PROJECT REFERENCE NO.	SHEET NO.
U-3465	9
R/W SHEET NO.	

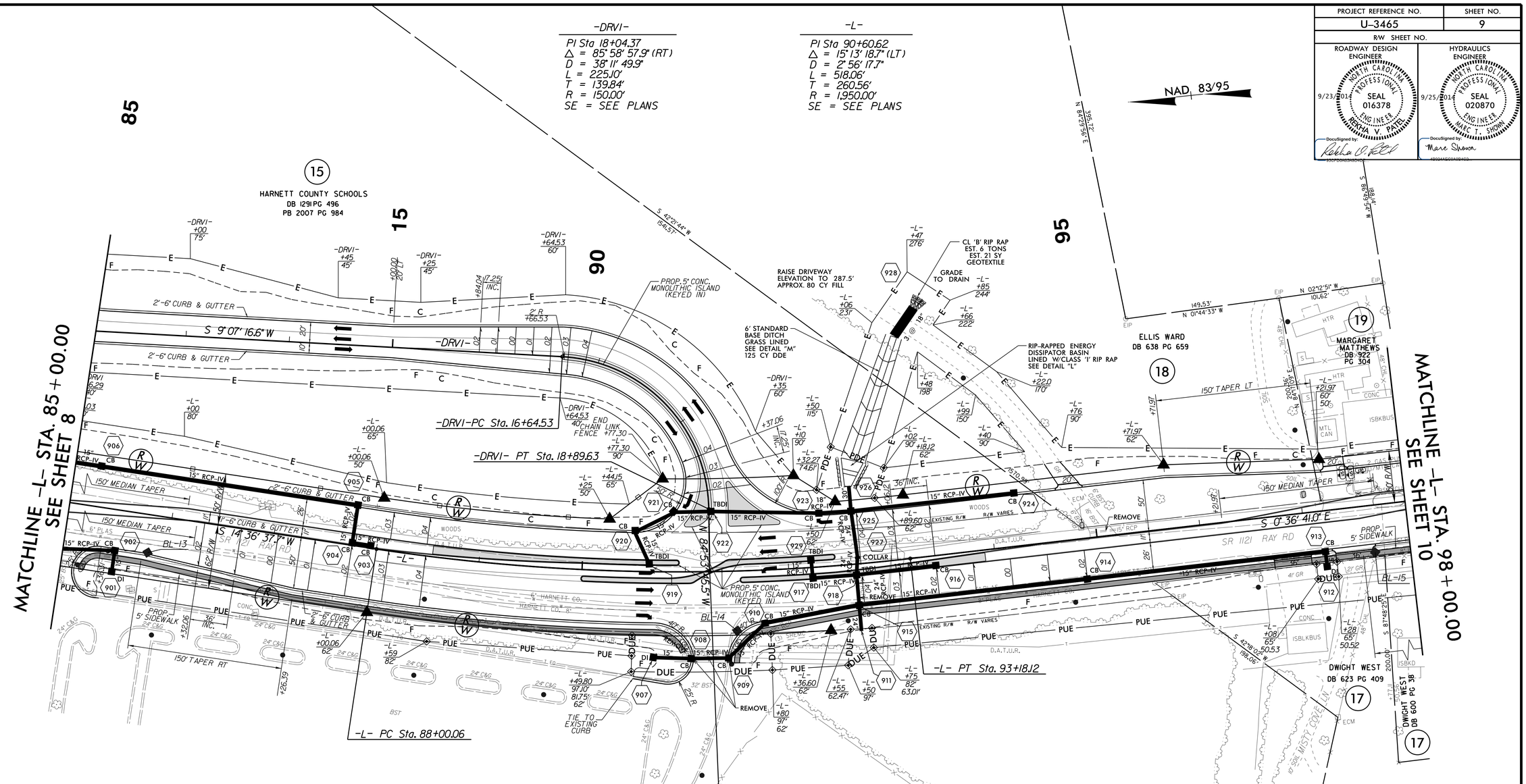
ROADWAY DESIGN ENGINEER
9/23/2014 SEAL 016378 NORTH CAROLINA PROFESSIONAL ENGINEER RAKHA V. PATEL
DocuSigned by: Rakha V. Patel

HYDRAULICS ENGINEER
9/25/2014 SEAL 020870 NORTH CAROLINA PROFESSIONAL ENGINEER MARC T. SHOWN
DocuSigned by: Marc Shown

-DRVI-
PI Sta 18+04.37
Δ = 85° 58' 57.9" (RT)
D = 38° 11' 49.9"
L = 225.10'
T = 139.84'
R = 150.00'
SE = SEE PLANS

-L-
PI Sta 90+60.62
Δ = 15° 13' 18.7" (LT)
D = 2° 56' 17.7"
L = 518.06'
T = 260.56'
R = 1,950.00'
SE = SEE PLANS

NAD 83/95

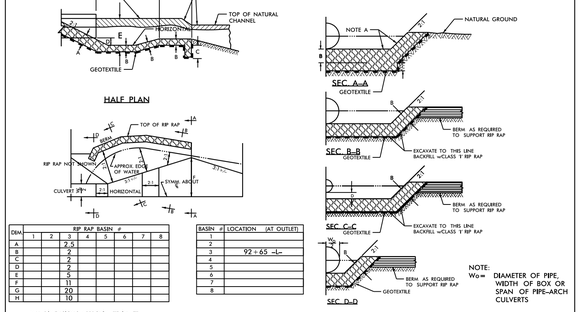


DETAIL "L"

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			2.5					
F			11					
G			20					
H			10					

*ALL DIMENSIONS APPROXIMATE IN FT.

BASIN #	LOCATION (AT OUTLET)
1	
2	
3	92+65 -L-
4	
5	
6	
7	
8	

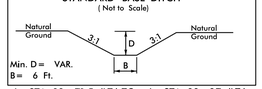
NOTE: Wu = DIAMETER OF PIPE, WIDTH OF BOX OR SPAN OF PIPE-ARCH CULVERTS

505

HARNETT COUNTY SCHOOLS
DB 1291 PG 496
PB 2002 PG 465
15

DETAIL "M"

STANDARD BASE DITCH
(Not to Scale)

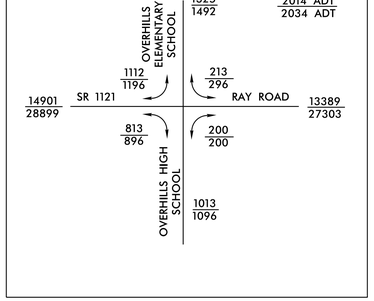


Min. D = VAR.
B = 6 Ft.

-L- STA. 92+71.5 (LT.) TO -L- STA. 93+27 (LT.)

NOTE: SEE PAVEMENT MARKING PLANS FOR ACTUAL LOCATIONS OF CURB RAMPS.

SR 1121 (RAY ROAD), OVERHILLS HIGH SCHOOL AND OVERHILLS ELEMENTARY SCHOOL



NOTES: (1) SEE SHEET 24 FOR -L- PROFILE
(2) SEE SHEET 34 FOR -DRVI- PROFILE
(3) SEE SHEET 2B-5 FOR INTERSECTION DETAIL

REVISIONS

22-SEP-2014 08:34
R:\Roadway\Proj\3465_rdy_psh9.dgn
$$$$USERNAME$$$$