N:\PROJECTS\97\97024\DWGS\SUBMIT\ESCDET.DWG [9704205A.PLT]

GENERAL NOTES

ES-1 UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS.

ES-2 THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRECONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

ES-3 ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING

ES-4 A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

ES-5 PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.

ES-6 THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.

ES-7 ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.

ES-8 DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.

ES-9 THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.

TYPE A	TYPE B (SLOPES 3:1 OR STEEPER)
15 OCTOBER TO 1 FEBRUARY K-31 FESCUE @ 5 LB / 1000 SF BORZY WINTER RYE @ 1/2 LB / 1000 SF	15 MARCH TO 1 MAY CROWN VETCH @ 1/2 LB / 1000 SF PERENNIAL RYEGRASS @ 1/2 LB / 1000 SF RED TOP @ 1/8 LB / 1000 SF
1 FEBRUARY TO 1 JUNE K-31 FESCUE @ 5 LB / 1000 SF ANNUAL RYE @ 1/2 LB / 1000 SF	15 AUGUST TO 1 OCTOBER CROWN VETCH @ 1/2 LB / 1000 SF PERENNIAL RYEGRASS @ 1/2 LB / 1000 SF RED TOP @ 1/8 LB / 1000 SF
1 JUNE TO 1 SEPTEMBER K-31 FESCUE @ 5 LB / 1000 SF GERMAN MILLET @ 1/2 LB / 1000 SF	
1 SEPTEMBER TO 15 OCTOBER K-31 FESCUE @ 5 LB / 1000 SF ANNUAL RYE @ 1/2 LB / 1000 SF	

LIME: 140 LB / 1000 SF PULVERIZED AGRICULTURAL LIMESTONE

FERTILIZER: 5-20-10 @ 25 LB / 1000 SF
38-0-0 @ 7 LB / 1000 SF

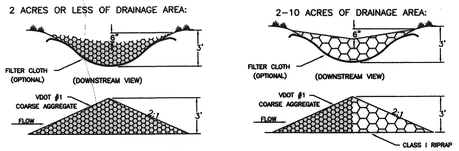
MULCH: IF REQUIRED, SHALL BE USED OVER ALL SEEDED AREAS AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 1.75 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

SOIL CONDITIONING: INCORPORATION OF LIME AND FERTILIZER, SELECTION OF CERTIFIED SEED, MULCHING, MAINTENANCE OF NEW SEEDLINGS, AND RESEEDING SHALL BE IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE VIRGINIA SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. ADDITIONAL SEEDING TO BE PERFORMED AS REQUIRED BY THE INSPECTOR.

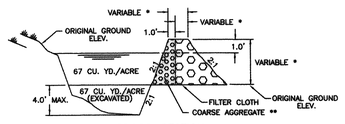
SEED APPLICATION: APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER ON A FIRM, FRIABLE, SEEDBED. MAXIMUM SEEDING DEPTH SHALL BE 1/4 INCH.

TOTAL DISTURBED AREA = APPROXIMATELY 15+/- AC.

(PS) PERMANENT SEEDING MIXTURE

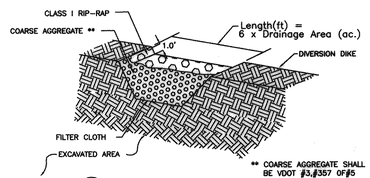


(CD) ROCK CHECK DAM



* SEE PLATE 3.13-1

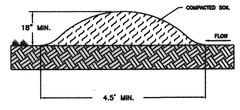
CROSS-SECTION



(ST) SEDIMENT TRAP

NOTES

For areas less than 3.0 acres. For areas larger than 3.0 acres, A SEDIMENT TRAP, is required Please see Va' ESC manual for design.

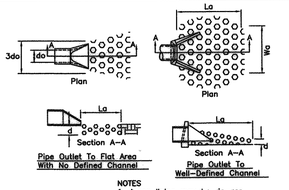


(DD) TEMPORARY DIVERSION DIKE

(FD) TEMPORARY FILL DIVERSION

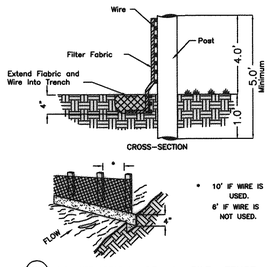
(RWD) TEMPORARY RIGHT-OF-WAY DIVERSION

(DV) DIVERSION

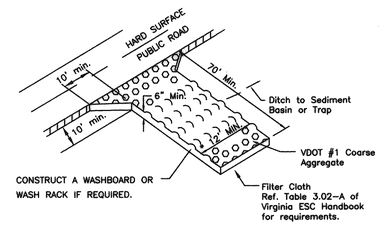


NOTES
1. Apron lining may be rip-rap, grouted rip-rap, or concrete.
2. La is the length of the rip-rap apron as calculated using plates 1.36d and 1.36e.
3. d = 1.5 times the maximum stone diameter, but not less than 6".

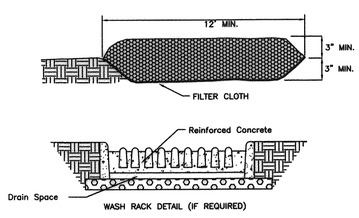
(OP) OUTLET PROTECTION



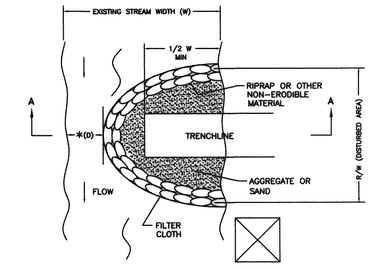
(SF) CONSTRUCTION OF A SILT FENCE



* MUST EXTEND FULL WIDTH OF INGRESS & EGRESS OPERATION.



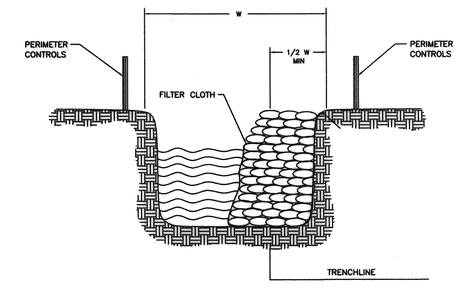
(CE) TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



* (D) MINIMUM DISTANCE TO BE 25% OF TOTAL WIDTH (W) OF THE STREAM

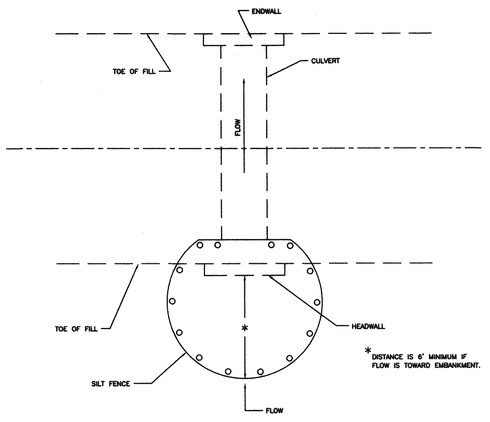
DEWATERING DEVICE, SEE STD. & SPEC. 3.26

PLAN VIEW



SECTION A-A

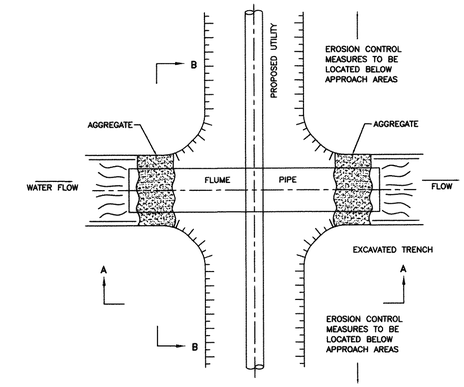
(USC) COFFERDAM CROSSING



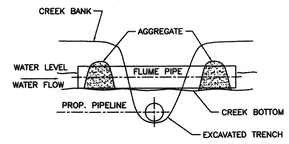
NOTES:
If silt fence culvert inlet protection is not sufficient due to expected high velocity of flow, contractor shall install optional stone and inlet sediment trap protection per STD. & SPEC. 3.08.

(CIP) SILT FENCE CULVERT INLET PROTECTION

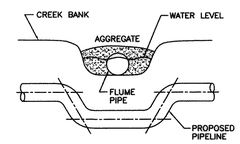
SOURCE: 1992 VA. EROSION AND SEDIMENT CONTROL HANDBOOK, STD. & SPEC. 3.08



PLAN VIEW



SECTION A-A



SECTION B-B

(USC) FLUME PIPE CROSSING

NO.	TITLE	KEY	SYMBOL	NO.	TITLE	KEY	SYMBOL
3.01	SAFETY FENCE	SAF	SAF	3.20	ROCK CHECK DAMS	CD	CD
3.02	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE	CE	CE	3.21	LEVEL SPREADER	LS	LS
3.03	CONSTRUCTION ROAD STABILIZATION	CRS	CRS	3.22	VEGETATIVE STREAMBANK STABILIZATION	VSS	VSS
3.04	STRAW BALE BARRIER	STB	STB	3.23	STRUCTURAL STREAMBANK STABILIZATION	SSS	SSS
3.05	SILT FENCE	SF	SF	3.24	TEMPORARY VEHICULAR STREAM CROSSING	VSC	VSC
3.06	BRUSH BARRIER	BB	BB	3.25	UTILITY STREAM CROSSING	USC	USC
3.07	STORM DRAIN INLET PROTECTION	IP	IP	3.26	DEWATERING STRUCTURE	DS	DS
3.08	CULVERT INLET PROTECTION	CIP	CIP	3.27	TURBIDITY CURTAIN	TC	TC
3.09	TEMPORARY DIVERSION DIKE	DD	DD	3.28	SUBSURFACE DRAIN	SD	SD
3.10	TEMPORARY FILL DIVERSION	FD	FD	3.29	SURFACE ROUGHENING	SR	SR
3.11	TEMPORARY RIGHT-OF-WAY DIVERSION	RWD	RWD	3.30	TOPSOILING	TO	TO
3.12	DIVERSION	DV	DV	3.31	TEMPORARY SEEDING	TS	TS
3.13	TEMPORARY SEDIMENT TRAP	ST	ST	3.32	PERMANENT SEEDING	PS	PS
3.14	TEMPORARY SEDIMENT BASIN	SB	SB	3.33	SODDING	SO	SO
3.15	TEMPORARY SLOPE DRAIN	TSD	TSD	3.34	BERMUDA GRASS AND ZOYSIAURASS ESTABLISHMENT	B/M	B OR M
3.16	PAVED FLUME	PF	PF	3.35	MULCHING	MU	MU
3.17	STORMWATER CONVEYANCE CHANNEL	SCC	SCC	3.36	SOIL STABILIZATION BLANKETS AND MATTING	BE/ZE	TRIPLE 1 TRIPLE 2
3.18	OUTLET PROTECTION	OP	OP	3.37	TREES, SHRUBS, VINES AND GROUND COVERS	VEG	VEG
3.19	RIPRAP	RR	RR	3.38	TREE PRESERVATION AND PROTECTION	TP	TP
	CRITICAL EROSION AREAS		★	3.39	DUST CONTROL	DC	DC

ENGINEERING CONCEPTS, INC.
20 S. ROANOKE ST., PO BOX 619
FINCASTLE, VIRGINIA 24090
540.473.1253 FAX: 540.473.1254

AS-BUILT

Drawn	JHG
Designed	SCG
Checked	WPJ
Approved	JST

GREENFIELD PARKWAY
PHASE 1

EROSION & SEDIMENT CONTROL DETAILS

SCALE : NONE
NOVEMBER 12, 1997
PROJECT: 97042
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