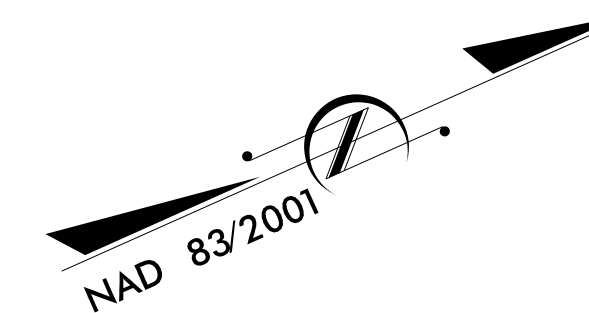


PROJECT REFERENCE NO. B-5703	SHEET NO. UC-4
DESIGNED BY: MM	
DRAWN BY: AP	
CHECKED BY: MM	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

TIE-IN CONSTRUCTION SEQUENCE

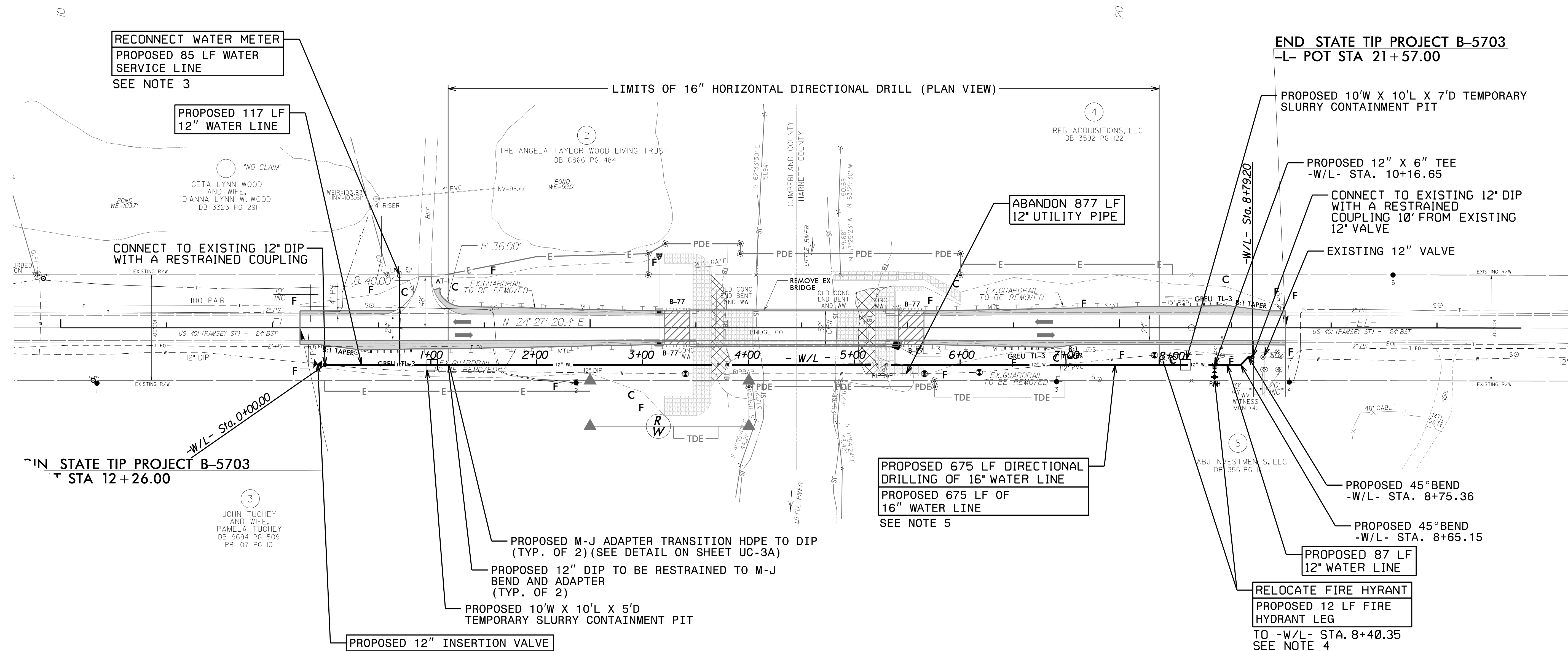
1. PERFORM HORIZONTAL DIRECTIONAL DRILLING (HDD) CONSTRUCTION AS SHOWN. ALLOW HDPE TO SIT FOR 7 DAYS FOLLOWING HDD CONSTRUCTION.
2. BEGIN OPEN CUT CONSTRUCTION NEAR END OF HDD, AND CONNECT WITH HDPE PIPING AS SHOWN.
3. INSTALL INSERTION VALVE ON SOUTH END OF PROJECT WHERE SHOWN. COORDINATE WITH HARNETT REGIONAL WATER TO CLOSE INSERTION VALVE (SOUTH END) AND VALVE(S) AT METER BOX (NORTH END), TO ISOLATE WATER LINE CONNECTION POINTS.
4. MAKE FINAL CONNECTIONS TO EXISTING DI PIPING AS SHOWN.

NOTE:
PRIOR TO COMMENCING ANY WORK ON ANY TRENCHLESS INSTALLATION ON THIS PROJECT, 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.



UTILITY CONSTRUCTION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

NOTE: THIS SHEET CORRESPONDS WITH SHEET RDY-4 OF THE ROADWAY PLANS.



NOTES:

1. APPROXIMATE COORDINATES OF HDD PIPE ENTRY ARE N550255.4377, E2066491.1753.
2. APPROXIMATE COORDINATES OF HDD PIPE EXIT ARE N550894.0550, E2066780.7555.
3. INSTALL 1" SERVICE LINE IN SLEEVE (SEE SHEET UC-3B). CONTRACTOR SHALL INSTALL A TEMPORARY SERVICE LINE FOR THE EXISTING CUSTOMER DURING CONSTRUCTION. THE TEMPORARY SERVICE SHALL REMAIN IN PLACE UNTIL PIPE TESTING HAS PASSED. ENGINEER CERTIFIES THE MAIN AS-BUILTS ARE PROVIDED AND NCDEQ ISSUES FINAL APPROVAL.
4. FIRE HYDRANTS ARE INSTALLED AT CERTAIN ELEVATIONS. ANY GRADE CHANGE IN THE VICINITY OF ANY FIRE HYDRANT WHICH IMPEDES ITS OPERATION SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE PROPOSED HDPE PIPE SHALL BE DR9 16" (NOMINAL). THIS PIPE HAS AN OUTSIDE DAIMETER OF 17.4".



PROPOSED 1,365 POUNDS OF DUCTILE IRON WATER PIPE FITTINGS

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 USER:MM