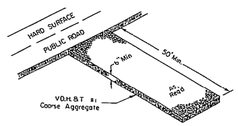
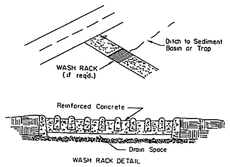
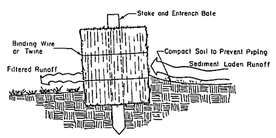
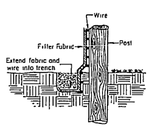




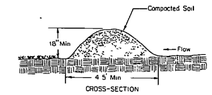
(CE) TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



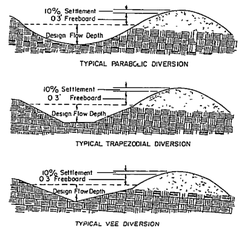
(STB) STRAW BALE BARRIER



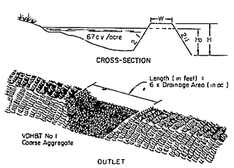
(SF) SILT FENCE



(DD) TEMPORARY DIVERSION DIKE

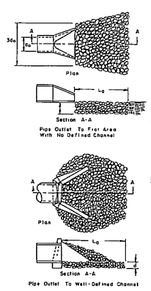


(DV) DIVERSION



H	Hp	W
1.5	0.5	2.0
2.0	1.0	2.0
2.5	1.5	2.5
3.0	2.0	2.5
3.5	2.5	3.0
4.0	3.0	3.0
4.5	3.5	4.0
5.0	4.0	4.5

(ST) SEDIMENT TRAP

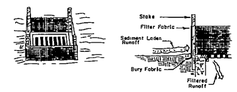


Notes.

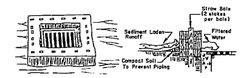
1. Apron lining may be riprap, grouted riprap, or concrete
2. L_p is the length of the riprap apron as calculated using Plates 1.36F and 1.36G.
3. d = 1.5 times the maximum stone diameter but not less than 6".

PIPE OUTLET CONDITIONS

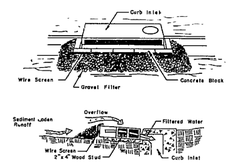
(OP) OUTLET PROTECTION



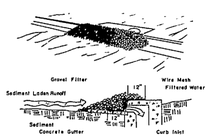
FABRIC DROP INLET SEDIMENT FILTER



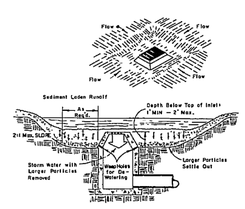
STRAW BALE DROP INLET SEDIMENT FILTER



BLOCK AND GRAVEL CURB INLET SEDIMENT FILTER

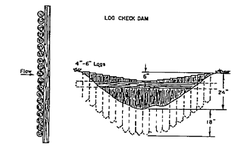


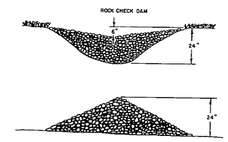
Gravel Curb Inlet Sediment Filter



EXCAVATED DROP INLET SEDIMENT TRAP

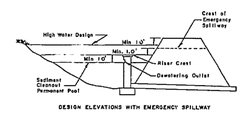
(IP) STORM DRAIN INLET PROTECTION



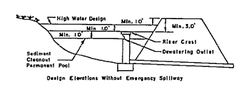


SPACING BETWEEN CHECK DAMS

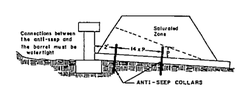
(CD) CHECK DAM

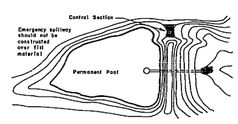


DESIGN ELEVATIONS WITH EMERGENCY SPILLWAY



Design Elevations Without Emergency Spillway





(SB) TEMPORARY SEDIMENT BASIN

EROSION-SILTATION CONTROL COST ESTIMATE

ALL COSTS GIVEN ARE COMPLETE IN PLACE

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
DIVERSION DIKE	L.F.			
STRAW BALE BARRIER	L.F.			
CRUSHED STONE	TON			
SOD	SY			
SEEDING OPERATION	1000 S.F.	100	60.00	6,000.00
TEMP. SEDIMENT BASIN	JOB			
INLET PROTECTION	EA.	15	50.00	750.00
SILT FENCE	L.F.	900	.75	675.00
EC-1 TYPE B	S.Y.	17	45.00	765.00
EC-1 TYPE A	S.Y.	23	35.00	805.00
CONSTRUCTION ENT.	EA.	1	500.00	500.00
CHECK DAM	EA.	2	250.00	500.00
TOTAL PROJECT COST				9,995.00

GENERAL NOTES

1. ALL EROSION & SEDIMENT CONTROL PRACTICES & PROCEEDURES 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.

TEMPORARY SEDIMENT TRAP DATA

STRUCTURE	DRAINAGE AREA (ACRES)	STORAGE (C.Y.)		WEIR LENGTH (FEET)	WEIR HEIGHT (FEET)	BERM HEIGHT (FEET)
		REQUIRED	DESIGN			

County of Roanoke

EROSION & SILTATION CONTROL DETAILS

PLAN NAME: ROANOKE HYUNDAI
OWNER: LEWIS-GIBBS CORPORATION
DEVELOPER: SAME
ENGINEER: BUFORD T. LUMSDEN & ASSOCIATES, P.C.
MAGISTERIAL DISTRICT: CATAWBA
TAX MAP NO.: 27.13 SECTION NO.: 4 PARCEL NO.: 1
TOTAL AREA: 9.62 Ac. PRESENT ZONING:
DATE: SHEET 7 OF 10

* 85-541G

MIDWEST PRODUCTS CO.
MICRO CUT PRECISION WOOD PRODUCTS
400 S. INDIANA ST., HOBART, IND. 46342