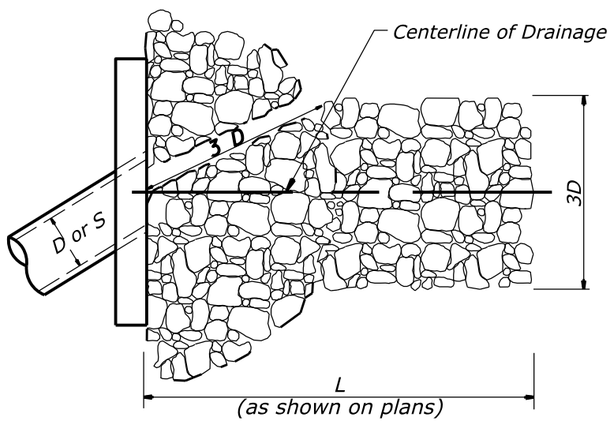
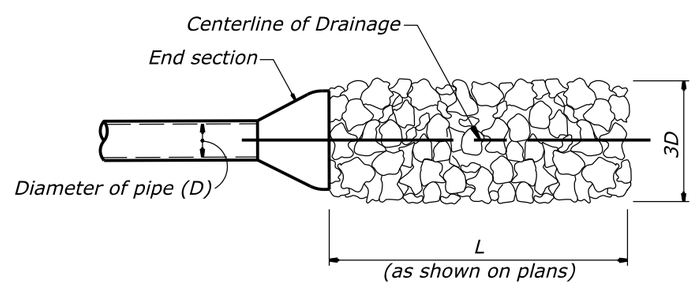
REG	STATE	PROJECT	SHEET NO.

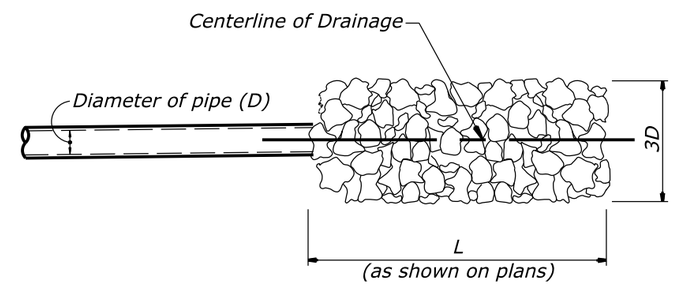
DEPTH (d)	
Riprap Class	Depth (d)-(in)
2	18
3	24
4	30



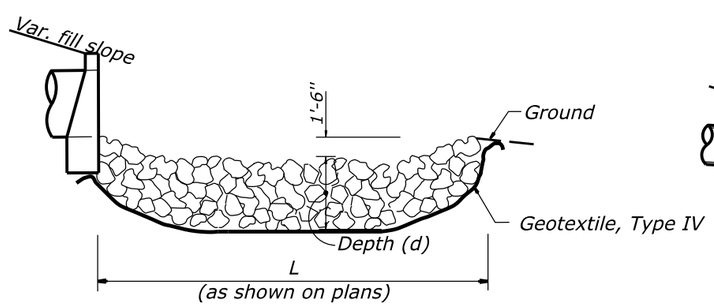
PLAN



PLAN

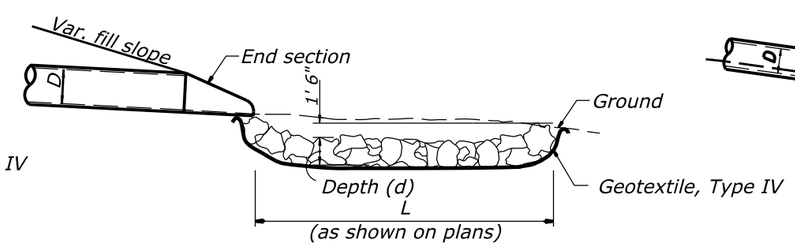


PLAN



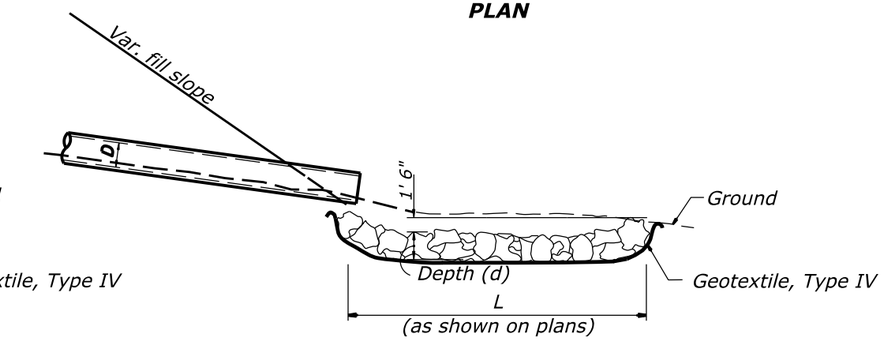
ELEVATION

CULVERT WITH HEADWALL



ELEVATION

CULVERT WITH END SECTION



ELEVATION

CULVERT WITH NO END TREATMENT

NOTE:

For arch or elliptical pipes, 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

LOOSE RIPRAP CHANNEL AT CULVERT

DETAIL APPROVED FOR USE

APPROVED : MAY 2011

DETAIL E251-02

$$$$DATE$$$$ $TIME$ $$$$DGN$$$$