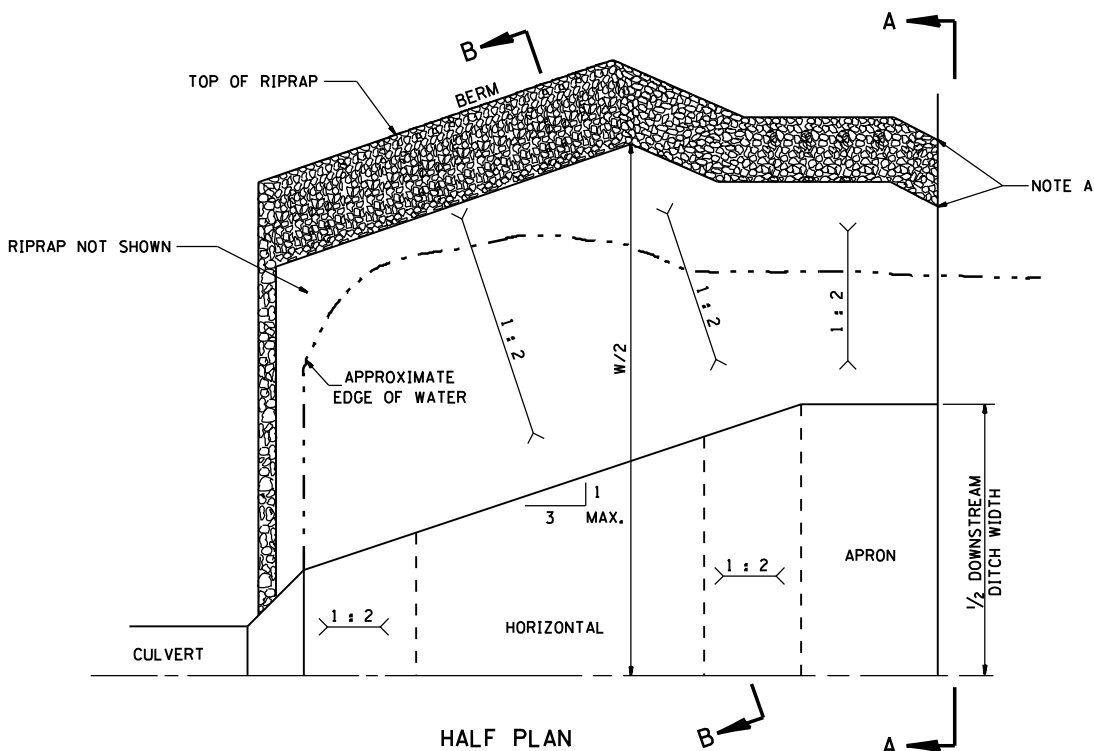
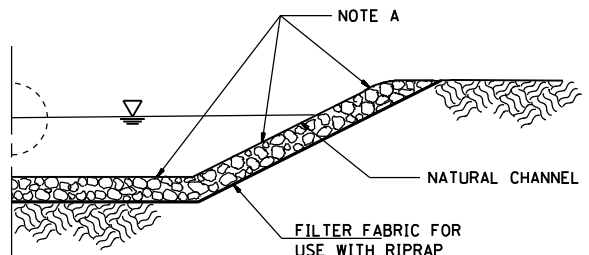


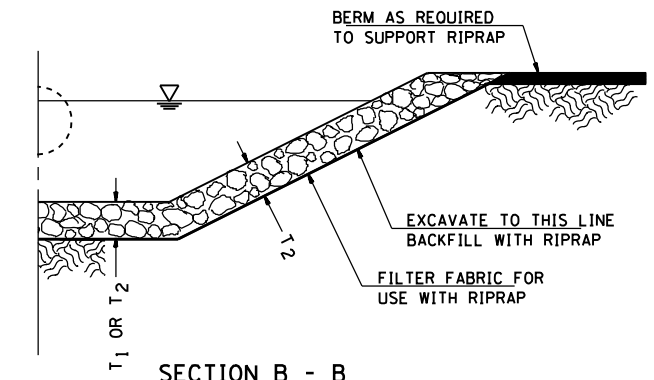
SECTION C - C



HALF PLAN



SECTION A - A



SECTION B - B

*NOTE: TOTALS PROVIDED IN THIS DETAIL ARE ALSO SHOWN IN THE RIPRAP SCHEDULE OF QUANTITIES. THESE QUANTITIES ARE FOR REFERENCE TO EACH ENERGY DISSIPATOR BASIN ONLY

NOTE A - TRANSITION BASIN TO CONFORM TO THE NATURAL STREAM CHANNEL. TOP OF RIPRAP IN THE FLOOR OF THE BASIN SHOULD BE AT THE SAME ELEVATION OR LOWER THAN THE NATURAL CHANNEL BOTTOM AT SECTION "C - C".

ROUTE	STATION	DISSIPATOR POOL LENGTH	APRON LENGTH	W WIDTH	hs	TOP OF BERM	RIPRAP THICKNESS		RIPRAP CLASS	RIPRAP FOR STILLING BASIN	RIPRAP FOR USE WITH RIPRAP
		FT	FT	FT	FT	FT	T1	T2			
US 136	950+30 (RT)	26.5	12.4	25	2	4.3	4.75	2.75	A6	423	259
US 136	961+75 (LT)	48	16	32	2	8.1	3.50	1.50	A4	780	745
US 136	982+75 (RT)	20	10	18.5	2	4.5	3.75	1.75	A5	193	163
US 136	989+20 (LT)	20	4	19	2	3	4.00	2.00	A4	177	146
US 136	1031+45 (RT)	27	5	27	2	3	4.00	2.00	A5	264	207
US 136	1055+70 (RT)	20	10	18	2	3	4.00	2.00	A5	196	138
US 136	1063+65 (RT)	20	10	17.5	2	3	4.00	2.00	A5	182	136
US 136	1073+75 (RT)	20	10	17.5	2	3	4.00	2.00	A5	182	136
US 136	1077+06 (RT)	20	10	18.5	2	3	4.00	2.00	A5	198	140
US 136	1083+20 (RT)	20	10	17	2	3	3.50	1.50	A4	138	134
US 136	1099+25 (RT)	20	10	20	2	3	3.50	1.50	A4	219	146
US 136	1171+86 (RT)	20	10	17.5	2	3	4.00	2.00	A5	182	136
TR 198	10+91.60 (RT)	20	10	17.5	2	3	4.00	2.00	A5	215	157
TR 222	18+94.29 (LT)	20	10	16	2	3	3.50	1.50	A4	120	130
TR 222	20+97.31 (LT)	20	10	16.5	2	3	3.50	1.50	A4	128	132
TR 232	49+02.61 (RT)	20	10	17	2	3.1	3.50	1.50	A4	117	136
CH 28	55+88 (LT)	24	8	24	2	9.3	4.00	2.00	A5	493	322
TOTALS										4207	3363

EARTH EXCAVATION FOR ENERGY DISSIPATING BASINS

THIS WORK INVOLVES THE EXCAVATION OF EARTH AS SHOWN IN THE DETAIL TO THE LENGTH, WIDTH, AND DEPTH DETERMINED BY THE ENGINEER. THE EARTH EXCAVATION WILL BE UTILIZED IN THE ROADWAY EMBANKMENT OR WASTED AS DIRECTED BY THE ENGINEER.

THE EARTHWORK WILL BE MEASURED AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR " EARTH EXCAVATION FOR STILLING BASINS ".

ENERGY DISSIPATING BASINS SHALL BE CONSTRUCTED AT THE SAME TIME AS THE CULVERT OR DITCH.

ENERGY DISSIPATING BASINS ARE TO BE CONSTRUCTED AT LOCATIONS INDICATED WITH THE FOLLOWING SYMBOL **EDB**

RIPRAP FOR ENERGY DISSIPATING BASINS

RIPRAP FOR ENERGY DISSIPATING BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 601 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISION FOR STONE DUMPED RIPRAP.

THE LENGTH, WIDTH, AND DEPTH FOR RIPRAP PLACEMENT WILL BE DETERMINED BY THE ENGINEER.

THE RIPRAP MATERIAL SHALL CONFORM TO CLASS A QUALITY.

BEDDING MATERIAL WILL NOT BE REQUIRED.

FILTER FABRIC WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR FILTER FABRIC FOR USE WITH RIPRAP.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**FAP ROUTE 315
SPECIAL DETAILS
ENERGY DISSIPATING BASIN**

DATE 1/31/06
DRAWN BY JCG
CHECKED BY JRB