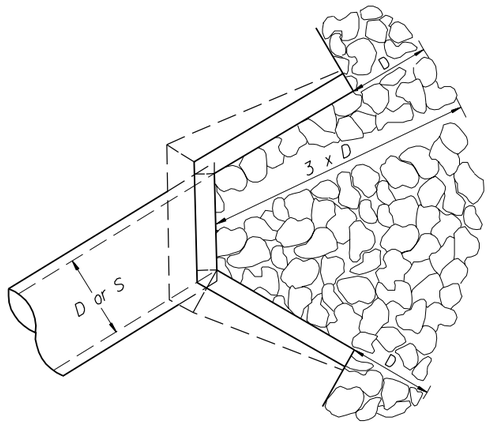
REG	STATE	PROJECT	SHEET NO.

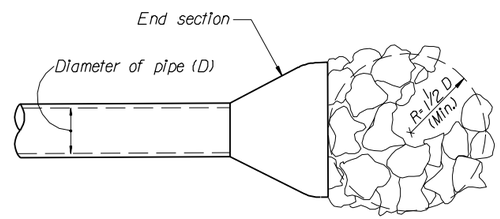
DEPTH (d)	
Riprap Class	Depth (d)-(mm)
1	300
2	450
3	600
4	750
5	1050
6	1200

NOTES:

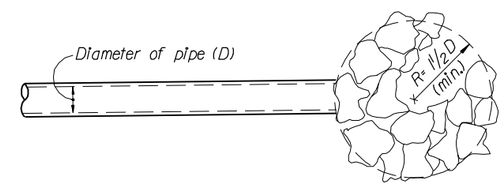
1. Unless otherwise shown, dimensions are in millimeters.
2. For arch or elliptical pipes, use equivalent diameter for (D) dimension.



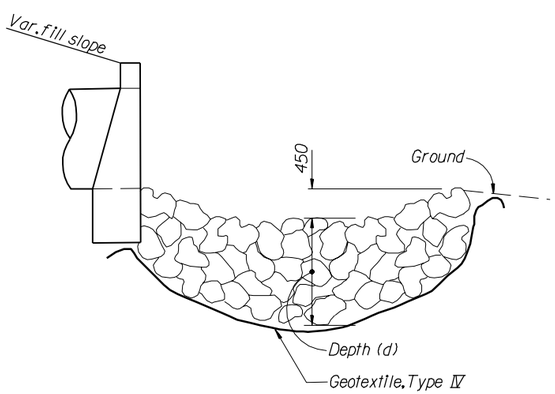
PLAN



PLAN

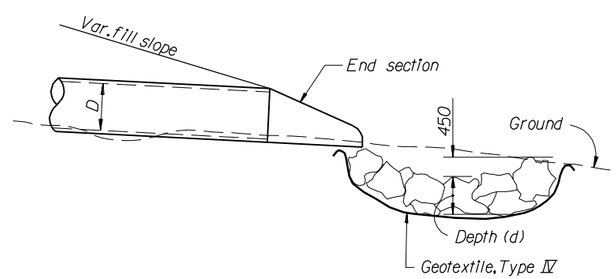


PLAN



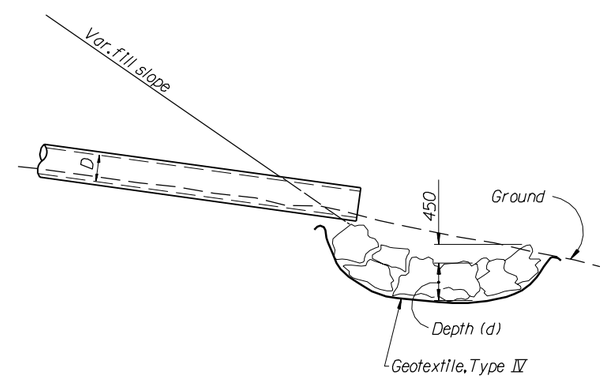
ELEVATION

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

METRIC DETAIL

LOOSE RIPRAP
AT CULVERT

DETAIL APPROVED FOR USE --/----

REVISED: 07/98

DETAIL
EM251-01

02/27/2003 07:57:18 AM M:\Standard\METRIC\EM251D1.dgn