PROJECT REFERENCE NO.	SHEET NO.
R-2707C	UC-11
DESIGNED BY: VW	
DRAWN BY: VW	
CHECKED BY: MJW	
APPROVED BY: MJW	
REVISED: 1/26/17	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151	UTILITY CONSTRUCTION PLANS ONLY

SEAL 19950 1/30/2017 ENGINEER MICHAEL J. WALKER

McGill ASSOCIATES ENGINEERING·PLANNING·FINANCE

UTILITY CONSTRUCTION

NOTE: ALL ENCASEMENTS INSTALLED FOR CITY OF SHELBY FUTURE USE SHALL INSTALLED WITH MIN. 5'0" COVER FROM FINAL GRADE AND BE SEALED AFTER INSTALLATION PER DETAILS

WATER LINE ON THIS SHEET ARE OWNED BY CLEVELAND COUNTY WATER.
SEWER FORCE MAIN AND EMPTY ENCASEMENTS FOR FUTURE USE ARE OWNED BY THE CITY OF SHELBY.

PROP
40 LF 20" ENCASEMENT PIPE
INSTALLED BY OPEN CUT FOR CITY OF SHELBY FUTURE USE AT STA. 13+00 -Y9RPB-

PROP
200 LF 20" ENCASEMENT PIPE
INSTALLED BY OPEN CUT FOR CITY OF SHELBY FUTURE USE CENTERED AT STA. 527+00 -Y-

PROP
1211 LF ABANDON 6" UTILITY PIPE

PROP 3
REMOVE WATER METER

PROP 3
REMOVE WATER METER

PROP 2
REMOVE WATER METER

PROP
885 LF 10" FORCE MAIN SEWER

-Y9LPB- ST 0+00.00
-L- POC 529+74.35
47.00' (LT)

-Y9LPB- SC 1+50.00

PROP
REMOVE FIRE HYDRANT

INSTALLED BY OPEN CUT W/ RESTRAINED JOINT PIPE CENTERED AT STA. 534+00 -Y- SEAL BOTH ENDS

PROP
150 LF 20" ENCASEMENT

PROP
GENERIC UTILITY ITEM
SEWAGE FORCE MAIN COMBINATION AIR VALVE INSTALLED AT ACTUAL HIGH POINT

PROP
80 LF 20" ENCASEMENT PIPE
INSTALLED BY OPEN CUT FOR CITY OF SHELBY FUTURE USE AT STA. 14+00 -Y9RPC- SEAL BOTH ENDS

-L- POC 529+82.97
-Y9DET- POT 17+34.67

-L- POC 531+34.35
-Y9- POT 24+07.99
Δ= 96°02' 34.8"

PROP
342 LF ABANDON 12" UTILITY PIPE

PROP
REMOVE WATER METER

PROP
ABANDON 6" UTILITY PIPE

-Y9- POT 28+45.00
-Y9RPC- POT 16+58.54
-Y9RPD- POT 18+61.18

PROP 2
REMOVE WATER METERS

PROP
746 LF ABANDON 10" UTILITY PIPE

PROP
100 LF 20" ENCASEMENT PIPE
INSTALLED BY OPEN CUT W/ RESTRAINED JOINT STA. 14+00 -Y9RPD- SEAL BOTH ENDS

PROP 2
REMOVE WATER METER

PROP
GENERIC UTILITY ITEM
10" PLUG VALVE

NOTE: PLUG EXISTING 2" WATER LINE AT EDGE OF RIGHT-OF-WAY.EXISTING 2" WATER IN RIGHT-OF-WAY TO BE ABANDONED.

PROP
GENERIC UTILITY ITEM
SEWAGE FORCE MAIN COMBINATION AIR VALVE INSTALLED AT ACTUAL HIGH POINT

PROP
2" BLOW OFF

-Y9RPD-
PT 14+60.36

CONSTRUCTION SEQUENCE FOR UC SHEETS 11,12,13 AND 14

1. THE EXISTING 6" WATER LINES SHALL BE PLUGGED AND ABANDONED IMMEDIATELY FOR WORK SPACE ON THE ROAD SHOULDER.
2. THE NEW 16" WATER LINE SHALL BE INSTALLED FIRST AND THE EXISTING 12" WATER LINE SHALL REMAIN IN SERVICE UNTIL THE NEW 16" WATER LINE HAS BEEN COMPLETED, TESTED AND ACCEPTED BY CLEVELAND COUNTY WATER AND THE WATER SERVICES TRANSFERRED.
3. THE EXISTING 10" SEWER FORCE MAIN SHALL REMAIN IN SERVICE UNTIL THE NEW 10" SEWER FORCE MAIN HAS BEEN INSTALLED, TESTED AND ACCEPTED BY THE CITY OF SHELBY .THE NEW 10" FORCE MAIN SHALL BE INSTALLED AFTER COMPLETION OF THE 16" WATER LINE AND MAY UTILIZE THE AREA PREVIOUSLY OCCUPIED BY 12" WATER LINE AS REQUIRED.
4. AFTER COMPLETION OF THE NEW FORCE MAIN, THE EXISTING FORCE MAIN SHALL BE ABANDONED.

NOTE:
THE ESTIMATED QUANTITY OF DUCTILE IRON WATER AND SEWER PIPE FITTINGS ON THIS PLAN SHEET IS 1240 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

5/14/99