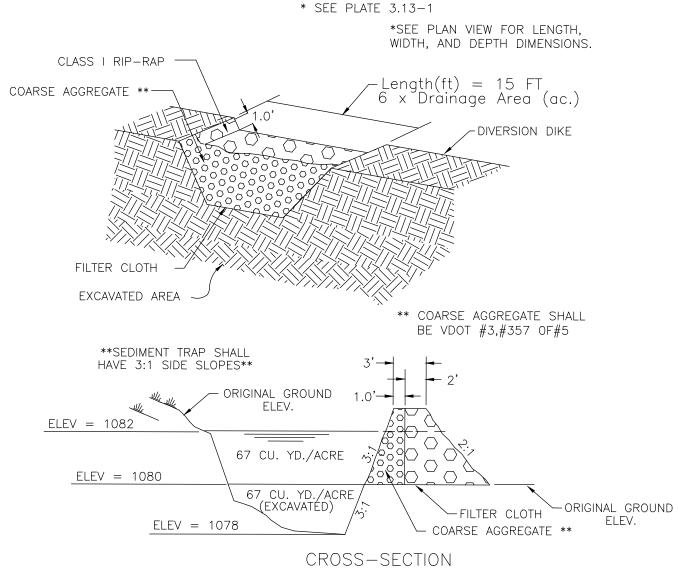


SEDIMENT TRAP SUMMARY TABLE DRAINAGE AREA ID ST-1TOTAL DRAINAGE AREA SIZE 2.39 AC BOTTOM/TOP LENGTH 35LF/59LF BOTTOM/TOP WIDTH 25LF/49LF DEPTH 4' BERM HEIGHT WEIR LENGTH 15 LF WEIR HEIGHT 1.5 STORAGE REQUIRED (CY) 160 WET - 160 DRY

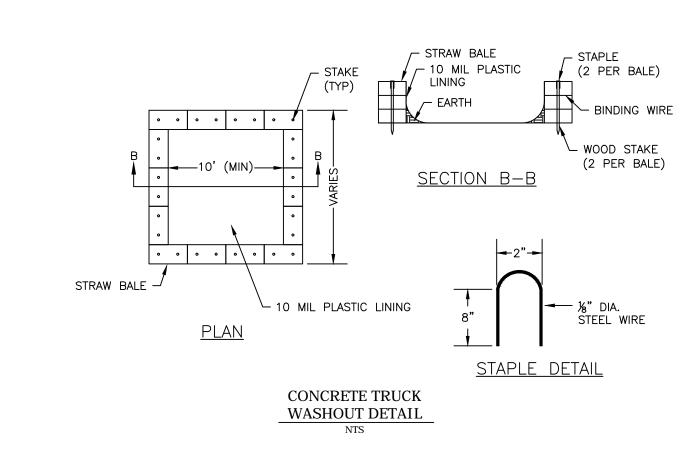
SEDIMENT TRAP #1 DETAIL

165 WET - 175 DRY

STORAGE PROVIDED (CY)



TEMPORARY SEDIMENT TRAP #1 **SPECIFICATIONS**



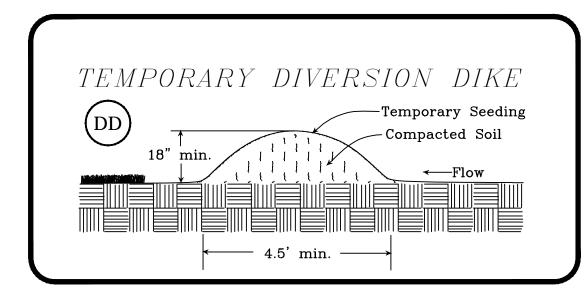
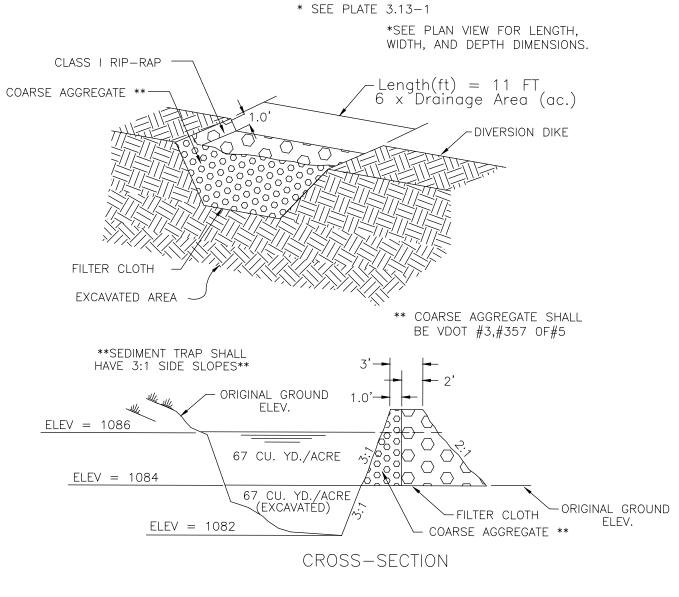


TABLE 3.32-C (Revised June 2003) PERMANENT SEEDING SPECIFICATIONS FOR APPALACHIAN/MOUNTAIN AREA					
SEED ¹					
LAND USE	SPECIES	APPLICATION RATES			
Minimum Care Lawn Commercial or Residential)	Tall Fescue ¹ Perennial Ryegrass ² Kentucky Bluegrass ¹	90-100% 0-10% 0-10% TOTAL: 200-250 lbs.			
High-Maintenance Lawn	Minimum of three (3) up to five (5) varieties of Kentucky Bluegrass from approved list for use in Virginia ¹	TOTAL: 125 lbs.			
General Slope (3:1 or less)	Tall Fescue ¹ Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop ³	128 lbs. 2 lbs. <u>20 lbs.</u> TOTAL: 150 lbs.			
.ow-Maintenance Slope Steeper than 3:1)	Tall Fescue ¹ Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop ³ Crownvetch ⁴	108 lbs. 2 lbs. 20 lbs. <u>20 lbs.</u> TOTAL: 150 lbs.			
http://sudan.cses.vt.edu/html/Ti 2 - Perennial Ryegrass will gerr cover and erosion resistance for 3 - Use seasonal nurse crop in 4 - All legume seed must be pro	accordance with seeding dates as stated below: March, April - May 15 th	Tall Fescues, thereby providing Annual Rye Foxtail Millet Annual Rye Winter Rye 80 lbs/acre. If Weeping			
	FERTILIZER & LIME				
 Apply Pulverized A NOTE: A soil test is necessary to det Incorporate the lime and fertil 	ilizer at a rate of 500 lbs. / acre (or 12 lbs. / 1,000 gricultural Limestone at a rate of 2 tons/acre (or ermine the actual amount of lime required to adjuizer into the top 4 – 6 inches of the soil by disking lble Nitrogen, use rates available in Erosion & Ser	r 90 lbs. / 1,000 sq. ft.) ust the soil pH of site. g or by other means.			

PERMANENT SEEDING SPECIFICATIONS

SEDIMENT TRAP SUMM	MARY TABLE	
DRAINAGE AREA ID	ST-2	
TOTAL DRAINAGE AREA SIZE	1.71 AC	
BOTTOM/TOP LENGTH	22LF/46LF	
BOTTOM/TOP WIDTH	26LF/50LF	
DEPTH	4'	
BERM HEIGHT	1'	
WEIR LENGTH	11 LF	
WEIR HEIGHT	1.5'	
STORAGE REQUIRED (CY)	115 WET - 115 DRY	
STORAGE PROVIDED (CY)	120 WET - 136 DRY	

SEDIMENT TRAP #1 DETAIL



TEMPORARY SEDIMENT TRAP #2 **SPECIFICATIONS**

GENERAL NOTES: 1. ACTUAL SIZE TO BE DETERMINED IN FIELD. A MINIMUM OF 10' WIDE BY 10' LONG AND SIZED TO CONTAIN ALL LIQUID AND SOLID WASTE. A MINIMUM OF 12" FREEBOARD SHALL BE INCLUDED. . THE CONCRETE WASHOUT SHALL NOT BE PLACED WITHIN 50' OF 3. EXCESS AND SLUMP TEST SOLIDS SHALL BE PLACED ON PLASTIC LINER UNTIL HARDENED. CONTRACTOR MAY CONSIDER INSTALLING WIRE OR REBAR HOOD FOR LATER PICKUP REMOVAL. 4. INSPECTORS SHALL USE THE WASHOUT FACILITY OR PLASTIC FOR CLEANING OF THEIR TOOLS. MAINTENANCE NOTES: 1. CHECK ALL CONCRETE WASHOUT FACILITIES DAILY TO DETERMINE IF THEY HAVE BEEN FILLED TO 75% CAPACITY. THE FACILITY SHALL BE CLEANED OUT OR CHANGED WHEN 75% FULL. 2. INSPECT LINERS DAILY TO ENSURE THAT LINERS ARE INTACT AND SIDEWALLS HAVE NOT BEEN DAMAGED BY CONSTRUCTION ACTIVITIES. LINERS SHALL BE REPLACED IF THERE ARE HOLES OR TEARS OBSERVED. 3. CONCRETE WASTE SHALL BE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN. THE HARDENED CONCRETE SHALL BE
BROKEN UP AND DISPOSED OF OFFSITE PER APPLICABLE VA. DEQ RULES
AND REGULATIONS. LIQUIDS SHALL NOT BE DISCHARGED DIRECTLY INTO WATERWAYS, STORM DRAINS, SWALES, OR DIRECTLY ONTO THE GROUND. 4. REMOVE LIQUIDS OR COVER STRUCTURE BEFORE PREDICTED STORMS TO PREVENT OVERFLOWS.

5. INSTALL A NEW PLASTIC LINER AFTER EVERY CLEANING.

Erosion & Sediment Control Technical Bulletin No. 4 **Nutrient Management for Development Sites**

Pounds of nitrogen p	per 1,000 sq. it. i	i uie ieiuiize	i is less than so	percent win
	Type of Grass			
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	O	0	0	1
July/August	U	0	U	
Yearly Lbs. N/1000 sf	2.5	2.5	2	2
	2.5	2.5	2	2
Yearly Lbs. N/1000 sf	2.5	2.5	2 er is more than 5 e of Grass	2 O percent WIN
Yearly Lbs. N/1000 sf	2.5 per 1,000 sq. ft. i	2.5 f the fertilize Type Kentucky	2 er is more than 5 e of Grass	2
Yearly Lbs. N/1000 sf Pounds of nitrogen p Month	2.5 Der 1,000 sq. ft. i Tall Fescue Perennial Rye	2.5 f the fertilize Type Kentucky Bluegrass	2 er is more than 5 e of Grass Bermudagrass	2 O percent WIN Zoysiagrass
Yearly Lbs. N/1000 sf Pounds of nitrogen p Month August 15	2.5 Der 1,000 sq. ft. i Tall Fescue Perennial Rye 1.5	2.5 f the fertilize Type Kentucky Bluegrass 1.5	2 er is more than 5 e of Grass Bermudagrass	2 O percent WIN Zoysiagrass 0
Yearly Lbs. N/1000 sf Pounds of nitrogen p Month August 15 October 1	2.5 Der 1,000 sq. ft. i Tall Fescue Perennial Rye 1.5 1.5	2.5 f the fertilize Type Kentucky Bluegrass 1.5 1.5	2 er is more than 5 e of Grass Bermudagrass 0 0	2 O percent WIN Zoysiagrass 0 0
Yearly Lbs. N/1000 sf Pounds of nitrogen p Month August 15 October 1 April	2.5 Der 1,000 sq. ft. i Tall Fescue Perennial Rye 1.5 1.5 0	2.5 f the fertilize Type Kentucky Bluegrass 1.5 1.5 0	2 er is more than 5 e of Grass Bermudagrass 0 0 1.5	2 O percent WIN Zoysiagrass 0 0 1.5

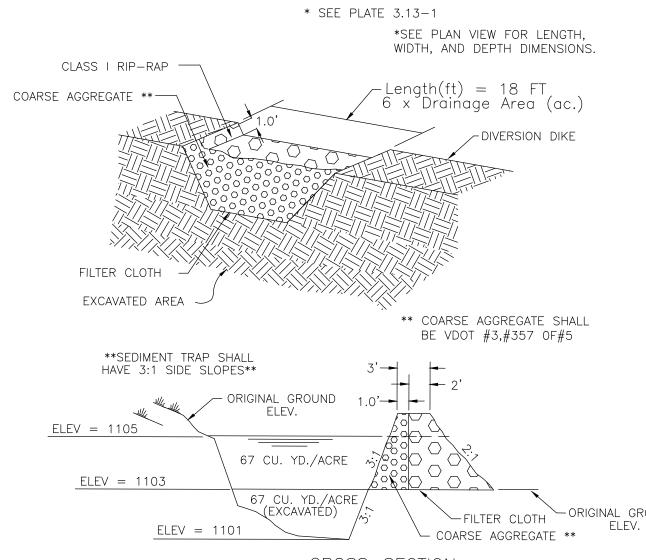
FERTILIZER SPECIFICATIONS AND RATES FOR MANAGEMENT

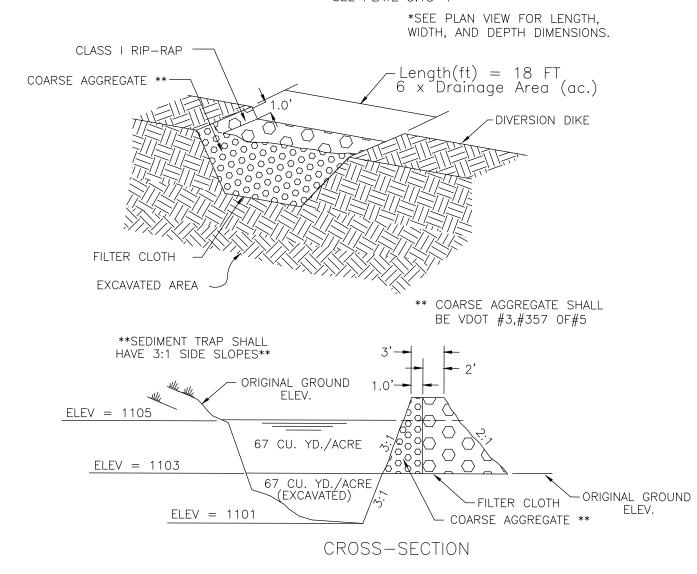
	TABLE 3.31-B (Revised June 2003) TEMPORARY SEEDING SPECIFICATION QUICK REFERENCE FOR ALL REGION			
SEED				
APPLICATION DATES	SPECIES	APPLICATION RATES		
Sept. 1 - Feb. 15	50/50 Mix of Annual Ryegrass (Iolium multi- florum) & Cereal (Winter) Rye (Secale cereale)	50 -100 (lbs/acre)		
Feb. 16 - Apr. 30	Annual Ryegrass (Iolium multi-florum)	60 - 100 (lbs/acre)		
May 1 - Aug. 31	German Millet	50 (lbs/acre)		
	FERTILIZER & LIME			
• Apply Pulver NOTE: 1 - A soil test is necessa 2 - Incorporate the lime a 3 - When applying Slow	10 fertilizer at a rate of 450 lbs. / acre (or 10 lbs. / 1,0 ized Agricultural Limestone at a rate of 2 tons/acre ry to determine the actual amount of lime required to and fertilizer into the top 4 – 6 inches of the soil by dis ly Available Nitrogen, use rates available in <u>Erosion 8 gement for Development Sites</u> at http://www.dcr.states	(or 90 lbs. / 1,000 sq. ft.) adjust the soil pH of site. sking or by other means. sediment Control Technical Bulletin		

TEMPORARY SEEDING SPECIFICATIONS

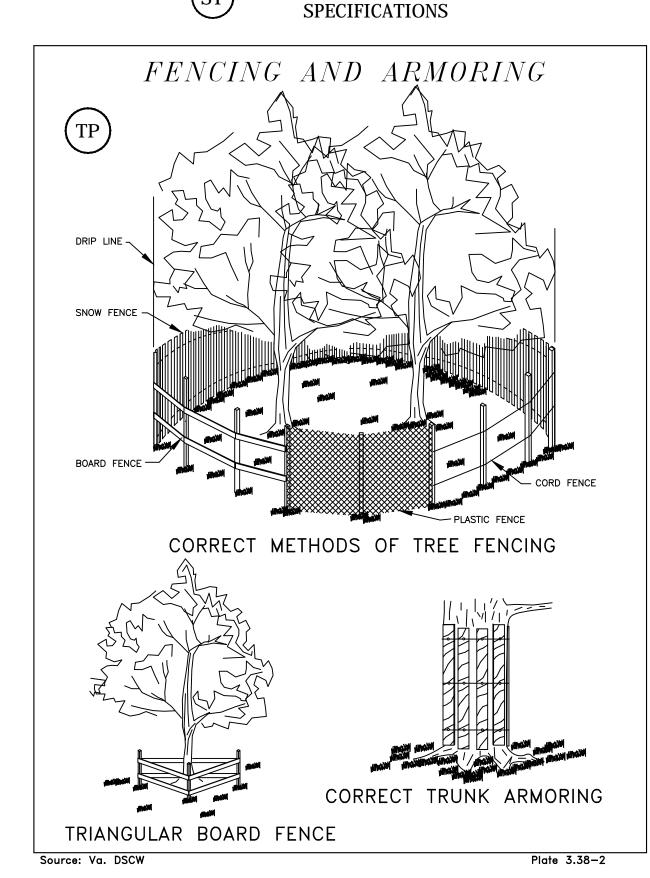
SEDIMENT TRAP SUMM	MARY TABLE
DRAINAGE AREA ID	ST-3
TOTAL DRAINAGE AREA SIZE	3.00 AC
BOTTOM/TOP LENGTH	45LF/69LF
BOTTOM/TOP WIDTH	25LF/49LF
DEPTH	4'
BERM HEIGHT	1,
WEIR LENGTH	18 LF
WEIR HEIGHT	1.5'
STORAGE REQUIRED (CY)	201 WET - 201 DRY
STORAGE PROVIDED (CY)	202 WET - 207 DRY

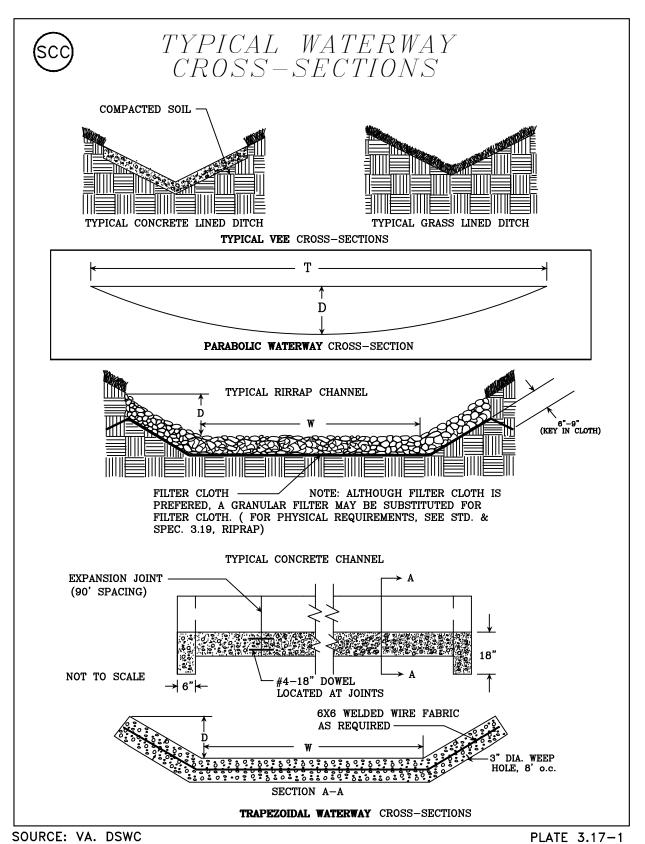
SEDIMENT TRAP #1 DETAIL

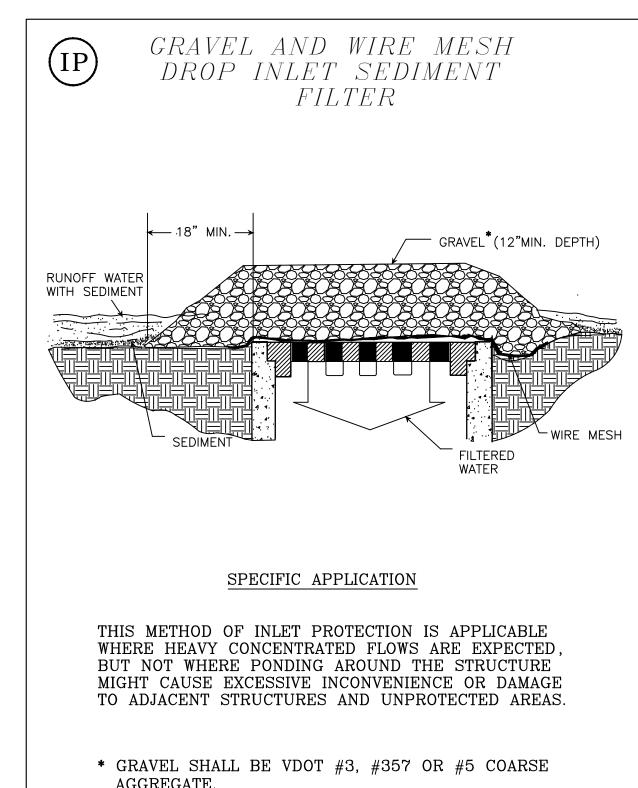


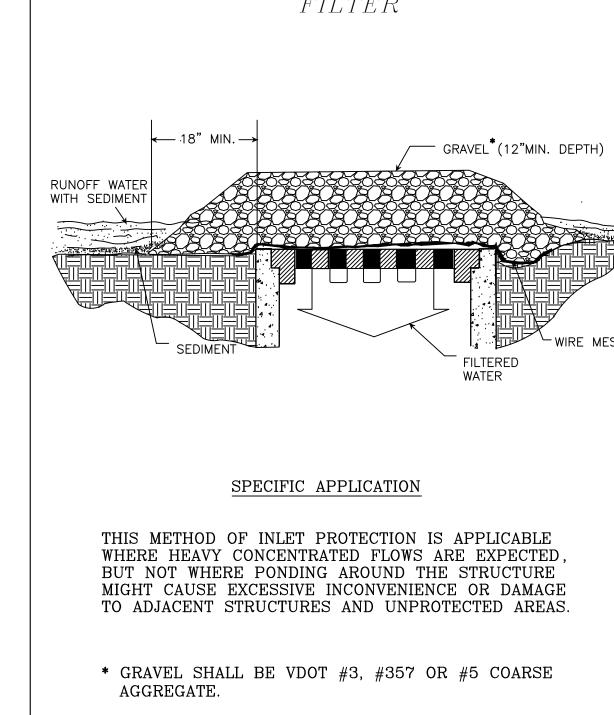


TEMPORARY SEDIMENT TRAP #3

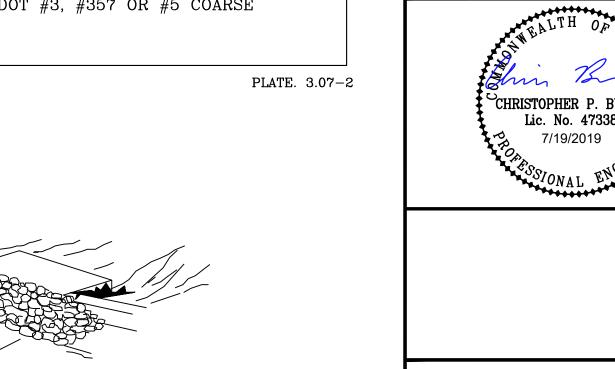


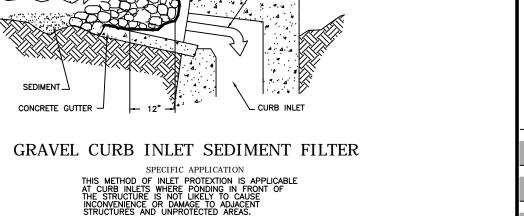


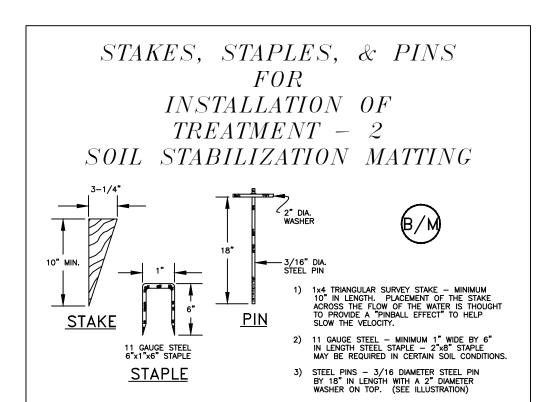




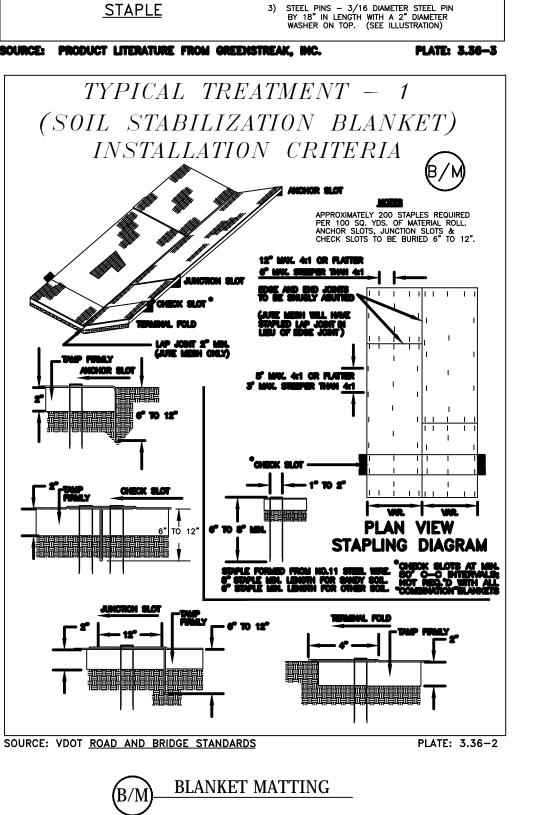
SOURCE: VA. DSWC







GRAVEL SHALL BE VDOT #3, #357 or 5 COURSE AGGREGATE.

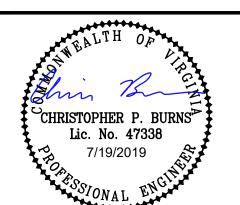




Roanoke / Richmond New River Valley / Staunton Harrisonburg / Lynchburg www.balzer.cc

1208 Corporate Circle

Roanoke, VA 24018 540.772.9580



NOT RELEASED FOR CONSTRUCTION LATEST DA/PC DAXX-XXX/ PCXX-XXX

DRAWN BY: BALZER & ASSOC. / BTC CHECKED BY: BALZER & ASSOC. / CPB

REV# DATE | DESCRIPTION | BY 5/5/19 | CLIENT REV. | BTC 2 | 6/10/19 | LOCALITY REV. | BTC 3 7/19/19 PLAN REVISION BTG

ST0 2839 ROA

04180107.00 PROJECT NO. 21 MARCH 2019 SHEET TITLE

E.S.C. DETAILS

SHEET NO. C12.0