

FIELD SERVICES RECLAIMED WATER INSPECTION REQUIREMENTS

The Town of Cary Infrastructure Field Technicians must be notified of the following items of construction so that an inspection can be made before backfill operations may commence. Contact your assigned Infrastructure Field Services Technician or call the Infrastructure Field Services Supervisor at (919) 496-4036 to schedule an 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.

- 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
- Non-programmable marker balls on main line every 100 feet and programmable marker balls on tees, bends, fittings and reducers (all centered on pipe and fittings)
- 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.

TOWN of CARY

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