PROJECT REFERENCE NO.	SHEET NO.
U-3465	5
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
10/8/2014
NORTH CAROLINA PROFESSIONAL SEAL 016378 ENGINEER REKHA V. PATEL
DocuSigned by: Rekha V. Patel

HYDRAULICS ENGINEER
10/9/2014
NORTH CAROLINA PROFESSIONAL SEAL 020870 ENGINEER MARC T. SHOWER
DocuSigned by: Marc Shower

REVISIONS

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) 10+27 -C12-
1	
2	
3	
4	
5	
6	
7	
8	

5/05

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

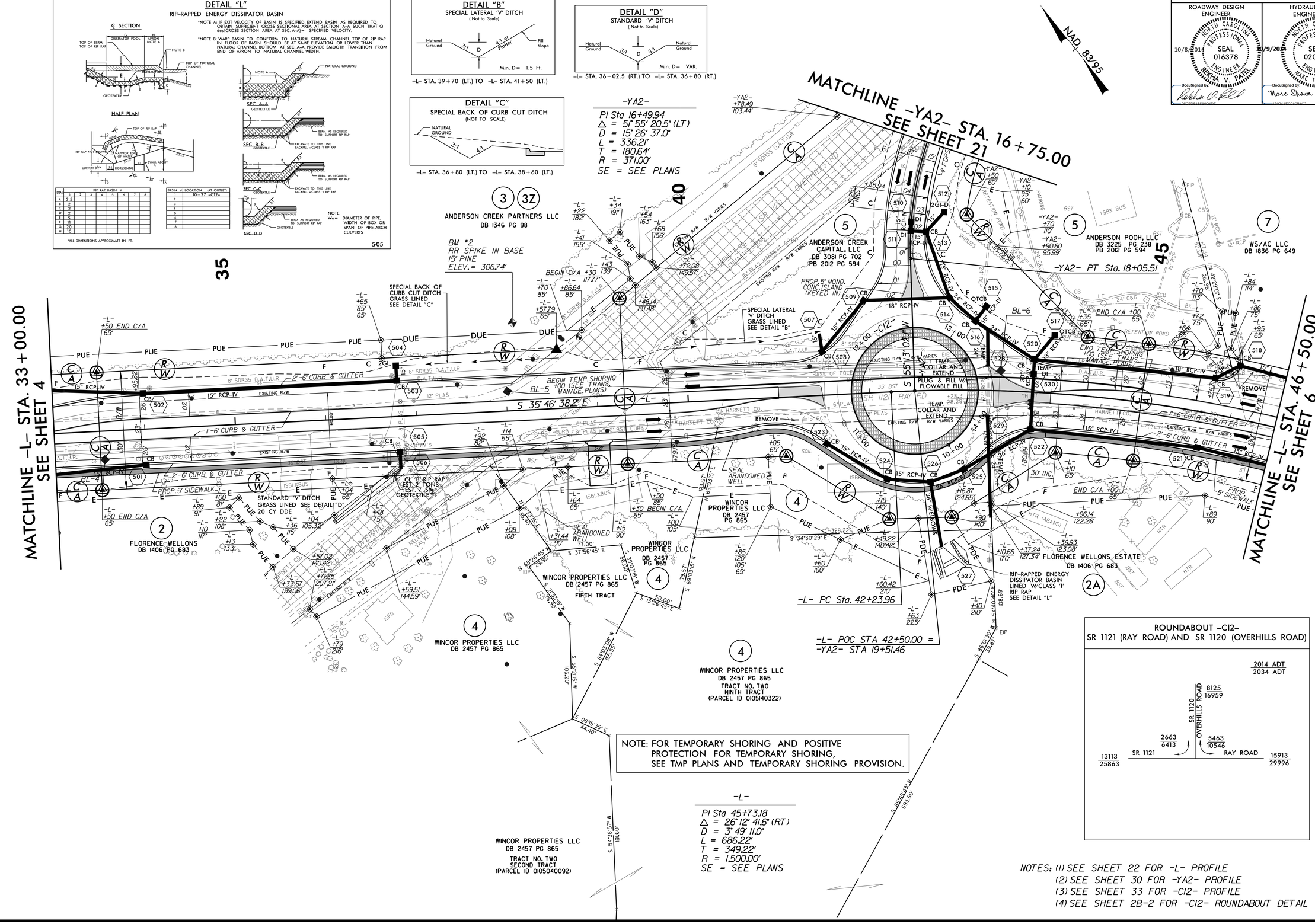
-L- STA. 39+70 (LT.) TO -L- STA. 41+50 (LT.)

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.)



NOTES: (1) SEE SHEET 22 FOR -L- PROFILE
(2) SEE SHEET 30 FOR -YA2- PROFILE
(3) SEE SHEET 33 FOR -CI2- PROFILE
(4) SEE SHEET 2B-2 FOR -CI2- ROUNDABOUT DETAIL

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