



Required Inspections - Water

11325 Brown Bridge Road
Covington, GA 30016

(770) 787-1375
www.ncwsa.us

(This guidance represents a condensed version of NCWSA Standards found at: <https://ncwsa.us/departments/engineering/>)

Connections to NCWSA Water Systems:

A minimum of 24-hours' notice is required on the following inspections.

1. Contact the Inspector, David Heinemann, at (678) 878-5987, or email dh@ncwsa.us.
2. Before construction (excavation) begins;
3. Installation of tapping sleeves and valves: (Monday through Thursday only):
 - a. Disinfect surfaces and equipment by spraying or swabbing;
 - b. Pressure test @ 200 psi minimum for 10 minutes;
4. Water mains:
 - a. Restraint at all fittings, whether thrust blocking or restrained joints;
 - b. Pressure test @ 200 psi minimum for 2 hours;
 - c. Flushing and disinfection;
 - d. Demonstrating fire hydrants operable;
 - e. Demonstrating all valves open; and,
 - f. As required by Inspector, based on specific site conditions.

Connections on Private Property:

1. Backflow Preventers (BFP): Backflow preventers will be inspected by the Authority's Cross Connection Control Manager, Bryan Bloodworth, for conformance to approved plans and for proper function. A Certified Tester shall test the BFP to demonstrate that the device will properly isolate the fire or service line from the public main. This test must be performed as part of the fire line or service line test with results sent to the CCCM at bb@ncwsa.us or call Bryan @ (678) 878-9329.
2. Detector Metered Assemblies: Double Detector Checks and Reduced Pressure Detector Assemblies shall be retrofitted with an Authority furnished detector meter, compatible with Authority AMR based meter reading system. This meter is furnished by NCWSA and included in the connection fee.
3. Fire Lines: Private fire lines will be inspected from the backflow preventer to 5-feet outside the building wall for conformance with approved plans. Disinfection and pressure testing shall be conducted as noted above for water mains.
4. Residential and Commercial Service Lines: The Authority will inspect private service lines, 2-inch and larger, from the backflow preventer to within 5-feet of the building wall for leaks, thrust restraint at fittings, and general location. Contractor should have the trench open, line exposed, and system pressure on the line.
5. Upon completion of work and before backfill, contact the Authority Inspector, David Heinemann @ (678) 878-5987, or email dh@ncwsa.us.



Required Inspections -Sewer

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For Authority Sewer Lines and Facilities (to be dedicated to NCWSA): 24 hour notice is required on the following inspections. Contact the Inspector at (678) 878-5987, or email dh@ncwsa.us before the following:

1. Before construction (mobilization) begins.
2. Connection (taps) to existing manholes or lines.
3. Sewers and manholes:
 - a. Cleaning and jetting of lines
 - b. Low-pressure air testing
 - c. Vacuum testing for manholes
 - d. Lateral connections
 - e. Camera or CCTV inspection of lines
 - f. Mandrel testing under paved areas and roadways
4. Force mains:
 - a. Pressure test for 2-hours @ 50 psi added to pump shut off head, measured at the lowest point; or, test at 150 psi, whichever is more.
 - b. Thrust restraint at all fittings including thrust blocking and restrained joints.
 - c. Demonstrate all air and vacuum relief valves.
 - d. Pipe connections to existing manholes.
5. Others, as required by Engineering or Inspector, based on specific site conditions.
6. Upon completion of work and before backfill, contact the NCWSA Authority Inspector.

For Lines and Facilities on Private Property: Per the Authority's Sewer Use Ordinance, all facilities to be connected to the Authority's sanitary sewer system shall be inspected for conformance to approved plans, sound construction, and prevention of infiltration and inflow.

1. **Failed Inspections:** A minimum 24-hour wait and a \$75 re-inspection fee shall be assessed to builder.
2. **Grease Traps:** Grease traps and interceptors, oil-water separators, and other pretreatment devices will be inspected. Alternate designs or equipment must be approved during Plan Review.
3. **Sanitary Sewer Lines and Laterals:** Sewer laterals and private sewers will be inspected for conformance to approved plans for proper slope, required cleanouts, and prevention of infiltration and inflow.
4. **Screening Equipment:** Mechanical screens, comminutors, and grinder stations will be inspected for proper operation under a clean water test. Electrical construction, controls, and alarms must be completed and operational.
5. **Pumping Stations:** A separate schedule of inspections and performance testing will be developed by the Inspector.