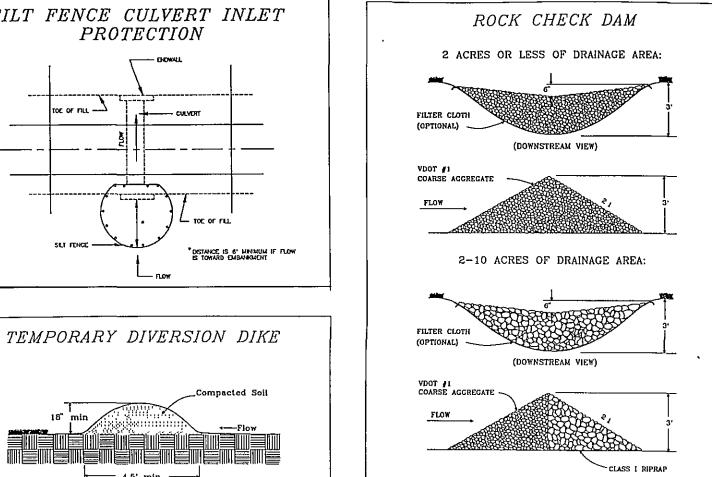


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ALL AREAS DISTURBED BY CONSTRUCTION WILL BE STABILIZED WITH PERMANENT SEEDING WITHIN 7 DAYS OR IMMEDIATELY FOLLOWING FINISH GRADING. SEEDING WILL BE DONE ACCORDING TO STANDARD AND SPECIFICATION 3.32 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. PERMANENTLY SEEDED AREAS SHALL BE PROTECTED DURING ESTABLISHMENT WITH STRAW MULCH.

<u>MAINTENANCE</u>

IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL. THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:

- 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
- 4. ALL SEEDED AREAS WILL BE CHECKED REGULARLY TO SEE THAT GOOD STABILIZATION IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEEDED AS NEEDED.

EROSION CONTROL NOTES:

- 1. EROSION CONTROL DEVICES TO BE IN PLACE PRIOR TO ANY GRADING OPERATIONS,
- 2. REGULAR MAINTENANCE IS TO BE PERFORMED AS NEEDED FOLLOWING
- 3. ALL CUT AND FILL SLOPES TO BE SEEDED 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.

GENERAL NOTES:

- 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.

EROSION AND SEDIMENT CONTROL COST ESTIMATE					
DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	
CONSTRUCTION ENTRANCE	EA.	1	900.00	900.00	
SILT FENCE	L.F.	110	3.00	330.00	
STORM DRAIN INLET PROTECTION	EA.	8	50.00	400.00	
CULVERT INLET PROTECTION	EA.	2	100.00	200.00	
TEMPORARY DIVERSION DIKE	L.F.	3,600	2.00	7,200.00	
TEMPORARY RIGHT-OF-WAY DIVERSION	L.F				
TEMPORARY SEDIMENT TRAP	EA.	7	900.00	6,300.00	
TEMPORARY SEDIMENT BASIN	EA.				
OUTLET PROTECTION	EA.	2	75.00	150.00	
ROCK CHECK DAMS	EA.	2	50.00	100.00	
PERMANENT SEEDING	1000 SF	522.70	35.00	18,295.00	
SUBTOTAL				33,875.00	
10% CONTINGENCY	3,387.00				
TOTAL				37,262.00	

TEMPORARY SEDIMENT TRAP DATA										
STRUCTURE	DRAINAGE	STORAGE			EMBANKMENT		OUTLET			
	AREA	WET/DRY VOL. REQUIRED	WIDTH	LENGTH	WET DEPTH	DRY DEPTH	HEIGHT	TOP WIDTH	HEIGHT	LENGTH
ST1	.92 AC.	124	25	75	1.04	.96	3.0	2.5	2.0	6.0
ST2	1.4 AC.	188	32	85	1.33	.67	3.0	2.5	2.0	8.5
ST3	2.77 AC.	372	42	84	2.49	.51	4.0	3.0	3.0	17.0
ST4	1.19 AC.	160	34	68	1.22	.78	3.0	2.5	2.0	7.5
ST5	2.01 AC.	270	45	85	1.53	.47	3.0	2.5	2.0	12.
ST6	2.15 AC.	288	46	87	1.49	.45	3.0	2.5	2.0	13.
ST7	1.74 AC.	233	47	70	1.36	.55	3.0	2.5	2.0	11.
1										

EROSION CONTROL LEGEND

NO.	KEY	DESCRIPTION	SYMBOL
3.02	CE	CONSTRUCTION ENTRANCE	
3.05	SF	SILT FENCE	X X X
3.07	ſΡ	STORM DRAIN INLET PROTECTION	③
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	2(95)2-

REVISION	DATE		DESCRIPTION		
DESIGNED	BMP	EROSION CONTROL DETAIL SHEET FOR			
DRAWN	³ 46	"ROSEWALK"			
CHECKED /	M6W	PREPARED FOR DOMINION DEVELOPERS, INC.			
			ROANOKE, VIRGINIA		
LUMS	SDEN AS	SSOCIATES, P.C.	SCALE: AG GHOWN	COMM: #93-677	

DATE: 4 APRIL 1994 | SHEET 9 of 9

ENGINEERS-SURVEYORS-PLANNERS

ROANOKE, VIRGINIA