

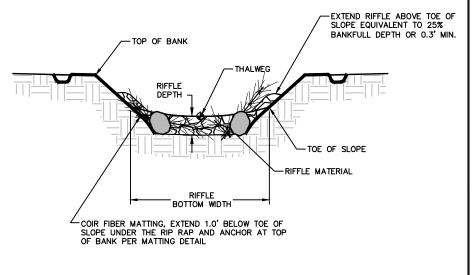
DESIGN VARIABLES			
	EXAMPLE	REACH _	REACH _
RIFFLE MATERIAL 1	B, 57, E, W	-	
RIFFLE DEPTH ²	12"		
RIFFLE BOTTOM WIDTH	4'		
DISTANCE ALONG TOE	18"	-	
BOULDER DIMENSIONS	1.5' X 1.5' X 1.5'		

WELL MIXED GRADATION (APPROXIMATELY 70% STONE, 20% EARTH AND 10% WOODY MATERIAL) STONE MIX TO BE COMPRISED OF THE SPECIFIED MATERIALS: A = CLASS A RIP-RAP, B = CLASS B RIP-RAP, 57 = #57 STONE E = EARTH, M = MULCH, W = WOODY MATERIAL, L = LOGS. #57 STONE NOT TO EXCEED 10% OF THE STONE MIX. THE REMAINDER OF THE MIX SHALL BE EQUAL PARTS CLASS A AND CLASS B RIP-RAP IF BOTH ARE SPECIFIED OR AS DIRECTED BY THE ENGINEER.

NOTES:

- MAJORITY OF WOODY MATERIAL SHOULD BE 0.5"-2.0" IN DIAMETER WITH LOGS NO LARGER THAN 6" AND EXTEND INTO THE BANK 2 FEET ON EACH SIDE. WOODY MATERIAL SHALL BE VARYING DIAMETER TO ALLOW MATERIAL TO BE COMPACTED.
- COMPACTED.

 2. PLACE LOGS AND WOODY MATERIAL WITH MINIMAL GAPS. A LAYER OF ON-SITE CHANNEL MATERIAL SHOULD BE APPLIED TO FILL VOIDS IN WOODY MATERIAL PRIOR TO THE INSTALLATION OF ADDITIONAL LAYERS.
- THE WOODY MATERIAL SHALL BE DESIGNED TO BE SUBMERGED OR COVERED AT LOW FLOWS.



SECTION A-A

*ENGINEER TO ADJUST AS NECESSARY, MINIMUMS CANNOT BE ADJUSTED WITHOUT CITY APPROVAL

NOT TO SCALE





CHARLOTTE-MECKLENBURG STORM WATER SERVICES GENERIC DETAIL REQUIREMENTS

VARIABLE CONSTRUCTED RIFFLE

1 OF 1 STD. NO. REV

SHEET NUMBER

DRAFT - NOT TO BE USED FOR CONSTRUCTION

XX.XX

² DEPTH OF 12" TYPICAL