

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 2018.

2. THE EXISTING WATER AND SEWER LINES BELONG TO THE TOWN OF WAYNESVILLE. THE CONTACT FOR THE TOWN IS:

JEFF STINES
PUBLIC SERVICES DIRECTOR
PH: 828-646-1281

CONTACTS FOR THE PROPOSED DUCT BANKS ARE:

POWER LINES DUCT BANK:

TOWN OF WAYNESVILLE
JEFF STINES
PH: 828-646-1281

COMMUNICATION LINES DUCT BANK:

CHARTER/SPECTRUM
BRIAN COOPER
PH: 864-545-4165

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DANNY LITTLE
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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.

UTILITY CONSTRUCTION

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.

10. ALL CONDUITS SHALL BE PVC, SCHEDULE 40, RIGID HEAVY WALL.

11. LATERAL SEPARATION OF SEWERS AND WATER MAINS. WATER MAINS SHALL BE LAID AT LEAST 10 FEET Laterally FROM EXISTING OR PROPOSED SEWERS, UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT A 10-FOOT LATERAL SEPARATION, IN WHICH CASE:

ALL WATER LINE THAT CROSS A SEWER LINE SHALL BE INSTALLED A MINIMUM OF 18" BELOW OR ABOVE THE SEWER LINE WITH THE PREFERENCE TO BE ABOVE THE SEWER LINE.

IF LOCAL CONDITIONS OR BARRIERS PREVENT AN 18" VERTICAL SEPARATION, CONSTRUCT BOTH THE WATER AND SEWER FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT CROSSING WITH FERROUS PIPE.

ALL OTHER UTILITIES THE WATER LINES SHALL MAINTAIN 12" OF SEPARATION

NOTES TO THE CONTRACTOR:

1. SEE THE PLANS FOR THE LOCATIONS WHERE THE PROPOSED WATER AND SEWER LINES WILL BE RESTRAINED. USE BOLTLESS RESTRAINT TO RESTRAINED DUCTILE IRON WATER OR SEWER PIPES EXCEPT AT THE PROPOSED FITTINGS WHERE RESTRAINED RETAINER GLANDS CAN BE USED. USE CONCRETE THRUST BLOCKING AT ALL TIE-IN POINTS TO THE EXISTING WATER LINES.

2. THE PROPOSED WATER AND SEWER LINES INSTALLED BY OPEN CUT NEAR OR IN THE EXISTING ROADWAYS MAY NEED TO BE DONE AT NIGHT OR AS DIRECTED BY THE ENGINEER. MAINTAIN TRAFFIC AS SHOWN IN THE TRAFFIC CONTROL PLANS OR AS DIRECTED BY THE ENGINEER.

3. DUE TO THE NUMBER OF WATER SERVICES BEING RELOCATED, THE CONTRACTOR MAY NEED TO KEEP THE EXISTING AND PROPOSED WATER LINES ACTIVE AT THE SAME TIME UNTIL ALL WATER SERVICES ARE RELOCATED TO THE NEW WATER LINE. THE COST TO INSTALL TEMPORARY - (PIPE, VALVES, FITTINGS AND INCIDENTALS) NECESSARY TO KEEP THE EXISTING AND PROPOSED WATER LINES ACTIVE DURING THE WATER METER AND FIRE HYDRANT RELOCATIONS WILL BE INCIDENTAL TO THE COSTS OF PROPOSED WATER LINES.

4. IF THE WATER SERVICE CANNOT BE INTERRUPTED, THE TOWN OF WAYNESVILLE WILL NOT ALLOW UNPROTECTED BYPASS AROUND A RELOCATED BACKFLOW PREVENTER, A PARALLEL BACKFLOW PREVENTION ASSEMBLY MUST BE USED UNTIL THE RELOCATED BACKFLOW ASSEMBLY HAS BEEN TESTED AND APPROVED BY THE TOWN OF WAYNESVILLE. THE COST WILL BE INCIDENTAL TO THE PAY ITEMS FOR RELOCATE BACKFLOW PREVENTERS.

5. FOLLOWING THE INSTALLATION OF THE RELOCATED BACKFLOW PREVENTER, THE BACKFLOW PREVENTER SHALL BE TESTED BY A CERTIFIED BACKFLOW PREVENTION ASSEMBLY TECHNICIAN APPROVED BY THE TOWN OF WAYNESVILLE WITHIN 10 DAYS. THE PROPOSED SERVICE LINE CANNOT BE ACTIVATED UNTIL THE TECHNICIAN AND THE TOWN OF WAYNESVILLE HAS TESTED AND APPROVED THE INSTALLATION OF THE RELOCATED BACKFLOW ASSEMBLY.

6. ALL BYPASS PUMPING NECESSARY TO MAINTAIN THE EXISTING SEWER FLOW DURING THE TIE-IN OF PROPOSED SEWER LINES WILL BE INCIDENTAL TO THE COST OF THE PROPOSED SEWER LINES.

 License No. C-2639 401 Harrison Oaks Blvd., Suite 220 Cary, NC 27513	PROJECT REFERENCE NO. U-5839	SHEET NO. UC-3
	DESIGNED BY: JKC DRAWN BY: JKC CHECKED BY: CLS APPROVED BY: CDB REVISED:	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

7. ALL CERTIFIED BACKFLOW PREVENTION ASSEMBLY TECHNICIANS MUST OBTAIN AND EMPLOY BACKFLOW PREVENTION ASSEMBLY TEST EQUIPMENT, WHICH HAS BEEN EVALUATED AND/OR APPROVED BY THE TOWN OF WAYNESVILLE. ALL TEST EQUIPMENT SHALL BE REGISTERED WITH THE TOWN OF WAYNESVILLE AND SHALL BE CHECKED FOR ACCURACY ANNUALLY (AT A MINIMUM), CALIBRATED IF NECESSARY, AND CERTIFIED TO THE TOWN OF WAYNESVILLE AS TO SUCH ACCURACY/CALIBRATION, EMPLOYING A CALIBRATION METHOD ACCEPTABLE TO THE TOWN OF WAYNESVILLE. ALL COSTS ASSOCIATE WITH TESTING AND CERTIFICATION OF THE RELOCATED BACKFL

8. TOWN OF WAYNESVILLE SHALL OPEN AND CLOSE ALL VALVES.

9. CONTRACTOR'S ATTENTION IS DIRECTED TO SECTIONS 102, 107, AND 1550 OF THE STANDARD SPECIFICATIONS CONCERNING TRENCHLESS INSTALLATION. IT IS CONTRACTOR'S RESPONSIBILITY TO HAVE BORE DESIGNED AND SEALED BY A LICENSED NORTH CAROLINA PROFESSIONAL ENGINEER. NO DAMAGE IS ALLOWED TO RIVER, WETLANDS, OR BUFFER ZONES.

10. TOWN OF WAYNESVILLE MUST BE PRESENT DURING THE BORE SETUP AND OPERATION, PRESSURE AND LEAKAGE TEST, CHLORINATION TEST, AND FLUSHING.

11. CERTIFIED BACTERIOLOGICAL AND CONTAMINANT TEST SHALL BE PERFORMED BY TOWN OF WAYNESVILLE. IF THE SAMPLE FAILS RECHLORINATE THE WATER LINE AS STATED IN THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.

12. USE # 12 AWG SOLID-COPPER WIRE WITH BLUE INSULATION FOR TRACER WIRE. SEE TRACER WIRE DETAIL FOR LOCATION AND PLACEMENT ON SHEET UC-3A AND UC-3B. CONTRACTOR SHALL CONDUCT THE CONTINUITY TEST ONCE THE TRACER WIRES ARE INSTALLED.

13. THE AS-BUILT PLANS SHALL INCLUDE: SIZE AND TYPE MATERIAL INSTALLED, COORDINATES OF UTILITY CONTROLS AND VERTICAL AND HORIZONTAL LOCATIONS OF THE PIPING. PROVIDE 2 COPIES TO THE TOWN OF WAYNEVILLE AND THE ENGINEER.

14. THE AS-BUILT PLANS SHOULD ALSO INCLUDE THE BORE LOG FOR THE DIRECTIONAL BORE OF THE 16" HDPE WATER PIPE.

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