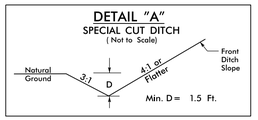
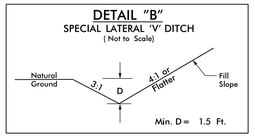
PROJECT REFERENCE NO.	SHEET NO.
U-3465	EC-16/CONST.16
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DETAIL "A"
SPECIAL CUT DITCH
(Not to Scale)



-Y7- STA. 11+25 (RT.) TO -Y7- STA. 12+25 (RT.)

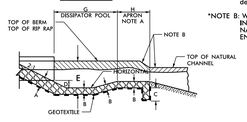
DETAIL "B"
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



-L- STA. 180+50 (RT.) TO -L- STA. 183+50 (RT.)
-Y7- STA. 12+50 (LT.) TO -Y7- STA. 13+25 (LT.)

DETAIL "L"
RIP-RAPPED ENERGY DISSIPATOR BASIN

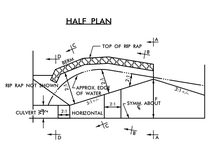
℄ SECTION

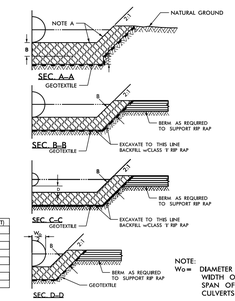


*NOTE A: IF EXIT VELOCITY OF BASIN IS SPECIFIED, EXTEND BASIN AS REQUIRED TO OBTAIN SUFFICIENT CROSS SECTIONAL AREA AT SECTION A-A SUCH THAT Q des/CROSS SECTION AREA AT SEC. A-A)= SPECIFIED VELOCITY.

*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.

HALF PLAN





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

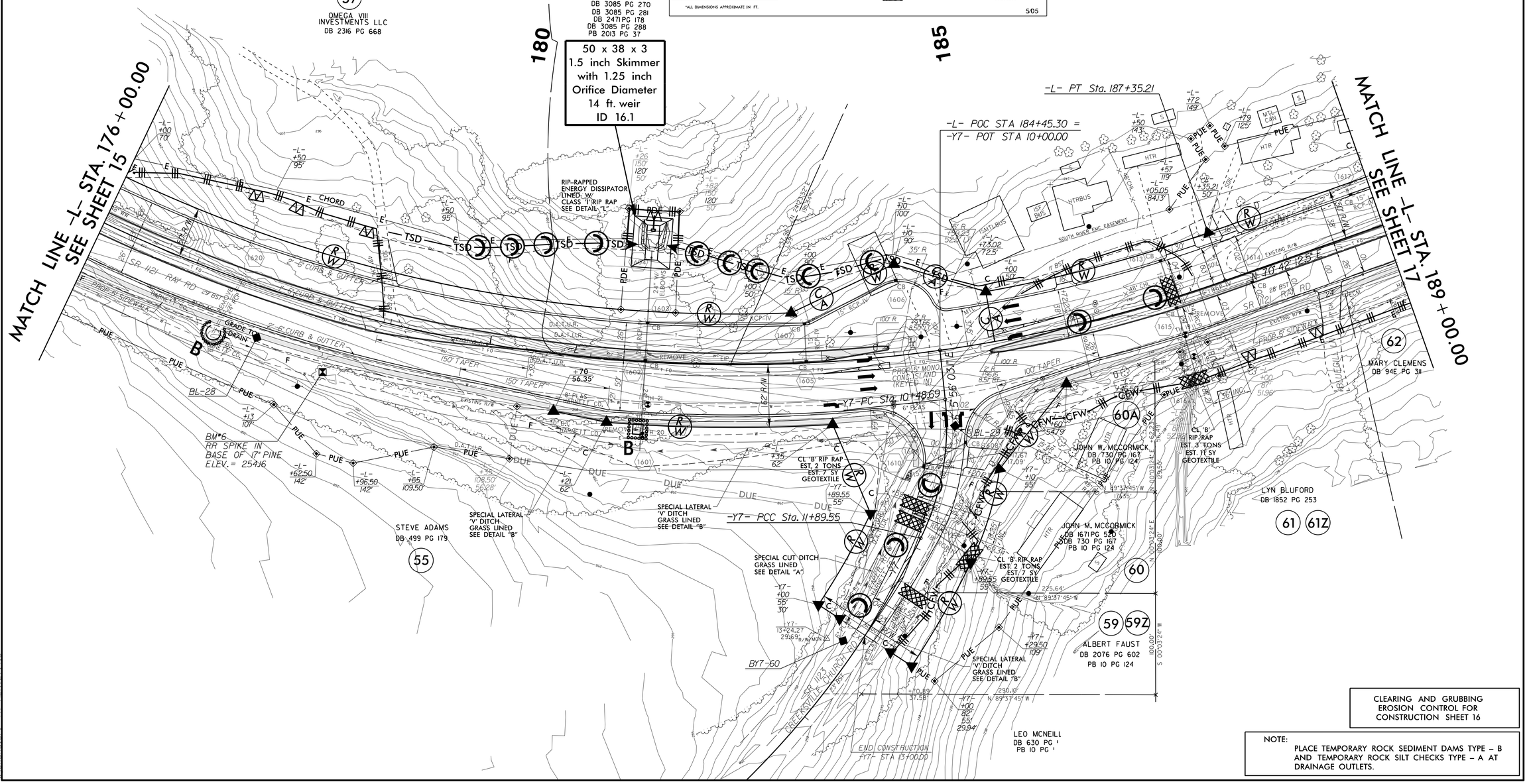
DIM.	RIP RAP BASIN # 1	2	3	4	5	6	7	8
A						2.5		
B						2		
C						2		
D						2		
E						5		
F						11		
G						20		
H						10		

BASIN #	LOCATION (AT OUTLET)
1	
2	
3	
4	
5	
6	181+54 -L-
7	
8	

*ALL DIMENSIONS APPROXIMATE IN FT.

505

NAD 83/95



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 16

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

05-AUG-2014 15:06
H:\Environmental\Design\3465_EC_psh16.dgn
kcbennett AQUA REV 7/16