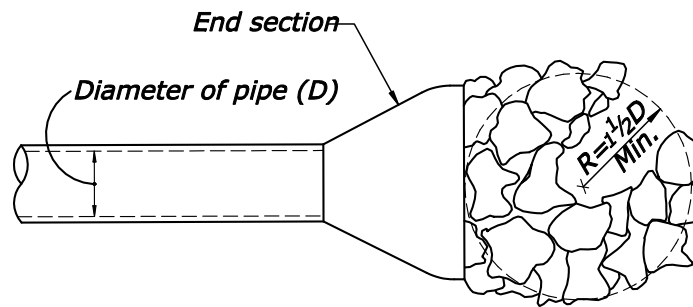
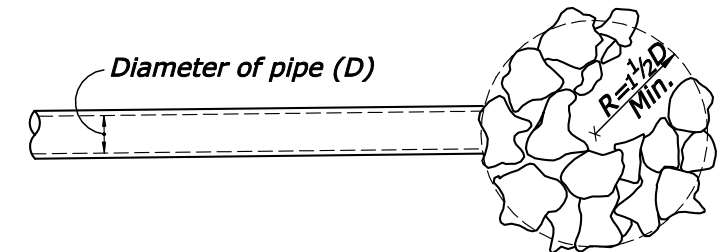


**PLAN**

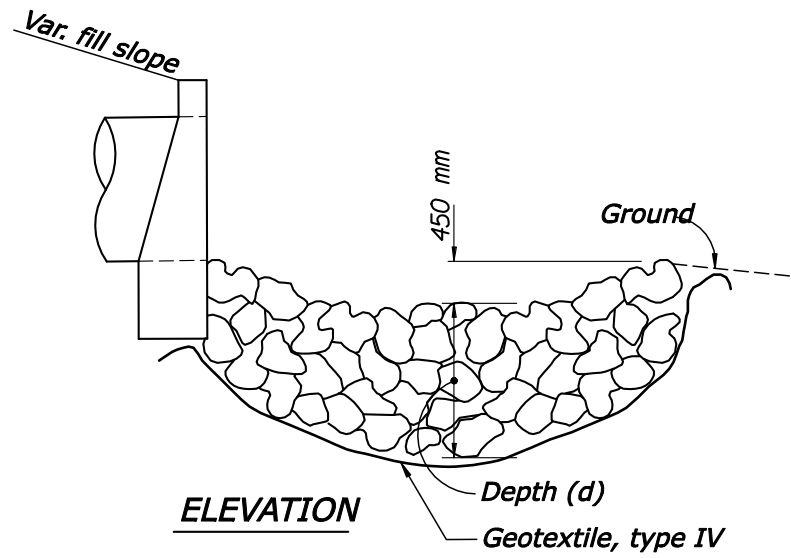


**PLAN**

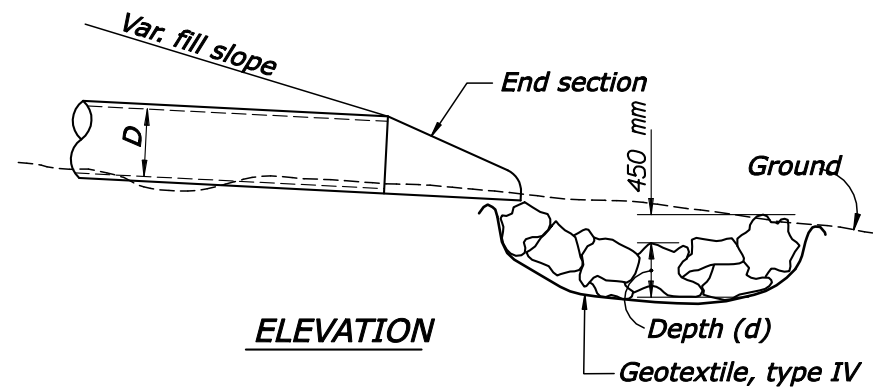
<b>DEPTH (d)</b>	
Riprap Class	Depth (d)-(mm)
1	300
2	450
3	600
4	760
5	1070
6	1220



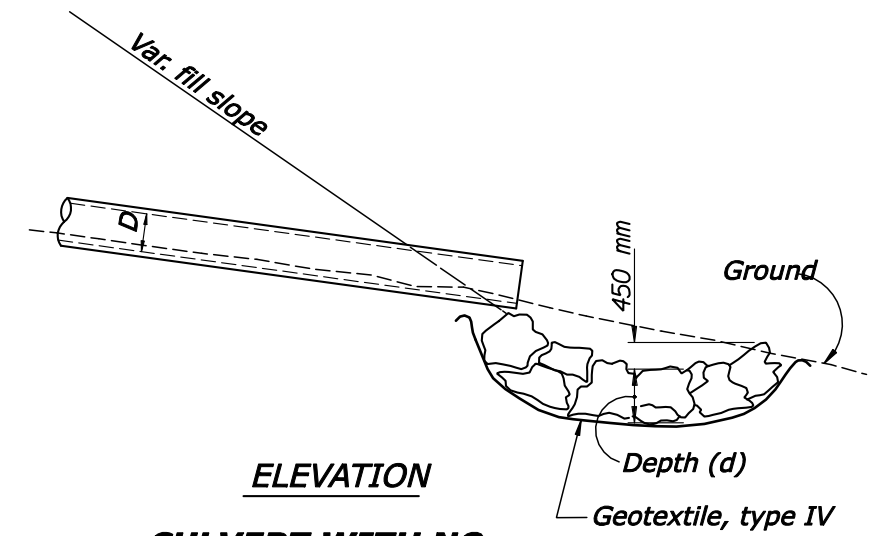
**PLAN**



**CULVERT WITH HEADWALL**



**CULVERT WITH END SECTION**



**CULVERT WITH NO END TREATMENT**

**NOTE:**  
For arch or elliptical pipes, use equivalent diameter for (D) dimension

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION	
METRIC DETAIL	
<b>LOOSE RIPRAP AT CULVERT</b>	
DETAIL APPROVED FOR USE	DETAIL
REVISED: 05/07	EM251-01

NO SCALE