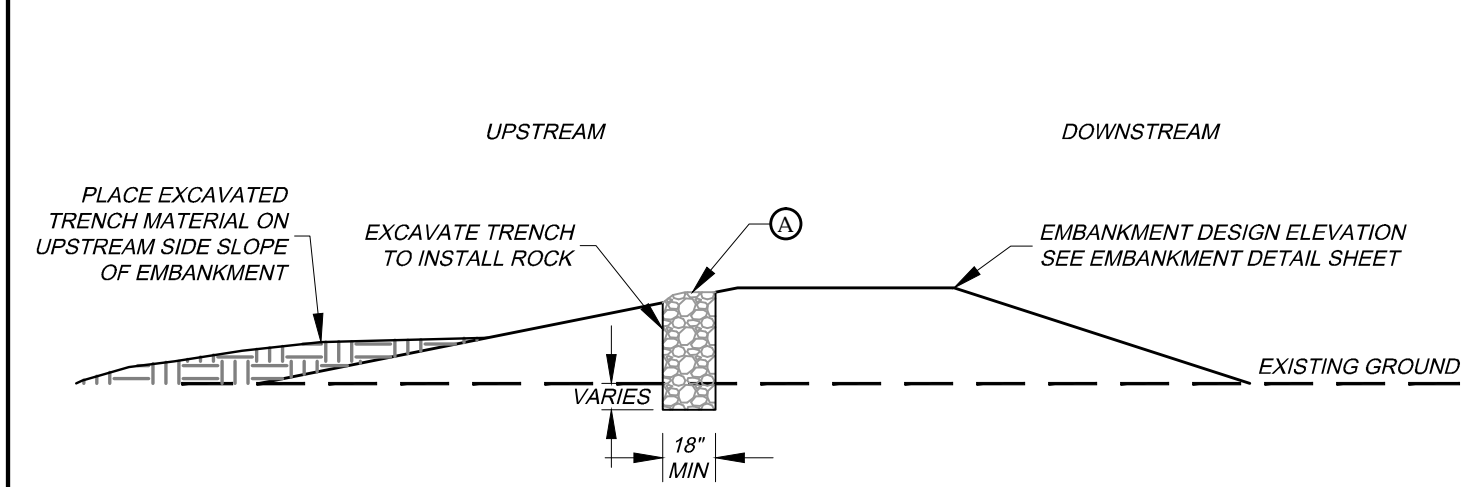


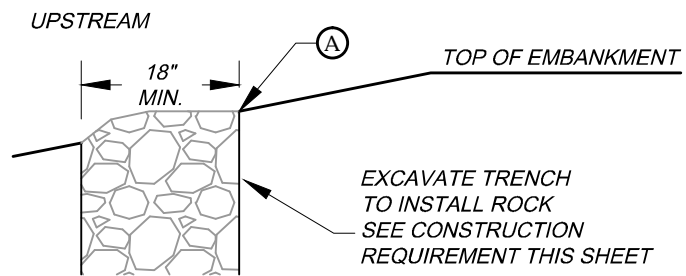
DESIGN TABLE

EMBANKMENT ID #	EMBANKMENT DESIGN ELEVATION (FEET)	ROCK LAYOUT TYPE (A, B, OR C)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	ESTIMATED QUANTITY (SQ.FT.)
			TOP OF ROCK ELEVATION (FEET)	START STATION (FEET)	END STATION (FEET)	ROCK DEPTH (FEET)	ROCK LENGTH (FEET)	ROCK DEPTH (FEET)	ROCK LENGTH (FEET)	ROCK DEPTH (FEET)	ROCK LENGTH (FEET)	ROCK DEPTH (FEET)	ROCK LENGTH (FEET)	ROCK DEPTH (FEET)	

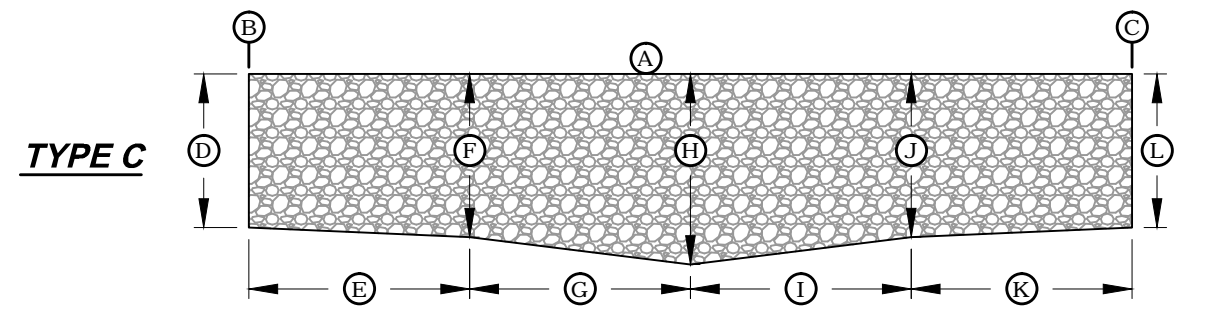
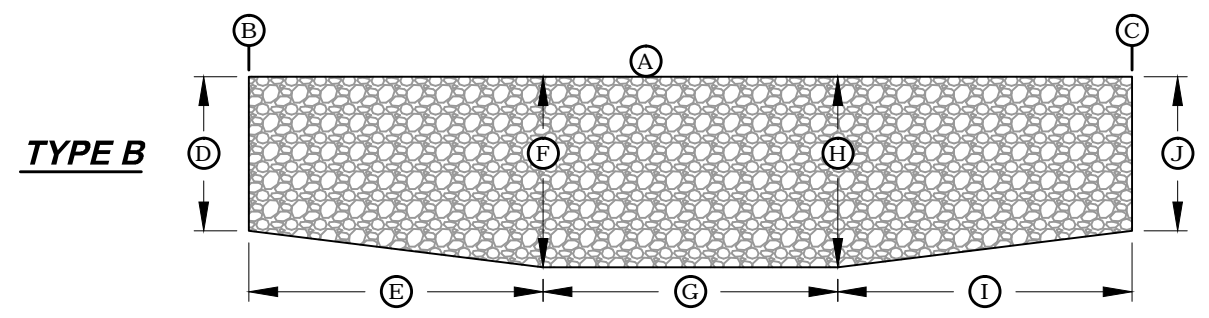
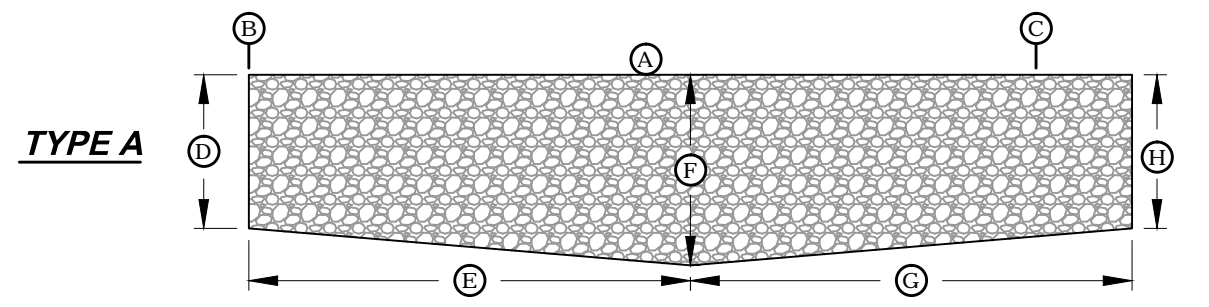


X-SECTION OF EMBANKMENT WITH RODENT PROTECTION
NOT TO SCALE

ANGULAR ROCK GRADATION TABLE	
ANGULAR ROCK GRADATION: ONLY CRUSHED ANGULAR ROCK SHALL BE USED. ENGINEER RECOMMENDS CLASS I BALLAST ROCK (3/4" - 4"). SUBSTITUTE GRADATION SHALL BE APPROVED BY ENGINEER.	
ROCK DIAMETER (INCHES)	PERCENT OF TOTAL SIZE SMALLER THAN A GIVEN SIZE (%)
2 - 4	100 - 30
< 2	29 - 0




TOP OF ROCK LOCATION
NOT TO SCALE



ROCK LAYOUTS FOR RODENT PROTECTION
NOT TO SCALE

CONSTRUCTION REQUIREMENTS	
RODENT PROTECTION:	
<ul style="list-style-type: none"> ROCK TRENCH DEPTH MAY VARY. QUANTITIES ARE BASED ON A MINIMUM 18" WIDE EXCAVATED TRENCH, DEPTHS, AND LENGTHS SPECIFIED IN THE DESIGN TABLE. IF CONTRACTOR CHOOSES TO USE A WIDER BUCKET TO EXCAVATE TRENCH, CONTRACTOR WILL BE RESPONSIBLE FOR QUANTITY OVERAGES AND ADDITIONAL COSTS. BACK FILL AND BUCKET COMPACT PLACED ROCK IN 12" LIFTS. 	

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINT NAME : _____ SIGNATURE : _____ LICENSE # : _____ DATE : _____	WETLAND RESTORATION PLAN		 STANDARD SHEET # BWSR-103C
	RODENT PROTECTION DETAIL SHEET		
	APPROVED BY : _____ DATE : _____	PROJECT # : _____	
	COUNTY : _____	PLAN SHEET OF _____	