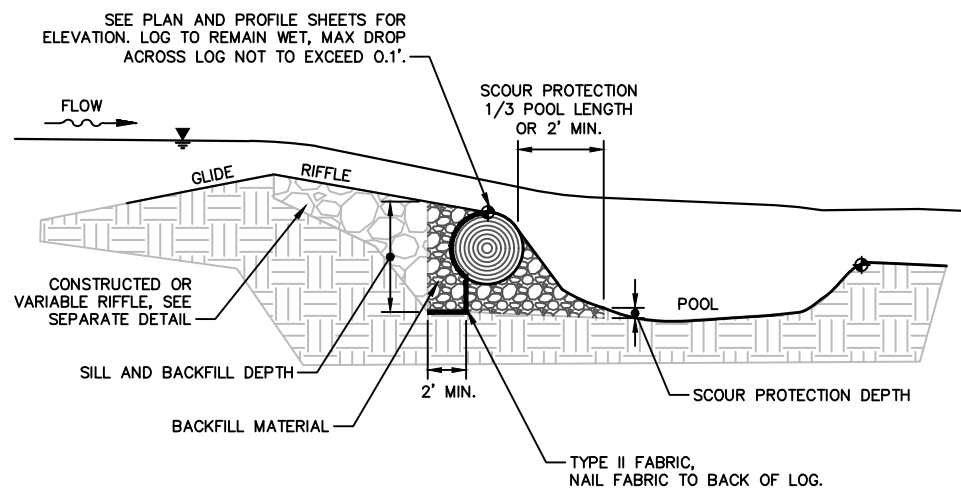


PLAN VIEW



SECTION A-A

NOTES:

1. A LOG SILL MAY BE USED ALONE OR IN COMBINATION WITH A CONSTRUCTED OR VARIABLE RIFFLE.
2. LOG TO REMAIN WET, MAX DROP ACROSS LOG NOT TO EXCEED 0.1'.
3. THE USE OF LOGS IN THE STREAM BED SHALL BE LIMITED TO PERENNIAL WATERBODIES ONLY.
4. NO PART OF THE SILL SHALL BE PLACED ABOVE THE ELEVATION OF THE UPSTREAM AND/OR ADJACENT STREAM BED.
5. A HEADER/FOOTER LOG COMBINATION MAY BE USED IN LIEU OF A SINGLE LOG. IF A HEADER/FOOTER LOG IS USED, LOG USED NEED TO BE CONNECTED/PINNED TOGETHER USING #3 REBAR OR SIMILAR.
6. POOL DEPTH SHOULD BE PER THE PROFILE.
7. LOGS SHOULD BE 8"-12" DIAMETER.

DESIGN VARIABLES

	EXAMPLE	REACH	REACH
ROCK LENGTH	2'	--	--
BACKFILL MATERIAL ¹	B, 57, E, W	--	--
SILL AND BACKFILL DEPTH	12" MIN	--	--
SCOUR PROTECTION DEPTH	6" MIN	--	--
EMBEDDED LENGTH INTO BANK	4'	--	--
BOULDER DIMENSIONS	1'x2'x2'	--	--

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 SERVICES
GENERIC DETAIL REQUIREMENTS

LOG SILL

DRAFT - NOT TO BE USED FOR CONSTRUCTION

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