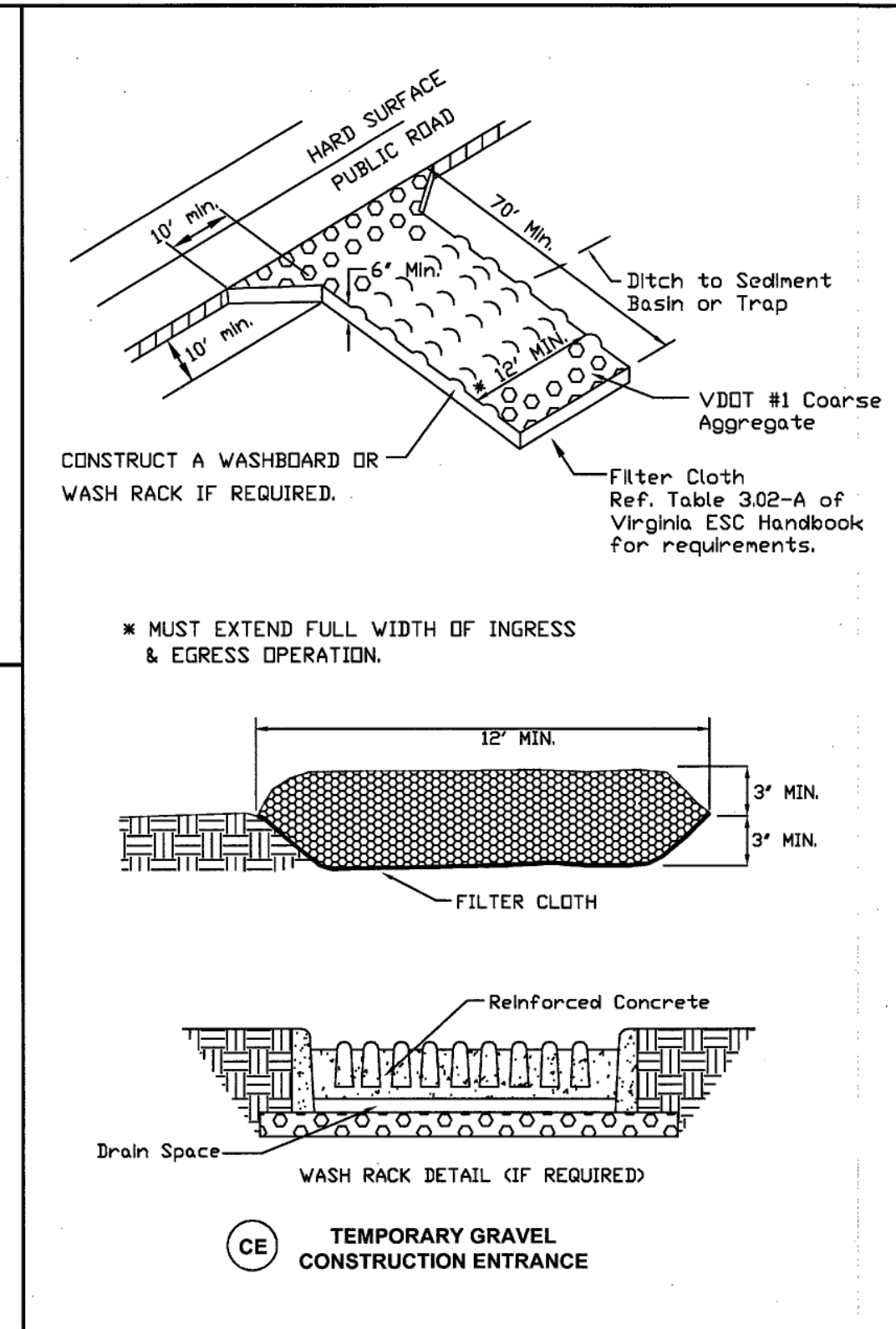
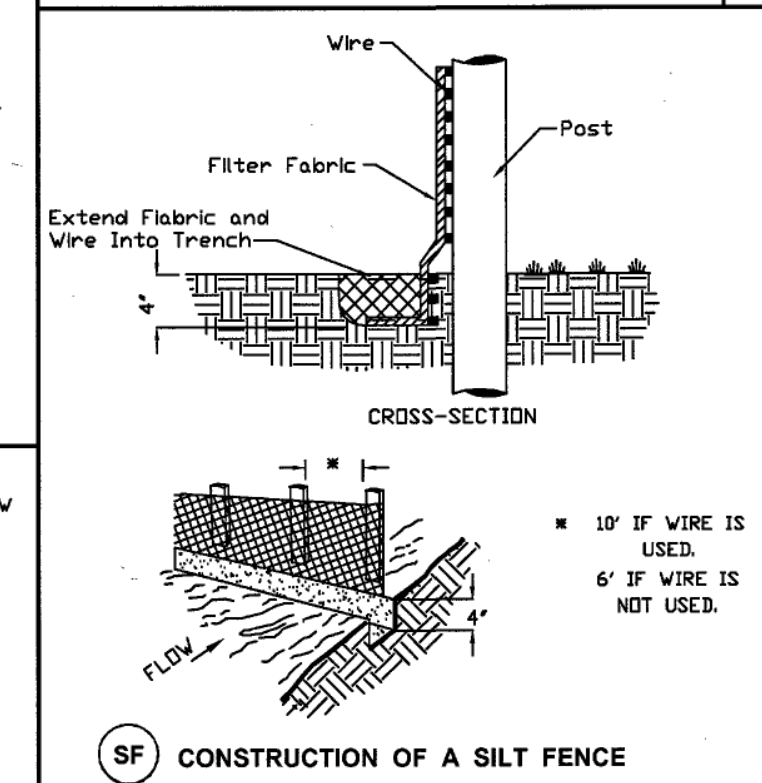
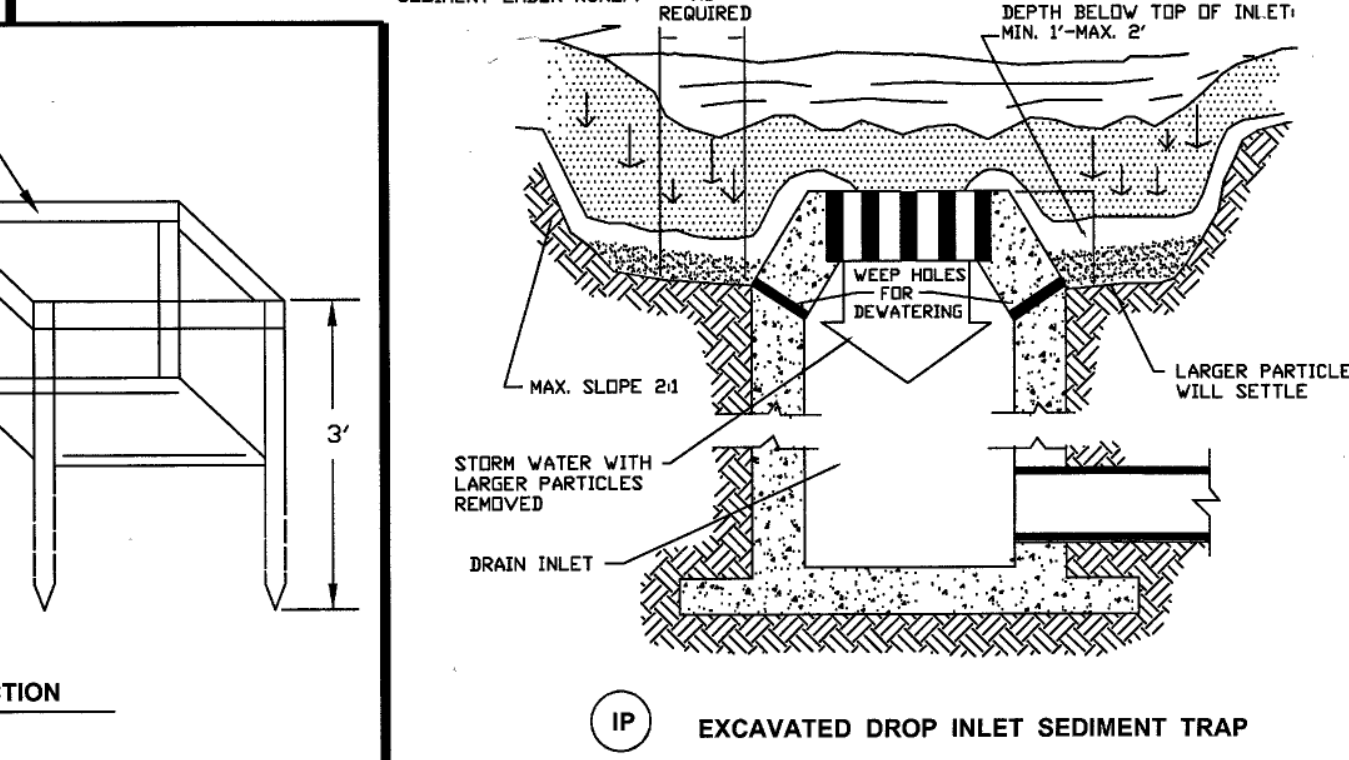
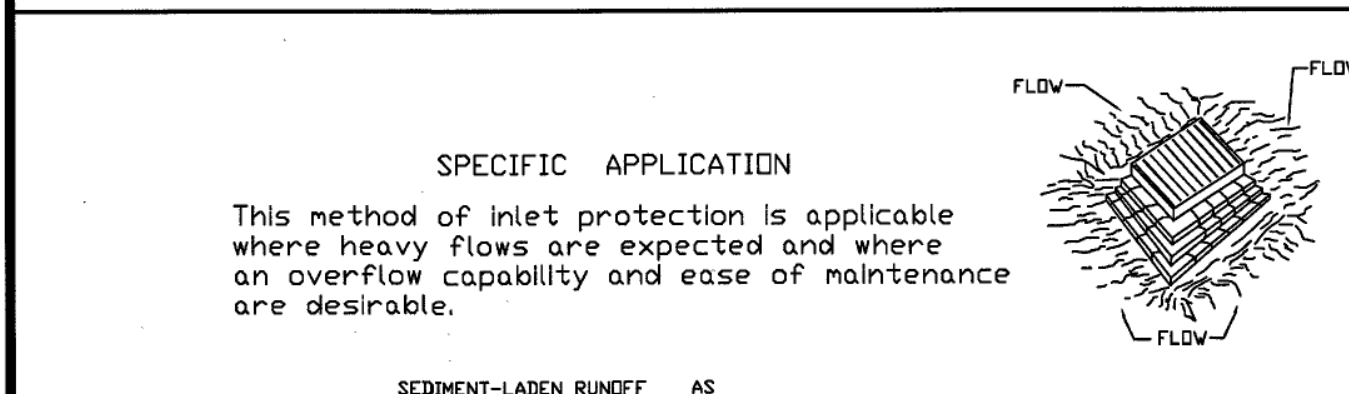
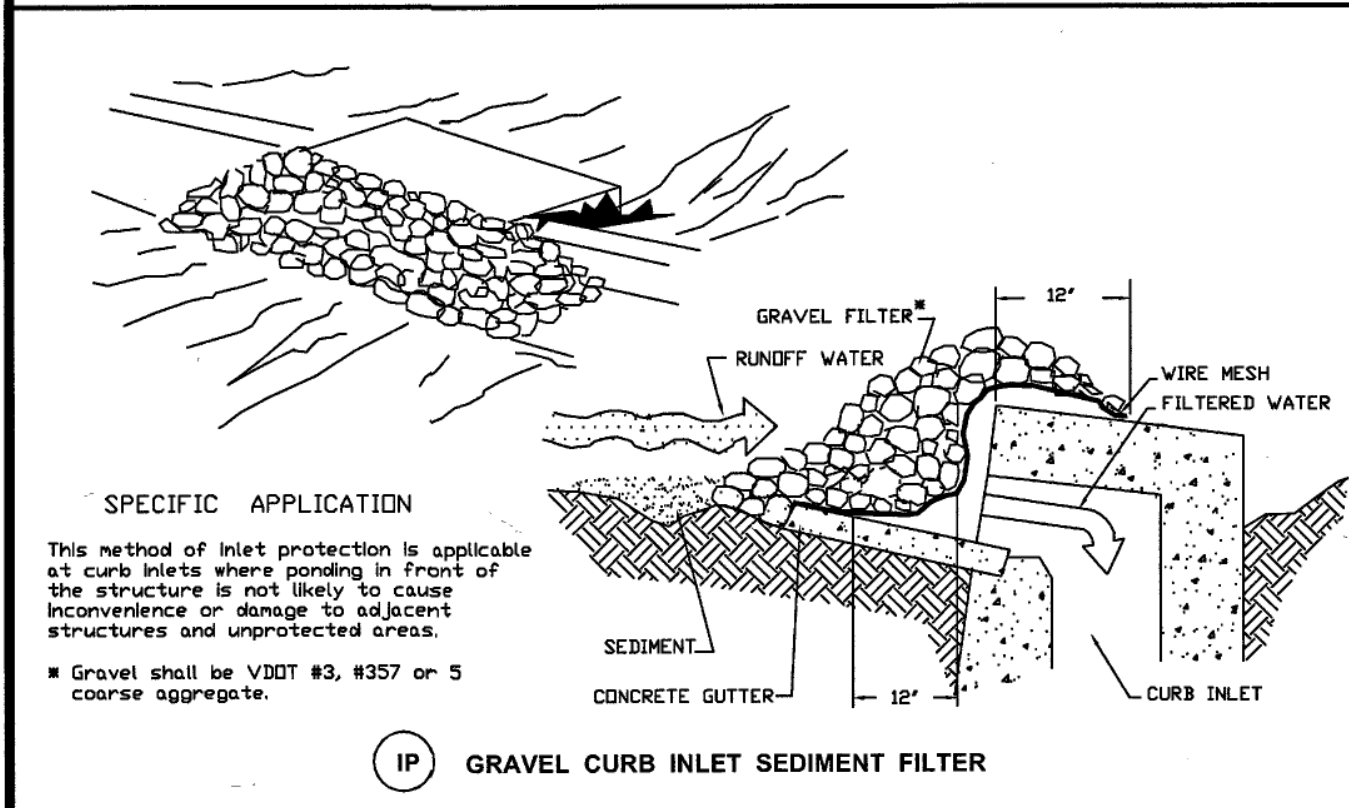
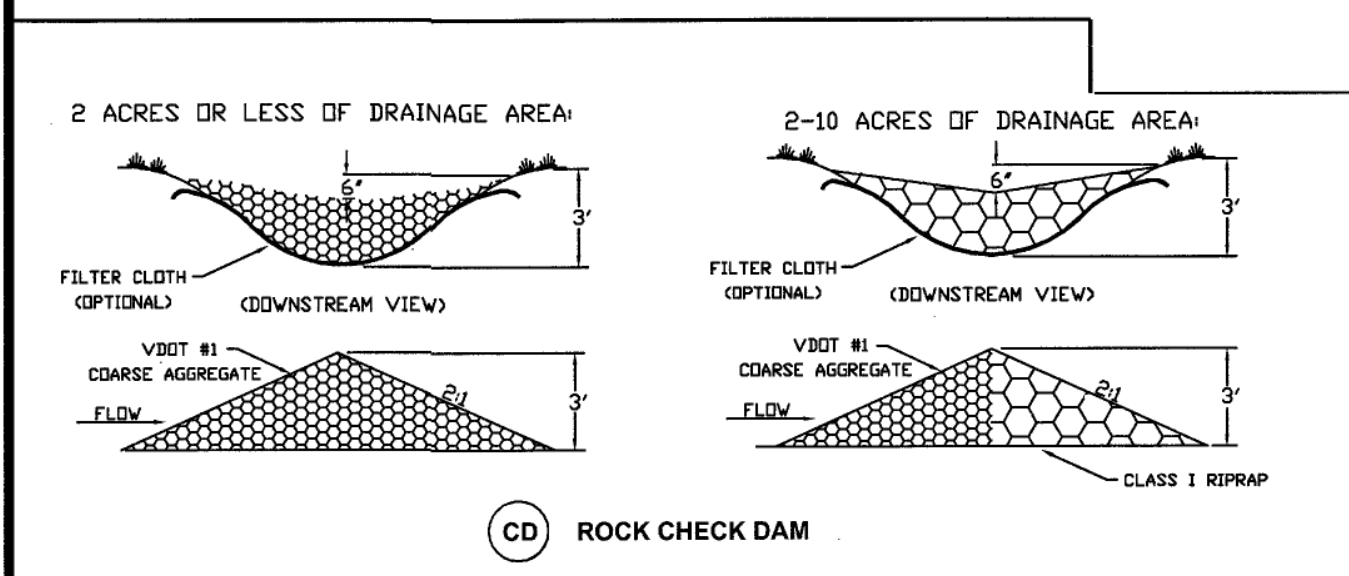


NO.	TITLE	KEY	SYMBOL	NO.	TITLE	KEY	SYMBOL
3.02	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE	CE		3.20	ROCK CHECK DAMS	CD	
3.03	CONSTRUCTION ROAD STABILIZATION	CRS		3.31	TEMPORARY SEEDING	TS	
3.05	SILT FENCE	SF		3.32	PERMANENT SEEDING	PS	
3.07	STORM DRAIN INLET PROTECTION	IP		3.35	MULCHING	MU	



EROSION-SILTATION CONTROL COST ESTIMATE - PHASE II				
ALL COSTS GIVEN ARE COMPLETE IN PLACE				
DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
CONSTRUCTION ENTRANCE	EA.	1	\$ 500.00	\$500
CONSTRUCTION ROAD STABILIZATION	SY.	1,000	2.75	2,750.00
SILT FENCE	LF	2200	3.00	6,600.00
STORM DRAIN INLET PROTECTION	EA	16	250.00	4,000.00
TEMPORARY SEEDING	SF	80,000	0.015	1,200
PERMANENT SEEDING	SF	80,000	0.03	2,400
ROCK CHECK DAMS	EA	7	\$100/EA	700.00
STORM CONVEYANCE CHANNEL	LF	250	4/LF	1,000.00
SUB-TOTAL				\$ 19,150
10% CONTINGENCY				\$ 1,915
TOTAL PROJECT COST				\$ 21,065

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. THESE SYMBOLS AND KEYS ARE TO BE UTILIZED ON ALL EROSION CONTROL PLANS SUBMITTED TO ROANOKE COUNTY.	
TS	TEMPORARY SEEDING MIXTURE
1 SEPTEMBER TO 15 FEBRUARY 50/50 MIX OF ANNUAL RYEGRASS CEREAL WINTER RYE @ 50-100 LBS./ACRE	
16 FEBRUARY TO 30 APRIL ANNUAL RYEGRASS @ 60-100 LBS./ACRE	
1 MAY TO 31 AUGUST GERMAN MILLET @ 50 LBS./ACRE	
FERTILIZER: 10-20-10 OR EQUIVALENT NUTRIENTS RATE: 600 LBS./ACRE (14 LBS./1000 SF.)	
MULCH: STRAW MULCH SHALL BE USED OVER ALL SEEDING AREAS AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 1.75 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. MULCHING RATE: STRAW OR HAY: 1.5-2 TONS/ACRE (70-90 LBS./1000 SF.)	
TEMPORARY SEEDING TO BE USED WHERE EXPOSED SOIL SURFACES ARE NOT TO BE FINE GRADED FOR PERIODS LONGER THAN 30 DAYS.	
PS	PERMANENT SEEDING MIXTURE
TYPE A	
15 OCTOBER TO 1 FEBRUARY K-31 FESCUE @ 5 LB / 1000 SF BORZY WINTER RYE @ 1/2 LB / 1000 SF RED TOP @ 1/8 LB / 1000 SF	
1 FEBRUARY TO 1 JUNE K-31 FESCUE @ 5 LB / 1000 SF ANNUAL RYE @ 1/2 LB / 1000 SF	
1 JUNE TO 1 SEPTEMBER 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	
TYPE B (SLOPES 3:1 OR STEEPER)	
15 MARCH TO 1 MAY CROWN VETCH @ 1/2 LB / 1000 SF PERENNIAL RYEGRASS @ 1/2 LB / 1000 SF RED TOP @ 1/8 LB / 1000 SF	
15 AUGUST TO 1 OCTOBER CROWN VETCH @ 1/2 LB / 1000 SF PERENNIAL RYEGRASS @ 1/2 LB / 1000 SF RED TOP @ 1/8 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 SEEDING 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 SEEDINGS, 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 HYDROSEDER ON A FIRM, FRIABLE, SEEDBED. MAXIMUM SEEDING DEPTH SHALL BE 1/4 INCH.	
TOTAL DISTURBED AREA = 3.4 AC. = 148,100 SQ. FT.	