

# UTILITY CONSTRUCTION

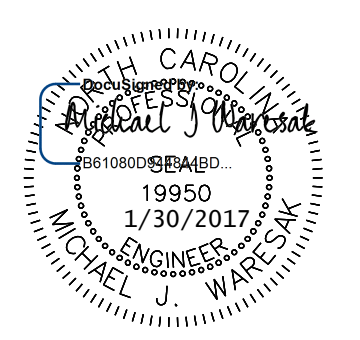
## GENERAL NOTES:

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2012.
2. THE EXISTING UTILITIES BELONG TO CLEVELAND COUNTY WATER DISTRICT AND CITY OF SHELBY AS NOTED ON THE PLANS .
3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER RESOURCES, PUBLIC WATER SUPPLY SECTION. ALL SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT QUALITY, DIVISION OF WATER RESOURCES, WATER QUALITY SECTION. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.
4. THE UTILITY OWNER OWNS THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT. THE DEPARTMENT OWNS THE CONSTRUCTION CONTRACT AND HAS ADMINISTRATIVE AUTHORITY. COMMUNICATIONS AND DECISIONS BETWEEN THE CONTRACTOR AND UTILITY OWNER ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNER AND CONTRACTOR FOR THE WORK THAT IS NOT PART OF THIS CONTRACT OR IS SECONDARY TO THIS CONTRACT ARE ALLOWED, BUT ARE NOT BINDING UPON THE DEPARTMENT.
5. PROVIDE ACCESS FOR THE DEPARTMENT PERSONNEL AND THE OWNER'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNER TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND ONE WEEK PRIOR TO SERVICE INTERRUPTION. KEEP UTILITY OWNERS' REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPORTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.

6. THE PLANS DEPICT THE BEST AVAILABLE INFORMATION FOR THE LOCATION, SIZE, AND TYPE OF MATERIAL FOR ALL EXISTING UTILITIES. MAKE INVESTIGATIONS FOR DETERMINING THE EXACT LOCATION, SIZE, AND TYPE MATERIAL OF THE EXISTING FACILITIES AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED UTILITIES AND FOR AVOIDING DAMAGE TO EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE DEPARTMENT.
7. MAKE FINAL CONNECTIONS OF THE NEW WORK TO THE EXISTING SYSTEM WHERE INDICATED ON THE PLANS, AS REQUIRED TO FIT THE ACTUAL CONDITIONS, OR AS DIRECTED.
8. MAKE CONNECTIONS BETWEEN EXISTING AND PROPOSED UTILITIES AT TIMES MOST CONVENIENT TO THE PUBLIC, WITHOUT ENDANGERING THE UTILITY SERVICE, AND IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. MAKE CONNECTIONS ON WEEKENDS, AT NIGHT, AND ON HOLIDAYS IF NECESSARY.
9. ALL UTILITY MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, " SUBMITTALS AND RECORDS" IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

## PROJECT SPECIFIC NOTES:

1. PROPOSED WATER LINE FOR CLEVELAND COUNTY WATER LINES SHALL BE CLASS 350 DUCTILE IRON PIPE.
2. PROPOSED WATER LINE FOR CITY OF SHELBY WATER AND FORCE MAINS SHALL BE CLASS 52 DUCTILE IRON PIPE.
3. PROPOSED WATER LINE LINES AND FORCE MAINS INSTALLED IN ENCASEMENTS AND ON CUT SLOPES SHALL BE DIRJ (DUCTILE IRON RESTRAINED JOINT).
4. ALL ENCASEMENTS INSTALLED FOR CLEVELAND COUNTY WATER AND THE CITY OF SHELBY SHALL BE INSTALLED BY OPEN CUT. ENCASEMENTS SHALL EXTEND APPROXIMATELY 5' BEYOND FILL SLOPES AND DITCH LINES.
5. ALL ENCASEMENTS INSTALLED FOR FUTURE USE BY THE CITY OF SHELBY SHALL BE INSTALLED WITH A MIN. OF 5' COVER FROM FINAL GRADES'
6. ALL CROSSINGS OF SEWER LINES AND WATER SHALL MAINTAIN 18" MIN. CLEARANCE BETWEEN WATER AND SEWER LINES, WITH THE SEWER LINE BELOW THE WATER LINE.
7. ALL UTILITIES SHALL BE INSTALLED SO THAT 3' MIN. COVER IS MAINTAINED FROM FINAL GRADE.
8. EXCEPT AS SHOWN, ALL WATER LINES AND FORCE MAIN SHALL BE INSTALLED 5' INSIDE R/W WHERE POSSIBLE.
9. ALL WATER METERS NOTED TO BE REMOVED FOR CCW SHALL HAVE METER REMOVED AND RETURNED TO CCW. METER BOX AND PIPING SHALL BE ABANDONED.
10. ALL FIRE HYDRANTS NOTED TO BE REMOVED FOR CCW SHALL HAVE THE FIRE HYDRANT REMOVED AND RETURNED TO CCW. VALVE AND PIPING SHALL BE ABANDONED.

PROJECT REFERENCE NO.	SHEET NO.
R-2707C	UC-3
DESIGNED BY: VW	
DRAWN BY: VW	
CHECKED BY: MJW	
APPROVED BY: MJW	
REVISED: 1/30/17	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	



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