PROJECT REFERENCE NO.	SHEET NO.
U-3465	EC-23/CONST.05
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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	5							
F	11							
G	20							
H	10							

*ALL DIMENSIONS APPROXIMATE IN FT.

BASIN #	LOCATION (AT OUTLET)
1	10+27 -L12-
2	
3	
4	
5	
6	
7	
8	

DETAIL "B"

SPECIAL LATERAL 'V' DITCH

(Not to Scale)

-L- STA. 39+70 (LT.) TO -L- STA. 41+50 (LT.)

DETAIL "D"

STANDARD 'V' DITCH

(Not to Scale)

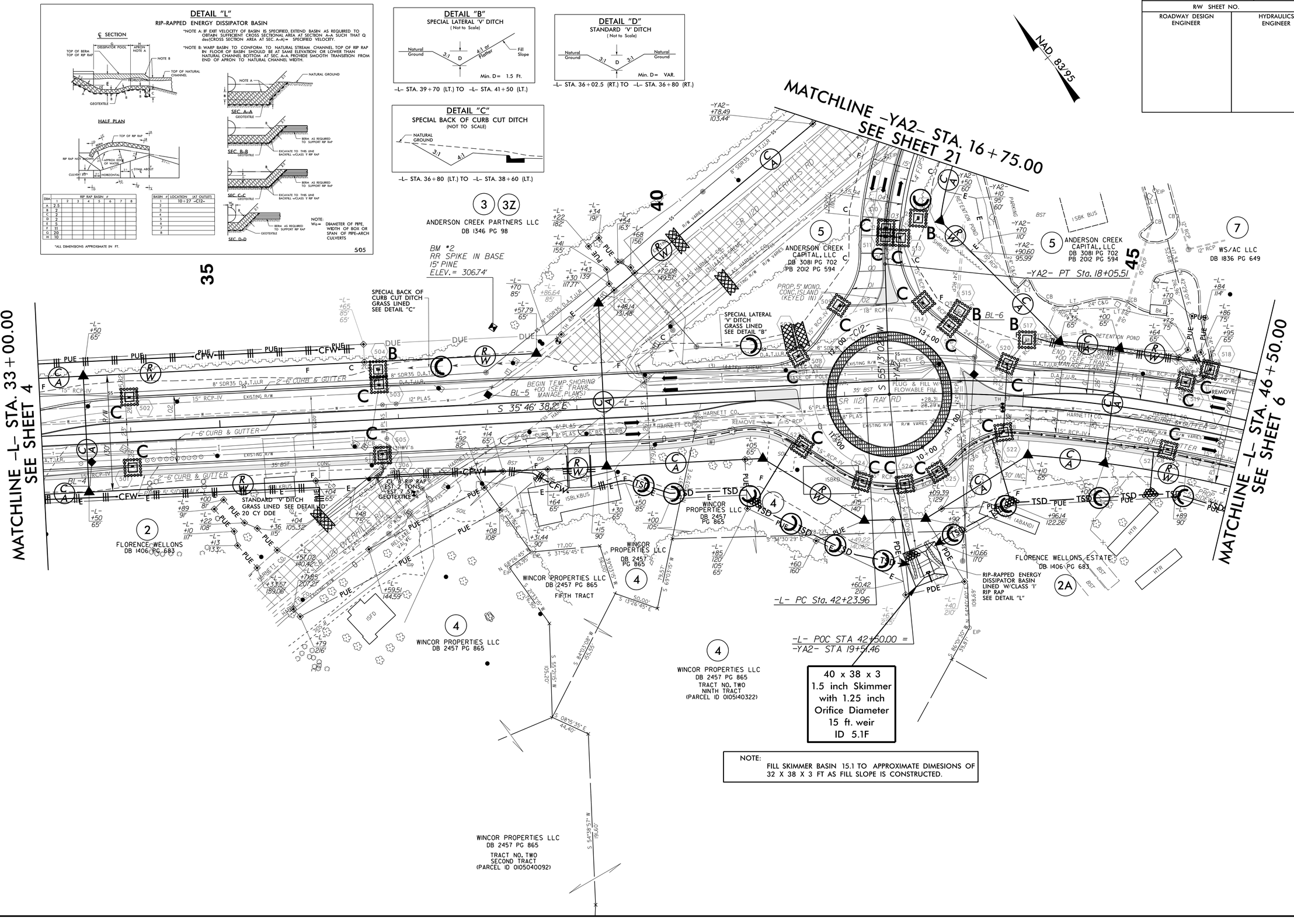
-L- STA. 36+02.5 (RT.) TO -L- STA. 36+80 (RT.)

DETAIL "C"

SPECIAL BACK OF CURB CUT DITCH

(NOT TO SCALE)

-L- STA. 36+80 (LT.) TO -L- STA. 38+60 (LT.)



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

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