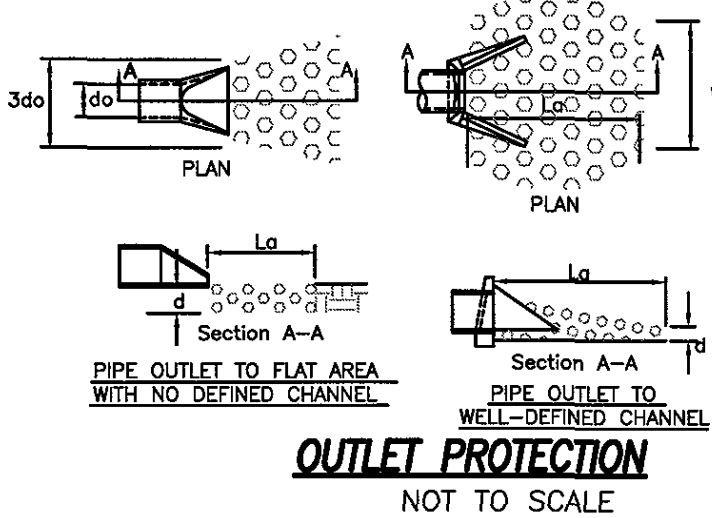


NO.	TITLE	KEY	SYMBOL	NO.	TITLE	KEY	SYMBOL
3.01	SAFETY FENCE	SAF		3.20	ROCK CHECK DAMS	CD	
3.02	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE STABILIZATION	CE		3.21	LEVEL SPREADER	LS	
3.03	STRAW BALE BARRIER	CHS		3.22	VEGETATIVE STREAMBANK STABILIZATION	VSS	
3.04	SILT FENCE	STF		3.23	STRUCTURAL STREAMBANK STABILIZATION	SSS	
3.05	BRUSH BARRIER	BB		3.24	TEMPORARY VEHICULAR STREAM CROSSING	USC	
3.06	STORM DRAIN INLET PROTECTION	IP		3.25	UTILITY STREAM CROSSING	USC	
3.07	CULVERT INLET PROTECTION	CHP		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	TEMPORARY SEDIMENT TRAP	ST		3.30	TOPSOILING	TS	
3.12	TEMPORARY SEDIMENT BASIN	SB		3.31	TEMPORARY SEEDING	TS	
3.13	TEMPORARY SLOPE DRAIN	TSB		3.32	PERMANENT SEEDING	PS	
3.14	PAVED FLUME	PF		3.33	SODDING	SO	
3.15	STORMWATER CONVEYANCE CHANNEL	SCC		3.34	BERMUDA GRASS AND ZOYSIAGRASS ESTABLISHMENT	BZ	
3.16	OUTLET PROTECTION	OP		3.35	MULCHING	MU	
3.17	RIPRAP	RR		3.36	SOIL STABILIZATION BLANKETS AND MATING TREES, SHRUBS, VINES AND GROUND COVERS	VEG	
3.18				3.37	TREE PRESERVATION AND PROTECTION	TP	
3.19				3.38	DUST CONTROL	DC	

PROJECT DTC PHASE 2 STORMWATER MANAGEMENT

THIS PROJECT WILL REQUIRE A VIRGINIA STORMWATER MANAGEMENT PERMIT. CONTRACTOR SHALL MAINTAIN AN UPDATED STORMWATER POLLUTION PREVENTION PLAN ONSITE AT ALL TIMES.



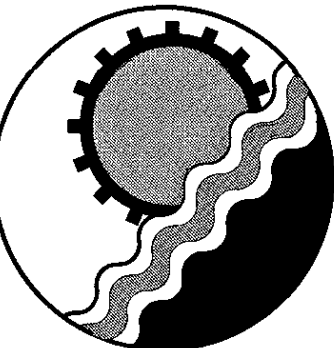
OUTLET PROTECTION
NOT TO SCALE

MANAGEMENT STRATEGIES

- CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
- SEDIMENT TRAPPING MEASURES WILL BE INSTALLED AS A FIRST STEP IN GRADING AND WILL BE SEEDED AND MULCHED IMMEDIATELY FOLLOWING INSTALLATION. ALL OTHER EROSION CONTROL MEASURES SHALL ALSO BE INSTALLED AT THIS TIME.
- TEMPORARY SEEDING OR OTHER STABILIZATION WILL IMMEDIATELY FOLLOW GRADING.
- AREAS WHICH ARE NOT TO BE DISTURBED WILL BE CLEARLY MARKED BY FLAGS, SIGNS, ETC.
- THE JOB SUPERINTENDENT SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES.
- AFTER ACHIEVING ADEQUATE STABILIZATION, THE TEMPORARY EAS CONTROLS WILL BE REMOVED AND AREAS RESTORED TO PLAIN FINISH GRAD AND RECEIVED PRIOR APPROVAL FROM THE BOTETOURT COUNTY INSPECTOR IS REQUIRED PRIOR TO REMOVAL OF ANY MEASURES.

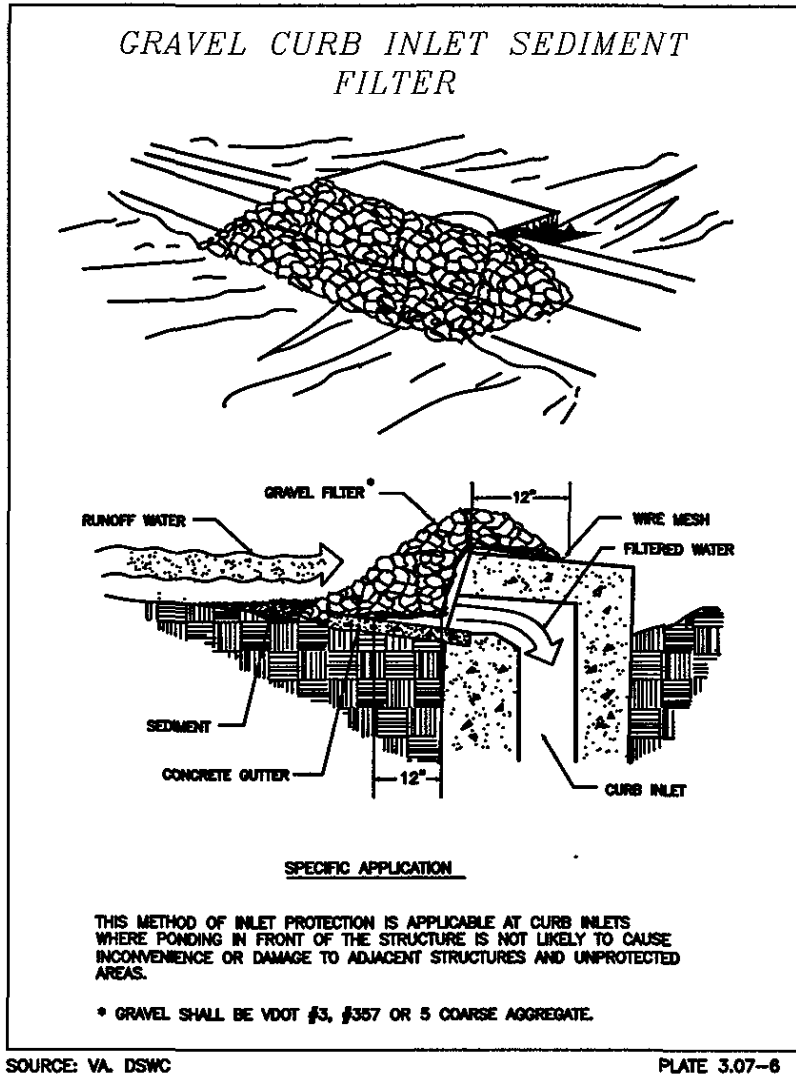
GENERAL EROSION & SEDIMENT CONTROL NOTES

- 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.
- IF TREE PROTECTION MEASURES SHOULD BE INSTALLED FOR ANY TREES NOT TO BE REMOVED THAT WILL BE ADJACENT TO CONSTRUCTION ACTIVITIES.



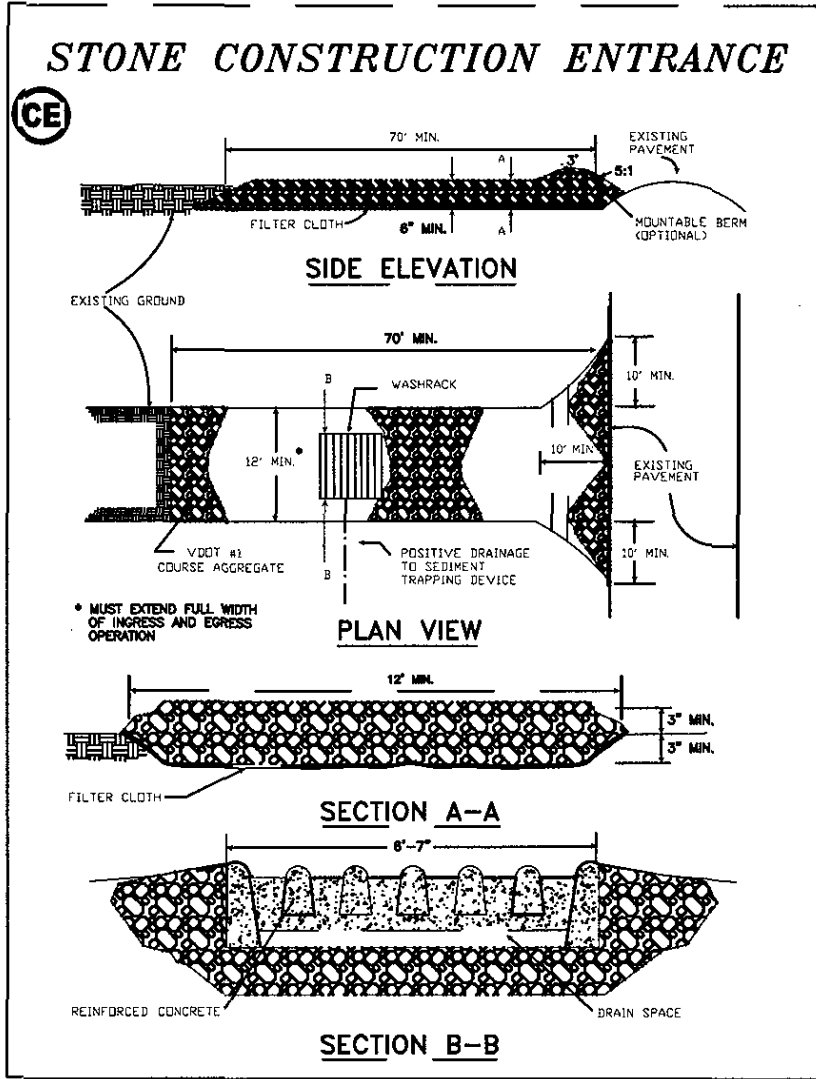
ENGINEERING CONCEPTS, INC.

94 GREENFIELD STREET
DALEVILLE, VIRGINIA 24083
540.473.1253



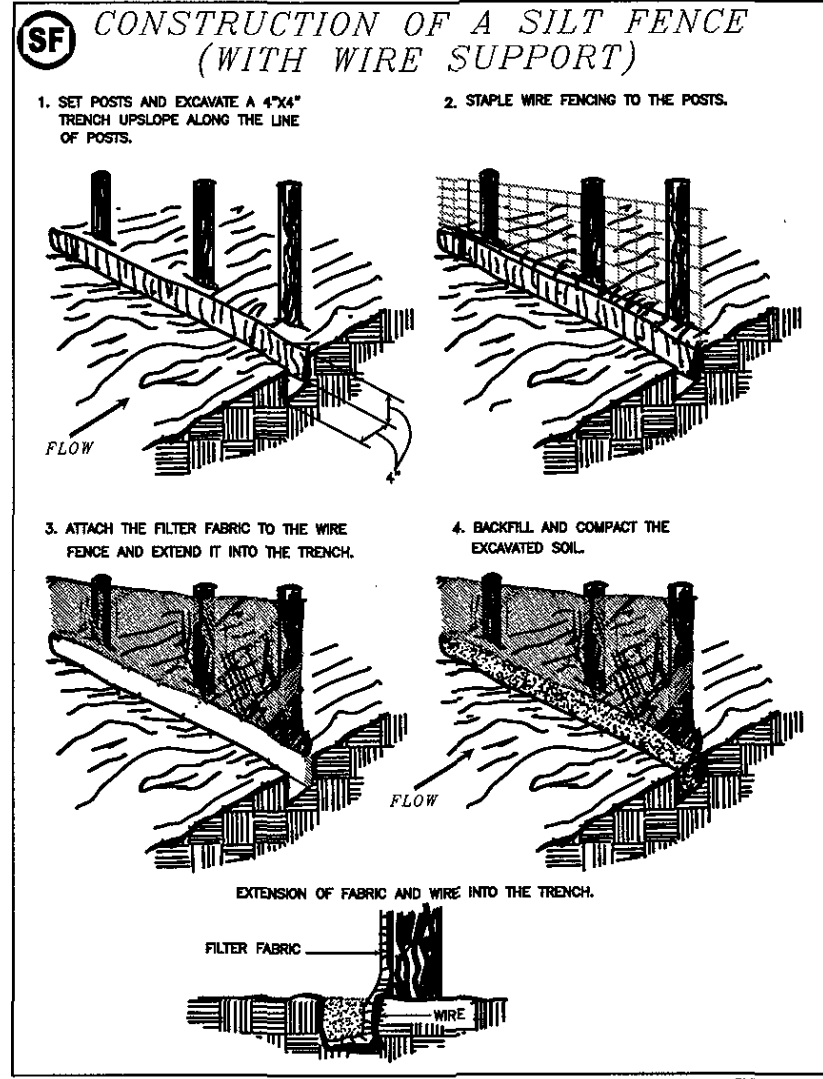
SOURCE: VA, DSWC

PLATE 3.07-8



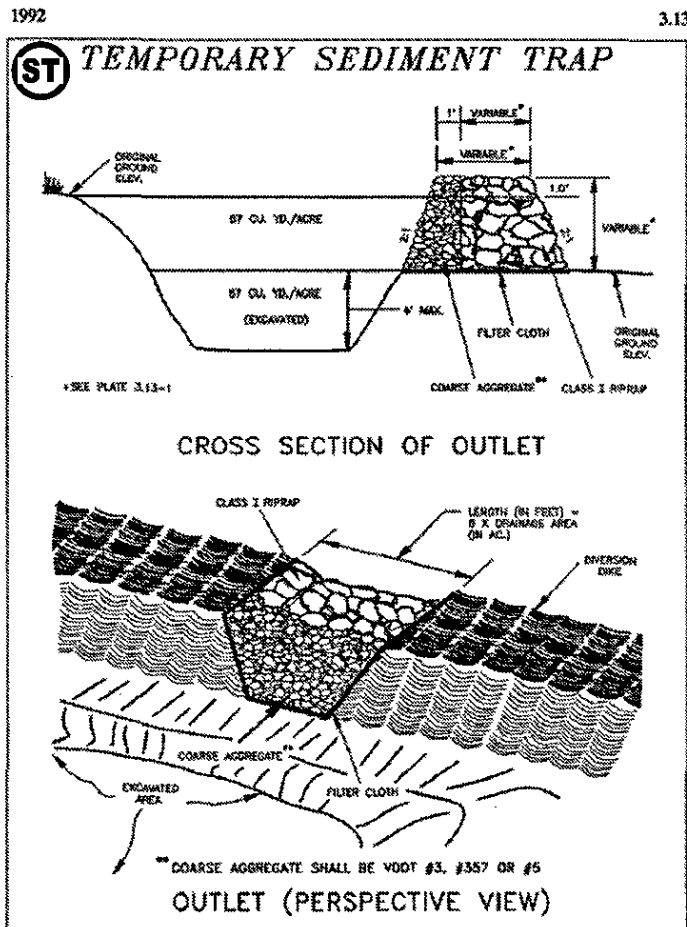
SOURCE: ADAPTED FROM 1985 Working Standards for Soil erosion and Sediment Control, and VA, DSWC

PLATE 3.08-1



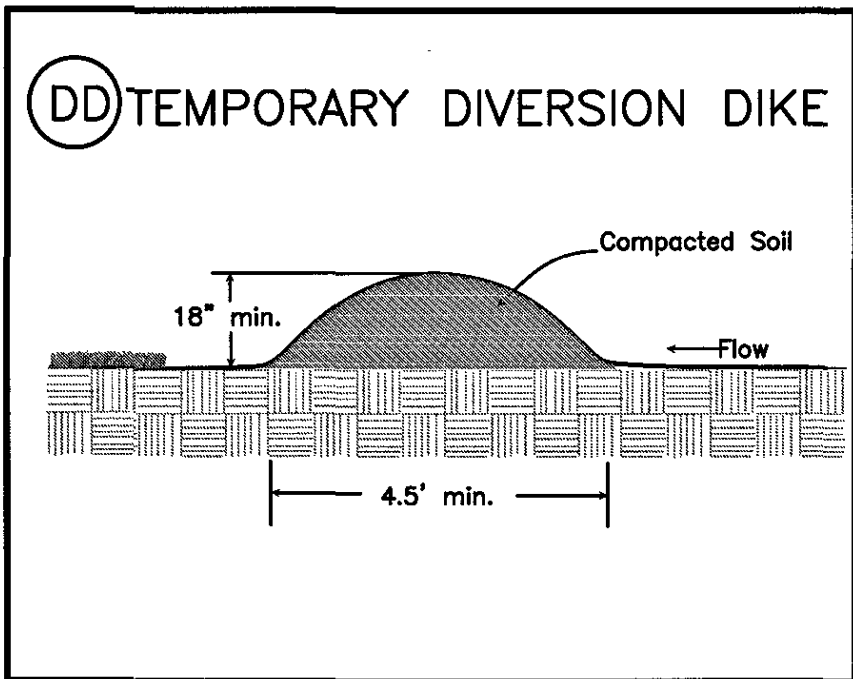
SOURCE: ADAPTED FROM Installation of Stone and Fabric Filter Barriers for Sediment Control, Second Edition

PLATE 3.06-1



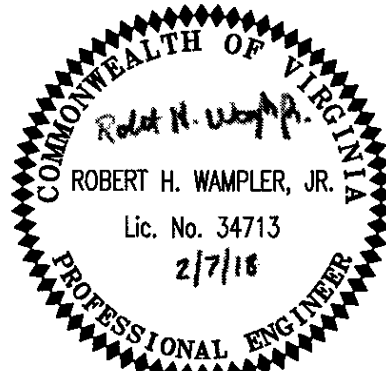
SOURCE: VA, DSWC

PLATE 3.13-3



EROSION - SILTATION CONTROL COST ESTIMATE				
ALL COSTS GIVEN ARE COMPLETE IN PLACE				
DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
CONSTRUCTION ENTRANCE	EA	1	\$ 1,500	\$ 1,500
SILT FENCE	LF	760	6.00	4,560
INLET PROTECTION	EA	10	625	6,250
OUTLET PROTECTION	EA	1	625	625
TS - PS - MU	AC	2.6	1,500	3,900
DIVERSION DIKE	LF	795	6.0	4,770
SEDIMENT TRAP	LS	1	3,000	3,000
SUB-TOTAL				\$ 24,605
10% CONTINGENCY				\$ 2,460.5
TOTAL PROJECT COST				\$ 27,066

TOTAL DISTURBED AREA: 2.61 ACRES



Drawn MsMj	EROSION & SEDIMENT CONTROL DETAILS DTC MULTIFAMILY - PHASE 2 DALEVILLE TOWN CENTER BOTETOURT COUNTY, VIRGINIA	SCALE: AS SHOWN
Designed ECI		DATE: FEB 7, 2018
Checked RHW		PROJECT: 17055
Approved RHW		C15