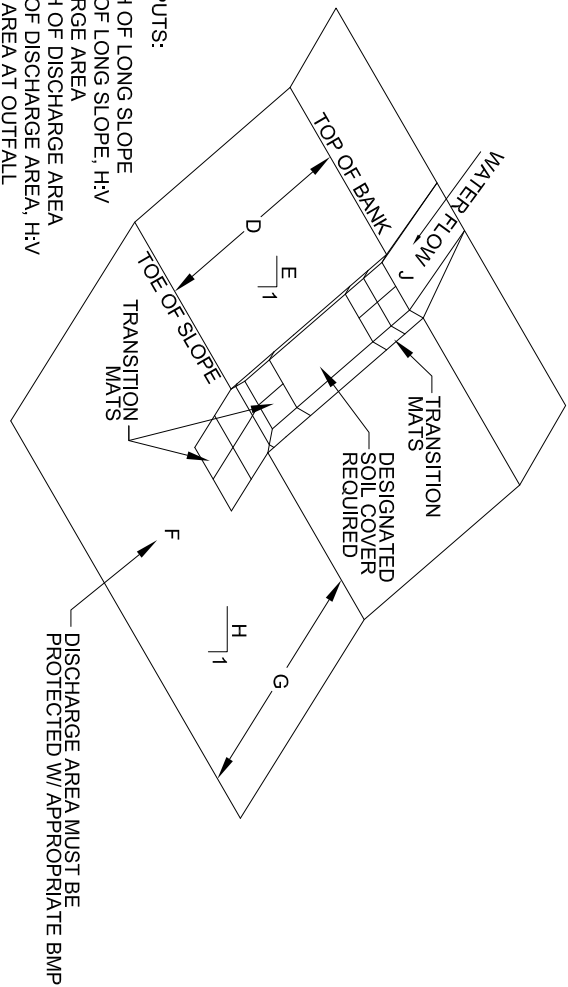


NON-COHESIVE SOILS DESIGN FOR OUTFALL ONTO SLOPE

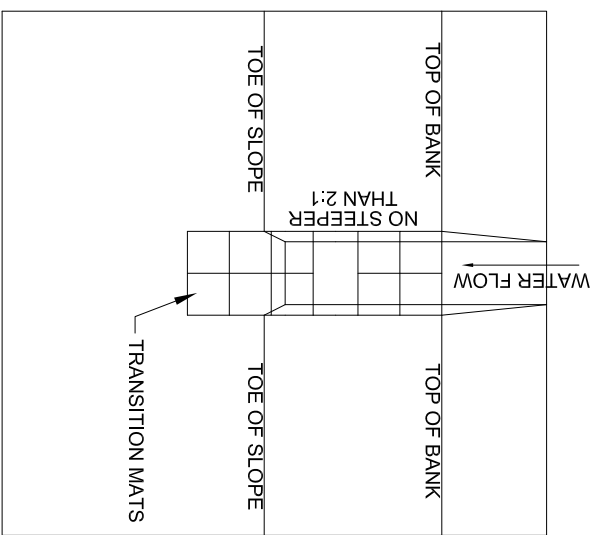
ISOMETRIC VIEW



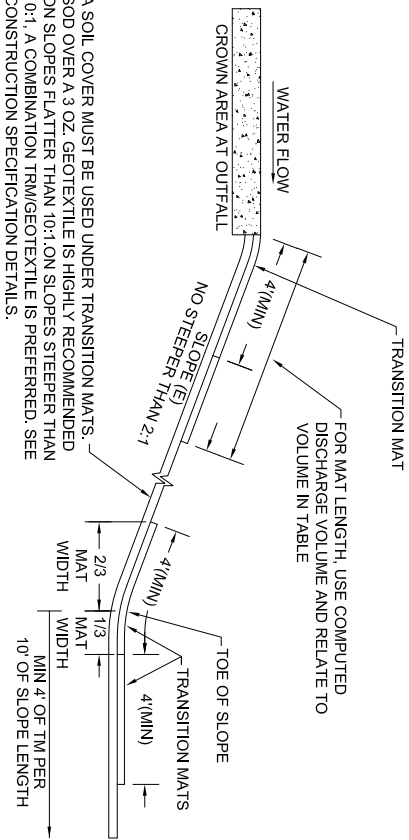
DESIGN INPUTS:
 D = LENGTH OF LONG SLOPE
 E = SLOPE OF LONG SLOPE, H:V
 F = DISCHARGE AREA
 G = LENGTH OF DISCHARGE AREA
 H = SLOPE OF DISCHARGE AREA, H:V
 J = CROWN AREA AT OUTFALL

IF PIPE OUTFALL AT H, NEED PIPE SLOPE AND PIPE SIZE
 IF OPEN OUTFALL AT H, NEED SLOPE AND/OR VOLUME IN CFS

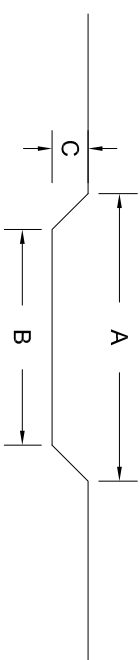
PLAN VIEW



PROFILE VIEW



SECTION VIEW (W/ EXAMPLE DIMENSIONS)



DIMENSION LABEL	LENGTH (FEET)	LENGTH (METERS)
A	8.0	2.44
B	6.0	1.83
C	0.5	0.15

A SOIL COVER MUST BE USED UNDER TRANSITION MATS. SOD OVER A 3 OZ. GEOTEXTILE IS HIGHLY RECOMMENDED ON SLOPES FLATTER THAN 10:1. ON SLOPES STEEPER THAN 10:1, A COMBINATION TRM/GEOTEXTILE IS PREFERRED. SEE CONSTRUCTION SPECIFICATION DETAILS.