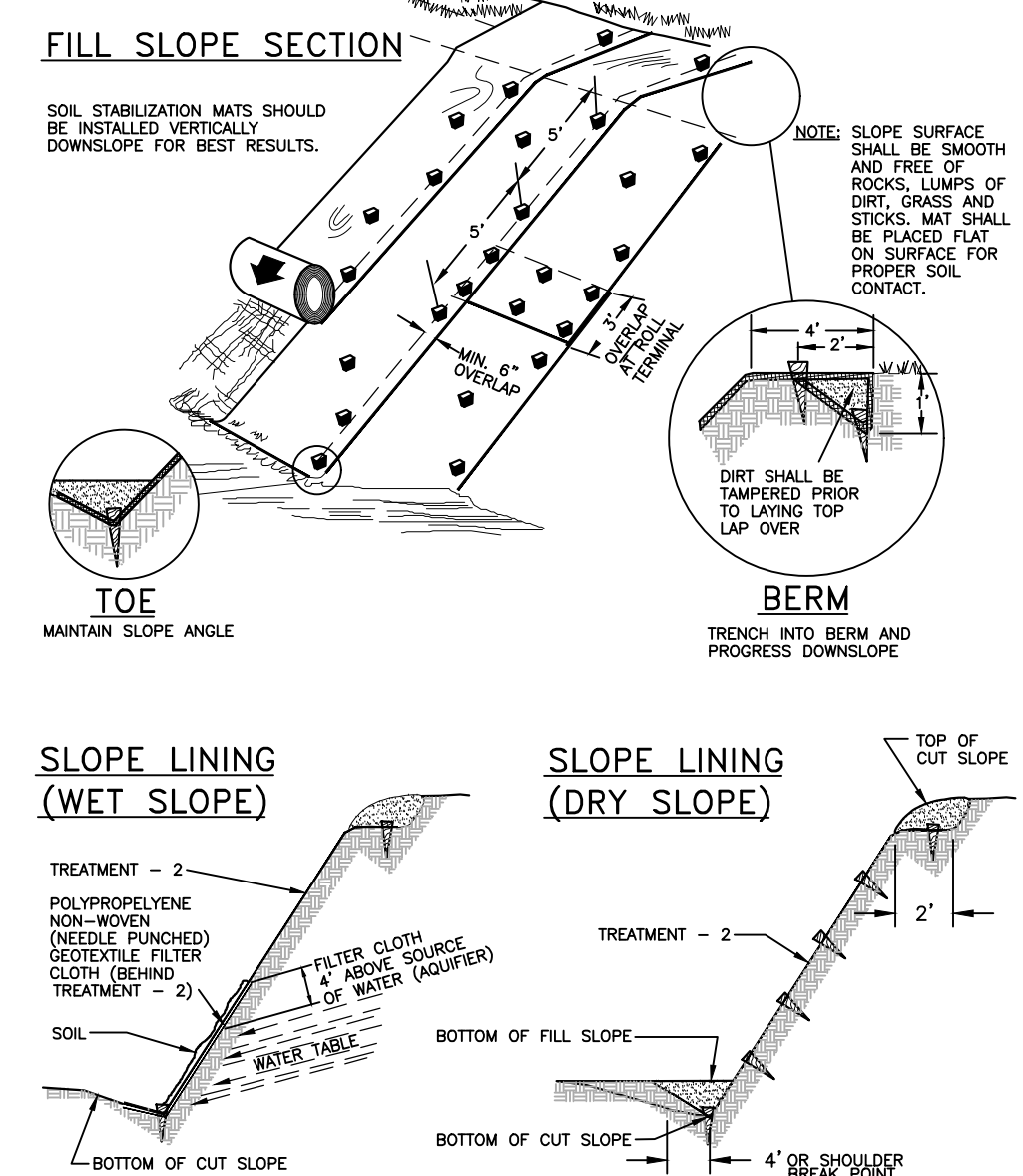
### SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

\* GRAVEL SHALL BE VDOT #3, #357 OR #5 COARSE AGGREGATE.

SOURCE: VA, DSWC PLATE: 3.07-2

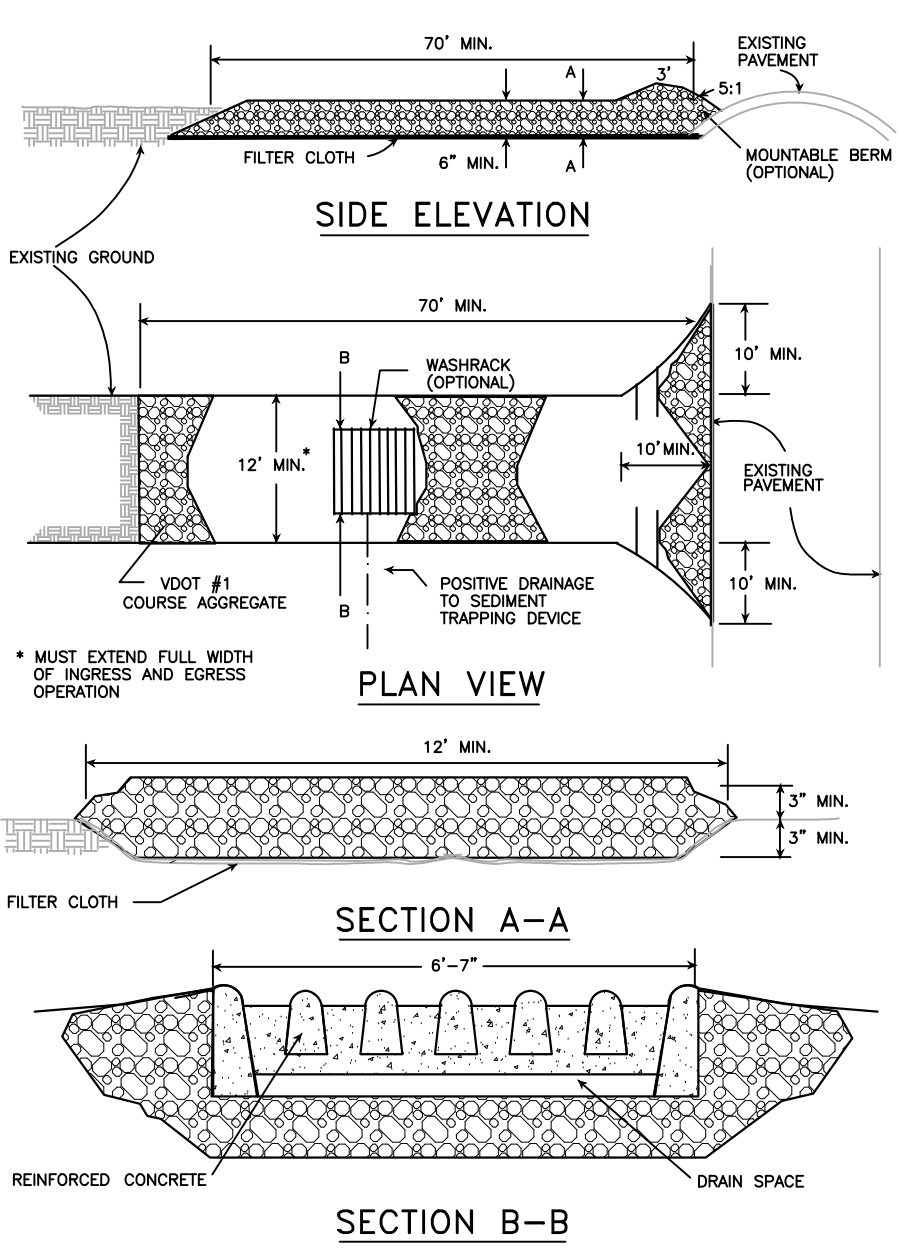
## TYPICAL TREATMENT - 2 SOIL STABILIZATION MATTING SLOPE INSTALLATION



SOURCE: VDOT ROAD AND BRIDGE STANDARDS

PLATE: 3.36-5

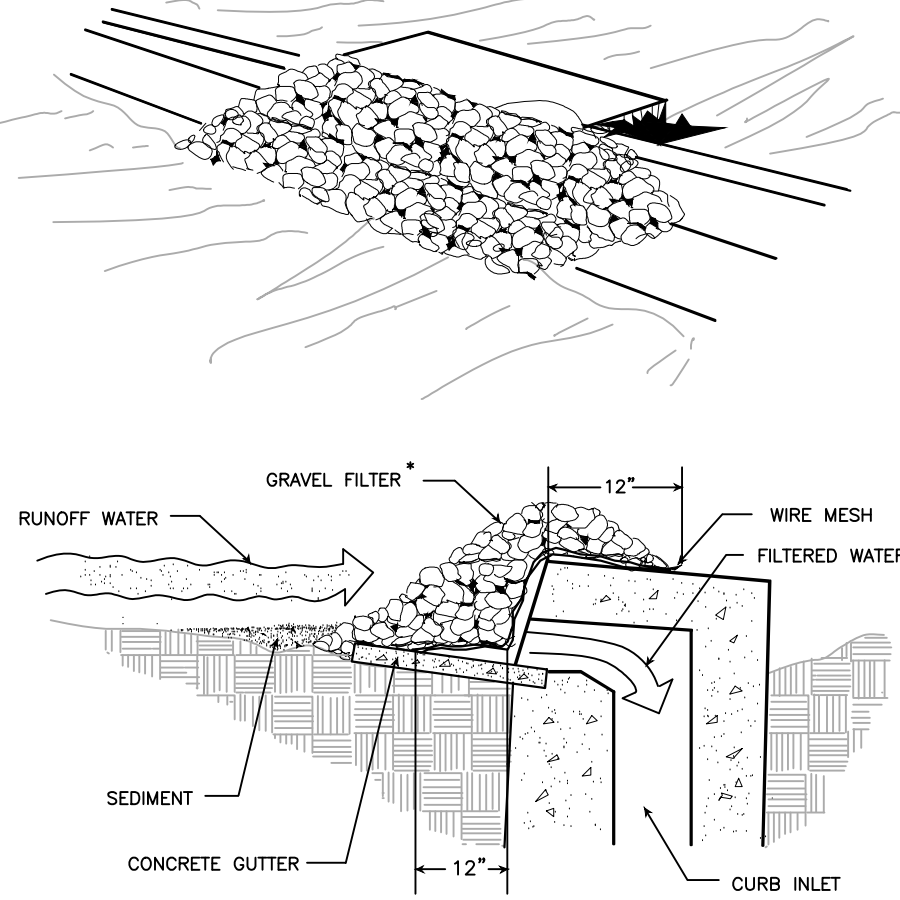
## STONE CONSTRUCTION ENTRANCE



SOURCE: ADAPTED FROM 1983 Maryland Standards for Soil erosion and Sediment Control, and Va. DSWC

PLATE: 3.02-1

## GRAVEL CURB INLET SEDIMENT FILTER



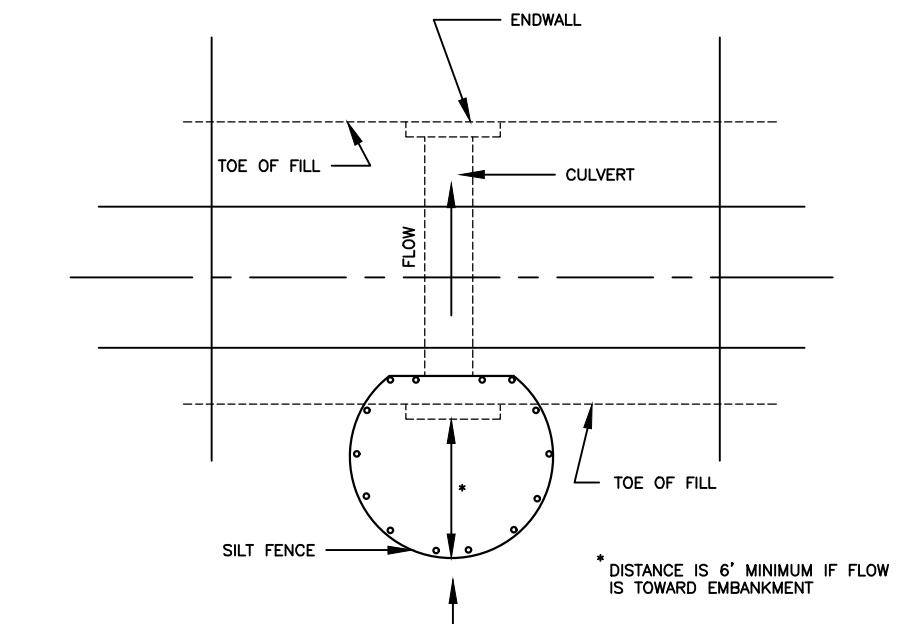
### SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

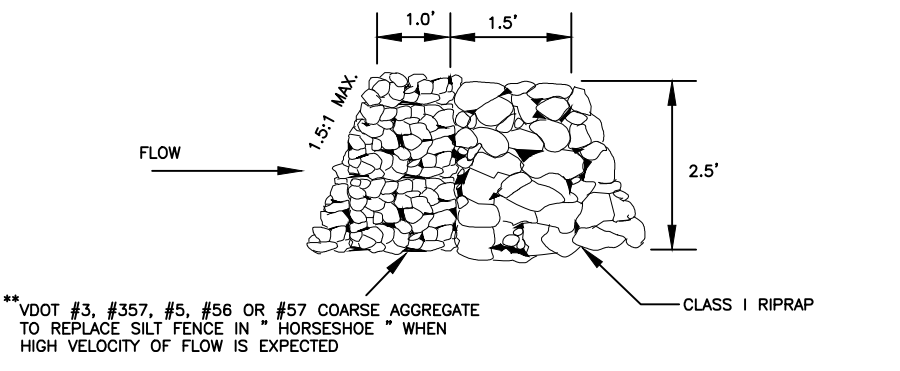
\* GRAVEL SHALL BE VDOT #3, #357 OR 5 COARSE AGGREGATE.

SOURCE: VA, DSWC PLATE: 3.07-6

## SILT FENCE CULVERT INLET PROTECTION



## OPTIONAL STONE COMBINATION\*\*



\*\*VDOT #3, #357, #5, #59 OR #57 COARSE AGGREGATE TO REPLACE SILT FENCE IN "HORSESHOE" WHEN HIGH VELOCITY OF FLOW IS EXPECTED

SOURCE: ADAPTED FROM VDOT Standard Sheets and Va. DSWC

PLATE: 3.08-1



**BALZER & ASSOCIATES**  
PLANNERS / ARCHITECTS  
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1208 Corporate Circle  
Roanoke, VA 24018  
540.772.9580



SOUTHERN TEAM HYUNDAI

E.S.C. DETAILS

DRAWN BY: KAM  
DESIGNED BY: BTC  
CHECKED BY: BTC  
DATE: 5/16/2022  
SCALE: N/A  
REVISIONS:  
6/28/2022

7300 WILLIAMSON ROAD  
ROANOKE COUNTY, VIRGINIA

**C7.5**  
PROJECT NO. 04220008.00