

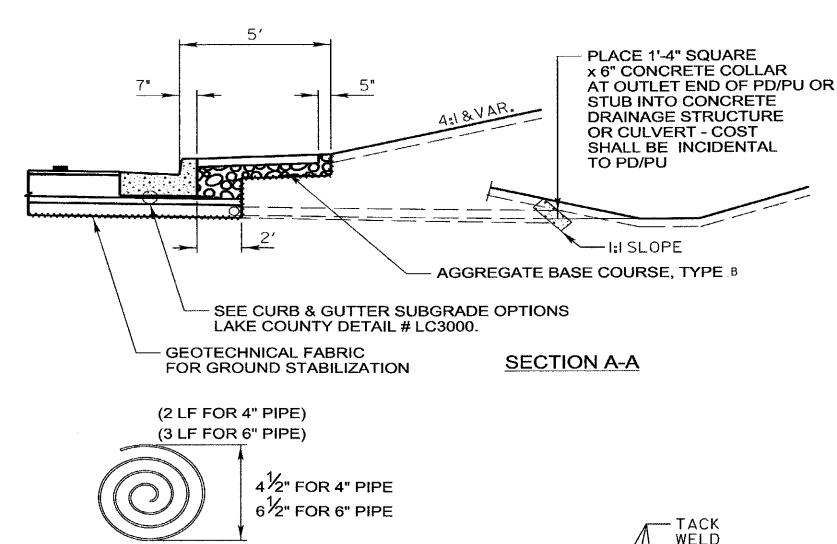
## TYPICAL PIPE DRAIN/ PIPE UNDERDRAIN OUTLET

## **DESIGN NOTES:**

All work shall be according to the applicable portions of the "Standard Specifications" except as modified hereon.

In addition to the requirements of Article 601.08 of the "Standard Specifications", the contract unit price per foot for pipe drains 4" & 6" and pipe underdrains 4" shall include the cost of furnishing and placing the rodent shield.

The removable rodent shield shall be furnished and installed in accordance with one of the configurations shown. The shield shall be fabricated from steel wire, or expanded metal, as detailed above and shall be galvanized after fabrication in accordance with AASHTO M-111. Other submitted designs for a removable rodent shield will be allowed with the approval of the Engineer.



3/16" WIRE STOCK BENT TO A SPIRAL CONFIGURATION. TO INSTALL, TWIST INTO PD/PU END. (FOR CORRUGATED CIRCULAR METAL PIPE)

PIPE DRAIN (PD). PIPE UNDERDRAIN (PU)

P.C.C. GROUT

**CULVERT, DRAINAGE** STRUCTURE OR **HANDHOLE** 

FIELD CUT HOLE IN **CULVERT FOR PIPE DETAIL C** 

TACK

6"x6" EXPANDED METAL SHIELD WITH TWO 2'-6" LONG PREFABRICATED 6 GAGE STEEL STRUTS FOR SNUG FIT INTO THE PD/PU END.

## RODENT SHIELDS DETAIL

(ALTERNATES)

NOT TO SCALE

LC6020

REVISIONS Pipe Drain Added to Labels	<b>DATE</b> 5/19/2009	LakeCounty Division of Transportation	OVED BY: M. G. ZEMAITIS DATE: APRIL 1. 2007
		SUB-SURFACE	

CMT

DESIGNED - MNB REVISED CHECKED - CMC REVISED PLOT SCALE = 40.0000 1/ 10 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

COUNTY SHEETS NO. **LCDOT STANDARD DRAWINGS** LAKE 120 73 CONTRACT NO. 63682 06-00153-07-CH SCALE: N.T.S. SHEET NO. 5 OF 5 SHEETS STA. N/A TO STA. N/A FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT