

NO.	TITLE	KEY	SYMBOL
3.02	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE	CE	
3.03	CONSTRUCTION ROAD STABILIZATION	CRS	
3.05	SILT FENCE	SF	
3.07	STORM DRAIN INLET PROTECTION	IP	
3.08	CULVERT INLET PROTECTION	CIP	
3.09	TEMPORARY DIVERSION DIKE	DD	
3.12	DIVERSION	DV	
3.13	TEMPORARY SEDIMENT TRAP	ST	
3.15	TEMPORARY SLOPE DRAIN	SD	
3.17	STORMWATER CONVEYANCE CHANNEL	SCC	
3.18	OUTLET PROTECTION	OP	
3.20	ROCK CHECK DAMS	CD	
3.29	SURFACE ROUGHENING	SR	
3.30	TOPSOILING	TS	
3.31	TEMPORARY SEEDING	TS	
3.32	PERMANENT SEEDING	PS	
3.35	MULCHING	MU	

GENERAL EROSION AND SEDIMENT CONTROL NOTES

CITY OF ROANOKE, VIRGINIA

CS-1-UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS IN 625-60-00 EROSION AND SEDIMENT CONTROL REGULATIONS.

CS-2-IF THE PLAN APPROVING AUTHORITY MUST BE NOTICED ONE WEEK PRIOR TO THE ON-SITE PRECONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

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

CS-4-A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND NARRATIVE, AS WELL AS A COPY OF THE LAND DISTURBING PERMIT, SHALL BE MAINTAINED ON THE SITE AT ALL TIMES. THE EROSION AND SEDIMENT CONTROL ADMINISTRATOR WILL REVIEW THESE MATERIALS AT THE PRECONSTRUCTION CONFERENCE.

CS-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.

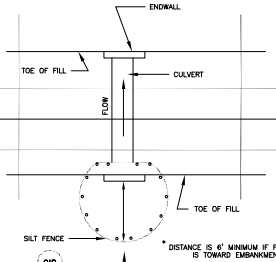
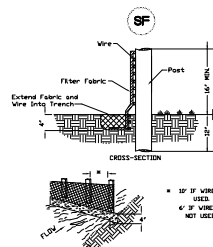
CS-6-THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.

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

CS-8-DURING DEMATERING OPERATION, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.

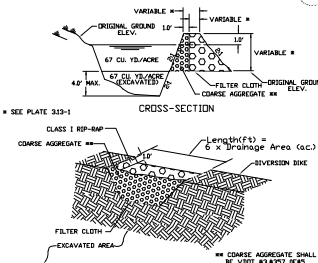
CS-9-THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH SIGNIFICANT-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY. AN INSPECTION REPORT MUST BE COMPLETED ONCE EVERY FIVE WORKING DAYS BEGINNING WITH COMMENCEMENT OF THE LAND DISTURBING ACTIVITY, AND WITHIN 48 HOURS OF ANY SIGNIFICANT-PRODUCING RAINFALL EVENT. REPORTS MUST BE FILED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), WHICH MUST BE KEPT ON-SITE. FAILURE TO COMPLETE A REPORT WILL BE GROUNDED FOR IMMEDIATE REVOCATION OF THE LAND DISTURBING PERMIT. A STANDARD INSPECTION REPORT FORM WILL BE SUPPLIED, WHICH SHOULD BE COMPLETED AS NECESSARY. THIS PROVISION IS NOT TO BE MOVED TO THE RIGHT OF THE CITY OF ROANOKE. PERSONNEL TO CONDUCT SITE INSPECTIONS, NON-DESIGNATED, MUST BE ADVISED BY THE PERMITTEE (S) TO ACCOMPANY THE INSPECTOR (S).

CONSTRUCTION OF A SILT FENCE



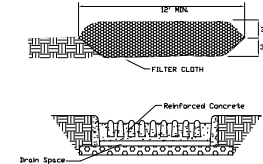
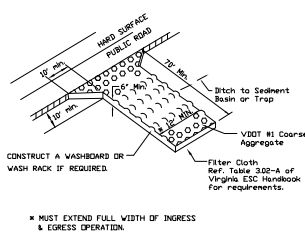
SILT FENCE CULVERT INLET PROTECTION

TEMPORARY SEDIMENT TRAP

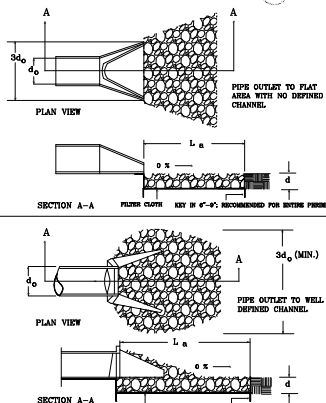


STRUCTURE	DRAINAGE AREA (ACRES)	STORAGE (CU YD)	WEIR LENGTH (FT)	WEIR HEIGHT (FT)	BERM HEIGHT (FT)
1, 5, 7	2.0	268	206	12	2
		BOTTOM OF NET = 35' x 20'			
		TOP OF NET = 47' x 37' 5" DEEP			
		TOP OF DRY = 55' x 45' 2" DEEP			
2, 8, 10, 12	2.9	389	404	17.4	2
		BOTTOM OF NET = 50' x 20'			
		TOP OF NET = 62' x 38' 5" DEEP			
		TOP OF DRY = 65' x 46' 2" DEEP			
3	2.6	348	371	15.6	2
		BOTTOM OF NET = 45' x 20'			
		TOP OF NET = 57' x 38' 5" DEEP			
		TOP OF DRY = 65' x 46' 2" DEEP			
4	1.4	188	212	8.4	2
		BOTTOM OF NET = 41' x 20'			
		TOP OF NET = 53' x 37' 5" DEEP			
		TOP OF DRY = 61' x 45' 2" DEEP			
6, 9	1.0	134	171	6	2
		BOTTOM OF NET = 35' x 20'			
		TOP OF NET = 51' x 37' 5" DEEP			
		TOP OF DRY = 60' x 45' 2" DEEP			
13	2.3	308	308	13.8	2
		BOTTOM OF NET = 41' x 20'			
		TOP OF NET = 53' x 37' 5" DEEP			
		TOP OF DRY = 61' x 45' 2" DEEP			
11	2.7	362	371	16.2	2
		BOTTOM OF NET = 45' x 20'			
		TOP OF NET = 57' x 38' 5" DEEP			
		TOP OF DRY = 65' x 46' 2" DEEP			

STONE CONSTRUCTION ENTRANCE



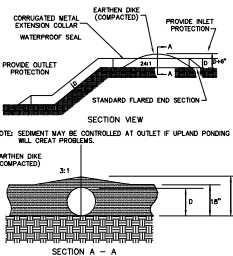
OUTLET PROTECTION



NOTES: 1. APRON LINING MAY BE RIPRAP, GROUNDED RIPRAP, GABION, BARRETT, OR CONCRETE.
2. 18 IN. THICK LAYERS OF THIS RIPRAP APRON AS CALCULATED USING PLATES 318-3 AND 318-4.
3. 4' x 4' x 18 IN. THICK THIS MAXIMUM STONE DIMENSION, BUT NOT LESS THAN 6 INCHES.

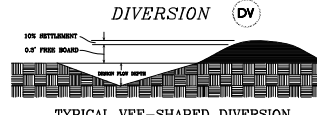
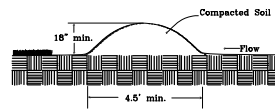
TSD

TEMPORARY SLOPE DRAIN

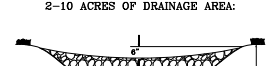
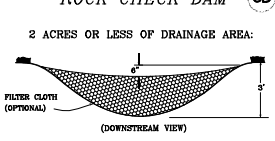


NOTE: SEDIMENT MAY BE CONTROLLED AT OUTLET IF UPLAND PONDING WILL GREAT PROBLEMS.

TEMPORARY DIVERSION DIKE



ROCK CHECK DAM



PERMANENT SEEDING MIXTURE

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

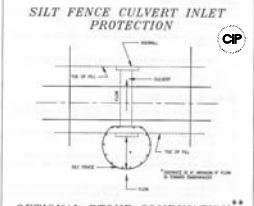
LIME: 140 LB / 1000 SF PULVERIZED AGRICULTURAL LIMESTONE
FERTILIZER: 5-25-10 @ 25 LB / 1000 SF
20-20-20 @ 7 LB / 1000 SF
MULCH: IF REQUIRED, SHALL BE USED OVER ALL SEEDING AREAS AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 1.75 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
SOIL CONDITIONING: INCORPORATION OF LIME AND FERTILIZER, SELECTION OF CERTIFIED SEED, MAINTENANCE OF NEW SEEDINGS, AND PRESERVING THE VEGETATION ACCORDING WITH SPECIFICATIONS CONTAINED IN THE VIRGINIA 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, OR BROADCAST SEEDER OR HYDROSEED ON A PUMP, PNEUMATIC SEEDER. MAXIMUM SEEDING DEPTH SHALL BE 1/4 INCH.

TEMPORARY SEEDING MIXTURE

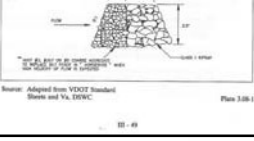
PLANTING DATES	SPECIES	RATE (LBS./ACRE)
SEPT. 1 - FEB. 15	50/50 MIX OF ANNUAL RYEGRASS (LOULAI MULTIFLORUM) & CEREAL (WINTER) RYE (SECALE CEREALIS)	50 - 100
FEB. 16 - APR. 30	ANNUAL RYEGRASS (LOULAI MULTIFLORUM)	60 - 100
MAY 1 - AUG. 31	GERMAN MILLET (SETARIA ITALICA)	50

TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DOMINANT (UNDISTURBED) FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DOMINANT FOR MORE THAN ONE YEAR.

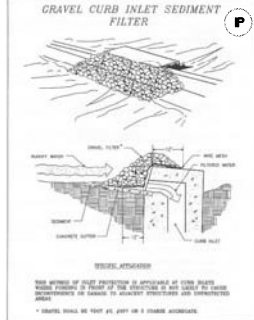
SILT FENCE CULVERT INLET PROTECTION



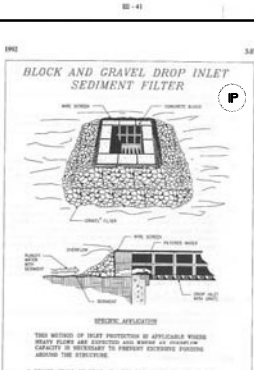
OPTIONAL STONE COMBINATION



GRAVEL CURB INLET SEDIMENT FILTER



BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER



CITY OF ROANOKE Planning, Building & Development

CONSTRUCTION DIVISION (P.14)

FIELD REVISION APPROVED by Ken Richardson 04/13/2022

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

DEVELOPMENT PLANS FOR Millview SUBDIVISION PREPARED FOR WTSH, LLC SITUATED IN THE CITY OF ROANOKE, VIRGINIA

REV.	DATE	DESCRIPTION
1	10/10/2020	ISSUED FOR PERMIT
2	10/10/2020	ISSUED FOR PERMIT
3	10/10/2020	ISSUED FOR PERMIT
4	10/10/2020	ISSUED FOR PERMIT
5	10/10/2020	ISSUED FOR PERMIT
6	10/10/2020	ISSUED FOR PERMIT
7	10/10/2020	ISSUED FOR PERMIT
8	10/10/2020	ISSUED FOR PERMIT
9	10/10/2020	ISSUED FOR PERMIT
10	10/10/2020	ISSUED FOR PERMIT

SHEET 17 OF 19

DATE: March 10, 2020

SCALE: NONE

COMMISSIONED: 2003-374N

DATE: 04/13/2022

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