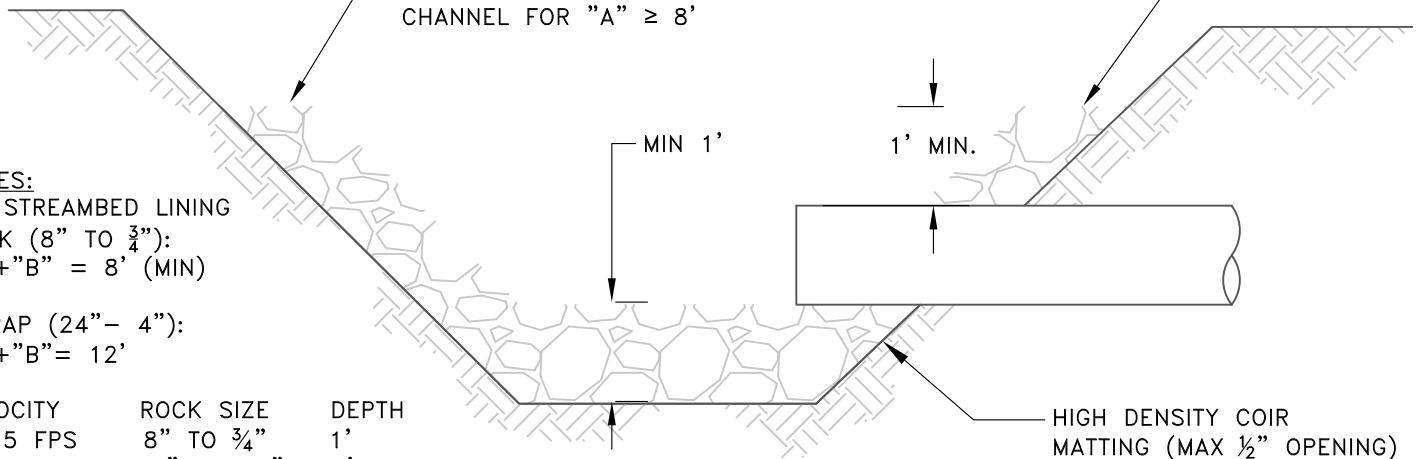


PLAN

PLACE ROCK 1' ABOVE CROWN
 BOTH SIDES OF CHANNEL FOR "A" < 8' OR ONE SIDE OF
 CHANNEL FOR "A" ≥ 8'



NOTES:

1. STREAMBED LINING

ROCK (8" TO 3/4"):
 "A" + "B" = 8' (MIN)

RIPRAP (24" - 4"):
 "A" + "B" = 12'

VELOCITY	ROCK SIZE	DEPTH
< 5 FPS	8" TO 3/4"	1'
5 TO 10 FPS	4" TO 24"	2'
> 10 FPS	ENGINEERED GABIONS	

HIGH DENSITY COIR
 MATTING (MAX 1/2" OPENING)

SECTION A-A

ADAPTED FROM CITY OF GRESHAM



City of Lake Oswego
 Engineering Division

Erica Rooney, P.E. City Engineer

OUTFALL PROTECTION

SD9-08

EFFECTIVE DATE: SEPTEMBER 14, 2020 NOT TO SCALE

DRAWING NUMBER