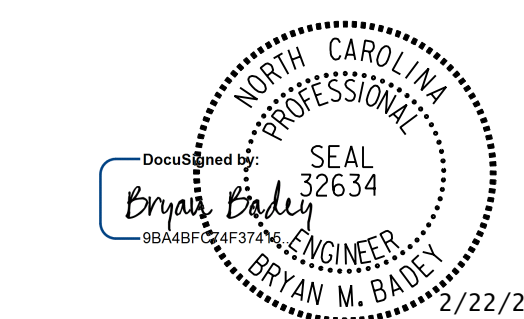


UTILITY CONSTRUCTION



UTILITY CONSTRUCTION

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

UTILITY NOTES:

1. PRIOR TO CONSTRUCTION, NOTIFY ALL UTILITY OWNERS WHOSE FACILITIES MAY BE AFFECTED TO DETERMINE UTILITY LOCATIONS. THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE CAUSED BY OPERATIONS OR THOSE OF THEIR AGENTS. THE CONTRACTOR SHALL HOLD THE CITY HARMLESS FOR ANY THIRD-PARTY INCONVENIENCE CREATED BY WORK OF THEIR OWN FORCES OR THAT OF THEIR AGENTS.

2. IN THE EVENT OF DAMAGE TO EXISTING UTILITIES, CONTRACTOR SHALL STOP WORK IMMEDIATELY, TAKE NECESSARY PRECAUTIONS TO PREVENT INJURY OR FURTHER DAMAGE, AND NOTIFY PROPER AUTHORITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING/REPAIRING ALL EXISTING STRUCTURES, CONDUITS, OR OTHER UTILITIES DAMAGED BY CONTRACTOR'S OPERATIONS.

3. FOR UTILITY LOCATE MEMBERS, CALL NORTH CAROLINA ONE-CALL @ 1-800-632-4949, FOR LOCATES OF UTILITIES NOT MEMBERS OF NORTH CAROLINA ONE-CALL CONTACT THE SPECIFIC UTILITY COMPANY.

4. CONTRACTORS SHALL ANTICIPATE HAND DIGGING AROUND EXISTING WATER SERVICES, SANITARY SEWER LATERALS, AND OTHER UTILITIES.

3. FOR ALL WATER SERVICES TO BE DISTURBED BY CONSTRUCTION, CONTRACTOR SHALL REPLACE ALL WATER METER BOXES WHICH DO NOT MEET THE REQUIREMENTS OF THE CAST IRON METER BOX FOR 5/8" AND 1" METERS DETAIL C-49, AS DIRECTED BY THE ENGINEER. TO DETERMINE COMPLIANCE OF THE WATER METER BOXES, CONTRACTOR SHALL EXPOSE, IN THE PRESENCE OF THE ENGINEER, EACH WATER METER BOX, CONTRACTOR SHALL LOCATE NEW WATER METER BOX PER V" AND 1" WATER CONNECTION DETAIL C-46-48. CITY/COUNTY UTILITIES WILL PROVIDE THE NEW WATER METER BOXES TO THE CONTRACTOR.

4. FOR ALL WATER SERVICES DISTURBED BY CONSTRUCTION, IF THE WATER SERVICES IS ACTIVE, THEN RECONNECT; IF THE WATER SERVICE IS INACTIVE, THEN REMOVE. REMOVAL SHALL INCLUDE TURNING OFF CORPORATION COCK AT THE MAIN AND REMOVING A SECTION OF PIPE BEYOND THE MAIN ON THE WATER METER SIDE.

5. CONTRACTOR IS RESPONSIBLE FOR FURNISHING BYPASS PUMPING FOR EXISTING SANITARY SEWER MAINS OR SERVICES AS NECESSARY DURING CONSTRUCTION. CONTRACTOR SHALL GIVE A MINIMUM OF 48 HOURS NOTICE PRIOR TO BEGINNING SUCH CONSTRUCTION. TRAFFIC CONTROL MEASURES, ROAD RAMPS, ETC. SHALL BE PROVIDED AS REQUIRED TO ACCOMMODATE BYPASS OPERATIONS.

LIST OF STANDARD DRAWINGS

- D1 - PIPE RELOCATION DETAIL
- C9 - BEDDING REQUIREMENTS & SAFE COVER FOR VC PIPE ON STABLE SUBGRADE
- C10 - 4" PRECAST REINFORCED CONCRETE MANHOLE
- C13 - MANHOLE BUILT OVER EXISTING LINE
- C17 - FLEXIBLE MANHOLE CONNECTOR
- C18 - MANHOLE RING & COVER (TYPE 1)
- C19 - MANHOLE RING & COVER (TYPE 2)
- C21 - 4" POLYPROPYLENE MANHOLE STEP
- C22 - SEWER CONNECTION
- C39 - CAST IRON VALVE BOX
- C40 - VALVE BOX INSTALLATION
- C41 - HYDRANT AND VALVE INSTALLATION
- C43 - CONCRETE THRUST BLOCKS FOR HORIZONTAL BENDS
- C44 - CONCRETE THRUST BLOCKS W/ ANCHORS FOR TOP VERTICAL BENDS
- C46 - 1" WATER CONNECTION
- C49 - CAST IRON METER BOX FOR 5/8" & 1" METERS
- C50 - POLYMER CONCRETE METER BOX FOR 1 1/2" AND 2" METER
- C52 - AIR RELEASE VALVE (SECTION VIEW)
- C53 - AIR RELEASE VALVE (PROFILE VIEW)
- C54 - THRUST HARNESS FOR EXITING PIPE
- W-41 - CONCRETE CRADLE PROTECTION FOR WATER LINE CROSSINGS

WATER AND SEWER NOTES:

1. THE MOST CURRENT EDITION OF THE CITY OF WINSTON-SALEM TECHNICAL SPECIFICATIONS AND DETAIL DRAWINGS FOR WATER LINE AND SANITARY SEWER LINE CONSTRUCTION WILL GOVERN ALL WATER AND SANITARY SEWER CONSTRUCTION AND INSTALLATION IN COMPLIANCE WITH THE RULES AND REGULATIONS OF THE NCDEQ, DIVISION OF WATER RESOURCES, WATER QUALITY SECTION, AND APPLICABLE PLUMBING CODES, UNLESS OTHERWISE SPECIFIED HEREIN.

2. FOR ALL WATER SERVICES TO BE CONNECTED TO THE PROPOSED WATER MAIN, CONTRACTOR SHALL REPLACE ALL WATER SERVICE PIPING WHICH IS NOT TYPE K COPPER OR IS IN POOR CONDITION, AS DIRECTED BY THE ENGINEER. TO DETERMINE WATER SERVICE PIPING MATERIAL AND CONDITION, CONTRACTOR SHALL EXPOSE, IN THE PRESENCE OF THE ENGINEER, EACH WATER SERVICE AT THE TIE TO THE EXISTING MAIN, APPROXIMATELY TWO FEET FROM THE METER ON THE WATER MAIN SIDE, AND APPROXIMATELY TWO FEET FROM THE METER BOXES ON THE SERVICE SIDE.

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 2/22/2024
 B.M.B.