

Chatham County Requirements for Contractors

1) Required Submittals

Shop Drawings (drawing and specifications are to be followed)

- (1) Notified Utilities Director of any major changes
- (2) Submittals of cut sheets on materials
- (3) Chatham County Inspection Points
 - (a) Observe the installation of all mainline taps.
 - (b) Observe the installation of all tees, elbows, and dead-ends.
 - (c) Observe the installation of at least one-half of the fire hydrants.
 - (d) Observe the installation of at least one-half of main line taps.
 - (e) Observe the installation of the pressure test

2) System Testing

- (1) All tests (cleaning, flushing, pressure testing and disinfection) shall be performed by the Contractor and witnessed by the County Inspector.
- (2) Flushing
 - (a) The line shall be cleaned and flushed until water is clear.
 - (b) The Developer is responsible for the cost of water used in flushing.
 - (c) The total volume used shall be calculated based on two times the volume of all pipes to be tested. If the county feels that excessive amounts of water are being used, it reserves the right to require that hydrant meters be installed to measure the amount of water used.
 - (d) The Contractor must notify the County two days prior to any flushing. Depending on water use patterns, the Contractor may be required to perform flushing in the late hours of the night.
- (3) Disinfection
 - (a) Procedure: Samples will be pulled from every fire hydrant.
 - (b) No samples shall be taken on Friday due to the lab being closed on weekends.
 - (c) Chatham County requires the use of the Chatham County Laboratory for processing of the bacteriological samples. The cost of these samples is \$35.00.
 - (d) Grabbing the Samples: Chatham County will pull all samples.
 - (e) Delivery of Samples: A Chatham County representative will deliver the samples to the lab.
 - (f) The Contractor shall be responsible for neutralizing the chlorinated water prior to the final flushing of the line (as needed at creeks). Method of de-chlorination to be approved by the Chatham County Utilities Department.

3) Close out documents

- (1) The Developer's engineer shall close out the project with the state by issuing a confirmation letter. A copy of the letter will be required by the county.

4) As-builts

- (1) As-Built drawing (3) copies are required by the county along with the AutoCAD disk. Shop manuals shall be turned over to the county if available. (See attached As-Built requirements).
- (2) Inspection fees for county inspection must be paid.
- (3) Warranty form is to be filled out by the Developer and returned to the Utilities Director.
- (4) The County will issue an acceptance form to the Developer once all Close-Out items are complete. From that point, the "Water Line Extension" will be under warranty for a period of one year.

5) Punch List Items and Inspection Fees

- (1) Once the installation is nearing completion, the County Inspector will start a punch list of items that require attention and will issue it to the Developer's engineer.
- (2) Inspection fees will be levied on an hourly basis.
- (3) The County Inspector only makes observation during the installation. The Developer's engineer is responsible for keeping accurate records for As-Builts and Close-Out.

If a developer is allowed to place a water main under or along a sidewalk (concrete or pavement) the Homeowner Association will be required to replace the sidewalk at their cost. There must be a Homeowner Association to allow this option.