Required Inspections - Water

11325 Brown Bridge Road
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(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, J.D. Reid, at (678) 878-5987, or email jr@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, Brian 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 Brian @ (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, J.D. Reid @ (678) 878-5987, or email jr@ncwsa.us.