

[illegible]

1. STAPLE FILTER MATERIAL TO STAGES AND EXTEND IT INTO THE TRENCH

2. BACKFILL AND COMPACT THE EXCAVATED SOIL

3. STAPLE FILTER MATERIAL TO STAGES AND EXTEND IT INTO THE TRENCH

4. BACKFILL AND COMPACT THE EXCAVATED SOIL

POINTS A SHOULD BE HIGHER THAN POINT B
DRAINAGEWAY INSTALLATION
(FRONT ELEVATION)

This diagram illustrates a rubble pile structure designed for inlet protection. It shows a cross-section of the pile with a gravel filter layer on top, a concrete gutter at the base, and a wire mesh filter on the right side. Labels include: 'RUNOFF WATER', 'GRAVEL FILTER', 'WIRE MESH FILTERED WATER', 'SEDIMENT', 'CONCRETE GUTTER', and 'CURB PILE'. Dimensions are indicated: '12\"' for the gravel filter layer, '12\"' for the concrete gutter, and '12\"' for the wire mesh filter. A small inset shows a detail of the wire mesh filter.

Diagram illustrating a culvert structure with a drop structure. The culvert is shown in cross-section, with flow entering from the top. A drop structure is located at the entrance, with a 'TOE OF FALL' line indicating the point of entry. The culvert is labeled 'CULVERT' and 'CHANNEL'. A 'SELF PROTECT' label is at the bottom. A note at the bottom right states: '* DISTANCE IS 1' MINIMUM IF FLOW IS TOWARD ENTRANCEMENT'.

1. ALL SEDIMENT TRAPPINGS WILL BE CHECKED REGULARLY FOR NECESSARY SEDIMENT REMOVAL.
2. ALL STORM DRAIN INLETS AND OUTLETS WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP.
3. ALL SILT BARRIERS WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION.
4. ALL SEEDED AREAS WILL BE CHECKED REGULARLY TO SEE THAT GOOD STABILIZATION IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEDED AS NEEDED.

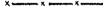
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1. EROSION CONTROL DEVICES TO BE IN PLACE PRIOR TO ANY GRADING OPERATIONS.
2. REGULAR MAINTENANCE IS TO BE PERFORMED AS NEEDED FOLLOWING EACH RAINFALL.
3. ALL CUT AND FILL SLOPES TO BE SEEDDED AND MULCHED AS SOON AS POSSIBLE AFTER GRADING OF LOTS.
4. EROSION CONTROL DEVICES TO REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE ADEQUATE GROUND COVER.
5. THIS PLAN TO BE APPROVED AND LAND DISTURBANCE PERMIT TO BE OBTAINED PRIOR TO GRADING OF LOTS.
6. UPON INSPECTION OF THE EROSION CONTROL DEVICES THE COUNTY ENGINEER MAY REQUIRE THAT FURTHER STEPS BE TAKEN TO CONTROL SILT.
7. REFERENCES TO STANDARD DRAWINGS REFER TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION, 1992.

1. ALL EROSION & SEDIMENT CONTROL PRACTICES & PROCEDURES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK.
2. OWNER/DEVELOPER GRANTS RIGHT OF ENTRY TO COUNTY PERSONNEL FOR THE PURPOSE OF MONITORING COMPLIANCE WITH THE CODE OF VIRGINIA, EROSION & SEDIMENT CONTROL LAW (TITLE 21, CHAPTER 1, ARTICLE 6.1).
3. BUILDING PERMITS WILL NOT BE ISSUED UNTIL THE INITIAL EROSION & SEDIMENT CONTROL MEASURES REFLECTED IN THE APPROVED PLANS HAVE BEEN PROPERLY INSTALLED.
4. EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AFTER EACH RAINFALL AND DAILY DURING PERIODS OF PROLONGED RAINFALL. MAINTENANCE IS THE RESPONSIBILITY OF THE DEVELOPER.
5. ALL SILTATION CONTROLS SHALL BE IN PLACE PRIOR TO CLEARING, STRIPPING OF TOPSOIL, OR GRADING.
6. ALL DETAILS ARE FROM THE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK. THE HANDBOOK SHALL SUPPLANT THIS SHEET SHOULD A DISCREPANCY EXIST.

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
CONSTRUCTION ENTRANCE	EA.	1	900.00	900.00
SILT FENCE	L.F.	450	3.00	1,350.00
STORM DRAIN INLET PROTECTION	EA.			
CULVERT INLET PROTECTION	EA.	2	50.00	100.00
TEMPORARY DIVERSION DIKE	L.F.	1130	2.00	2,260.00
TEMPORARY RIGHT-OF-WAY DIVERSION	L.F.			
TEMPORARY SEDIMENT TRAP	EA.	2	900.00	1,800.00
TEMPORARY SEDIMENT BASIN	EA.			
OUTLET PROTECTION	EA.	2	75.00	150.00
ROCK CHECK DAMS	EA.			
PERMANENT SEEDING	AC.	3.2	700.00	2,240.00
SUBTOTAL				8,800.00
10% CONTINGENCY				880.00
TOTAL				\$9,680.00

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NO.	KEY	DESCRIPTION	SYMBOL
3.02	CE	CONSTRUCTION ENTRANCE	
3.05	SF	SILT FENCE	
3.07	IP	STORM DRAIN INLET PROTECTION	
3.08	CIP	CULVERT INLET PROTECTION	
3.09	DD	TEMPORARY DIVERSION DIKE	
3.11	RWD	TEMPORARY RIGHT-OF-WAY DIVERSION	
3.13	TST	TEMPORARY SEDIMENT TRAP	
3.14	SB	TEMPORARY SEDIMENT BASIN	
3.18	OP	OUTLET PROTECTION	
3.20	CD	ROCK CHECK DAMS	
3.32	PS	PERMANENT SEEDING	

REVISION	DATE	DESCRIPTION	
DESIGNED		EROSION CONTROL DETAIL SHEET FOR THE COTTAGES OF THE WATERFRONT PREPARED FOR WILLARD CONSTRUCTION CO. OF ROANOKE VALLEY, INC. GILLS CREEK MAGISTERIAL DISTRICT FRANKLIN COUNTY, VIRGINIA	
DRAWN			
CHECKED			
LUMSDEN ASSOCIATES, P.C. ENGINEERS - SURVEYORS - PLANNERS ROANOKE, VIRGINIA		SCALE: NONE DATE: 11 APRIL 1997	COMM: #96-73 SHEET 65 of 68