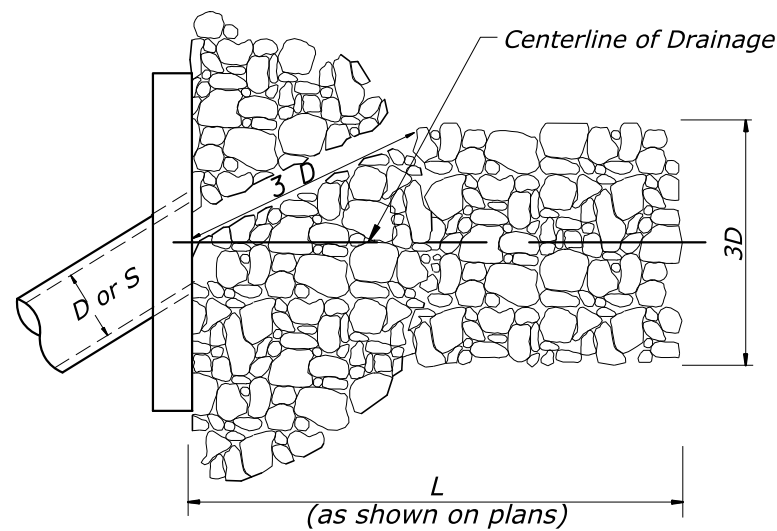
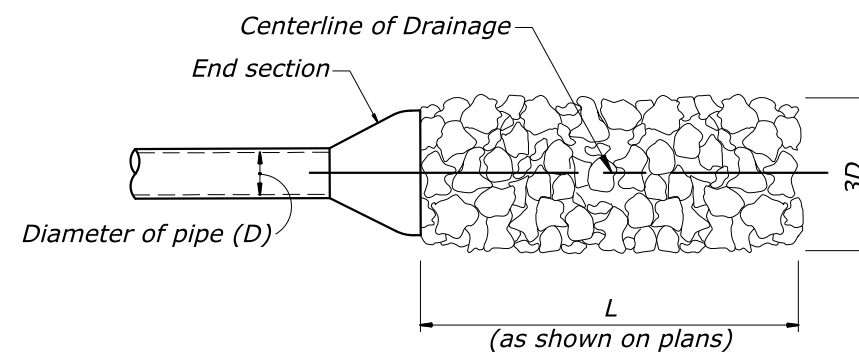


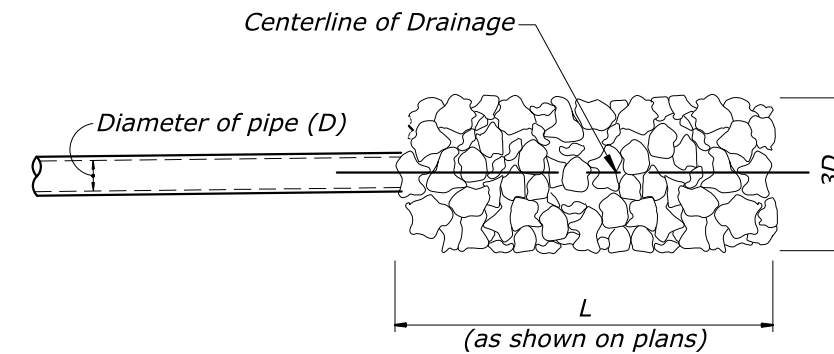
RIPRAP DEPTH TABLE	
Riprap Class	Depth (d)
2	18"
3	24"
4	30"



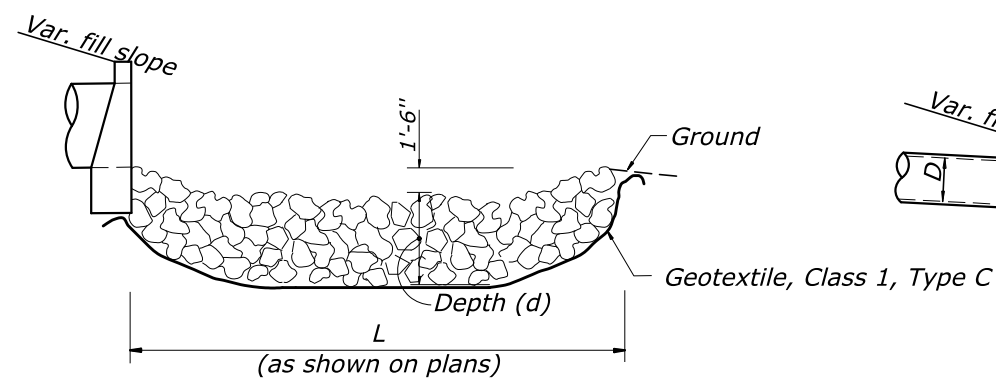
**PLAN**



**PLAN**

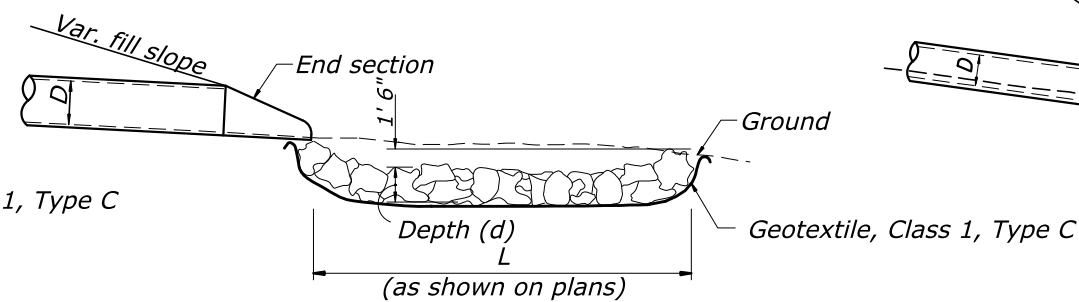


**PLAN**



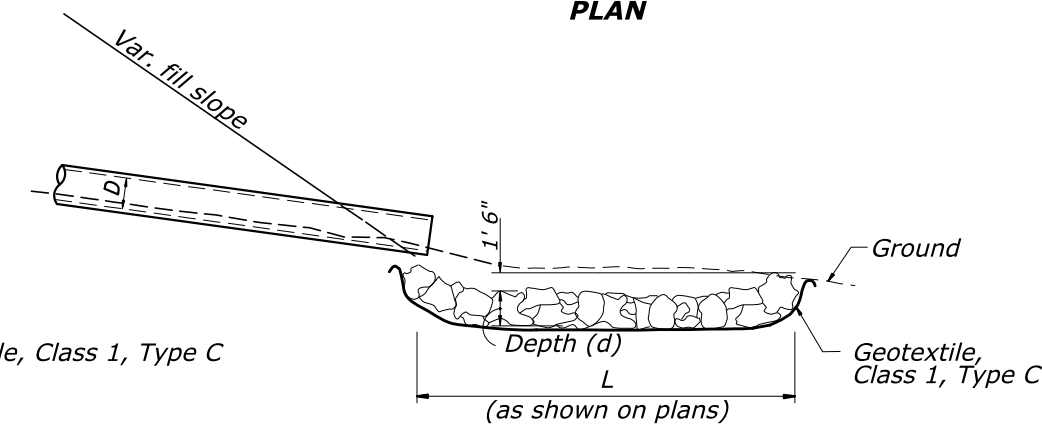
**ELEVATION**

**CULVERT WITH HEADWALL**



**ELEVATION**

**CULVERT WITH END SECTION**



**ELEVATION**

**CULVERT WITH NO END TREATMENT**

**NOTES:**

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

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
<b>LOOSE RIPRAP CHANNEL AT CULVERT</b>	
DETAIL APPROVED FOR USE	DETAIL
APPROVED : MAY 2011 REVISED : MAY 2015	E251-02