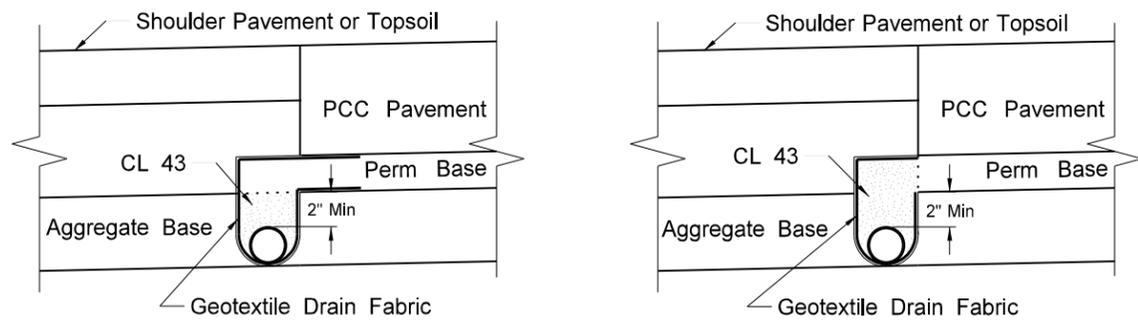
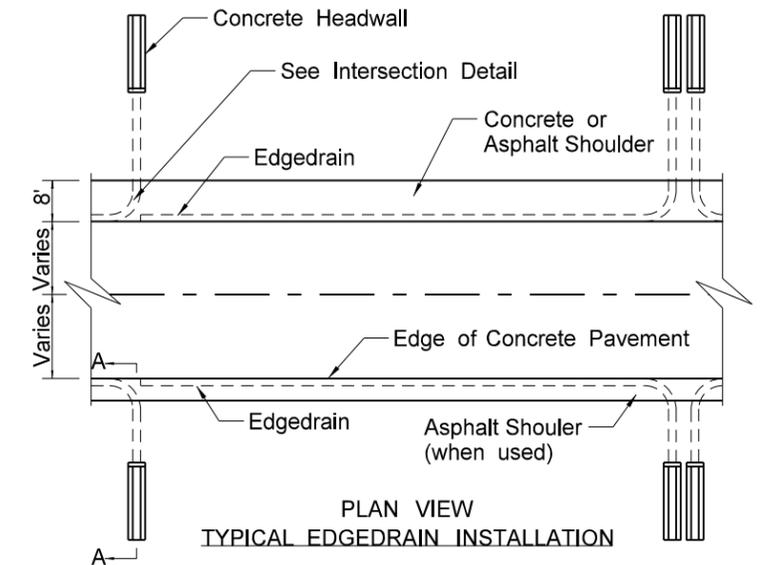
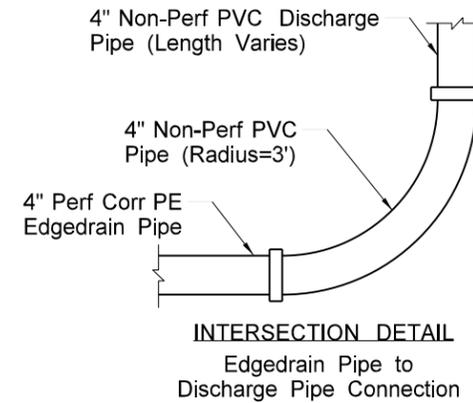


# EDGEDRAIN DETAILS

D-714-18



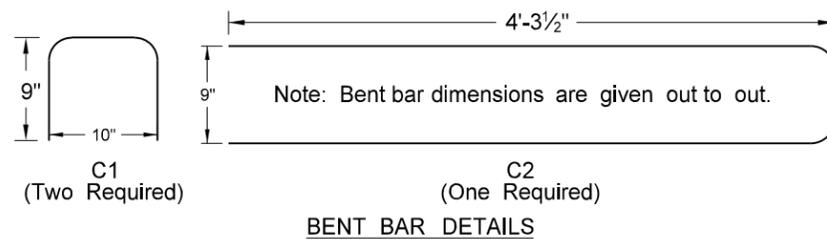
Option #1: Trench before permeable base is placed  
Option #2: Trench after permeable base is placed  
**TRENCH WRAP DETAILS**



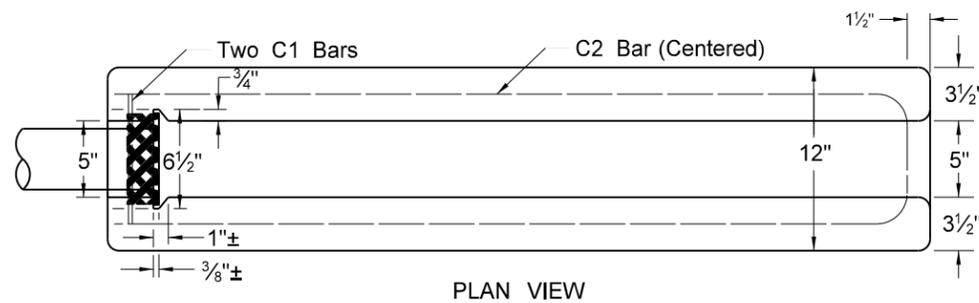
**SUPERELEVATED CURVES:** The edgeline, outlets, and headwalls shall be omitted from the high side of superelevated curves.

**RODENT SCREEN:** The rodent screen shall be fabricated from flattened expanded metal with screen openings of approximately 0.25 square inches. The screen shall be 16 ga metal, hot dip galvanized after fabrication.

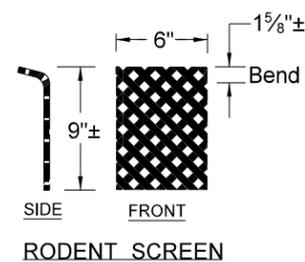
**REINFORCING BARS:** Reinforcing bars shall be No. 4 deformed steel bars.



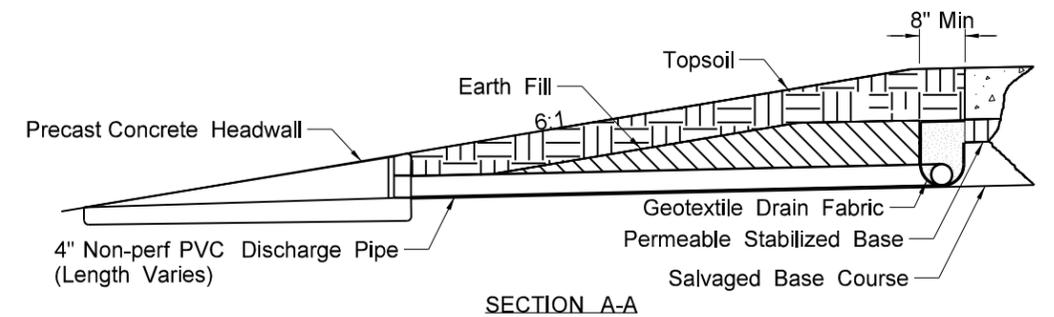
**BENT BAR DETAILS**



**PLAN VIEW**

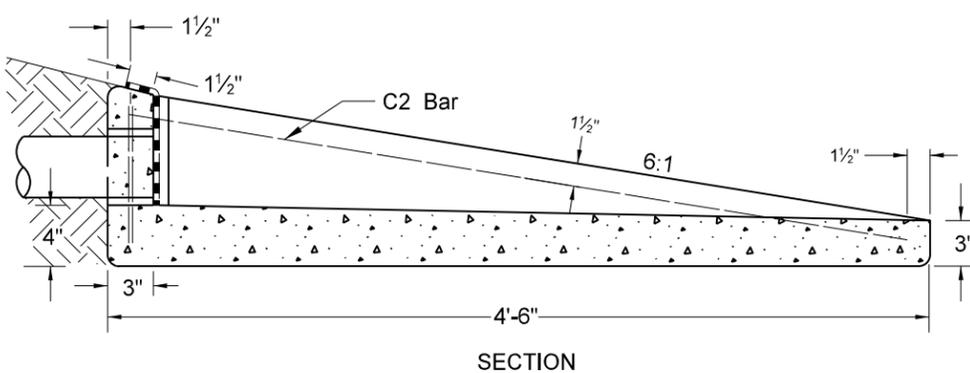


Dimensions are approximate to allow bend and a snug fit in headwall slot

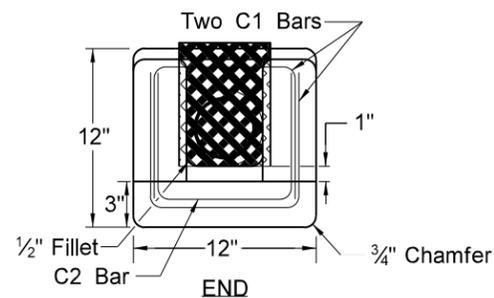


**SECTION A-A**

Section A-A shows edgeline location for median concrete shoulder installations on Interstate highways. For installations where asphalt shoulders will be constructed, or the outside shoulder is to be concrete, the edgeline is to be trenched adjacent to the roadway concrete pavement, and will be located beneath the shoulder pavement.



**PRECAST CONCRETE HEADWALL**



**END**

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
10-27-2010	
REVISIONS	
DATE	CHANGE

This document was originally issued and sealed by Roger Weigel, Registration Number PE- 2930 , on 10/27/2010 and the original document is stored at the North Dakota Department of Transportation