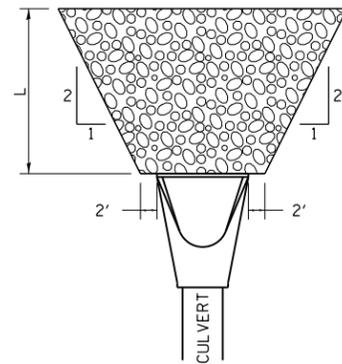
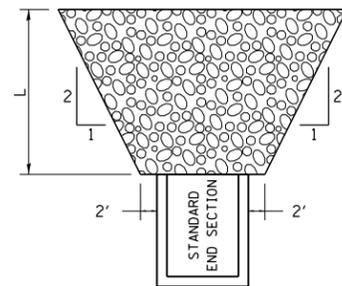


RIPRAP AT END SECTIONS



FLARED END SECTION



STANDARD END SECTION

REVISED - 2-10-14

THIS WORK SHALL BE DONE IN ACCORDANCE TO THE APPLICABLE PORTIONS OF SECTION 281 OF THE STANDARD SPECIFICATIONS FOR RIPRAP AND SECTION 282 OF THE STANDARD SPECIFICATIONS FOR FILTER FABRIC.

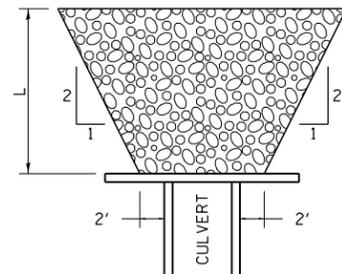
THE LENGTH OF RIPRAP (L) IS TO BE THREE (3) TIMES THE 10 YEAR CULVERT OUTLET VELOCITY, FROM THE WATERWAY INFORMATION TABLE (WIT).

IF THE CULVERT OUTLETS INTO A DEFINED CHANNEL, RIPRAP BANK TO BANK FOR LENGTH (L).

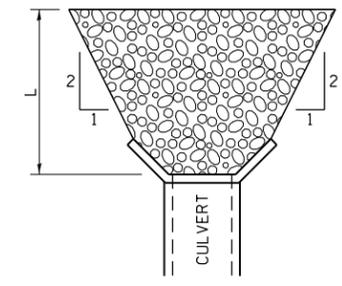
STANDARD END SECTION:
542001 (PIPE), 542011 (ELLIPTICAL)
DISTRICT STANDARD 34.1 (BOX).

RIPRAP SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR STONE RIPRAP OF CLASS SPECIFIED.

FILTER FABRIC SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD.



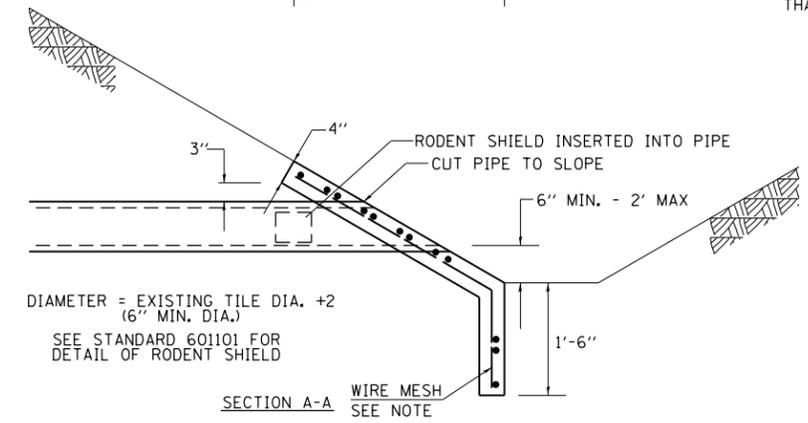
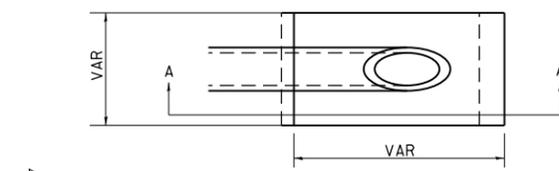
CULVERT WITH HEADWALL



CULVERT WITH WING WALLS

RIPRAP AT END SECTIONS 19.4

CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS



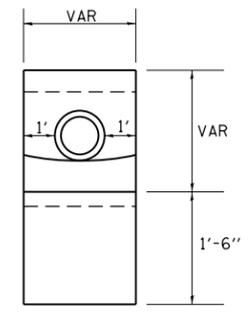
DIAMETER = EXISTING TILE DIA. +2
(6" MIN. DIA.)
SEE STANDARD 601101 FOR
DETAIL OF RODENT SHIELD

SECTION A-A WIRE MESH
SEE NOTE

REVISED - 10-09-10

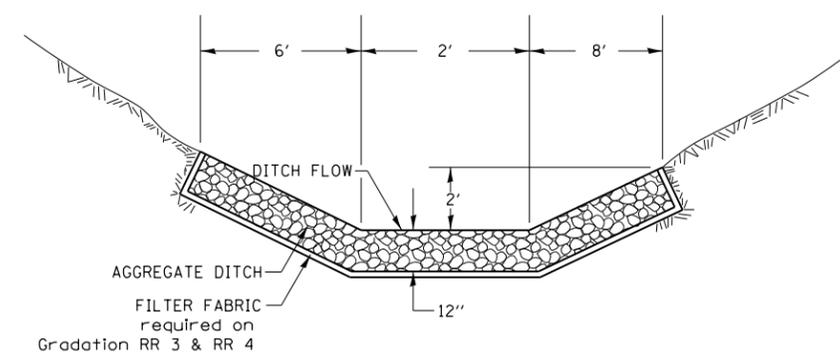
NOTES

1. ANY STORM SEWER OR FIELD TILE OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE EACH OF THE SIZE SPECIFIED. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.



CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 28.4

AGGREGATE DITCH FOR FLEXIBLE DITCH LINING



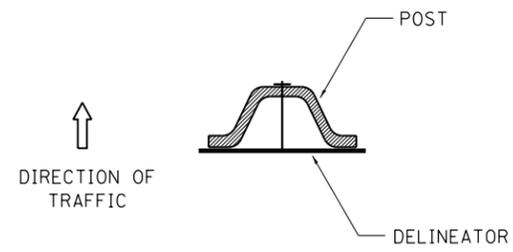
THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 283. AGGREGATE DITCH WILL BE MEASURED FOR PAYMENT IN PLACE AND THE AREA COMPUTED IN SQUARE YARDS OF ACTUAL SURFACE AREA. AGGREGATE DITCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR STONE RIPRAP CLASS A3 OR STONE RIPRAP CLASS A4 THE FILTER FABRIC SHALL BE ACCORDING TO SECTION 282. FILTER FABRIC WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR FILTER FABRIC.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 7-05-12

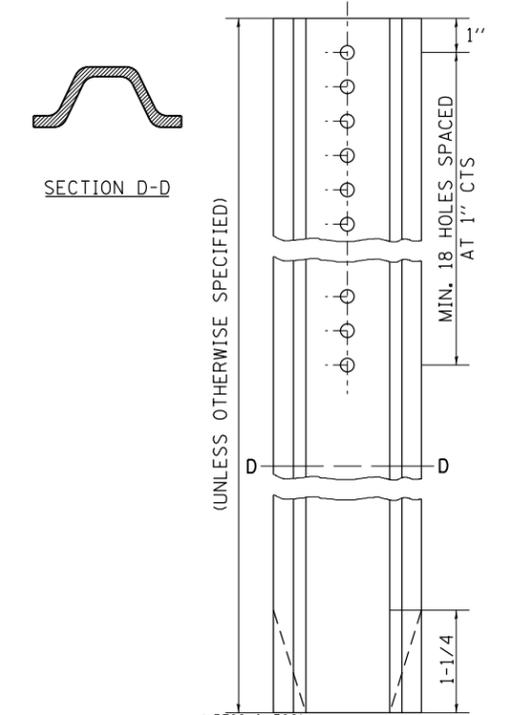
AGGREGATE DITCH FOR FLEXIBLE DITCH LINING 21.4

DELINEATOR AND POST ORIENTATION



DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



* 5789 & 5861

REVISED - 10-3-11	REGION 2 / DISTRICT 2 STANDARD		F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -	SCALE: 40,000' / 1"	SHEET NO. OF SHEETS STA. TO STA.	*	2R-1	HENRY	235	98
REVISED -			CONTRACT NO. 64J43				
REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DELINEATOR AND POST ORIENTATION 37.4