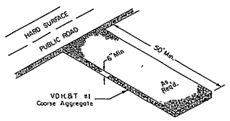
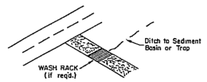
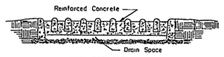
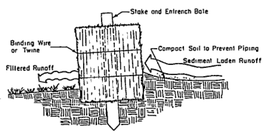






WASH RACK DETAIL

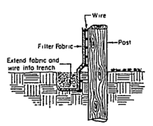
(CE) TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



CROSS - SECTION

Points A higher than point B
PLACEMENT IN DRAINAGE WAY

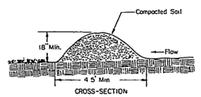
(STB) STRAW BALE BARRIER



CROSS - SECTION

Points A higher than point B
PLACEMENT IN DRAINAGE WAY

(SF) SILT FENCE



CROSS-SECTION

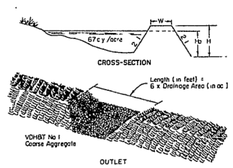
(DD) TEMPORARY DIVERSION DIKE

TYPICAL PARABOLIC DIVERSION

TYPICAL TRAPEZODIAL DIVERSION

TYPICAL VEE DIVERSION

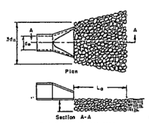
(DV) DIVERSION



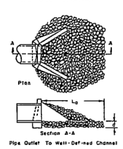
OUTLET

H	Ho	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



Pipe Outlet To Flat Area With No Defined Channel



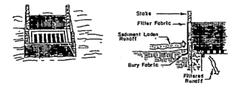
Pipe Outlet To Well-Defined Channel

Notes.

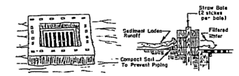
1. Apron lining may be riprap, grouted riprap, or concrete.
2. C_a is the length of the riprap apron or concreted wing Plates 1.36d and 1.36a.
3. d = 1.5 times the maximum stone diameter but not less than 6".

PIPE OUTLET CONDITIONS

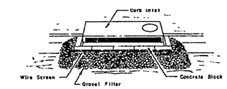
(OP) OUTLET PROTECTION



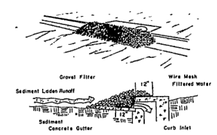
FABRIC DROP INLET SEDIMENT FILTER



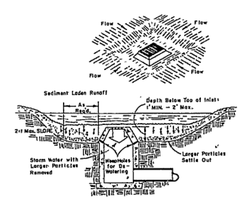
STRAW BALE DROP INLET SEDIMENT FILTER



BLOCK AND GRAVEL CURB INLET SEDIMENT FILTER

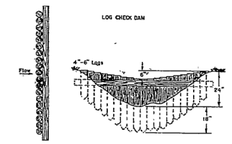


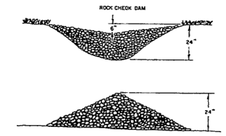
Gravel Curb Inlet Sediment Filter

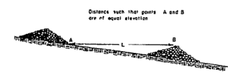


EXCAVATED DROP INLET SEDIMENT TRAP

(IP) STORM DRAIN INLET PROTECTION

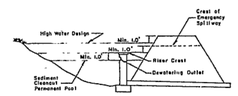




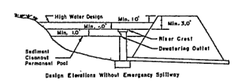


SPACING BETWEEN CHECK DAMS

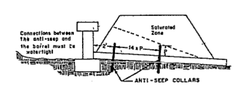
(CD) CHECK DAM

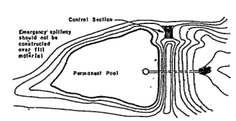


DESIGN ELEVATIONS WITH EMERGENCY SPILLWAY



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.	300	3.00	900.00
STRAW BALE BARRIER	L.F.			
CRUSHED STONE	TON			
SOD	S.Y.			
SEEDING OPERATION	~~1000 S.Y.~~ AC.	1.0	1,000.00	1,000.00
TEMP. SEDIMENT BASIN	JOB			
CHECK DAM	EA	5	50.00	250.00
INLET PROTECTION	EA	1	75.00	75.00
TOTAL PROJECT COST				2,225.00

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			

RESUB'D. OF LOT 1 & P/O LOT 2, SEC. 8
SOUTHERN PINES (P.B. 2 PG. 138)

County of Roanoke

EROSION & SILTATION CONTROL DETAILS

PLAN NAME:
OWNER: IVAN H. WINSTON, JR.
DEVELOPER: SAME
ENGINEER: BUFORD T. LUMSDEN & ASSOCIATES
MAGISTERIAL DISTRICT: CAVE SPRING
TAX MAP NO.: SECTION NO PARCEL NO.:
TOTAL AREA: PRESENT ZONING:
DATE: 29 APRIL 1988 SHEET 6 OF 8

RC-2833 #86-754