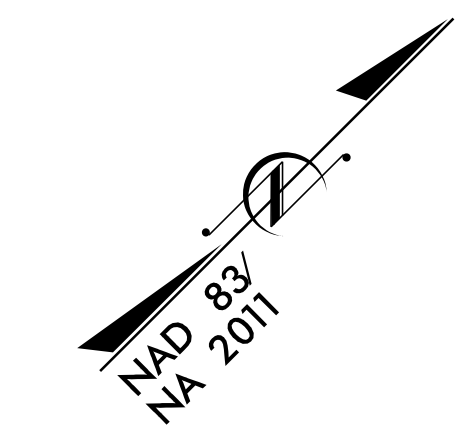


PROJECT REFERENCE NO. <b>R-4705</b>		SHEET NO. <b>UC-48</b>	
DESIGNED BY: <b>SLK</b>		4/22/2022	
DRAWN BY: <b>SLK</b>			
CHECKED BY: <b>AMM</b>			
APPROVED BY: <b>AMM</b>			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F-0377 Bus: 919 851 8077 Fax: 919 851 8107	
		TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION	

UTILITY CONSTRUCTION PLANS

FINAL DESIGN  
RELEASE  
FOR CONSTRUCTION



53 LF 22" ENCASUREMENT PIPE (0.250" THICK)

53 LF BORE AND JACK OF 22"

CONTRACTOR TO PROVIDE COUPLINGS TO CONNECT 6" C900 DR18 PC150 PVC TO 8" DR 9 (DIPS) HDPE (TYP)

BEGIN DIRECTIONAL DRILL

NOTE: PARCEL 186 PROPOSED DIRECTIONAL DRILL FORCE MAIN SANITARY SEWER UNDER EXISTING SEPTIC LINES

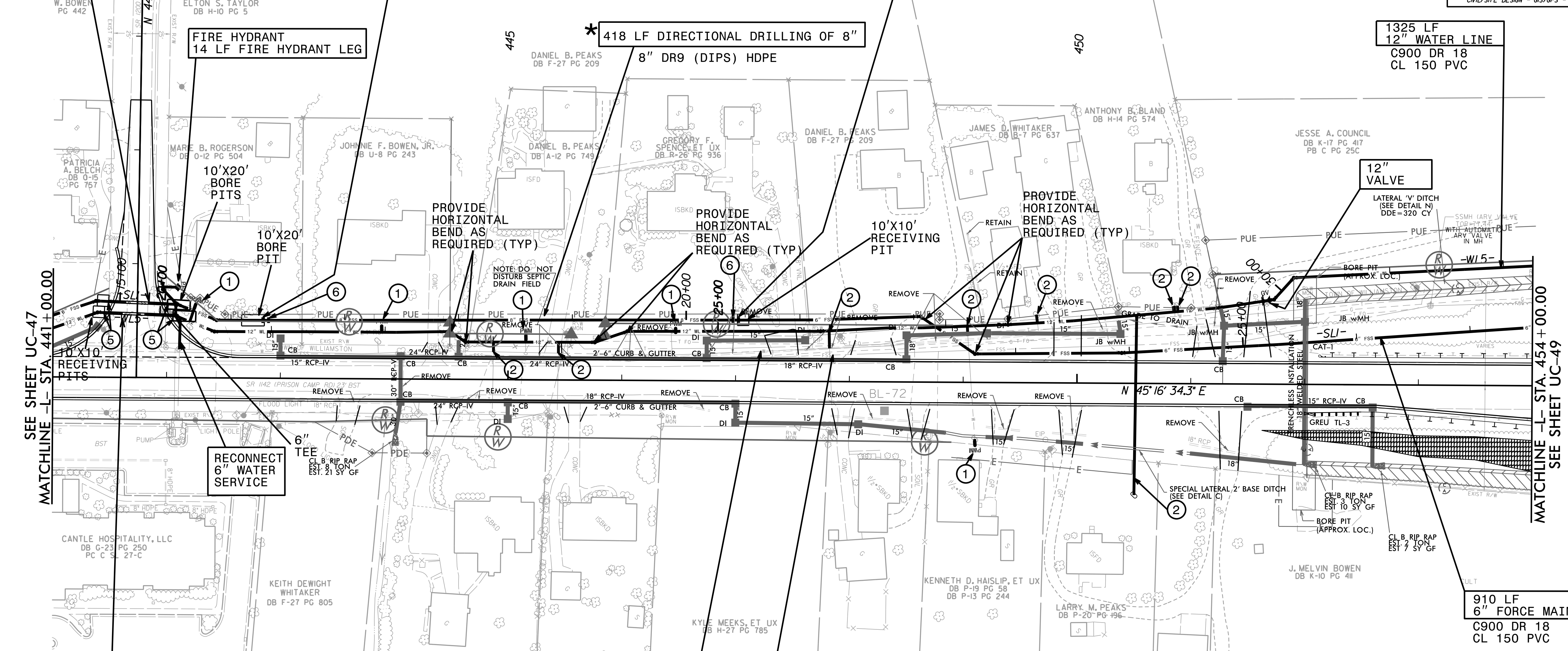
CONTRACTOR TO PROVIDE COUPLINGS TO CONNECT 6" C900 DR18 PC150 PVC TO 8" DR 9 (DIPS) HDPE (TYP)

END DIRECTIONAL DRILL

FIRE HYDRANT  
14 LF FIRE HYDRANT LEG

418 LF DIRECTIONAL DRILLING OF 8"  
8" DR9 (DIPS) HDPE

1325 LF  
12" WATER LINE  
C900 DR 18  
CL 150 PVC



SEE SHEET UC-47  
MATCHLINE -L- STA 441+00.00

MATCHLINE -L- STA 454+00.00  
SEE SHEET UC-49

RECONNECT  
6" WATER SERVICE

ABANDON 1304 LF  
12" UTILITY PIPE

ABANDON 1304 LF  
6" UTILITY PIPE

910 LF  
6" FORCE MAIN SEWER  
C900 DR 18  
CL 150 PVC

251 LF  
3/4" WATER SERVICE LINE

31 LF  
6" WATER SERVICE LINE

2,875 LBS. DUCTILE IRON  
WATER PIPE FITTINGS

450 LBS. DUCTILE IRON  
SEWER PIPE FITTINGS

SEE SHEET UC-55 FOR -WL5- PROFILE

SEE SHEET UC-59 FOR -SLI- PROFILE

THRUST BLOCKING  
IS REQUIRED  
(SEE DETAIL WL-M-4)

KEY NOTES:

- ① PROPOSED 3/4" WATER METER
- ② 3/4" WATER SERVICE LINE
- ③ PROPOSED SANITARY SEWER CLEAN-OUT
- ④ SEWER SERVICE LINE
- ⑤ SEE PIPE CONNECTION DETAIL FROM RJ DIP TO PVC PIPE DETAILS SHOWN ON SHEET 40-C.
- ⑥ SEE CONCRETE THRUST COLLAR AND TRANSITION DETAIL FROM HDPE TO DI/PVC PIPE DETAILS SHOWN ON SHEET 40-D.

\* NOTE: PRIOR TO COMMENCING WORK ON ANY TRENCHLESS INSTALLATION, PROVIDE A DESIGN FOR THE TRENCHLESS INSTALLATION CERTIFIED BY AN ENGINEER LICENSED BY THE STATE OF NORTH CAROLINA, AS REQUIRED BY SUBARTICLE 1550-3(B) OF THE STANDARD SPECIFICATIONS.

61 LF 22" ENCASUREMENT PIPE (0.250" THICK)

61 LF BORE AND JACK OF 22"

REVISIONS

4/21/2022  
UC-48.dwg  
UC-48.dwg