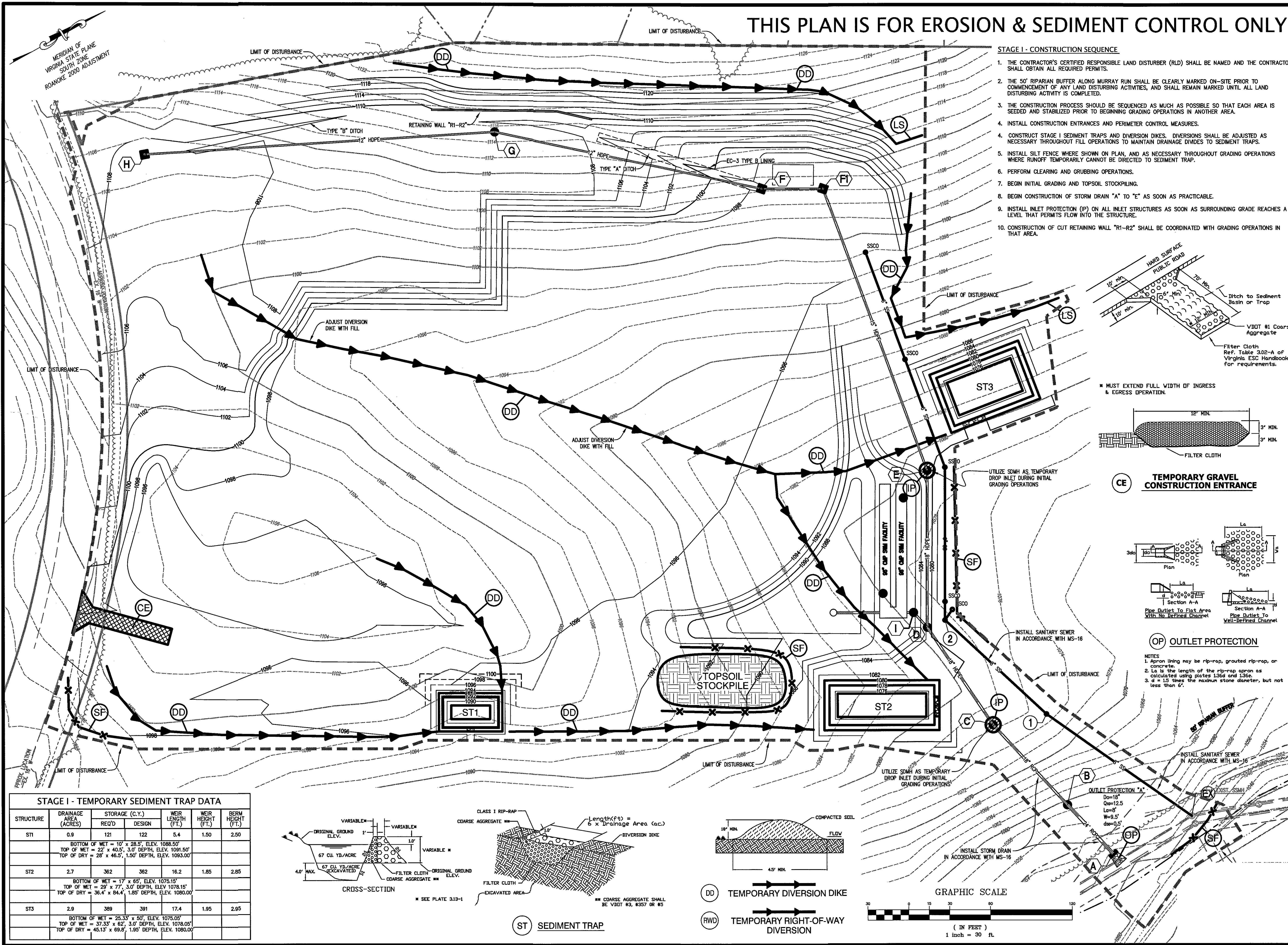
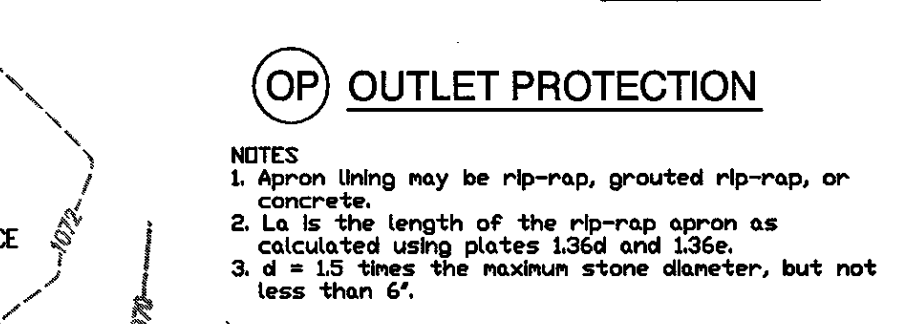
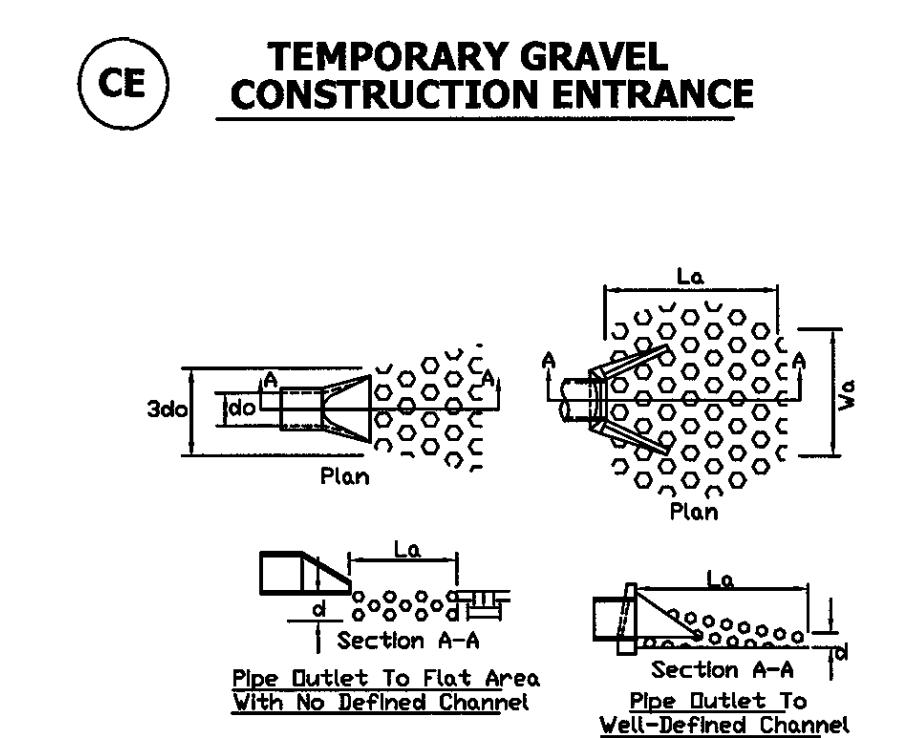
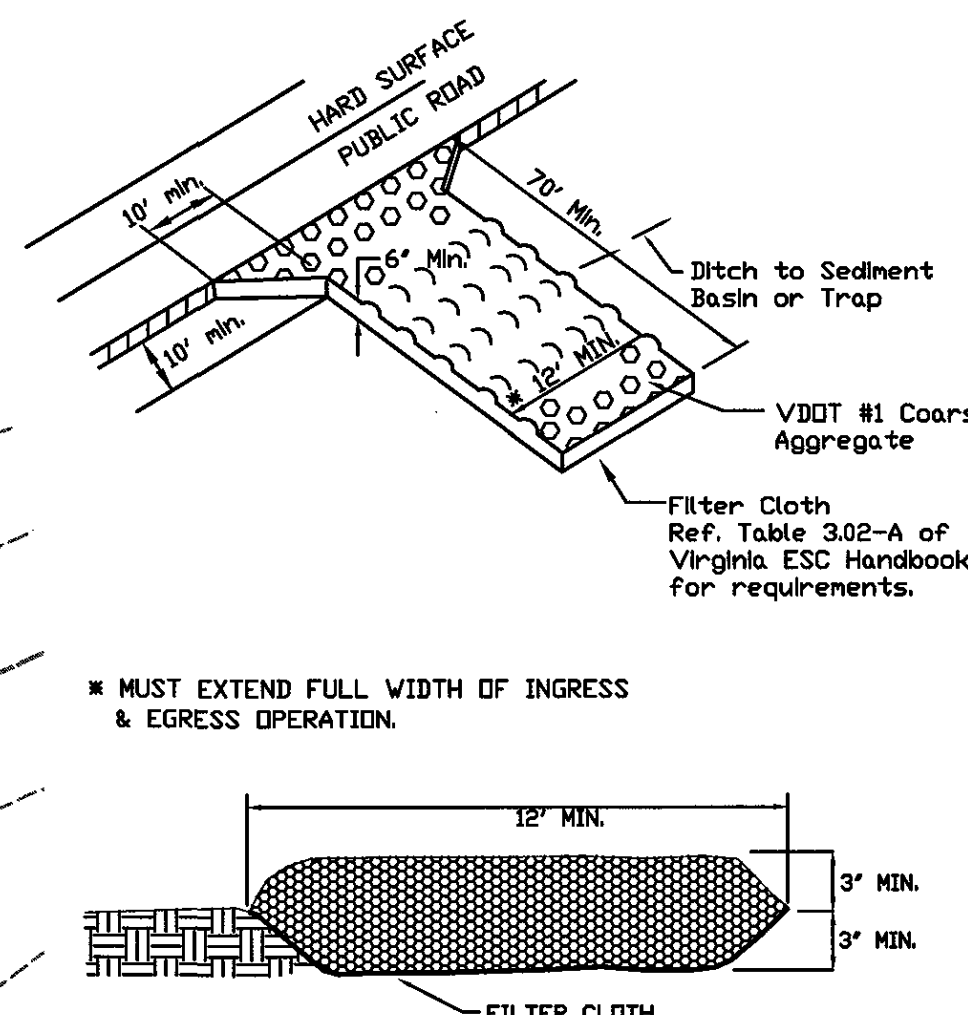


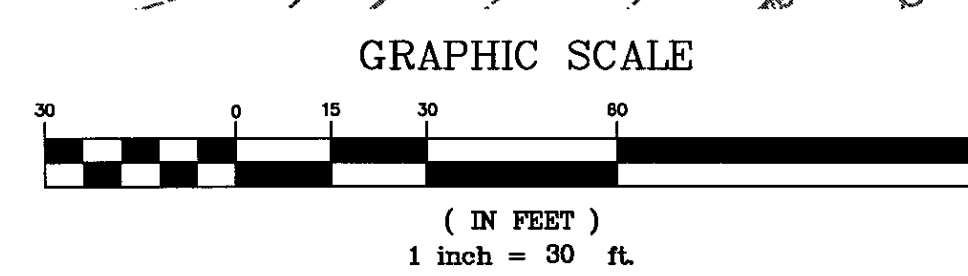
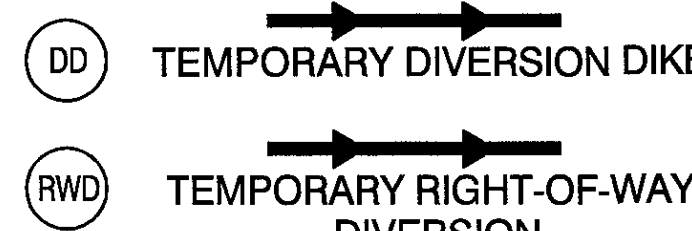
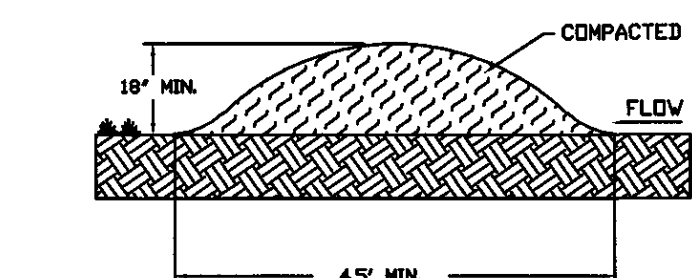
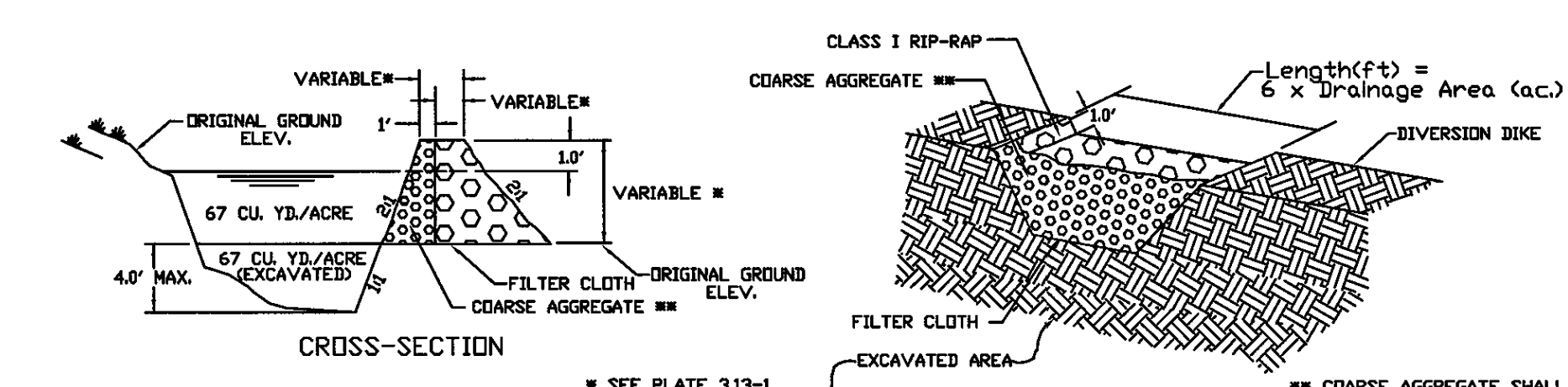


THIS PLAN IS FOR EROSION & SEDIMENT CONTROL ONLY

- STAGE 1 - CONSTRUCTION SEQUENCE**
1. THE CONTRACTOR'S CERTIFIED RESPONSIBLE LAND DISTURBER (RLD) SHALL BE NAMED AND THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS.
 2. THE 50' RIPARIAN BUFFER ALONG MURRAY RUN SHALL BE CLEARLY MARKED ON-SITE PRIOR TO COMMENCEMENT OF ANY LAND DISTURBING ACTIVITIES, AND SHALL REMAIN MARKED UNTIL ALL LAND DISTURBING ACTIVITY IS COMPLETED.
 3. THE CONSTRUCTION PROCESS SHOULD BE SEQUENCED AS MUCH AS POSSIBLE SO THAT EACH AREA IS SEEDED AND STABILIZED PRIOR TO BEGINNING GRADING OPERATIONS IN ANOTHER AREA.
 4. INSTALL CONSTRUCTION ENTRANCES AND PERIMETER CONTROL MEASURES.
 4. CONSTRUCT STAGE 1 SEDIMENT TRAPS AND DIVERSION DIKES. DIVERSIONS SHALL BE ADJUSTED AS NECESSARY THROUGHOUT FILL OPERATIONS TO MAINTAIN DRAINAGE DIVIDES TO SEDIMENT TRAPS.
 5. INSTALL SILT FENCE WHERE SHOWN ON PLAN, AND AS NECESSARY THROUGHOUT GRADING OPERATIONS WHERE RUNOFF TEMPORARILY CANNOT BE DIRECTED TO SEDIMENT TRAP.
 6. PERFORM CLEARING AND GRUBBING OPERATIONS.
 7. BEGIN INITIAL GRADING AND TOPSOIL STOCKPILING.
 8. BEGIN CONSTRUCTION OF STORM DRAIN "A" TO "E" AS SOON AS PRACTICABLE.
 9. INSTALL INLET PROTECTION (IP) ON ALL INLET STRUCTURES AS SOON AS SURROUNDING GRADE REACHES A LEVEL THAT PERMITS FLOW INTO THE STRUCTURE.
 10. CONSTRUCTION OF CUT RETAINING WALL "R1-R2" SHALL BE COORDINATED WITH GRADING OPERATIONS IN THAT AREA.



STAGE I - TEMPORARY SEDIMENT TRAP DATA						
STRUCTURE	DRAINAGE AREA (ACRES)	STORAGE (C.Y.)		WEIR LENGTH (FT.)	WEIR HEIGHT (FT.)	BERM HEIGHT (FT.)
		REQ'D	DESIGN			
ST1	0.9	121	122	5.4	1.50	2.50
		BOTTOM OF WET = 10' x 28.5', ELEV. 1088.50' TOP OF WET = 22' x 40.5', 3.0' DEPTH, ELEV. 1091.50' TOP OF DRY = 28' x 46.5', 1.50' DEPTH, ELEV. 1093.00'				
ST2	2.7	362	362	16.2	1.85	2.85
		BOTTOM OF WET = 17' x 65', ELEV. 1073.15' TOP OF WET = 25' x 77.15', ELEV. 1078.15' TOP OF DRY = 36.4' x 84.4', 1.85' DEPTH, ELEV. 1080.00'				
ST3	2.9	389	391	17.4	1.95	2.95
		BOTTOM OF WET = 25.33' x 50', ELEV. 1075.05' TOP OF WET = 37.33' x 62', 1.95' DEPTH, ELEV. 1078.05' TOP OF DRY = 45.13' x 69.8', 1.95' DEPTH, ELEV. 1080.00'				



REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 80%;">DESCRIPTION</th> </tr> <tr><td>1</td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td></tr> </table>	NO.	DATE	DESCRIPTION	1			2			3			4			5			COMPREHENSIVE DEVELOPMENT PLAN FOR JEFFERSON HILLS ASSISTED LIVING PREPARED FOR NEW MILLENNIUM SENIOR LIVING COMMUNITIES SITUATED ALONG OGDEN ROAD, SW CITY OF ROANOKE, VIRGINIA
NO.	DATE	DESCRIPTION																	
1																			
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5																			
STAGE I EROSION & SEDIMENT CONTROL PLAN																			
																			
																			
LUMSDEN ASSOCIATES, P.C. ENGINEERS-SURVEYORS-PLANNERS ROANOKE, VIRGINIA																			
PHONE: (540) 774-4411 FAX: (540) 772-8845 E-MAIL: MAIL@LUMSDENPC.COM 4664 BRAMBLETON AVENUE P.O. BOX 9085 ROANOKE, VIRGINIA 24018																			