

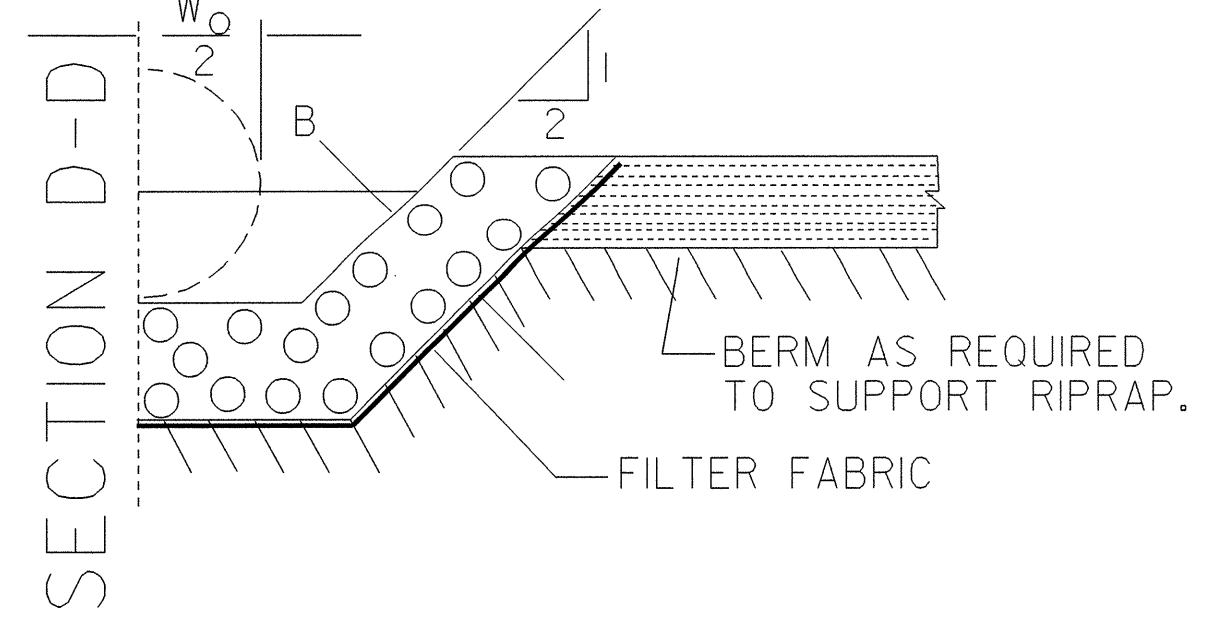
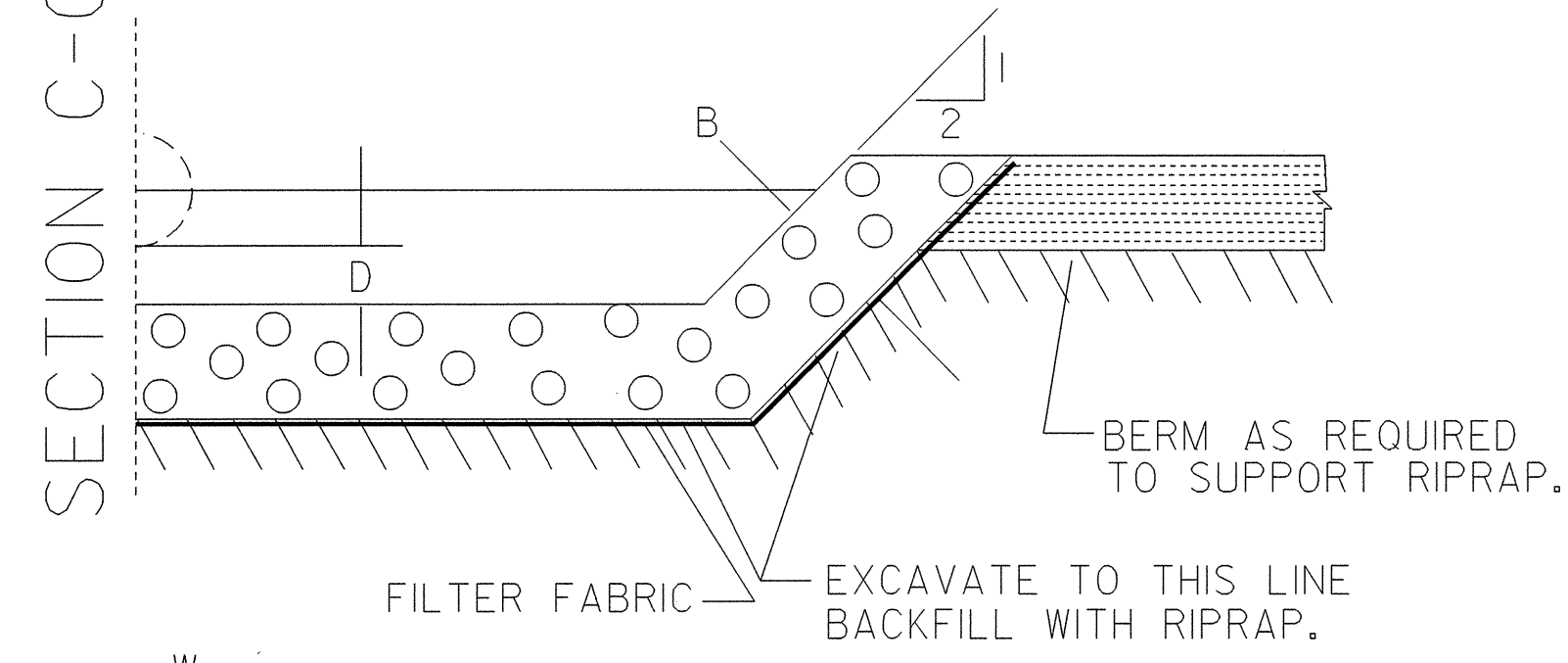
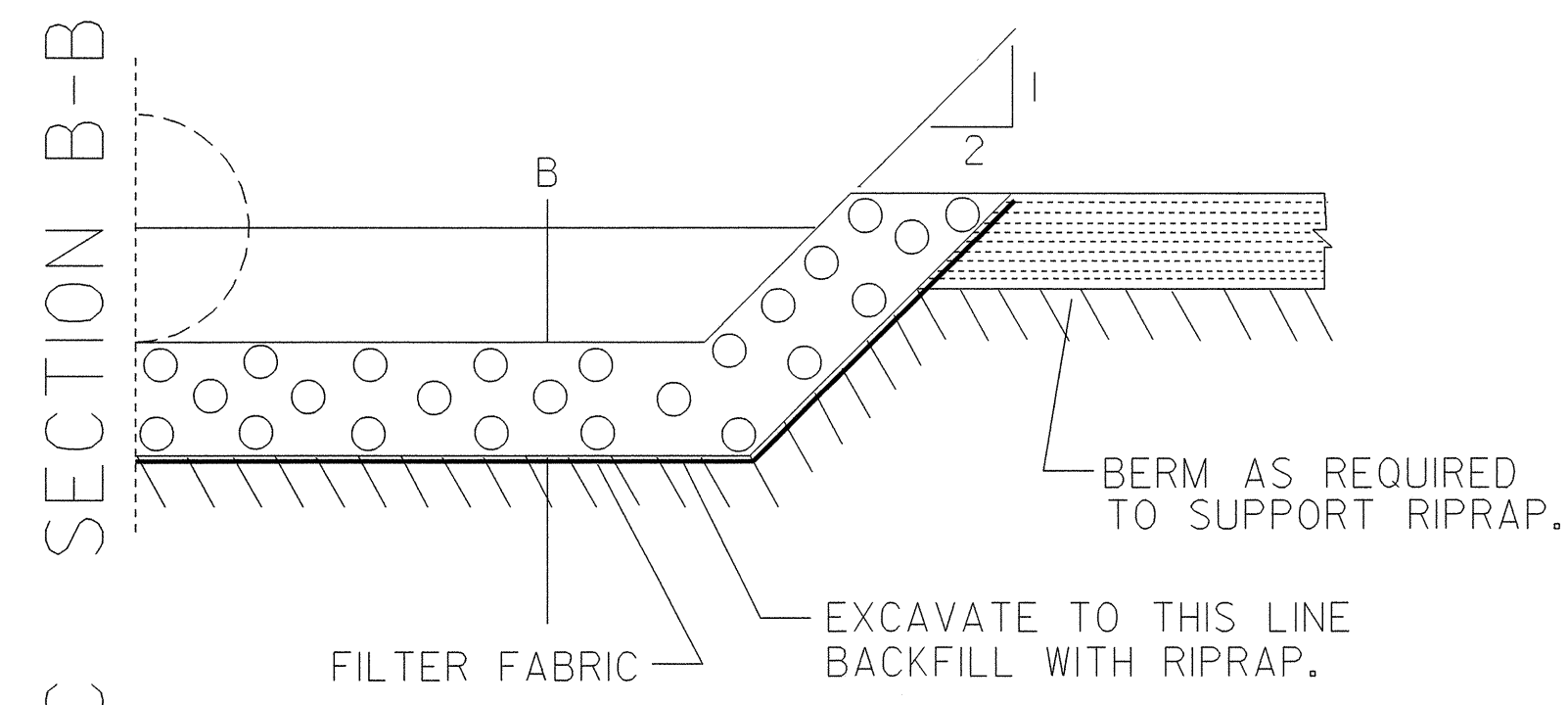
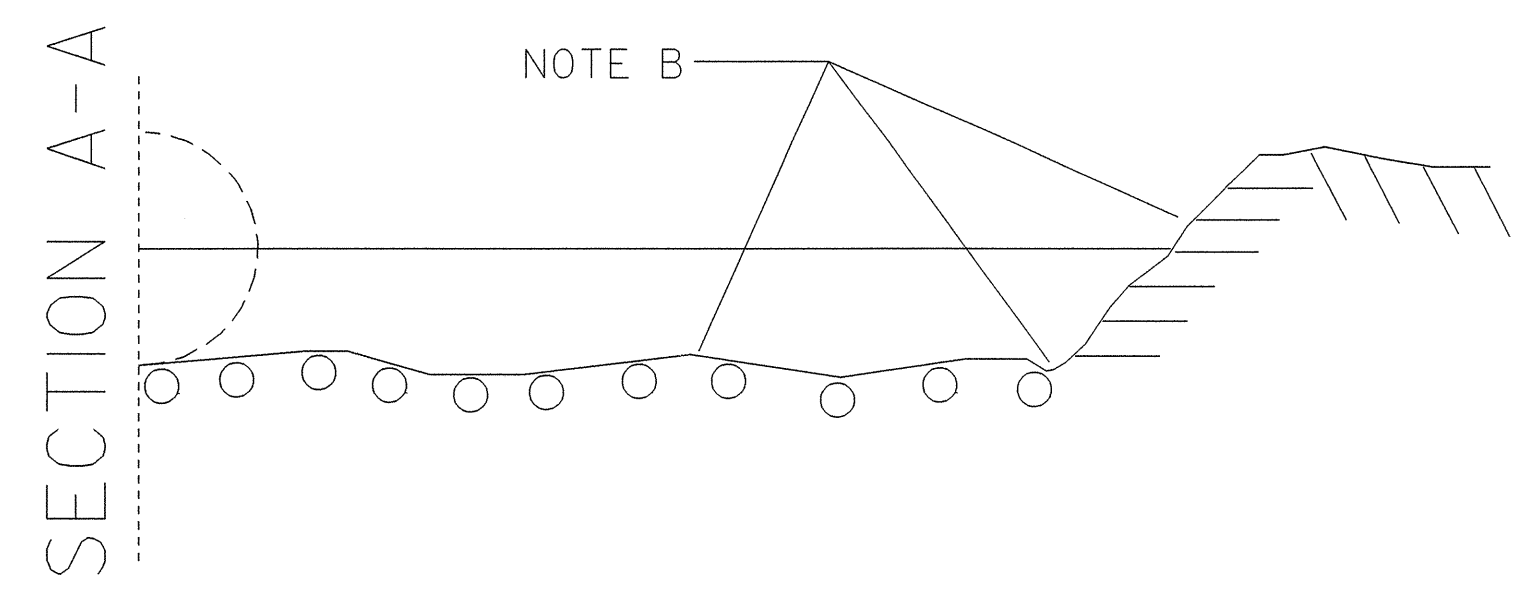
DIM.	RIP RAP BASIN #							
	1	2	3	4	5	6	7	8
A	0.4	0.4	0.3	0.4	0.6	0.6		
B	0.3	0.3	0.3	0.3	0.4	0.4		
C	0.5	0.5	0.4	0.5	0.8	0.8		
D	0.3	0.3	0.3	0.3	0.4	0.5		
E	0.7	0.7	0.5	0.7	1.1	0.9		
F	1.3	1.3	0.9	1.3	1.7	2.0		
G	3.0	3.0	3.0	3.0	4.0	5.0		
H	2.0	2.0	2.0	2.0	2.0	2.0		

BASIN #	LOCATION (AT OUTLET)	CLASS RIP RAP
1	STA. 29+64 -L- LT	"A"
2	STA. 38+33 -L- RT	"A"
3	STA. 40+90 -L- LT	"A"
4	STA. 44+68 -L- RT	"A"
5	STA. 50+86 -L- RT	"B"
6	STA. 58+25 -L- RT	"B"
7		
8		

ALL DIMENSIONS APPROXIMATE

NOTE A IF EXIT VELOCITY OF BASIN IS SPECIFIED, EXTEND BASIN AS REQUIRED TO OBTAIN SUFFICIENT CROSS SECTIONAL AREA AT SECTION A-A SUCH THAT  $Q_{des} / (\text{CROSS SECTION AREA AT SEC. A-A}) = \text{SPECIFIED EXIT VELOCITY}$ .

NOTE B WARP BASIN TO CONFORM TO NATURAL STREAM CHANNEL. TOP OF RIPRAP IN FLOOR OF BASIN SHOULD BE AT SAME ELEVATION OR LOWER THAN NATURAL CHANNEL BOTTOM AT SEC. A-A. PROVIDE SMOOTH TRANSITION FROM END OF APRON TO NATURAL CHANNEL WIDTH.



NOTE:  
 $W_o$  = DIAMETER FOR PIPE CULVERT  
 $W_o$  = BARREL WIDTH FOR BOX CULVERT  
 $W_o$  = SPAN OF PIPE-ARCH CULVERT

- RIP RAP BASIN # 1  
 EST. 17 MTNS CLASS "A" RIP RAP  
 EST. 35 SM FILTER FABRIC  
 EST. 4 CM DDE
- RIP RAP BASIN # 2  
 EST. 17 MTNS CLASS "A" RIP RAP  
 EST. 35 SM FILTER FABRIC  
 EST. 4 CM DDE
- RIP RAP BASIN # 3  
 EST. 13 MTNS CLASS "A" RIP RAP  
 EST. 30 SM FILTER FABRIC  
 EST. 4 CM DDE
- RIP RAP BASIN # 4  
 EST. 17 MTNS CLASS "A" RIP RAP  
 EST. 35 SM FILTER FABRIC  
 EST. 4 CM DDE
- RIP RAP BASIN # 5  
 EST. 39 MTNS CLASS "B" RIP RAP  
 EST. 60 SM FILTER FABRIC  
 EST. 6 CM DDE
- RIP RAP BASIN # 6  
 EST. 43 MTNS CLASS "B" RIP RAP  
 EST. 65 SM FILTER FABRIC  
 EST. 8 CM DDE

# DETAIL OF RIP-RAPPED ENERGY DISSIPATOR BASIN

03-NOV-2003 07:55  
 R:\projects\2610A\2610A.dwg  
 R:\projects\2610A\2610A.dwg