



## **FIELD SERVICES RECLAIMED WATER INSPECTION REQUIREMENTS**

Cary Infrastructure Field Technician must be notified of the following items of construction so that an inspection can be done before backfill operations may commence. Contact 311 or dial 919-469-4000 to schedule the inspection.

No construction of any reclaimed water system can begin until construction plans have been approved, a [reclaimed water extension permit](#) issued and material submittals have been submitted. Also, construction cannot begin in a North Carolina State Road right-of-way without an encroachment agreement with the North Carolina Department of Transportation.

- Review material delivered on site
- Boring and jacking (spiders/skids, sealing end of casing etc.)
- Tapping sleeves and valves with blocking (hydrostatically tested up to 200-psi)
- Blow-off assemblies
- Restraint systems, bedding material around pipe and identification tape 12” to 15” above pipe
- Reducers shall be restrained
- 3M traceable tape on main line or programmable marker balls every 100 feet. Programmable marker balls on tees, bends, fittings and reducers (all centered on pipe and fittings) are required
- Crossing separation between water, sewer and storm drainage pipe
- Services from the tap to meter box with tracer wire (12 AWG, UL listed solid copper wire with a minimum 30-mil purple jacket)
- Tees, caps, valves and all fittings (painted with approved Pantone 522 – purple) and reaction blocking
- Meter vaults and assemblies
- Air release manhole (no dog-house manholes), meter vaults or other large structures inside walls are to be painted Pantone 522 – purple and stenciled with “Caution: Reclaimed Water – Do Not Drink” in at least 2 locations
- Pressure test (a hydrostatic test at a pressure of 150 psi for two (2) hours), **“Pressure Test Report”** completed
- Purity test (bacteriological analysis)
- Installation locks at the angle ball valve on system side of the meter setter. Lock provide by Infrastructure Field Services Technician

Contact the Public Works Department (919) 469-4090 to fill pipes. Contractor cannot operate tie-in valve or any new valve that is connected directly with the existing reclaimed water supply.