

EROSION AND SEDIMENT CONTROL NARRATIVE

...CONTINUED FROM SHEET 12
SOILS:
 A SOILS MAP IS ATTACHED WHICH SHOWS THE LOCATION OF VARIOUS SOILS WITHIN THE CONSTRUCTION AREA.
 THE FOLLOWING SYMBOLS CORRESPOND WITH SOIL TYPES ON THE MAP.

SYMBOL	SOIL NAME, TYPE, SLOPE RANGE %	DISTURBED AREA
24C	GROSELOPE, SILT-LOAM, 7/15	6.88 AC
24D	GROSELOPE, SILT-LOAM, 15/25	1.98 AC
30C	LINDSAY, FINE SANDY LOAM, 7/15	3.64 AC
43A	SPEEDWELL, LOAM, 0/2	2.83 AC
49C	TUMBLING, LOAM, 7/15	2.15 AC
49D	TUMBLING, LOAM, 15/25	2.60 AC

THE FOLLOWING PROPERTIES CORRESPOND WITH SOIL TYPES
SYMBOL **EROSION POTENTIAL** **PERMEABILITY**
 24C HIGH SLOW
 24D HIGH SLOW
 30C HIGH MOD. ABOVE FP, MOD. TO SLOW BELOW FP.
 43A SLIGHT MODERATE
 49C HIGH MODERATE
 49D HIGH MODERATE

TYPICAL SEQUENCE, DEPTH AND COMPOSITION LAYERS IN THE SOILS ARE AS FOLLOWS:

24C Groselope Silt loam, 7 to 15% slopes	0-9 inches, dark brown silt loam
Surface layer:	9 to 18 inches, brown silt loam
Subsoil:	18 to 32 inches, brown silty clay loam
Substratum:	32 to 50 inches, yellowish red and brown silty clay
50 to 62 inches, yellowish red and brown silty clay loam	
24D Groselope Silt loam, 15 to 25% slopes	0-9 inches, dark brown silt loam
Surface layer:	9 to 18 inches, brown silt loam
Subsoil:	18 to 32 inches, brown silty clay loam
Substratum:	32 to 50 inches, yellowish red and brown silty clay
50 to 62 inches, yellowish red and brown silty clay loam	
30C Lindsay fine sandy loam, 7 to 15% slopes	0-8 inches, very dark grayish brown fine sandy loam
Surface layer:	8 to 13 inches, dark yellowish brown loam
Subsoil:	13 to 32 inches, yellowish brown loam
Substratum:	32 to 37 inches, yellowish brown, firm, brittle loam that has pale brown mottles
37 to 62 inches, yellowish brown, firm, brittle loam that has pale brown and dark brown mottles	
43A Speedwell loam, 0 to 2% slopes	0 to 17 inches, dark brown loam
Surface layer:	17 to 45 inches, dark brown loam
Subsoil:	45 to 62 inches, brown loam
49C Tumbling loam, 7 to 15% slopes	0-2 inches, very dark grayish brown loam
Surface layer:	2 to 11 inches, brownish yellow loam
Subsoil:	11 to 15 inches, strong brown gravelly clay loam having red mottles
15 to 28 inches, yellowish red gravelly clay having red mottles	
28 to 49 inches, yellowish red very gravelly clay having red mottles	
49 to 62 inches, mottled strong brown, red, dark red, and white clay	
49D Tumbling loam, 15 to 25% slopes	0-2 inches, very dark grayish brown loam
Surface layer:	2 to 11 inches, brownish yellow loam
Subsoil:	11 to 15 inches, strong brown gravelly clay loam having brownish yellow mottles
15 to 28 inches, yellowish red gravelly clay having red mottles	
28 to 49 inches, yellowish red very gravelly clay having red mottles	
49 to 62 inches, mottled strong brown, red, dark red, and white clay	

CRITICAL AREAS:
 IT IS CRITICAL THAT THE EROSION AND SEDIMENT CONTROL MEASURES BE MAINTAINED TO PREVENT ANY SEDIMENT FROM REACHING THE GLADE CREEK TRIBUTARY.

GENERAL STANDARDS:
 ALL EROSION AND SEDIMENT CONTROL PRACTICES AND PROCEDURES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

MINIMUM STANDARDS:
 SEE DOR'S MINIMUM STANDARDS LISTED ON THE ROANOKE COUNTY ESC DETAIL SHEET.

GENERAL EROSION AND SEDIMENT CONTROL NOTES,
 ROANOKE COUNTY, VIRGINIA

ES-1: UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS.

ES-2: THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE ON-SITE PRECONSTRUCTION CONFERENCE. ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

ES-3: ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.

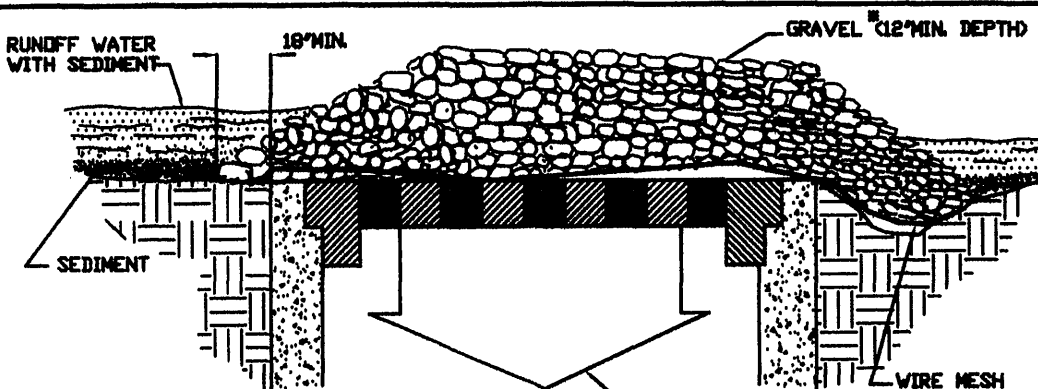
ES-4: A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND NARRATIVE, AS WELL AS A COPY OF THE LAND DISTURBING PERMIT, SHALL BE MAINTAINED ON THE SITE AT ALL TIMES. THE EROSION AND SEDIMENT CONTROL ADMINISTRATOR WILL DELIVER THESE MATERIALS AT THE ON-SITE PRECONSTRUCTION CONFERENCE.

ES-5: PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.

ES-6: THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.

ES-7: ALL DISTURBED AREAS ARE TO BE DRAINED TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING THE LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.

ES-8: DURING DEWATERING OPERATION, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.



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.

IP GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER

ES-9: THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL MEASURES SHALL BE MADE IMMEDIATELY. AN INSPECTION REPORT MUST BE FILED WITH THE BOYD/COUNTY EROSION AND SEDIMENT CONTROL ADMINISTRATOR ONCE EVERY TWO WEEKS, BEGINNING WITH COMMENCEMENT OF THE LAND DISTURBING ACTIVITY, AND WITHIN 48 HOURS OF ANY RUNOFF-PRODUCING RAINFALL EVENT. FAILURE TO SUBMIT A REPORT WILL BE GROUNDS FOR IMMEDIATE REVOCATION OF THE LAND DISTURBING PERMIT. REPORTS MUST BE POSTMARKED WITHIN 24 HOURS OF THE DEADLINE. A STANDARD INSPECTION REPORT FORM WILL BE SUPPLIED, WHICH SHOULD BE COMPLETED AS NECESSARY. THIS PROVISION IN NO WAY WAIVES THE RIGHT OF BOYD/COUNTY PERSONNEL TO CONDUCT SITE INSPECTIONS, NOR DOES IT DENY THE RIGHT OF THE PERMITTEE (S) TO ACCOMPANY THE INSPECTOR (S).

CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE FOLLOWING MINIMUM STANDARDS:

MS-1: THOUGH TS / PS LABELS ARE SHOWN GENERALLY ON THE PLANS, THE CONTRACTOR SHALL SEED ALL AREAS NOT INDICATED TO BE OTHERWISE STABILIZED WITH PERMANENT SEED MIXTURE WITHIN 7 DAYS OF REACHING FINAL GRADE OR WITH TEMPORARY SEED MIXTURE ANY AREA YET TO REACH FINAL GRADE BUT THAT IS NOT PROPOSED TO BE ACTIVELY INVOLVED IN THE WORK WITHIN 30 DAYS. THESE SEED MIXTURES AND APPLICATION SPECIFICATIONS ARE SHOWN HEREON. THE CONTRACTOR SHALL HONOR THE CLEARING AND GRADING LIMITS SHOWN ON THE PLAN.

MS-2: THE CONTRACTOR SHALL STABILIZE WITH TS AND PROTECT FROM EROSION, WITH ANY APPLICABLE METHOD, ALL STABLE AREAS, ANY ON-SITE OR OFF-SITE BORROW OR SPILL AREAS, AS APPLICABLE. APPROVAL OF THIS PLAN DOES NOT COVER OFF-SITE BORROW OR SPILL AREAS. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.

MS-3: WHERE TS/PS ARE NOT APPLICABLE PROVIDE OTHER MEANS OF STABILIZATION (CRS, ETC.) WITHIN 7 DAYS OF REACHING FINAL GRADE OR WITHIN 30 DAYS WHERE THE AREA IS YET TO REACH FINAL GRADE BUT IS NOT PROPOSED TO BE ACTIVELY INVOLVED IN THE WORK.

MS-4: ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED IN ADVANCE OF THE WORK THEY ARE INTENDED TO PROTECT.

MS-5: EARTHEN CONTROLS AND STRUCTURES SHALL BE STABILIZED IMMEDIATELY UPON INSTALLATION.

MS-6: WHERE A SEDIMENT TRAP (<3 ACRES OF DRAINAGE) OR SEDIMENT BASIN (>3 ACRES OF DRAINAGE) ARE INDICATED CALCULATIONS SHOWN ARE BASED ON OUTLINED DRAINAGE AREAS. CONTRACTOR SHALL HONOR INDICATED DRAINAGE DIVIDES AND CONFORM TO VOLUMES, DETAILS, ETC. PROVIDED ON PLANS.

MS-7: CARE HAS BEEN TAKEN IN DESIGN TO MINIMIZE DRAINAGE OVER SLOPES AND PROVIDE A SUITABLE PROTECTIVE STABILIZATION METHOD. CONTRACTOR SHALL PROTECT SLOPE AREAS DURING AND AFTER CONSTRUCTION FROM CONCENTRATED RUNOFF AND THE EROSION EFFECTS OF WIND AND RAIN. STABILIZE AS SOON AS PRACTICAL TO MINIMIZE EROSION.

MS-8: WHERE CONCENTRATED RUNOFF HAS BEEN ROUTED DOWN SLOPES CARE HAS BEEN TAKEN TO DESIGN AN ADEQUATE CHANNEL OR DRAIN. CONTRACTOR SHALL INSTALL THESE MEASURES ALONG WITH THEIR STABILIZATION AS SOON AS PRACTICAL TO PROTECT SLOPE.

NOT APPLICABLE; NO CHANNELS OR DRAINS ARE PROPOSED OVER SLOPES.

MS-9: NOT APPLICABLE; SEEPAGE THROUGH SLOPES IS NOT ANTICIPATED TO BE ENCOUNTERED ON THIS PROJECT.

MS-10: INLET OR CULVERT INLET PROTECTION IS PROPOSED FOR THE INLETS OF ALL STORM SEWERS OR CULVERTS ON-SITE. RLD SHALL INSURE PROPER INSTALLATION AND ASSURE ADEQUATE SIZING BASED ON DRAINAGE AREA OF EACH INLET.

MS-11: RLD SHALL VERIFY THAT ADEQUATE CHANNEL LININGS AND PROPER OUTLET PROTECTION IS IN PLACE PRIOR TO OPERATION OF STORM SEWER SYSTEM.

MS-12: WHEN WORKING IN AND AROUND A LIVE WATERCOURSE, THE CONTRACTOR SHALL TAKE GREAT CARE TO MINIMIZE IMPACT ON THE STREAM. ASSURE THAT PROPER PERMITS FROM DEQ / CDE ARE IN HAND PRIOR TO COMMENCING SUCH WORK.

MS-13: WHERE MORE THAN 2 TRIPS IN 6 MONTHS ARE EXPECTED ACROSS A LIVE WATERCOURSE OBTAIN THE NECESSARY PERMIT AND INSTALL A TEMPORARY STREAM CROSSING.

STREAM CROSSING IS NOT APPLICABLE; NO LIVE WATERCOURSES WILL BE DISTURBED BY THIS PROJECT.

MS-14: OTHER FEDERAL, STATE, AND LOCAL REGULATIONS MUST BE MET WHEN WORKING IN LIVE WATERCOURSES.

REGULATIONS PERTAINING TO LIVE WATERCOURSES ARE NOT APPLICABLE; NO LIVE WATERCOURSES WILL BE DISTURBED BY THIS PROJECT.

MS-15: THE BED AND BANKS OF DISTURBED WATERCOURSES MUST BE STABILIZED IMMEDIATELY.

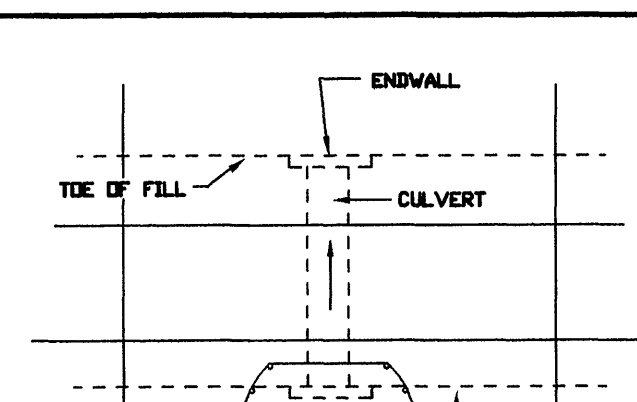
LIVE WATERCOURSE BED AND BANK STABILIZATION ARE NOT APPLICABLE; NO LIVE WATERCOURSES WILL BE DISTURBED BY THIS PROJECT.

MS-16: REGARDING UTILITY INSTALLATIONS, NO MORE THAN 500 LF OF TRENCH MAY BE OPEN AT A GIVEN TIME. EXCAVATED MATERIAL SHALL BE PLACED ON UPHILL SIDE OF TRENCH. EFFLUENT OF ANY Dewatering SYSTEM USED MUST BE FILTERED. TRENCHES SHALL BE PROPER BACKFILLED AND COMPACTED PER DETAIL AND SPEC. COMPLETED INSTALLATION SHALL BE RE-STABILIZED IMMEDIATELY.

MS-17: THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING MUD FROM TRUCKS AND / OR OTHER EQUIPMENT PRIOR TO ENTERING PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE STREETS ARE IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.

MS-18: SEE MAINTENANCE UNDER ESC NARRATIVE FOR REMOVAL OF TEMPORARY MEASURE.

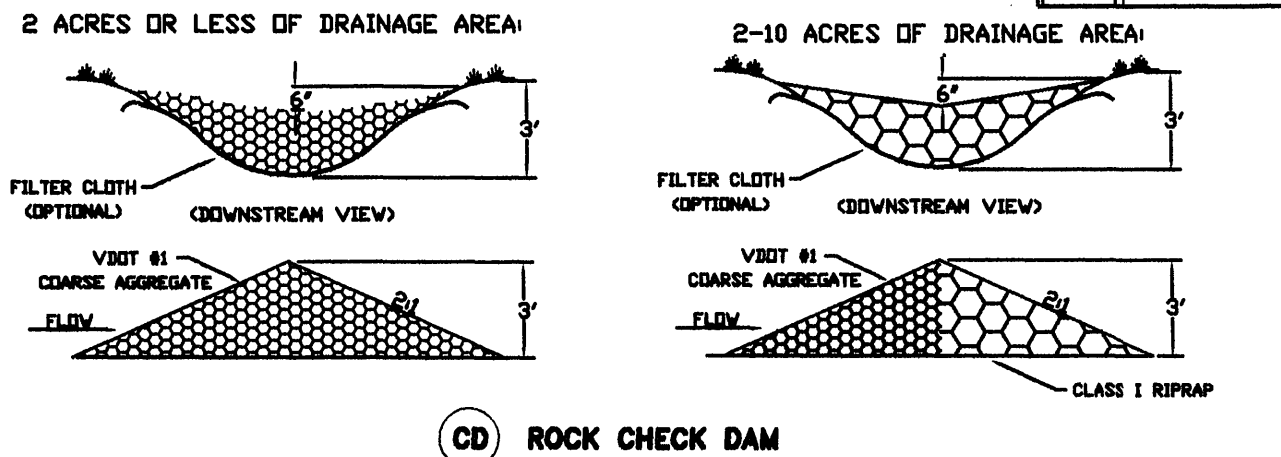
MS-19: (IF STORMWATER MANAGEMENT PROVIDED) INCREASES IN STORMWATER VOLUME, VELOCITY, AND PEAK RUNOFF HAVE BEEN ADDRESSED IN THE PLAN PER CALCULATIONS SUBMITTED FOR REVIEW. RESPONSIBLE LAND DISTURBER SHALL PAY PARTICULAR ATTENTION TO OFF-SITE AREAS CONTRIBUTE RUNOFF TO THE SITE, OFF-SITE LOCATIONS RECEIVING RUNOFF FROM THIS PROJECT, AND PROPER OPERATION OF STORMWATER MANAGEMENT PRACTICES ON-SITE. ALL DITCHES, SWALES, AND NATURAL WATERCOURSES DOWNSTREAM OF THIS PROJECT SHALL BE FIELD INSPECTED DURING AND AFTER CONSTRUCTION BY THE RLD TO ENSURE COMPLIANCE WITH DOR'S MS-18. IF EROSION OR SCOUR IS OCCURRING THE DEVELOPER SHALL BE RESPONSIBLE FOR ALL CORRECTIVE MEASURES.



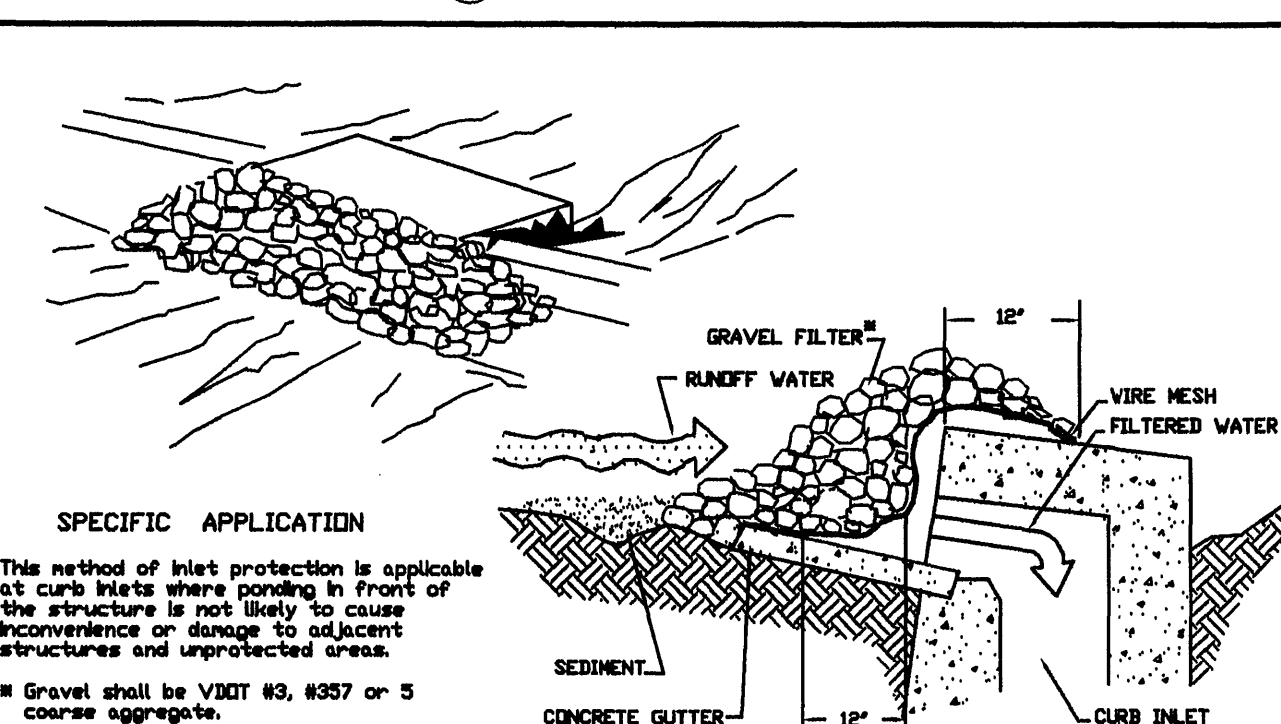
SPECIFIC APPLICATION:
 This method of inlet protection is applicable where heavy flows are expected and where an overflow capability and ease of maintenance are desirable.
 ■ DISTANCE IS 6' MINIMUM IF FLOW IS TOWARD EXCAVATION.

CIP SILT FENCE CULVERT INLET PROTECTION

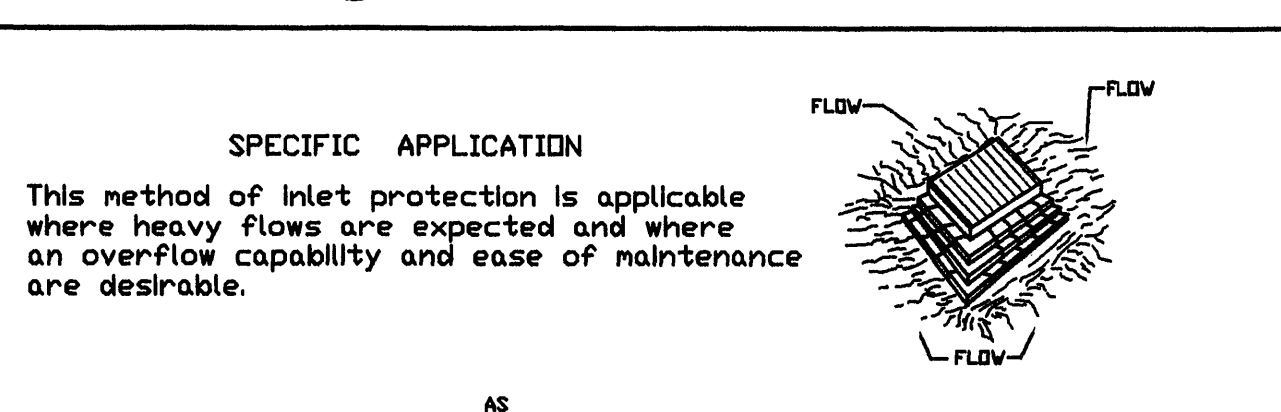
NO.	TITLE	KEY	SYMBOL	NO.	TITLE	KEY	SYMBOL
3.01	SAFETY FENCE	SAF		3.20	ROCK CHECK DAMS	CD	
3.02	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE STABILIZATION	CE		3.21	LEVEL SPREADER	LS	
3.03	STRAW BALE BARRIER	STB		3.22	VEGETATIVE STREAMBANK STABILIZATION	VSS	
3.04	SILT FENCE	SF		3.23	STRUCTURAL STREAMBANK STABILIZATION	SSS	
3.05	BRUSH BARRIER	BB		3.24	TEMPORARY VEHICULAR STREAM CROSSING	VSC	
3.06	STORM DRAIN INLET PROTECTION	IP		3.25	UTILITY STREAM CROSSING	USC	
3.07	CULVERT INLET PROTECTION	CIP		3.26	DEWATERING STRUCTURE	DS	
3.08	TEMPORARY DIVERSION DIKE	DD		3.27	TURBIDITY CURTAIN	TC	
3.09	TEMPORARY FILL DIVERSION	FD		3.28	SUBSURFACE DRAIN	SD	
3.10	TEMPORARY RIGHT-OF-WAY DIVERSION	RWD		3.29	SURFACE ROUGHENING	SR	
3.11	DIVERSION	DV		3.30	TOPSOILING	TD	
3.12	TEMPORARY SEDIMENT TRAP	ST		3.31	TEMPORARY SEEDING	TS	
3.13	TEMPORARY SEDIMENT BASIN	SB		3.32	PERMANENT SEEDING	PS	
3.14	TEMPORARY SLOPE DRAIN	TSD		3.33	SODDING	SD	
3.15	PAVED FLUME	PF		3.34	BERMUDA GRASS AND ZOISYAGRASS ESTABLISHMENT	BZ	
3.16	STORMWATER CONVEYANCE CHANNEL	SCC		3.35	MULCHING	MU	
3.17	OUTLET PROTECTION	OP		3.36	SOIL STABILIZATION BLANKETS AND MATTING	SM	
3.18	RIPRAP	RR		3.37	TREES, SHRUBS, VINES AND GROUND COVERS	VEG	
3.19	DUST CONTROL	DC		3.38	TREE PRESERVATION AND PROTECTION	TP	
				3.39			



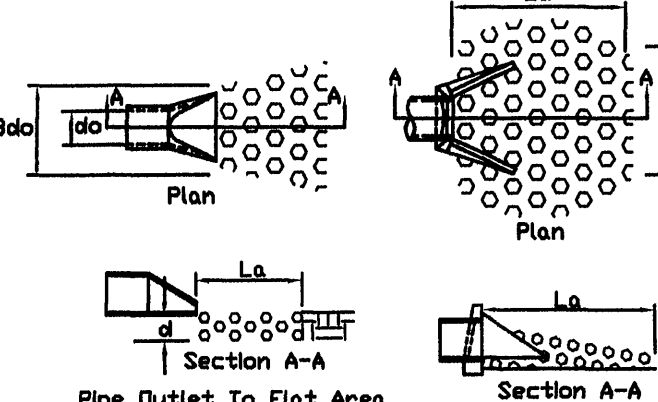
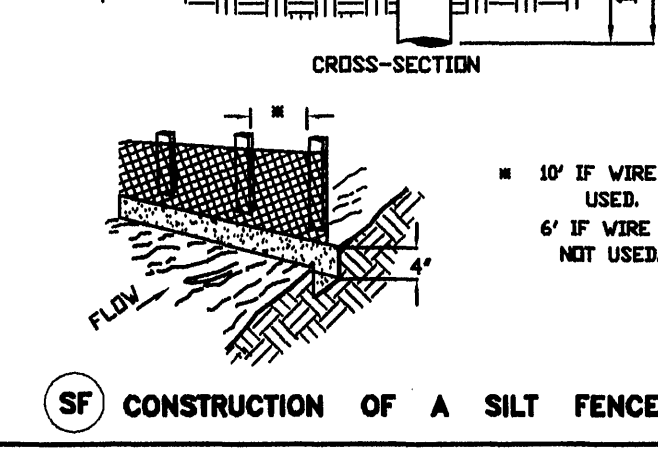
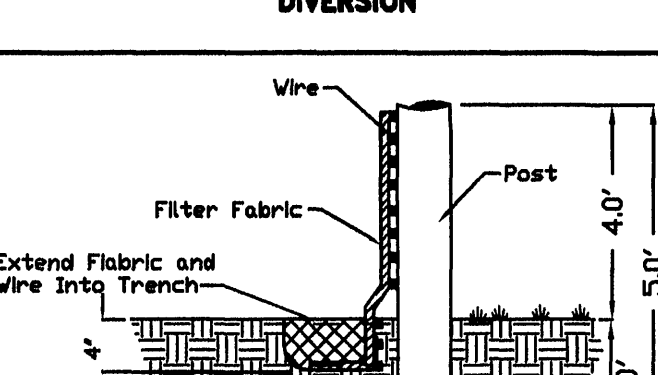
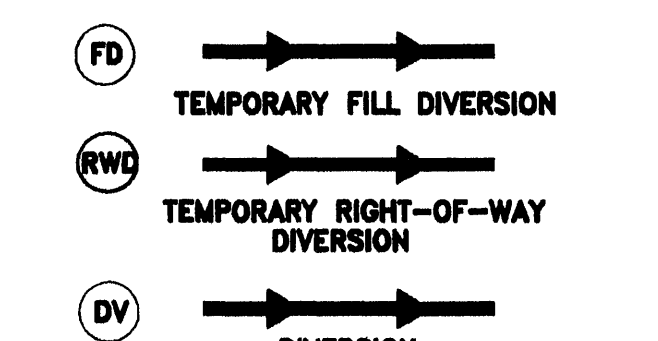
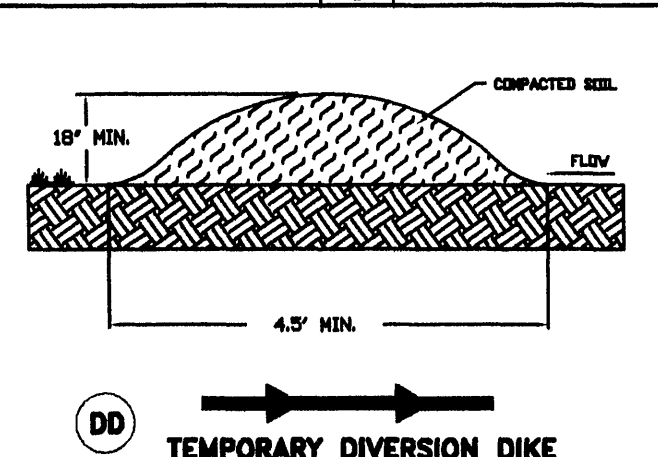
CD ROCK CHECK DAM



IP GRAVEL CURB INLET SEDIMENT FILTER

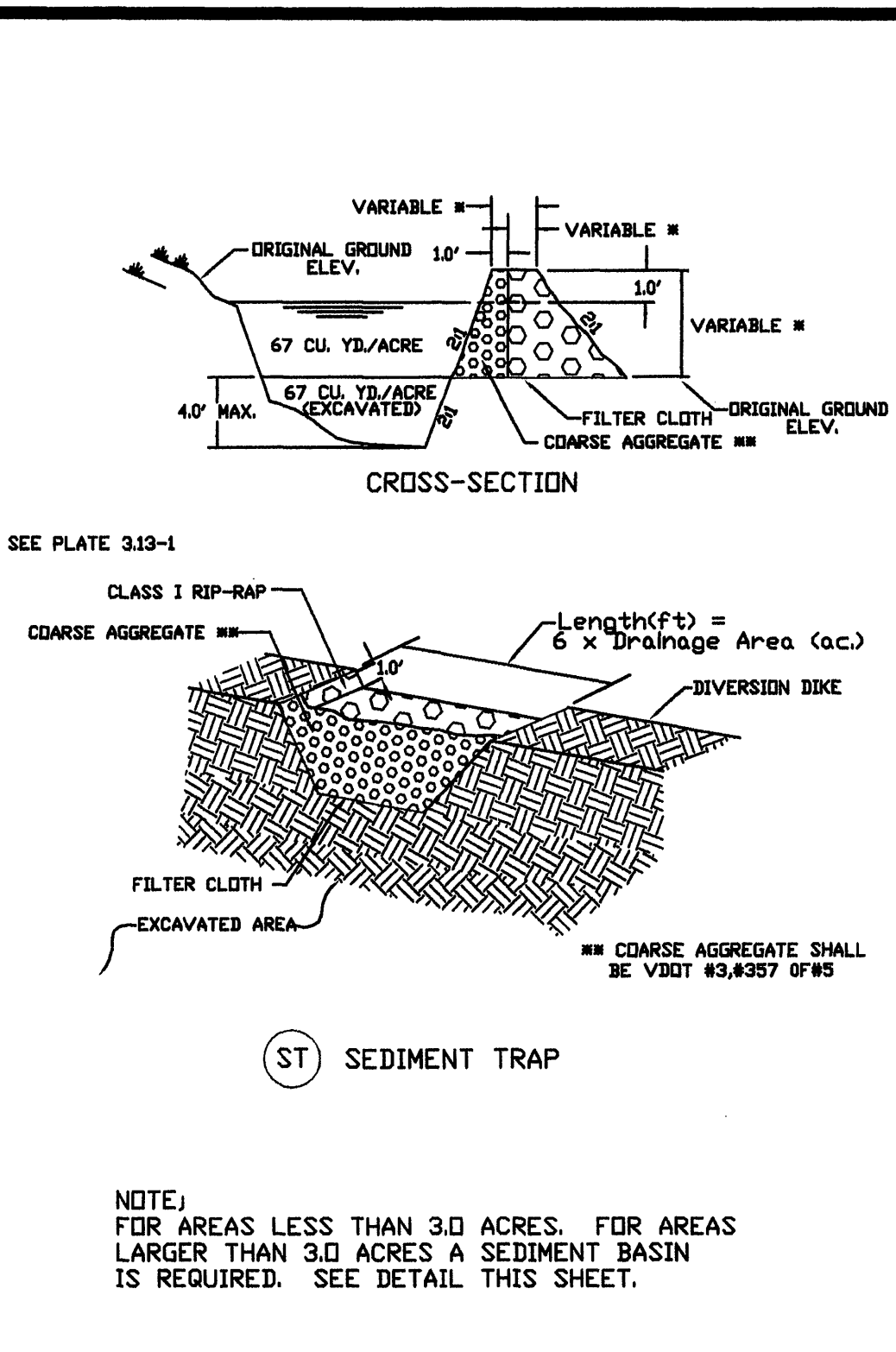


IP EXCAVATED DROP INLET SEDIMENT TRAP

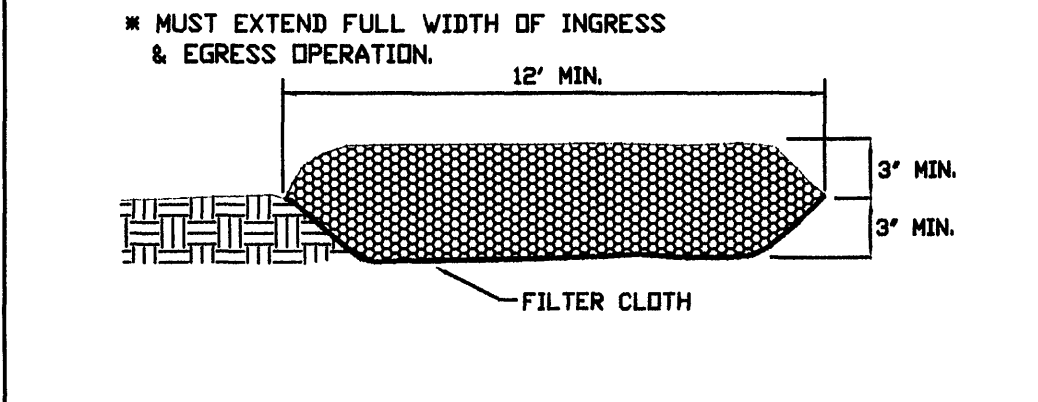
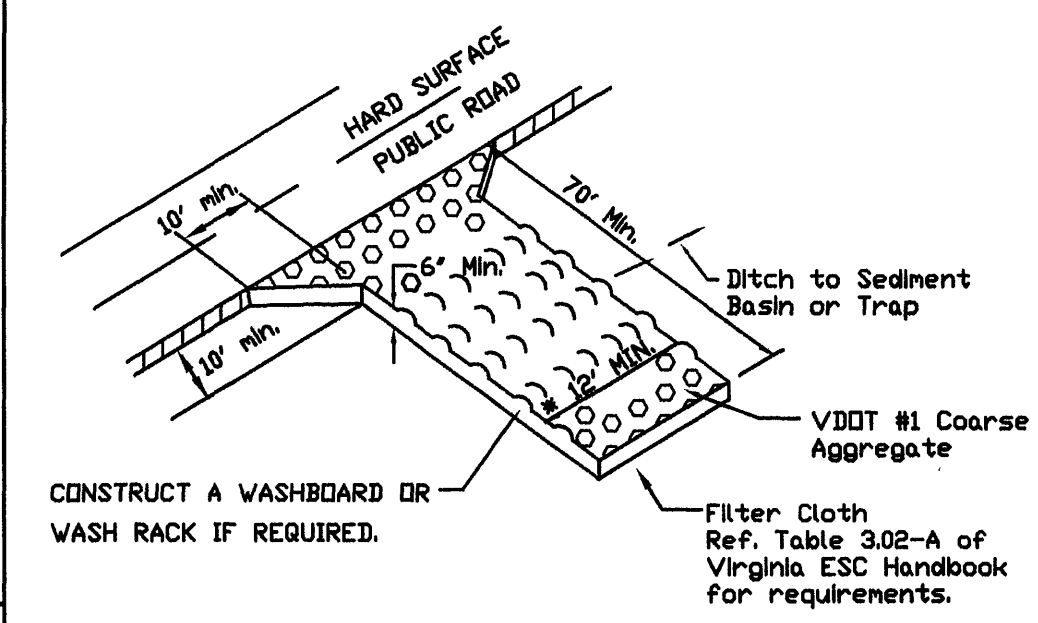


NOTES:
 1. Apron lining may be rip-rap, grouted rip-rap, or concrete.
 2. La is the length of the rip-rap apron as calculated using plates 1.36d and 1.36e.
 3. d = 1/2 times the medium stone diameter, but not less than 6'.

OP OUTLET PROTECTION



STRUCTURE	DRAINAGE AREA (ACRES)	STORAGE (C.Y.)		WEIR LENGTH (F.T.)	WEIR HEIGHT (F.T.)	BERM HEIGHT (F.T.)
		REQ'D	DESIGN			
1	1.3 AC	174 CY	204 CY	8'	2'	3'
		WET: 48' (L) x 25' (W) x 3.25' (D)				
		DRY: 56' (L) x 33' (W) x 2' (D)				
3	2.9 AC	389 CY	473 CY	18'	2'	3'
		WET: 94' (L) x 34' (W) x 2' (D)				
		DRY: 102' (L) x 42' (W) x 2' (D)				
4	2.0 AC	268 CY	278 CY	12'	1.5'	2.5'
		WET: 80' (L) x 28' (W) x 2' (D)				
		DRY: 102' (L) x 42' (W) x 1.5' (D)				
5	2.9 AC	389 CY	420 CY	18'	2'	3'
		WET: 83' (L) x 29' (W) x 3.25' (D)				
		DRY: 91' (L) x 37' (W) x 2' (D)				
2A & 2B	1.0 AC	134 CY	148 CY	18'	2'	3'
		TOP OF MET: 43' (L) x 28' (W) x 2' (D)				
		TOP OF DRY: 49' (L) x 34' (W) x 1.5' (D)				



NOTES:
 1. Apron lining may be rip-rap, grouted rip-rap, or concrete.
 2. La is the length of the rip-rap apron as calculated using plates 1.36d and 1.36e.
 3. d = 1/2 times the medium stone diameter, but not less than 6'.

CE TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

EROSION-SILTATION CONTROL COST ESTIMATE

(1) BONDED WITH APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR "WEDGEWOOD" DATED SEPTEMBER 8, 2004.

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
CONSTRUCTION ENTRANCE	EA	1	\$ 700.00	\$ 700.00
INLET PROTECTION	EA	19	\$ 75.00	\$ 1,425.00
CONSTRUCTION ROAD STABILIZATION	SY	1,200	\$ 2.00	\$ 2,400.00
TEMPORARY DIVERSION DIKE (1)	LF	950	\$ 2.00	\$ 1,900.00
SEDIMENT TRAP	EA	5	\$ 500.00	(1)
CHECK DAM	EA	2	\$ 75.00	\$ 150.00
TEMPORARY AND PERMANENT SEEDING	ACRE	7.8	\$ 1,000.00	(1)
OUTLET PROTECTION	EA	1	\$ 75.00	\$ 75.00
CULVERT INLET PROTECTION	EA	1	\$ 75.00	\$ 75.00
SILT FENCE	LF	350	\$ 3.00	\$ 1,050.00
SUB-TOTAL				\$ 7,775.00
10% CONTINGENCY				\$ 780.00
TOTAL PROJECT COST				\$ 8,555.00

ALL COSTS GIVEN ABOVE ARE COMPLETE IN PLACE

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- 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.
- 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.
- 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.
- IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED.
- 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.
- 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.

PLANTING DATES	SPECIES	RATE (LBS./ACRE)
SEPT. 1 - FEB. 15	50/50 MIX OF ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM)	50 - 100
FEB. 16 - APR. 30	CEREAL (WINTER) RYE (SECALE CEREALE)	60 - 100
MAY 1 - AUG. 31	ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM)	50
	GERMAN MILLET (SETARIA ITALICA)	

TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENuded AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.

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

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 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 SOILS, 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, CULPACKEER SEEDER, OR HYDROSEEDER ON A FIRM, FRIABLE, SEEDED, MAXIMUM SEEDING DEPTH SHALL BE 1/4 INCH.

TOTAL DISTURBED AREA = 10.2 AC.