
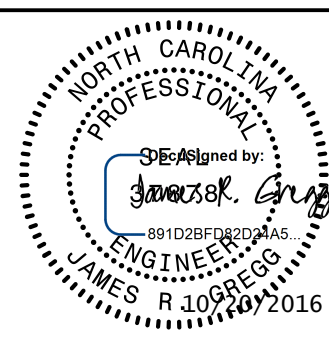


PREPARED IN THE OFFICE OF:



**THE WOOTEN COMPANY**  
ENGINEERING | PLANNING | ARCHITECTURE  
120 North Siler Avenue Raleigh, NC 27603-1423  
919.878.0311 fax 919.878.0369  
License Number: F-0115

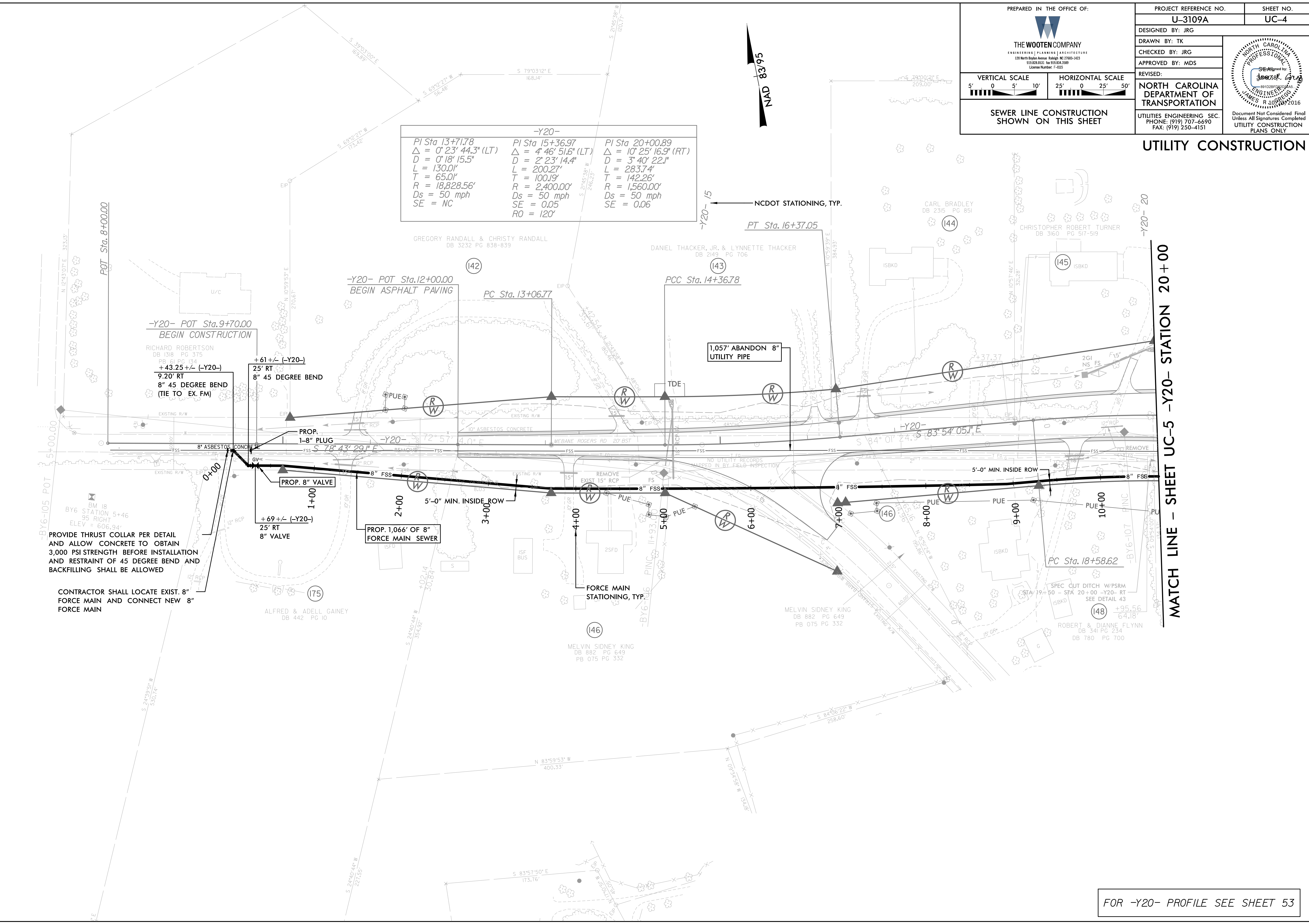
PROJECT REFERENCE NO. <b>U-3109A</b>	SHEET NO. <b>UC-4</b>
DRAWN BY: JRG	
CHECKED BY: JRG	
APPROVED BY: MDS	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	



Document Not Considered Final  
Unless All Signatures Completed  
UTILITY CONSTRUCTION PLANS ONLY

**UTILITY CONSTRUCTION**

-Y20-		
PI Sta 13+71.78 Δ = 0° 23' 44.3" (LT) D = 0' 18' 15.5" L = 130.0' T = 65.0' R = 18,828.56' Ds = 50 mph SE = NC	PI Sta 15+36.97 Δ = 4° 46' 51.6" (LT) D = 2' 23' 14.4" L = 200.27' T = 100.19' R = 2,400.00' Ds = 50 mph SE = 0.05 RO = 120'	PI Sta 20+00.89 Δ = 10° 25' 16.9" (RT) D = 3' 40' 22.1" L = 283.74' T = 142.26' R = 1,560.00' Ds = 50 mph SE = 0.06



MATCH LINE - SHEET UC-5 -Y20- STATION 20+00

PROVIDE THRUST COLLAR PER DETAIL AND ALLOW CONCRETE TO OBTAIN 3,000 PSI STRENGTH BEFORE INSTALLATION AND RESTRAINT OF 45 DEGREE BEND AND BACKFILLING SHALL BE ALLOWED

CONTRACTOR SHALL LOCATE EXIST. 8" FORCE MAIN AND CONNECT NEW 8" FORCE MAIN

FOR -Y20- PROFILE SEE SHEET 53