



## Private Water Plan Submittal Requirements

### **EFFECTIVE JULY 1, 2019:**

CLT Water's private water permitting authority has been altered to permit private water between the meter and backflow assembly for 2" and larger domestic services only, serving more than one structure.

### **SUBMITTAL ITEMS:**

#### Pre-Construction:

- Signed/Sealed plans from Developer's Engineer (including full extent of distribution system)
- Completed Private Water Main Extension Application
- Engineer's Report
- Flow Acceptance Approval Letter (approval date not to exceed 2 years)
- Fire Hydrant Flow Test Report

#### Post-Construction:

- As-built of permitted system including Meter(s) & Backflow(s)
- Engineer and Owner Certifications

### **PLAN SUBMITTALS:**

Plans shall be submitted to CLT Water at [gmontgomery@charlottenc.gov](mailto:gmontgomery@charlottenc.gov)

NCDEQ will continue issuing permits for public water systems such as subdivisions or business parks receiving their water supply from a source other than CLT Water. Such sources of supply include, but are not limited to well or surface water or another utility provider, such as Utilities, Inc. or Aqua Carolina. In addition, typical large diameter water main extensions, treatment facilities and major public distribution system modifications, such as booster stations and storage tanks will require permits through NCDEQ.

### **PLAN REVIEW REQUIREMENTS:**

1. Cover Sheet / Utility Plan shall include completed title block and applicable notes A – D indicated herein.
2. Utility Plan Review Requirements:
  - a. Private water permit applies to 2" and larger private water domestic mains serving more than 1 structure.
  - b. Include full extent of private water distribution system.
  - c. Meter and Backflow Preventer size and type shall be indicated for each private water line.

- d. LF, size, type and material of pipe shall be labeled from the meter to Backflow Preventer. Indicate as "Private".
- e. TS&V, tapping saddle and corporation stop or tee at service connection shall be labeled.
- f. Clearance between private water lines and storm lines (24" and larger) at crossings shall be provided.
- g. Storm line sizes shall be indicated.
- h. 2" Private Water Lines shall only serve a maximum of 20 units / lots on dead end lines.
- i. LF of private water distribution line (between meter and backflow) on the plan sheet shall match the Title Block on Cover Sheet, Application and Engineer's Report.
- j. Private water distribution lines should not be located under any permanent structures and if so, steel casing should be reflected for the private water below the structure.
- k. Private Water Tracking Number to be indicated on each applicable plan sheet.
- l. Existing Charlotte Water public water mains shall reference size, material, job number and file number.
- m. Any existing private water distribution systems shall reference size of main and existing NCDEQ permit number.
- n. Any Donated Project water lines shall reference size and job number.
- o. Confirm property limits and that proposed private water distribution system is not serving adjacent parcels owned by separate property owners.

**NOTES:**

The following notes (A – C) shall be included on **all** private water plans:

- A. NCDEQ (FORMERLY NCDENR) AND THE NORTH CAROLINA UTILITY COMMISSION (NCUC) SHALL BE CONTACTED AND INFORMED OF PROPOSAL TO SUB-METER PRIVATE DEVELOPMENT BEHIND CHARLOTTE WATER MASTER METER AFTER PRIVATE SYSTEM IS PERMITTED AND CERTIFIED IF SUB-METERING 15 OR MORE UNITS OR WILL BE SERVING 25 OR MORE PEOPLE (E.G., EMPLOYEES); CREATING A "PUBLIC SYSTEM" REQUIRING IT TO BE REGULATED. ADDITIONAL REQUIREMENTS AND PROCEDURES DETERMINED BY NCDEQ AND THE NCUC SHALL BE ADHERED TO ACCORDINGLY.

**NCDEQ REQUIREMENTS:**

APPLIES TO 15 OR MORE SUB-METERED RESIDENTIAL OR COMMERCIAL UNITS OR SUB-METERED COMMERCIAL UNITS SERVING 25 OR MORE PEOPLE (E.G., EMPLOYEES), CREATING A "PUBLIC SYSTEM"

- PRIVATE WATER DISTRIBUTION PLANS SHALL BE PERMITTED BY NCDEQ (INSTEAD OF CLT WATER) AND PRIVATE SYSTEM WILL BE REGULATED
  - **NCDEQ WILL NOT REGULATE "PUBLIC WATER SYSTEM" IF WR DESIGNATION IS OBTAINED BY NCUC**

**NCUC REQUIREMENTS:**

APPLIES TO 15 OR MORE LEASED, SUB-METERED RESIDENTIAL ONLY UNITS (WR OR WRN)

- WR: APARTMENTS, CONDO'S AND TOWNHOMES
- WRN: SINGLE DWELLING

- REQUIRES CUSTOMER TO SUBMIT APPLICATION TO NCUC INCLUDING ADDITIONAL DOCUMENTS AND FEES
  - NCUC REVIEWS AND APPROVES APPLICATION AND ISSUES “CERTIFICATE OF AUTHORITY” IN WHICH THEY ESTABLISH WATER AND SEWER RATES
- WR OR WRN DESIGNATIONS ARE ONLY EXEMPT IF WATER AND SEWER FEES WILL BE PAID AS A PART OF RENT
  - APPLICATION STILL REQUIRED TO BE SUBMITTED TO NCUC SO THEY MAY ISSUE A “CERTIFICATE OF AUTHORITY”
  
- B. APPROVAL FOR BACKFLOW PREVENTION REQUIREMENTS IS NOT PART OF THIS REVIEW. BACKFLOW PREVENTION REVIEW ENTAILS PLAN SUBMITTAL VIA MECKLENBURG COUNTY’S CODE ENFORCEMENT PERMITTING PROCESS AT THE TIME OF APPLICATION FOR BUILDING PERMITS. BACKFLOW PROGRAM REQUIREMENTS ARE AVAILABLE AT [HTTP://CHARLOTTENC.GOV/WATER/PAGES/BACKFLOWCONSTRUCTIONGUIDELINES.ASPX](http://charlottenc.gov/water/pages/backflowconstructionguidelines.aspx) . PLEASE CONTACT MARK KROUSE AT 704-432-5800 FOR MORE INFORMATION.” ANY REVISION TO THE SERVICE CONFIGURATIONS AND/OR METER LOCATIONS WILL REQUIRE A RESUBMITTAL TO BACKFLOW FOR REVIEW.
  
- C. THIS APPROVAL PERTAINS TO PRIVATE WATER BEHIND THE METERS ONLY. A SEPARATE SITE PLAN SHALL BE SUBMITTED TO CUSTOMER SERVICE FOR NEW SERVICE REVIEW FROM THE MAIN LINE TAPS TO THE METERS. NEW SERVICE SITE PLAN WILL ALSO INCORPORATE SEWER LATERALS FROM THE MAIN LINE TAPS TO THE CO/ROW.

The following note (D) shall be included on **applicable** private water plans:

- D. APPLY FOR CLT WATER TO MAKE SERVICE CONNECTIONS TO EXISTING PUBLIC WATER & SEWER MAINS THROUGH THE NEW SERVICES SECTION. THE DEVELOPER’S/OWNER’S CONTRACTOR IS NOT PERMITTED TO MAKE THE WATER & SEWER SERVICE CONNECTIONS. METER LOCATION IS SUBJECT TO CHANGE BASED ON NEW SERVICE SITE PLAN REVIEW