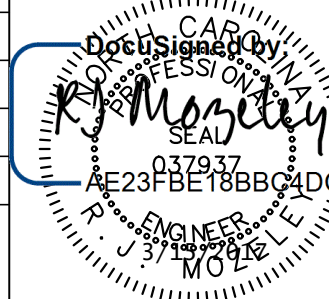


5/14/99

NOTE:  
ALL LOCATIONS WHERE PROPOSED WATER LINE CROSSES DRAINAGE SYSTEMS SHALL PROVIDE MINIMUM OF 24" VERTICAL CLEARANCE

DOCUMENT NOT CONSIDERED FINAL  
UNTIL ALL SIGNATURES COMPLETE

PROJECT REFERENCE NO. R-3100B	SHEET NO. UC-6
DESIGNED BY: RJM	
DRAWN BY: RAB	
CHECKED BY: DGC	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION

Prepared by



1240 19th STREET, LANE NW HICKORY, NC 28601 PH. (828) 328-2024 FIRM LICENSE # C-0459

PROPOSED 30 L.F. OF TRENCHLESS INSTALLATION OF 20" IN SOIL  
 PROPOSED 30 L.F. OF TRENCHLESS INSTALLATION OF 20" NOT IN SOIL  
 PROPOSED 60 L.F. OF 20" ENCASEMENT PIPE STEEL CASING 0.25" WALL THICKNESS INSTALLED BY BORING AND JACKING, WITH 12" RESTRAINED JOINT DIP CARRIER PIPE

PROPOSED 1550 L.F. OF 12" WATER LINE D.I.

PROPOSED CUT AND CONNECT TO EXISTING 8" WATER LINE

PROPOSED 30 L.F. OF TRENCHLESS INSTALLATION OF 20" IN SOIL  
 PROPOSED 30 L.F. OF TRENCHLESS INSTALLATION OF 20" NOT IN SOIL  
 PROPOSED 60 L.F. OF 20" ENCASEMENT PIPE STEEL CASING 0.25" WALL THICKNESS INSTALLED BY BORING AND JACKING, WITH 12" RESTRAINED JOINT DIP CARRIER PIPE

PROPOSED 12" DUCTILE IRON WATER LINE

STA. 38+77.41  
 PROPOSED (2) 12" VALVES,  
 12"x12"x12" RESTRAINED JOINT TEE,  
 PROPOSED 50 L.F. OF 12" WATER LINE STUB-OUT,  
 12" RESTRAINED JOINT CAP RODDED TO CONCRETE DEADMAN.  
 -L- STA. 44+23.69  
 OFFSET: 196.89' (L)

PROPOSED (1) FIRE HYDRANT  
 -L- STA. 42+83.62  
 OFFSET: 139.26' (L)  
 STA. 37+22.22  
 12"x12"x6" TEE, 6" GATE VALVE & BOX, FIRE HYDRANT

PROPOSED 12" DEAD END ASSEMBLY

PROPOSED (1) 12" VALVE

PROPOSED (1) 12" CAP RODDED TO CONCRETE DEADMAN

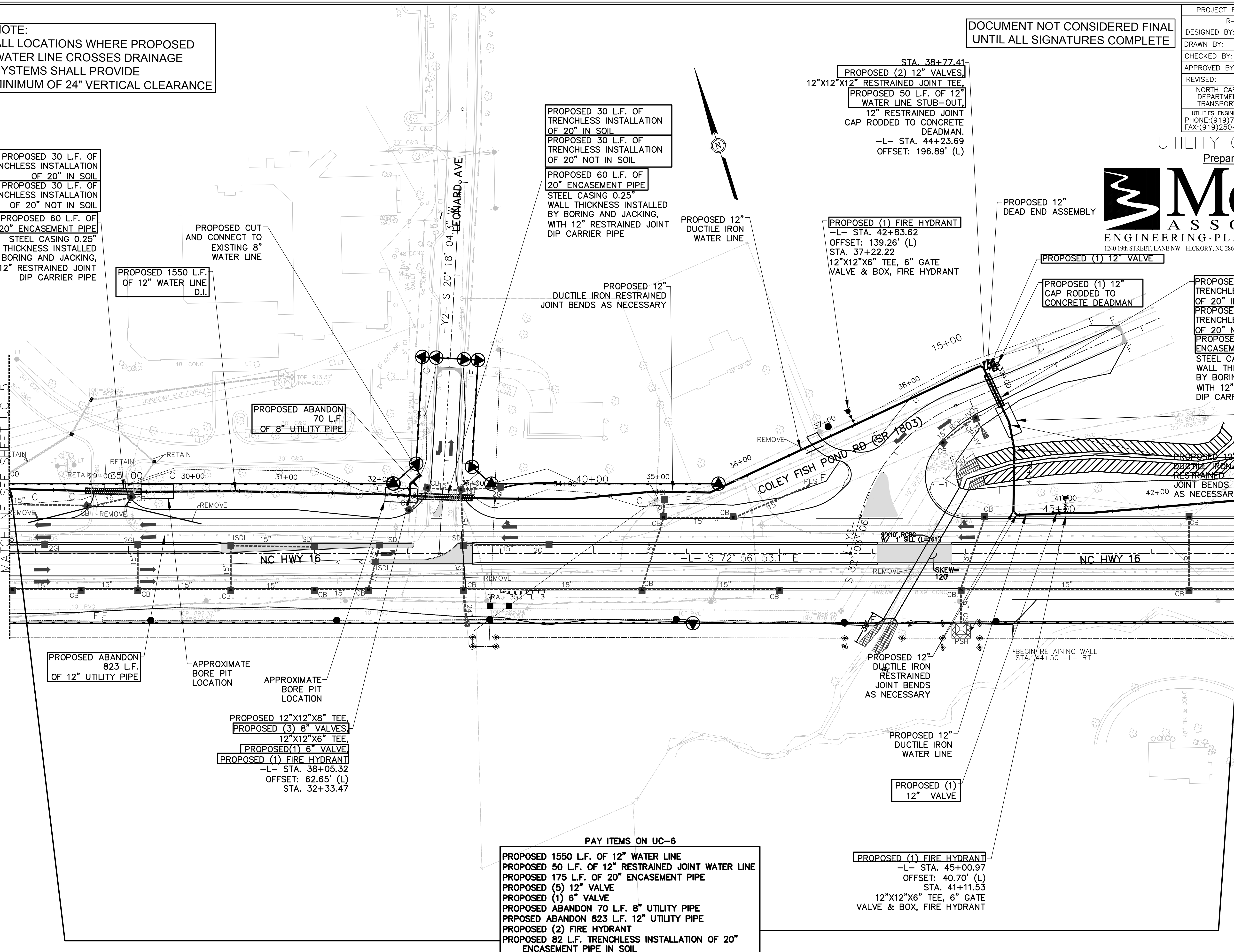
PROPOSED 22 L.F. OF TRENCHLESS INSTALLATION OF 20" IN SOIL  
 PROPOSED 23 L.F. OF TRENCHLESS INSTALLATION OF 20" NOT IN SOIL  
 PROPOSED 55 L.F. OF 20" ENCASEMENT PIPE STEEL CASING 0.25" WALL THICKNESS INSTALLED BY BORING AND JACKING, WITH 12" RESTRAINED JOINT DIP CARRIER PIPE

APPROXIMATE BORE PIT LOCATION

PROPOSED ABANDON 70 L.F. OF 8" UTILITY PIPE

WATER MATCHLINE STA. 28+00  
-L- MATCHLINE STA. 33+74  
MATCHLINE SEE SHEET UC-5

WATER MATCHLINE STA. 43+00  
-L- MATCHLINE STA. 47+06  
MATCHLINE SEE SHEET UC-7



PROPOSED ABANDON 823 L.F. OF 12" UTILITY PIPE

APPROXIMATE BORE PIT LOCATION

APPROXIMATE BORE PIT LOCATION

PROPOSED 12"x12"x8" TEE,  
 PROPOSED (3) 8" VALVES,  
 12"x12"x6" TEE,  
 PROPOSED (1) 6" VALVE,  
 PROPOSED (1) FIRE HYDRANT  
 -L- STA. 38+05.32  
 OFFSET: 62.65' (L)  
 STA. 32+33.47

PAY ITEMS ON UC-6

PROPOSED 1550 L.F. OF 12" WATER LINE  
 PROPOSED 50 L.F. OF 12" RESTRAINED JOINT WATER LINE  
 PROPOSED 175 L.F. OF 20" ENCASEMENT PIPE  
 PROPOSED (5) 12" VALVE  
 PROPOSED (1) 6" VALVE  
 PROPOSED ABANDON 70 L.F. 8" UTILITY PIPE  
 PROPOSED ABANDON 823 L.F. 12" UTILITY PIPE  
 PROPOSED (2) FIRE HYDRANT  
 PROPOSED 82 L.F. TRENCHLESS INSTALLATION OF 20" ENCASEMENT PIPE IN SOIL  
 PROPOSED 83 L.F. TRENCHLESS INSTALLATION OF 20" ENCASEMENT PIPE NOT IN SOIL

PROPOSED (1) FIRE HYDRANT  
 -L- STA. 45+00.97  
 OFFSET: 40.70' (L)  
 STA. 41+11.53  
 12"x12"x6" TEE, 6" GATE VALVE & BOX, FIRE HYDRANT

PROPOSED (1) 12" VALVE

PROPOSED 12" DUCTILE IRON WATER LINE

PROPOSED 12" DUCTILE IRON RESTRAINED JOINT BENDS AS NECESSARY

BEGIN RETAINING WALL STA. 44+50 -L- RT

PROPOSED 12" RESTRAINED JOINT BENDS AS NECESSARY

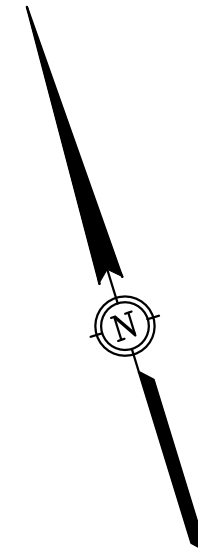
COLEY FISH POND RD (SR 1803)

-L- S 72° 56' 53.1" E

NC HWY 16

NC HWY 16

LEONARD AVE



UNDESIGNED SYSTEMS