
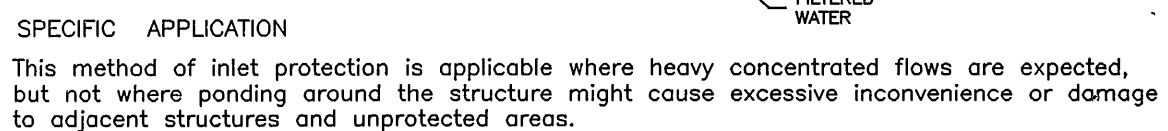


ALL COSTS GIVEN ARE COMPLETE IN PLACE

## GENERAL NOTES

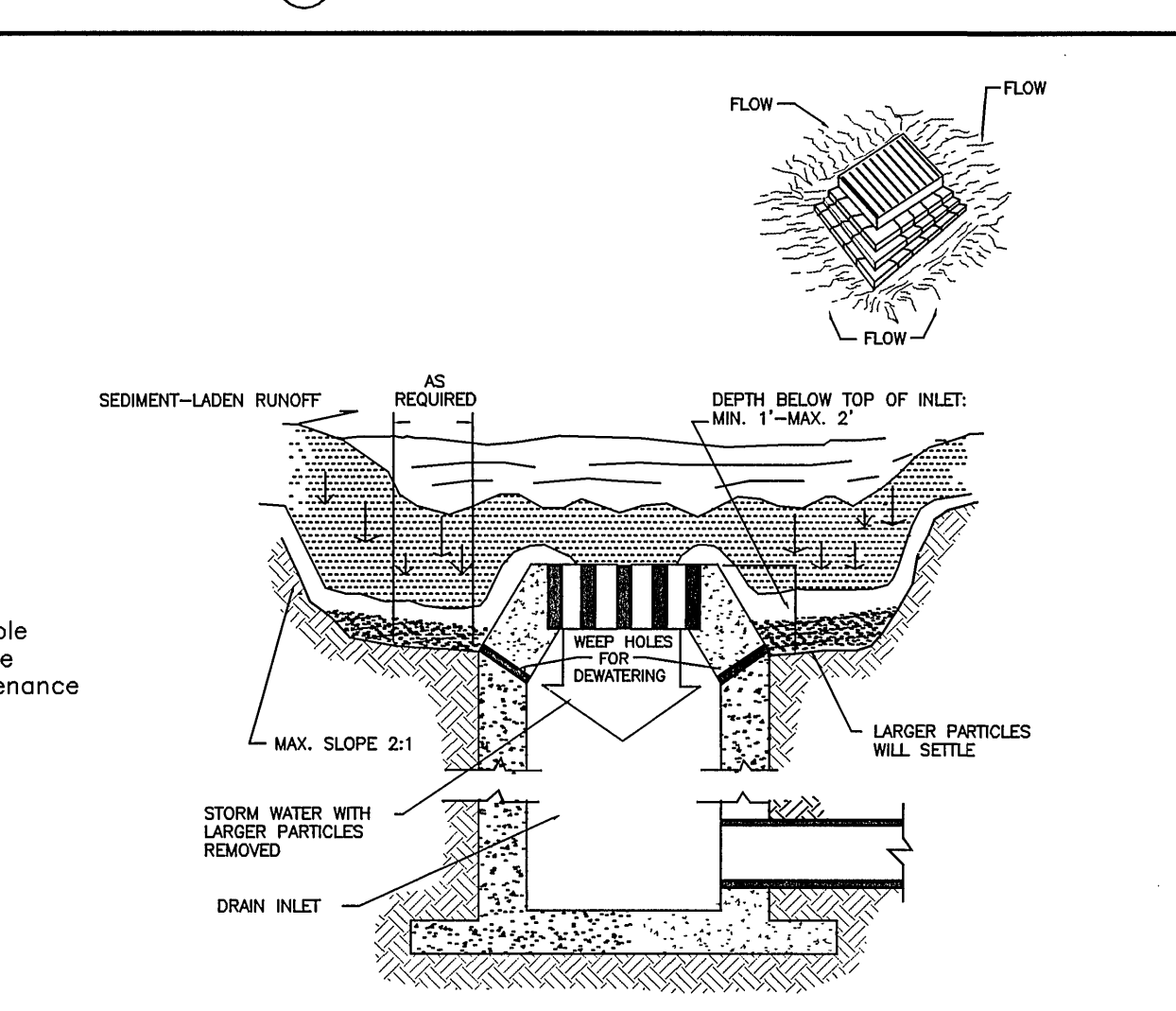
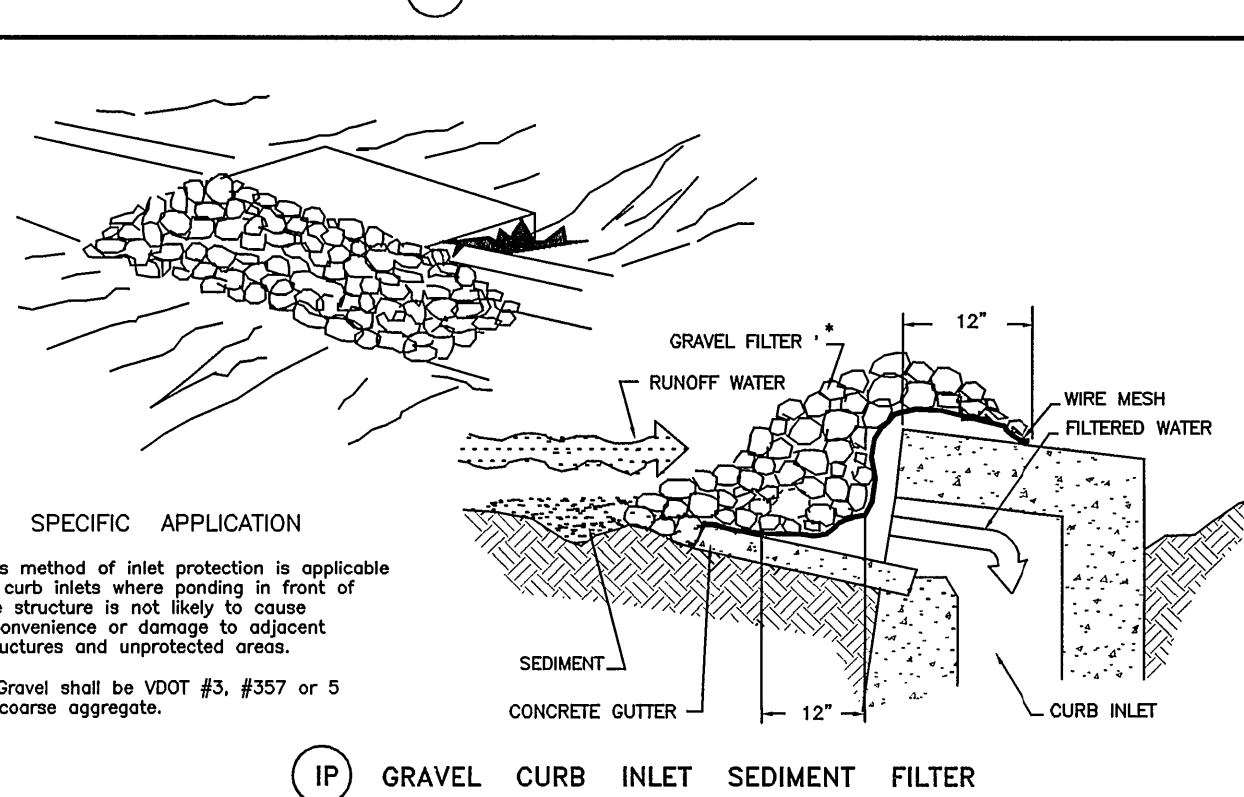
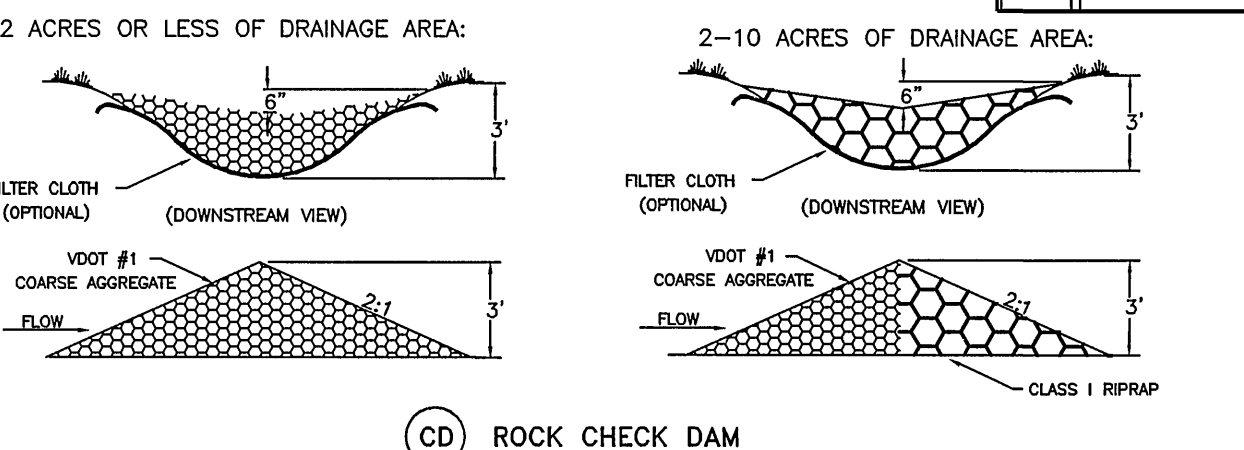
- ## CONSTRUCTION NOTES

- 
- SPECIFIC APPLICATION**
- This method of inlet protection is applicable where heavy flows are expected and where an overflow capability and ease of maintenance are desirable.

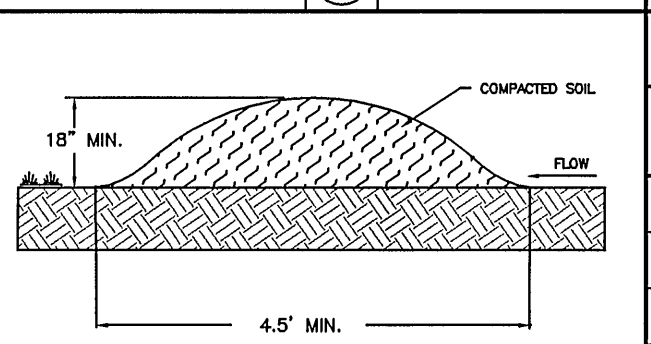


\* Gravel shall be VDOT #3, #357 or #5 coarse aggregate

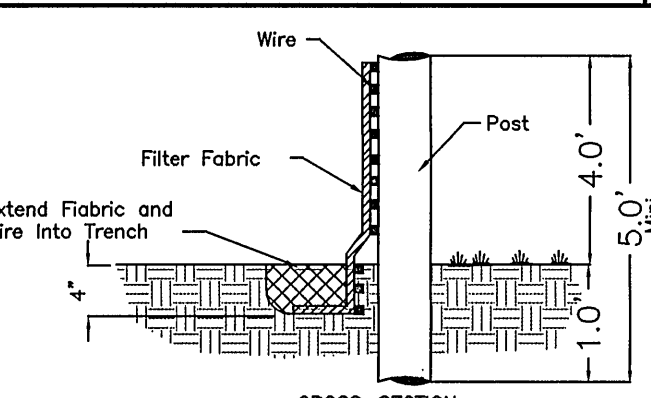
(IP) GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER



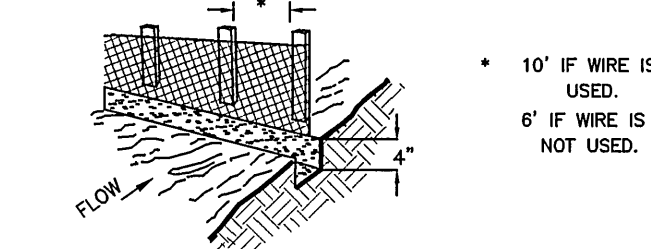
IP EXCAVATED DROP INLET SEDIMENT TRAP



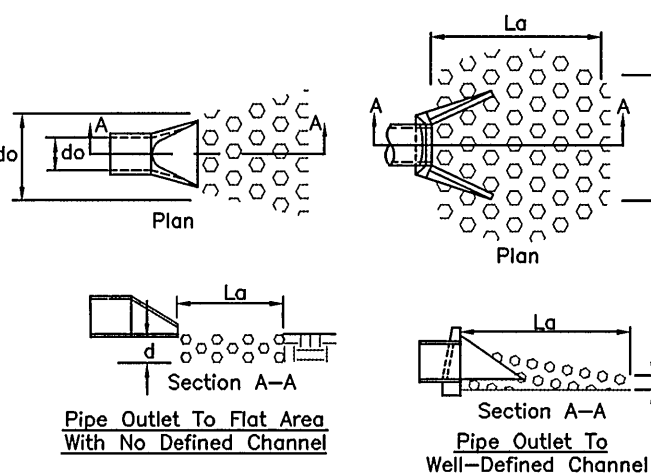
- (DD) TEMPORARY DIVERSION DIKE  
 (FD) TEMPORARY FILL DIVERSION  
 (RWD) TEMPORARY RIGHT-OF-WAY DIVERSION  
 (DV) DIVERSION



CROSS-SECTION

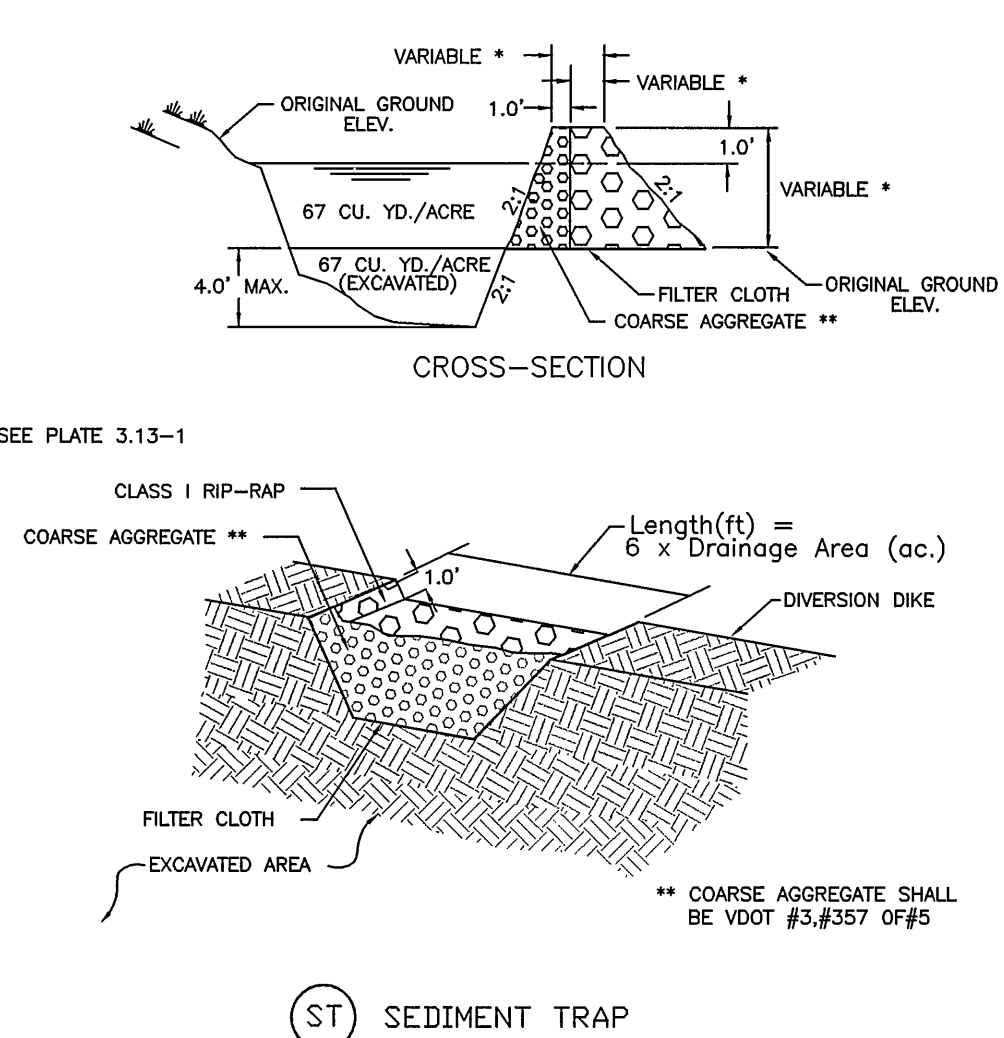


(5) CONSTRUCTION OF A SILT FENCE

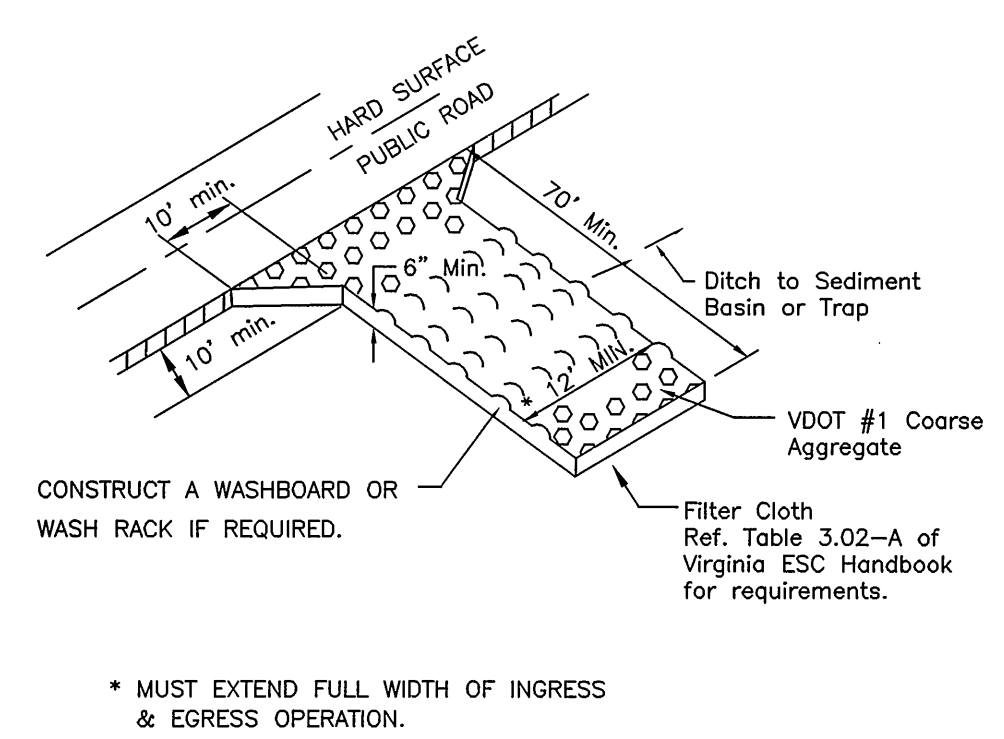


OP OUTLET PROTECTION

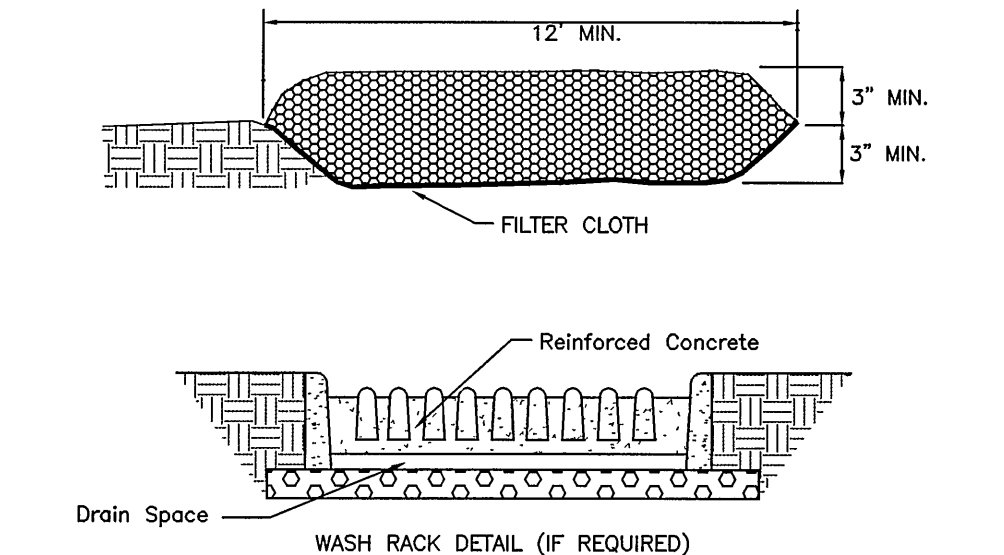
- NOTES
1. Apron lining may be rip-rap, grouted rip-rap, or concrete.
  2.  $L_a$  is the length of the rip-rap apron as calculated using plates 1.36d and 1.36e.
  3.  $d = 1.5$  times the maximum stone diameter, but not less than 6".



For areas less than 3.0 acres. For areas larger than 3.0 acres, A SEDIMENT TRAP, is required. Please see Va' ESC manual for design.

[illegible]

\* MUST EXTEND FULL WIDTH OF INGRESS  
& EGRESS OPERATION.



(CE) TEMPORARY GRAVEL  
CONSTRUCTION ENTRANCE

ALL COSTS GIVEN ARE COMPLETE IN PLACE

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
CONSTRUCTION ENTRANCE	EA		\$	\$
SILT FENCE	LF	1500	3.50	5250
INLET PROTECTION	EA			
TEMPORARY DIVERSION DIKE	LF			
TEMPORARY FILL DIVERSION	LF			
SEDIMENT TRAP	EA			
CHECK DAM	EA			
PERMANENT SEEDING	1000 SF	30	30.00	900.00
OUTLET PROTECTION	EA	1	350	350
SEDIMENT BASIN	EA			
SUB-TOTAL				\$ 6500
10% CONTINGENCY				\$ 650
TOTAL PROJECT COST				\$ 7150

## GENERAL EROSION AND SEDIMENT CONTROL NOTES

1. ALL SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
2. THE APPROVING AUTHORITY MAY ADD TO, DELETE, RELOCATE, CHANGE, OR OTHERWISE MODIFY CERTAIN EROSION AND SEDIMENT CONTROL MEASURES WHERE FIELD CONDITIONS ARE ENCOUNTERED THAT WARRANT SUCH MODIFICATIONS.
3. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLAN SHALL BE PLACED IN ADVANCE OF THE WORK BEING PERFORMED, AS FAR AS PRACTICAL.
4. IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LEAVE THE SITE ADEQUATELY PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT PROPERTY AT THE END OF EACH DAY'S WORK.
6. FOR THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO THE VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. THE EROSION AND SEDIMENT CONTROL SYMBOLS SHALL BE UTILIZED ON ALL EROSION CONTROL PLANS SUBMITTED TO ROANOKE COUNTY.

(PS) PERMANENT SEEDING MIXTURE

TYPE A		TYPE B (SLOPES 3:1 OR STEEPER)	
15 OCTOBER TO 1 FEBRUARY		15 MARCH TO 1 MAY	
K-31 FESCUE @ 5 LB / 1000 SF		CROWN VETCH @ 1/2 LB / 1000 SF	
BORZY-TINMAN RYE @ 1/2 LB / 1000 SF		PERENNIAL RYEGRASS @ 1/2 LB / 1000 SF	
		RED TOP @ 1/8 LB / 1000 SF	
1 FEBRUARY TO 1 JUNE		15 AUGUST TO 1 OCTOBER	
K-31 FESCUE @ 5 LB / 1000 SF		CROWN VETCH @ 1/2 LB / 1000 SF	
ANNUAL RYE @ 1/2 LB / 1000 SF		PERENNIAL RYEGRASS @ 1/2 LB / 1000 SF	
1 JUNE TO 1 SEPTEMBER		RED TOP @ 1/8 LB / 1000 SF	
K-31 FESCUE @ 5 LB / 1000 SF			
GERMAN MILLET @ 1/2 LB / 1000 SF			
1 SEPTEMBER TO 15 OCTOBER			
K-31 FESCUE @ 5 LB / 1000 SF			
ANNUAL RYE @ 1/2 LB / 1000 SF			

LIME: 140 LB / 1000 SF PULVERIZED AGRICULTURAL LIMESTONE  
FERTILIZER: 5-20-10 @ 25 LB / 1000 SF  
38-0-0 @ 7 LB / 1000 SF

MULCH: IF REQUIRED, SHALL BE USED OVER ALL SEEDED AREAS AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 1.75 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

SOIL CONDITIONING:  
INCORPORATION OF LIME AND FERTILIZER, SELECTION OF CERTIFIED SEED, MULCHING, MAINTENANCE OF NEW SEEDLINGS, AND RESEEDING SHALL BE IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE VIRGINIA SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. ADDITIONAL SEEDING TO BE PERFORMED AS REQUIRED BY THE INSPECTOR.

SEED APPLICATION: APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER ON A FIRM, FRIABLE, SEEDBED. MAXIMUM SEEDING DEPTH SHALL BE 1/4 INCH.

TOTAL DISTURBED AREA = 1.23 AC. = 54,000 SQ. FT.

WVWA ID# 6P1IQAN

1	ENGR. & INSPEC.	04-10-93
2	ENGR. & INSPEC.	08-05-93
3	ENGR. & INSPEC.	10-27-93
4		
5		
6		
NO	REVISIONS	DATE

DATE: 11/02/93
SCALE: NO SCALE
DRAWING BY: CLN,AF (G:\CAD\DETAILS\EROS)
DESIGNED BY:
APPROVED BY: CWS III

SHEET  
5 OF 6