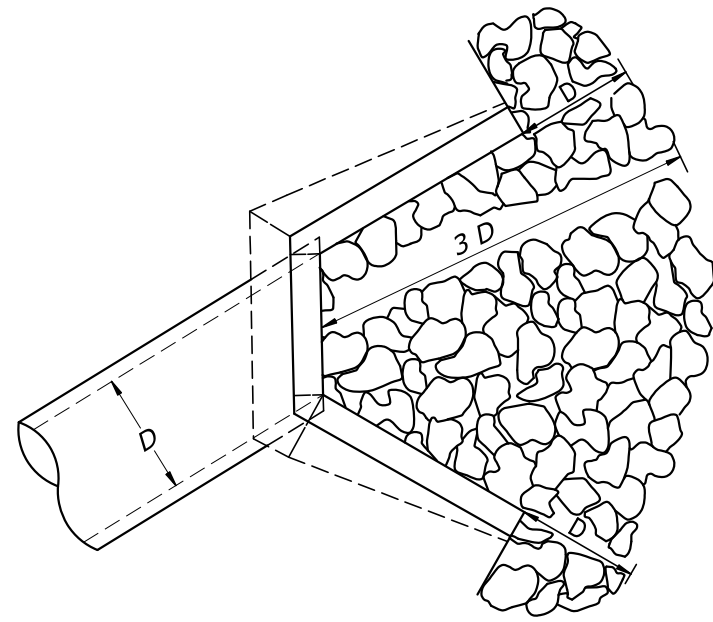


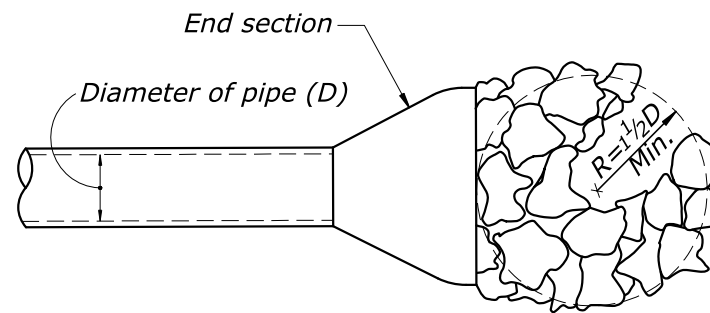
RIPRAP DEPTH TABLE	
Riprap Class	Depth (d)
2	18"
3	24"
4	30"

**NOTES:**

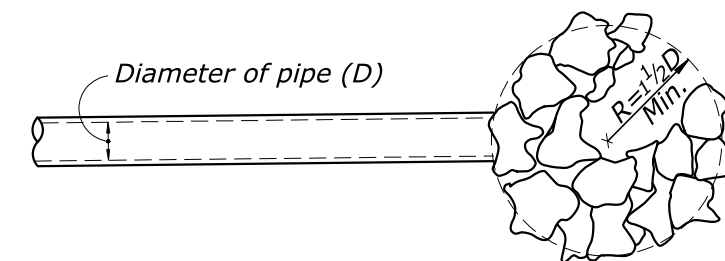
- For arch or elliptical pipes, use equivalent diameter for (D) dimension.



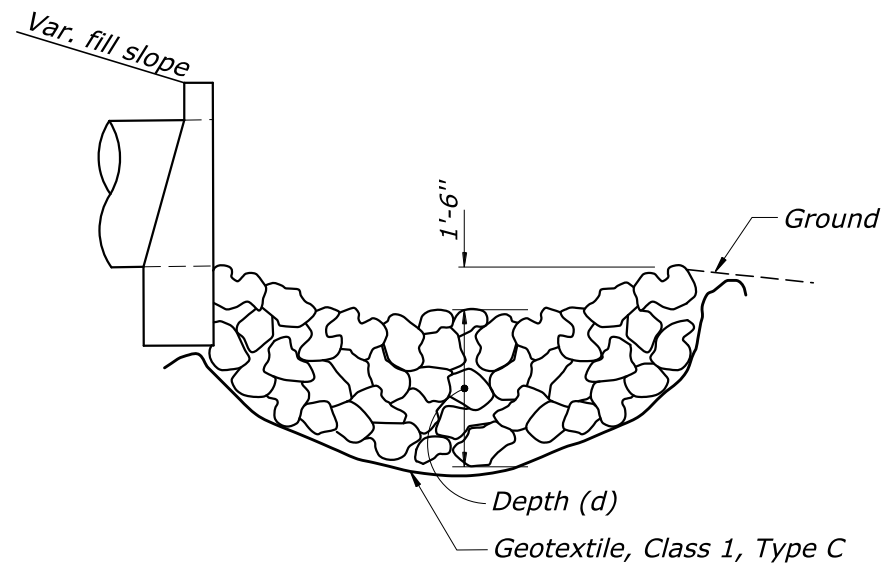
PLAN



PLAN

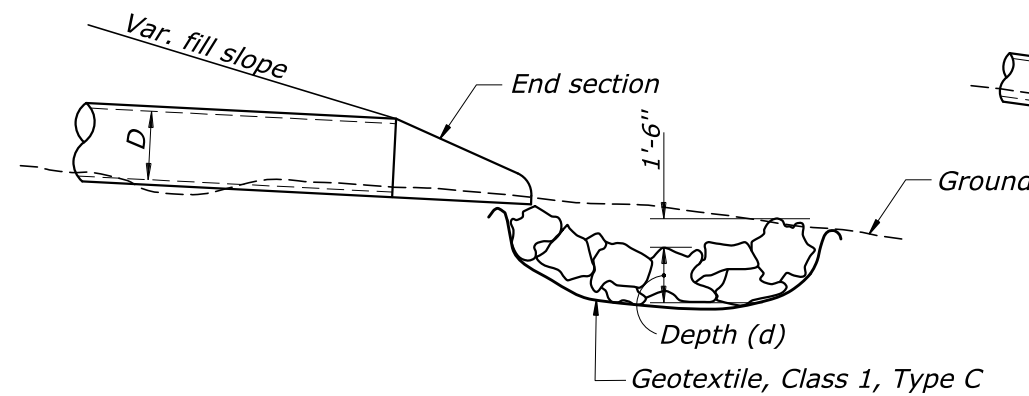


PLAN



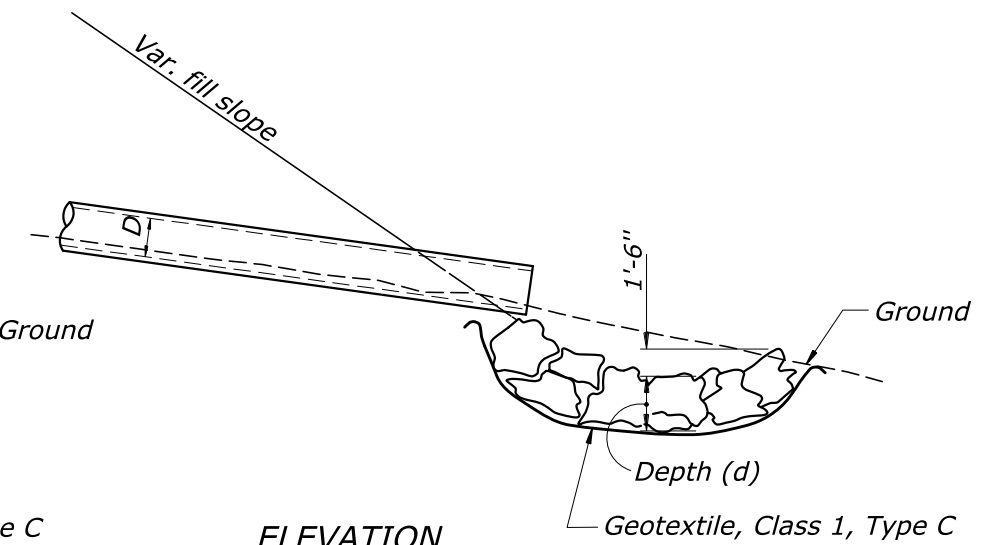
ELEVATION

**CULVERT WITH HEADWALL**



ELEVATION

**CULVERT WITH END SECTION**



ELEVATION

**CULVERT WITH NO END TREATMENT**

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
<b>LOOSE RIPRAP AT CULVERT</b>	
DETAIL APPROVED FOR USE	DETAIL
APPROVED : MAY 2011 REVISED : MAY 2015	E251-01