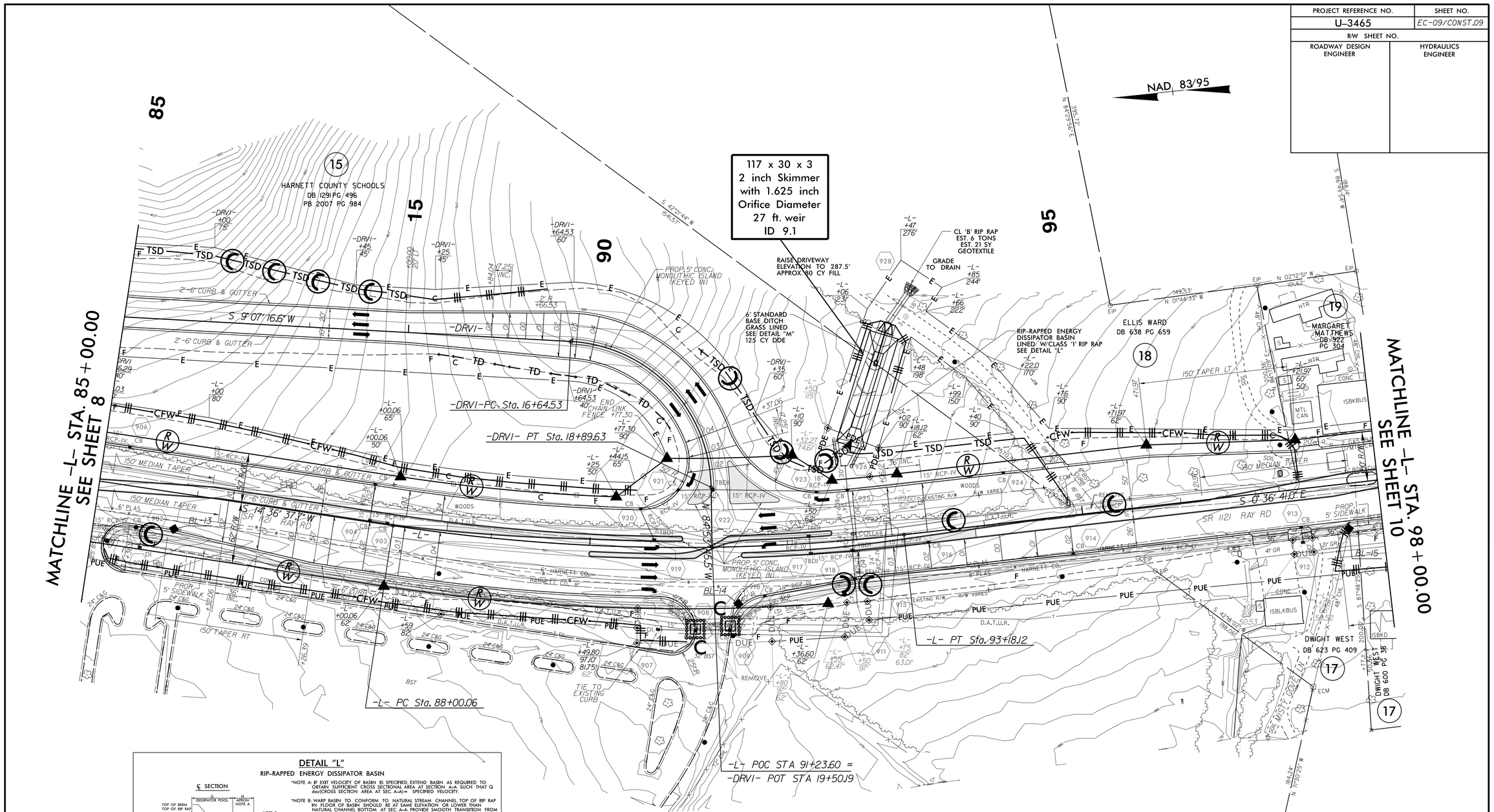
PROJECT REFERENCE NO.	SHEET NO.
U-3465	EC-09/CONST.09
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

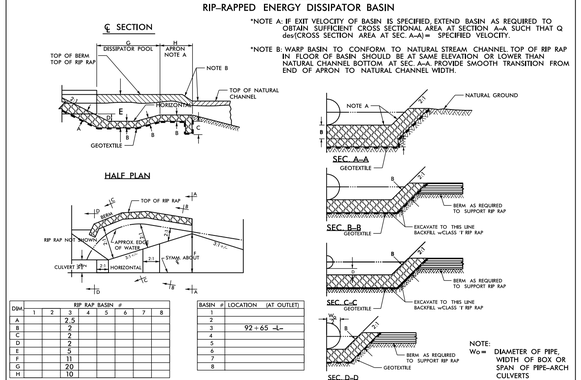


DETAIL "L"

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	
2	
3	92+65 -L-
4	
5	
6	
7	
8	

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

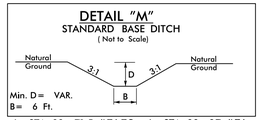
505

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.)

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9

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

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pcopeland