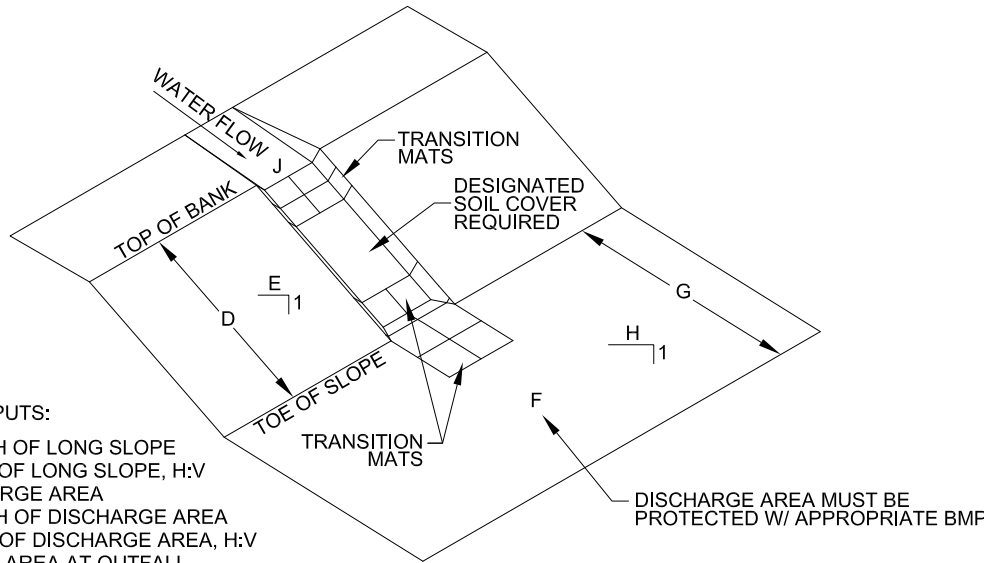


# NON-COHESIVE SOILS DESIGN FOR OUTFALL ONTO SLOPE

ISOMETRIC VIEW



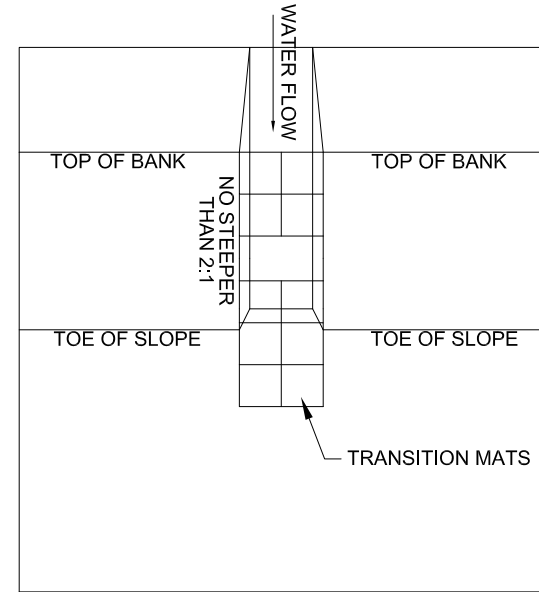
**DESIGN INPUTS:**

- 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

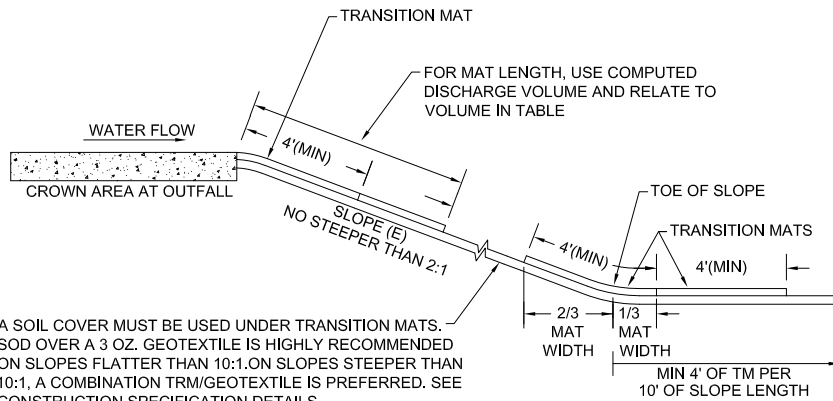
IF PIPE OUTFALL AT H, NEED PIPE SLOPE AND PIPE SIZE  
 IF OPEN OUTFALL AT H, NEED SLOPE AND/OR VOLUME IN CFS

DISCHARGE AREA MUST BE PROTECTED W/ APPROPRIATE BMP

PLAN VIEW

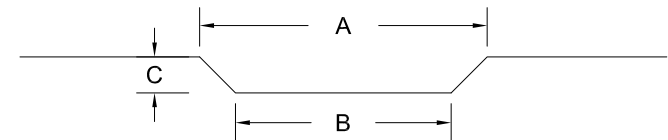


PROFILE VIEW



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.

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