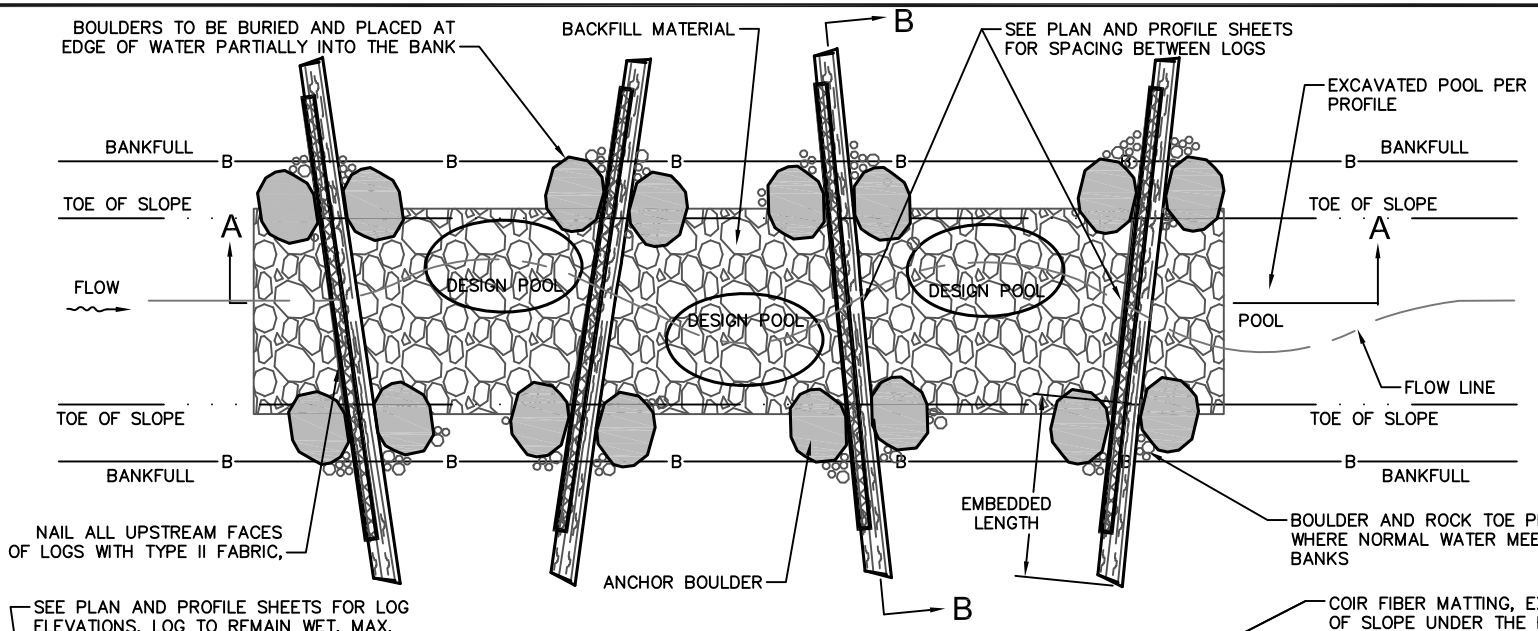
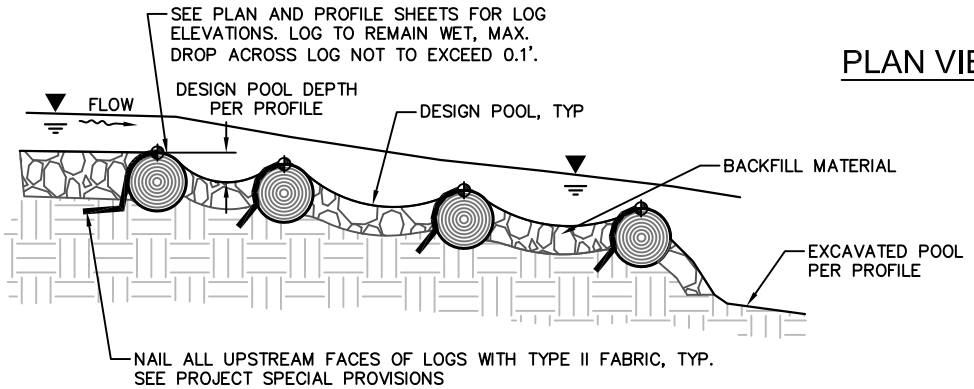
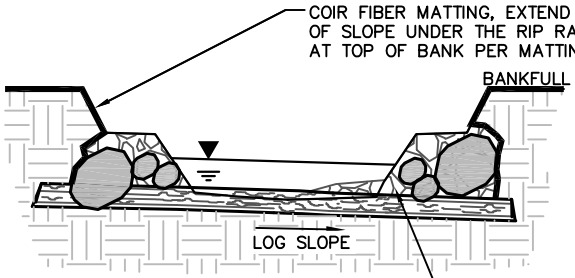


PLAN VIEW



SECTION A-A



SECTION B-B

NOTES:

1. PLACE FABRIC ON THE UPSTREAM SIDE OF THE MOST UPSTREAM LOG SILL IN THE CONSTRUCTED RIFFLE.
2. BOULDERS SHALL BE USED TO ANCHOR LOGS IF NEEDED.
3. THE LOG SILL SHALL ALL BE DESIGNED TO BE SUBMERGED OR COVERED AT LOW FLOWS.
4. LOGS SHOULD BE 8"–12" DIAMETER.

DESIGN VARIABLES

	EXAMPLE	REACH _	REACH _
BOULDER DIMENSION	1'x2'x2'	– –	– –
EMBEDDED LENGTH INTO SOIL	4'	– –	– –
LOG ANGLE WITH STREAM BANK	5	– –	– –
LOG SLOPE	0%	– –	– –
BACKFILL MATERIAL [1]	B, 57, E, W	– –	– –
BACKFILL DEPTH	12" MIN	– –	– –

[1] WELL MIXED GRADATION (APPROXIMATELY 70% STONE, 20% EARTH, AND 10% WOOD/MULCH). STONE MIX TO BE COMPRISED OF THE SPECIFIED MATERIALS: A = CLASS A RIP–RAP, B = CLASS B RIP–RAP, 57 = #57 STONE. #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.

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

NOT TO SCALE

Charlotte-Mecklenburg STORM WATER

CHARLOTTE–MECKLENBURG
STORM WATER SERVICES
GENERIC DETAIL REQUIREMENTS

ANGLED LOG RIFFLE

DRAFT - NOT TO BE USED FOR CONSTRUCTION

REVISION DATE	
1/28/2022	
STD. NO.	REV.
XX.XX	