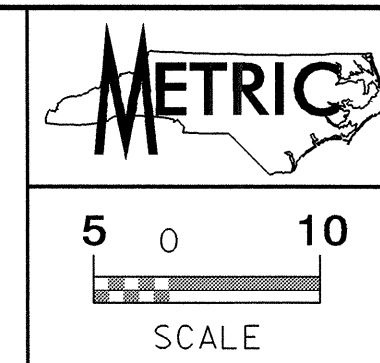
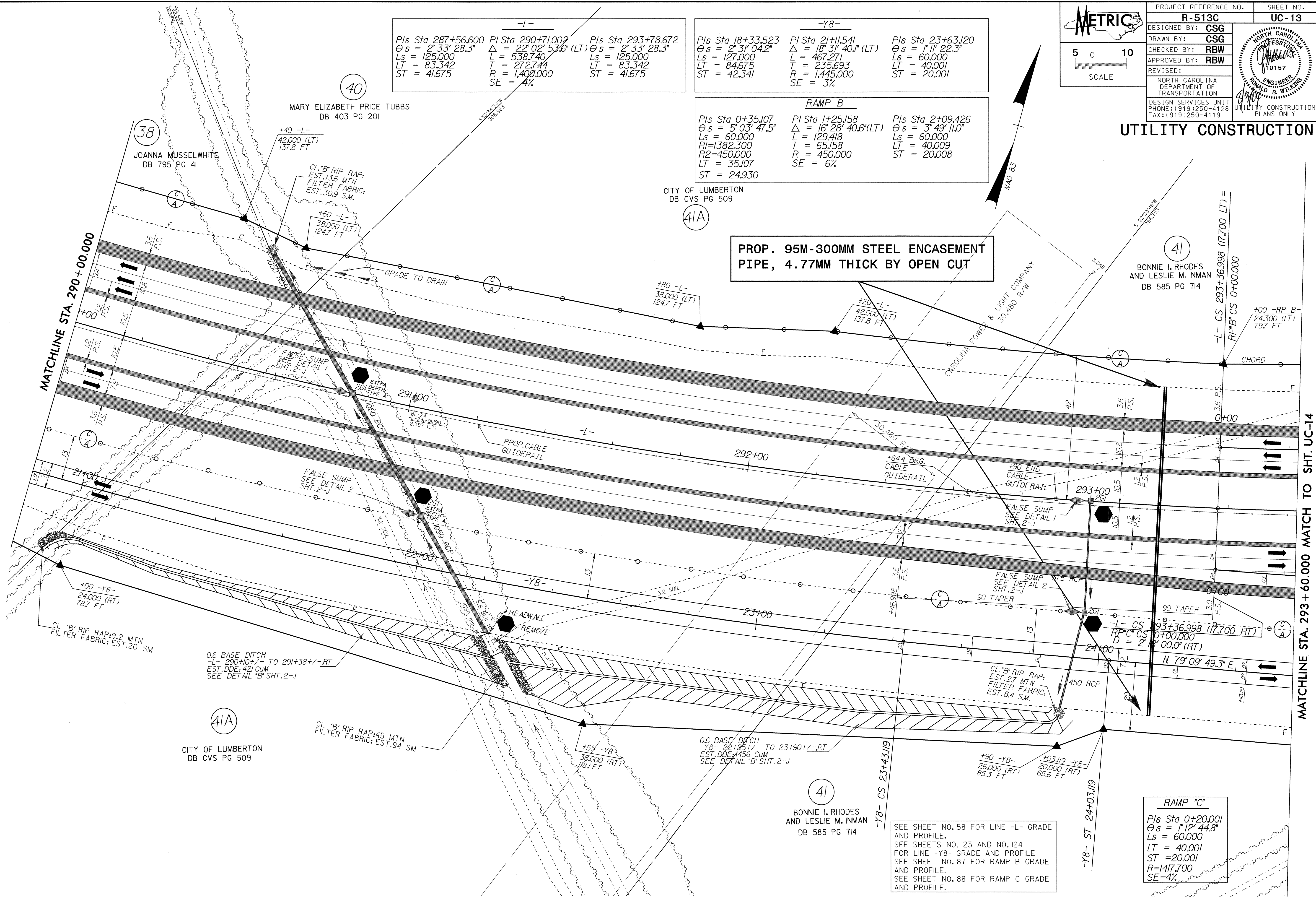




PROJECT REFERENCE NO.	SHEET NO.
R-513C	UC-13
DESIGNED BY: CSG	
DRAWN BY: CSG	
CHECKED BY: RBW	
APPROVED BY: RBW	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
DESIGN SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION



-L-
 Pls Sta 287+56.600 $\theta s = 2'33''28.3''$
 $Ls = 125.000$
 $LT = 83.342$
 $ST = 41.675$
 Pls Sta 290+71.002 $\Delta = 22'02''53.6''$ (LT)
 $L = 538.740$
 $T = 272.744$
 $R = 1,400.000$
 $SE = 4\%$
 Pls Sta 293+78.672 $\theta s = 2'33''28.3''$
 $Ls = 125.000$
 $LT = 83.342$
 $ST = 41.675$

-Y8-
 Pls Sta 18+33.523 $\theta s = 2'31''04.2''$
 $Ls = 127.000$
 $LT = 84.675$
 $ST = 42.341$
 Pls Sta 21+11.541 $\Delta = 18'31''40.1''$ (LT)
 $L = 467.271$
 $T = 235.693$
 $R = 1,445.000$
 $SE = 3\%$
 Pls Sta 23+63.120 $\theta s = 1'11''22.3''$
 $Ls = 60.000$
 $LT = 40.001$
 $ST = 20.001$

RAMP B
 Pls Sta 0+35.107 $\theta s = 5'03''47.5''$
 $Ls = 60.000$
 $R1=1382.300$
 $R2=450.000$
 $LT = 35.107$
 $ST = 24.930$
 Pls Sta 1+25.158 $\Delta = 16'28''40.6''$ (LT)
 $L = 129.418$
 $T = 65.158$
 $R = 450.000$
 $SE = 6\%$
 Pls Sta 2+09.426 $\theta s = 3'49''11.0''$
 $Ls = 60.000$
 $LT = 40.009$
 $ST = 20.008$