

SEMINOLE COUNTY WATER CLEARANCE PROCEDURE

Reference: American Water Works Assoc. (AWWA)

Isolation from the existing system:

To prevent possible contamination of the existing potable water supply, all new water mains construction shall be isolated from existing water lines using jumpered back flow/meter connections and locked valves. See Seminole County Land Development Code detail for standards.

A five step main clearance procedure shall be followed. Each step requires advance scheduling with Seminole County Environmental Services Department.

1. Full Diameter Flush: All new mains shall be purged of contaminants by means of a full diameter flush. The Engineer, Seminole County Utilities Inspector, and contractor will discuss the procedure (AWWA 651-92 page 8) that will satisfactorily accomplish the cleaning. Points and methods of this flushing will be finalized at the preconstruction conference. **A Utilities Inspector shall observe the flushing.**
2. Pressure Test: All new mains shall be pressure tested according to Seminole County Land Development Code specifications and will be discussed at the preconstruction conference. **The Project Engineer and Seminole County Utilities Inspector shall observe and certify a satisfactory pressure test was performed.**
3. Chlorination: All new mains shall be disinfected according to AWWA C-651-92. And the Seminole County Land Development Code. The contractor shall provide a chlorine residual testing device to demonstrate to the utility inspector that a minimum 25mg/l of residual chlorine is present throughout the main 24 hours after disinfection is started. At the preconstruction conference, materials and methods of disinfecting new lines, will be discussed.
4. Main Cleaning: After the 25mg/l residual is observed at the end of the 24 hour period, the main shall be cleared of excess chlorine by flushing until a normal potable water residual between 0.2 and 1.0 mg/l is observed.
5. Bacteriological Testing: All sample points must have hose bibs 2 feet above finished grade. The samples will be collected on Tuesday's and Wednesday's of the week. Seminole County Environmental Services Department will accept a faxed copy of the bacteriological test results to help expedite the clearance and approval process. (Fax. forms to 407-665-2019 attention PEI Office.) The certification to be submitted to FDEP must contain an original copy of the bacteriological report.