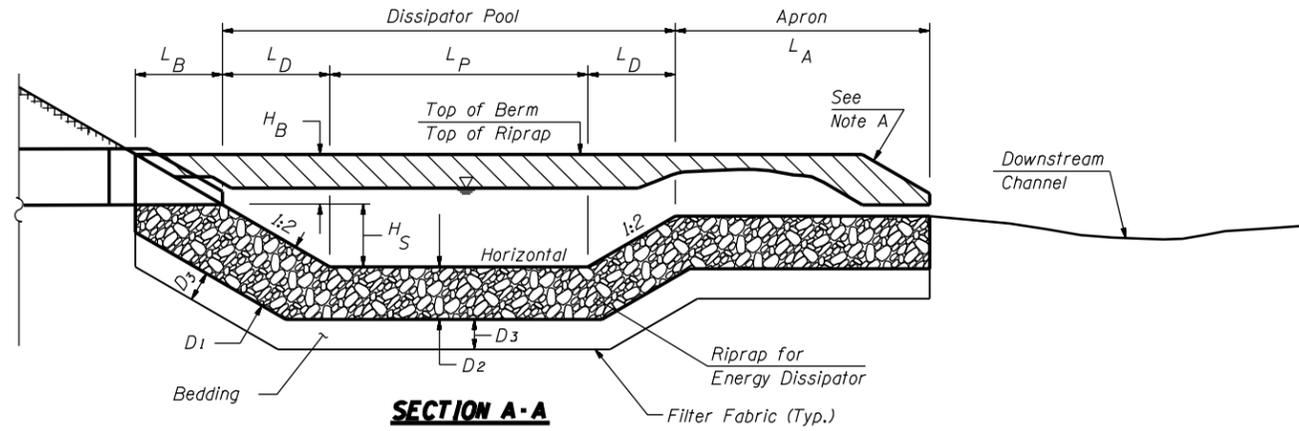
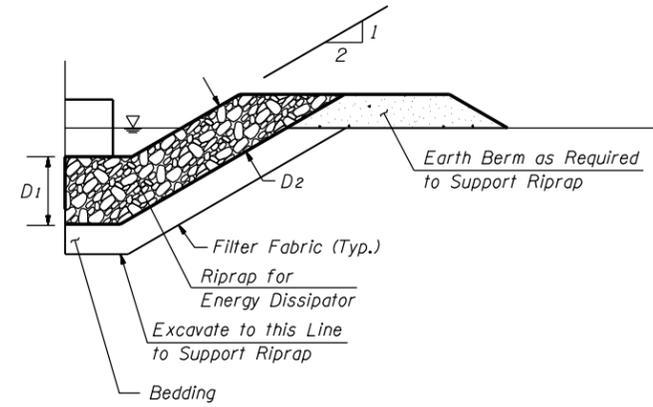


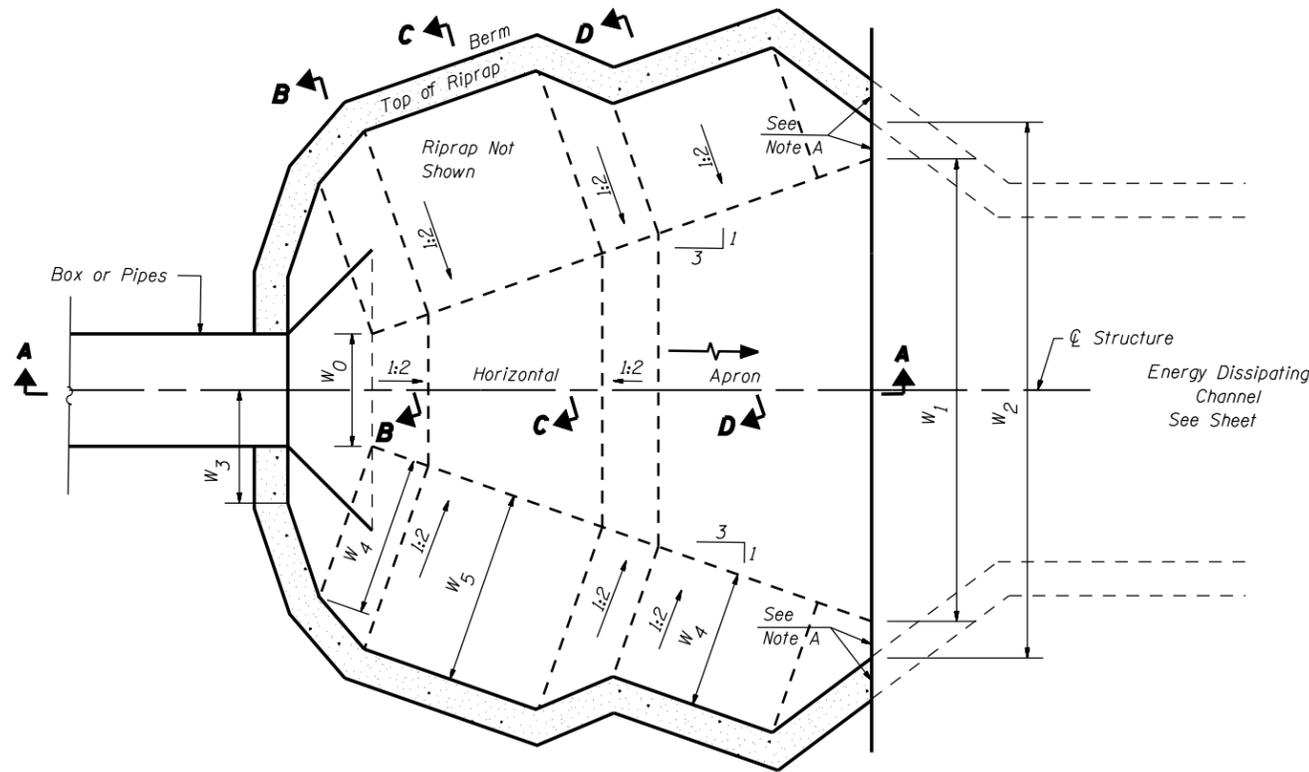
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
315	34-5	HANCOCK	612	291
STA.		TO STA.		
FED. ROAD DIST. No.		ILLINOIS FED. AID PROJECT		



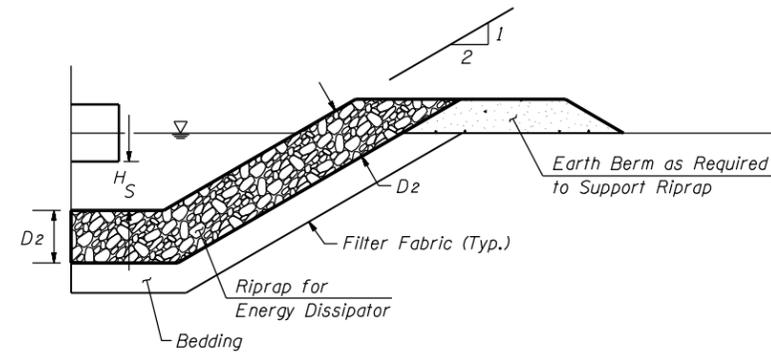
SECTION A-A



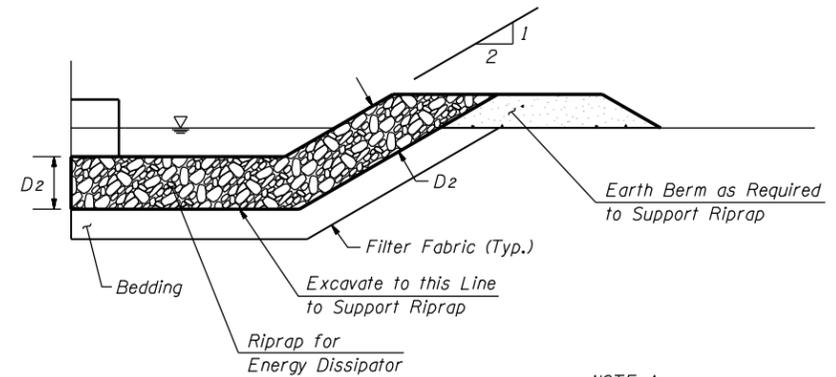
SECTION B-B



PLAN



SECTION C-C



SECTION D-D

NOTE A:
Warp Basin to conform to Natural Stream Channel.
Top of Riprap in Floor of Basin Should be at the Same Elevation or Lower than Natural Channel Bottom at End of Apron.

NOTE:
All Slope Ratios are Expressed as Units of Vertical Displacement to Units of Horizontal Displacement (V:H)

STRUCTURE SIZE	STATION	L _B	L _D	L _P	L _A	W ₀	W ₁	W ₂	W ₃	W ₄	W ₅	H _S	H _B	D ₁	D ₂	D ₃	RIPRAP Size	VOLUME Cu. Yd.	RIPRAP Ton
		ft.	in.																
6' x 6' BOX	1209+45, RT.	8.0	8.2	25.0	20.7	6.0	47.4	55.4	5.7	8.0	16.2	4.1	4.0	3.2	2.4	8	RR 5	302.9	530.2

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**RIPRAP ENERGY DISSIPATOR
DETAILS FOR BOX CULVERTS**

SCALE:
DATE: MARCH 10, 2006

DRAWN BY: RG
CHECKED BY: JAC