



PROJECT REFERENCE NO. R-513C SHEET NO. UC-23

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

UNIVERSITY OF NORTH CAROLINA
 PROFESSIONAL ENGINEER
 10157
 WILSON
 ENGINEER
 WORLD B. WILSON
 UTILITY CONSTRUCTION
 PLANS ONLY

PROP. 43M-300MM PVC WATER PIPE, SDR 21, 1.38 MPA WP
 PROP. 2 300MM 45° DI BENDS
 SEE DETAIL 'D' SHT. 2-J

47
 K. M. BIGGS, INC.
 DB 644 PG 162
 DB 644 PG 160
 DB 17H PG 013

PROP. 33M-FILL OR REMOVE ABANDONED 300MM PVC PIPE, (PVC WATER)

PROP. 90M-600MM STEEL ENCASEMENT PIPE, 6.35MM THICK, BY OPEN CUT

MATCHLINE STA. 322 + 40.000 MATCH TO SHT. UC-21

MATCHLINE STA. 326 + 00.000

-Y8-		-Y8-	
PI Sta 53+40.471	PI Sta 54+70.705	PI Sta 55+98.826	PI Sta 59+30.577
$\theta_s = 3^\circ 26' 15.9"$	$\Delta = 24^\circ 52' 03.3" (RT)$	$\theta_s = 3^\circ 41' 07.5"$	$\Delta = 4^\circ 50' 12.4" (RT)$
$L_s = 60.000$	$L = 217.011$	$L_s = 60.000$	$L = 585.859$
$LT = 40.008$	$T = 110.241$	$RI = 6940.000$	$T = 293.103$
$ST = 20.007$	$R = 500.000$	$R2 = 500.000$	$R = 6,940.000$
	$SE = 6\%$	$LT = 38.665$	$SE = N.C.$
		$ST = 21.352$	

DENOTES REMOVAL OF EXIST. PAVEMENT

SEE SHEET NO. 65 FOR -L- RT LN & -L- LT LN GRADES AND PROFILES.
 SEE SHEET NO. 128 FOR LINE -Y8- GRADE AND PROFILE.
 SEE SHEET NO. 131 FOR LINE -Y8C- GRADE AND PROFILE.