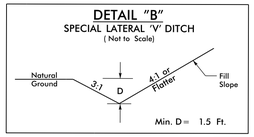
PROJECT REFERENCE NO.	SHEET NO.
U-3465	EC-33/CONST J5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

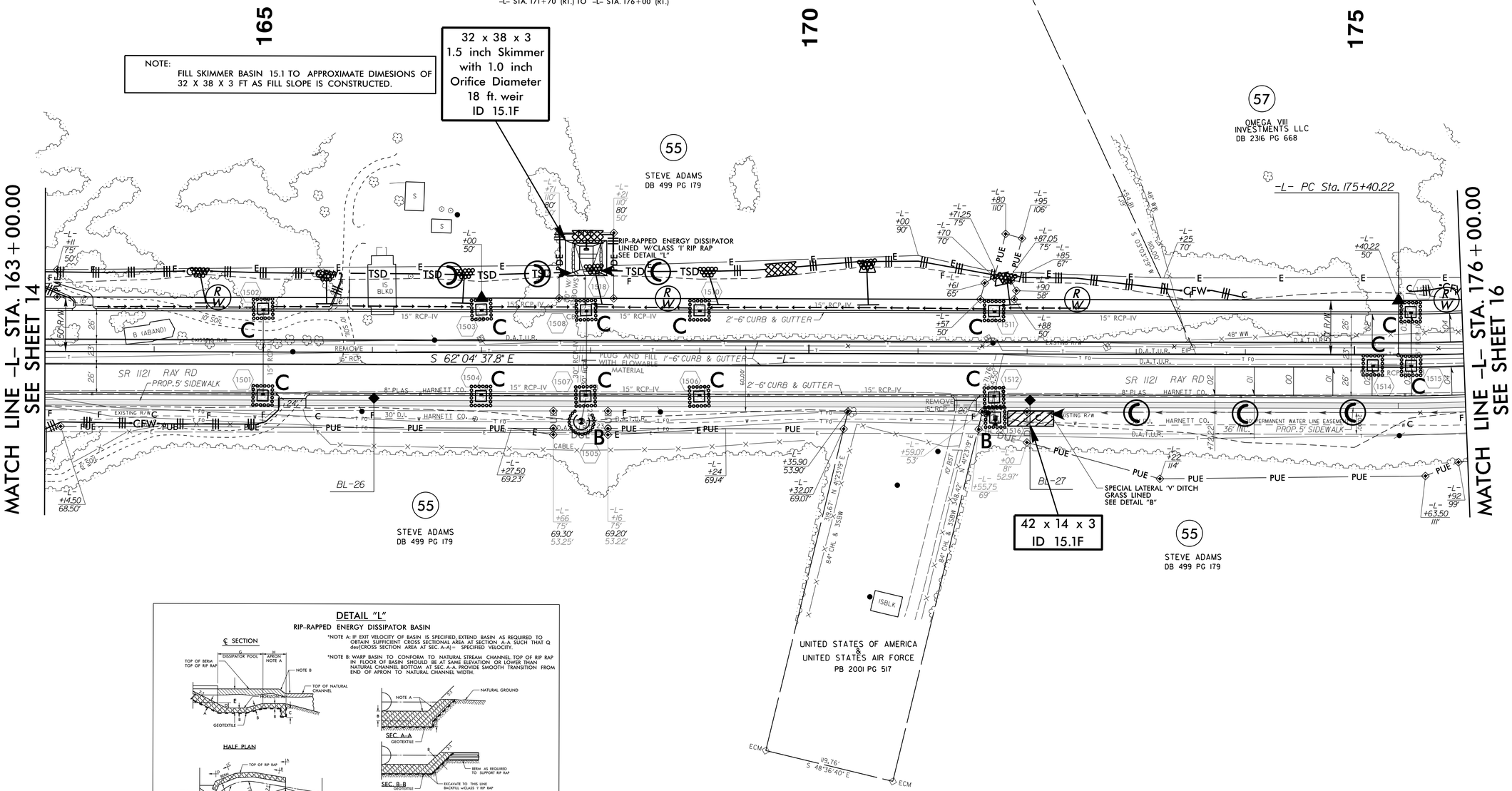
DETAIL "B"

SPECIAL LATERAL 'V' DITCH
(Not to Scale)



-L- STA. 171+70 (RT.) TO -L- STA. 176+00 (RT.)

NOTE:
FILL SKIMMER BASIN 15.1 TO APPROXIMATE DIMESIONS OF 32 X 38 X 3 FT AS FILL SLOPE IS CONSTRUCTED.

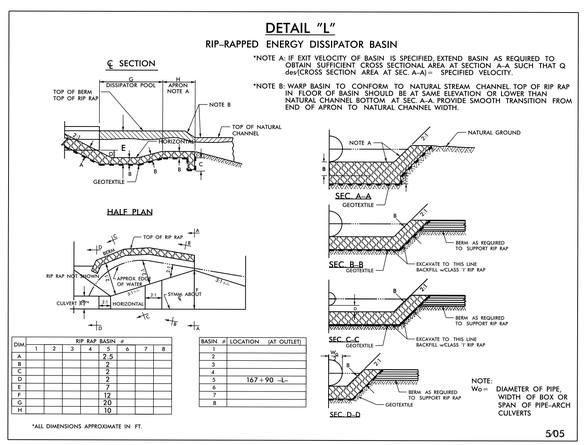


DETAIL "L"

RIP-RAPPED ENERGY DISSIPATOR BASIN

*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(CROSS SECTION AREA AT SEC. A-A) = SPECIFIED VELOCITY.

*NOTE B: WARP BASIN TO CONFORM TO NATURAL STREAM CHANNEL TOP OF RIP RAP 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.



DIM	RIP RAP BASIN # 1	2	3	4	5	6	7	8
A					2.5			
B					2			
C					2			
D					2			
E					7			
F					12			
G					20			
H					10			

*ALL DIMENSIONS APPROXIMATE IN FT.

BASIN #	LOCATION (AT OUTLET)
1	
2	
3	
4	
5	167+90 -L-
6	
7	
8	

NOTE:
Wo = DIAMETER OF PIPE, WIDTH OF BOX OR SPAN OF PIPE-ARCH CULVERTS

5/05

05-AUG-2014 15:01
H:\Environmental\Design\3465_EC_psh15.dgn
MicroStation V8 REN(2)416