

## NOTES:

1. A temporary jumper connection is required at all connections between existing active water mains and proposed new water main improvements.
2. The Temporary Jumper Detail (W-12) is to be used for filling any new water main of any size from the existing active water mains and for the flushing of new mains up to 6" diameter (2.5 FPS minimum velocity) and for pulling bacteriological samples from any new water main of any size.
3. The jumper connection shall be maintained until after the filling, flushing, testing and disinfection of the new main has been successfully completed and clearance for use from the Florida Department of Environmental Protection (FDEP) and other pertinent agencies has been received. Adequate thrust blocking and/or restraints shall be provided temporarily, as required.
4. Pipe and fittings used for connecting the new pipe to the existing pipe shall be disinfected prior to installation in accordance with AWWA C651, LATEST EDITION. The tapping sleeve and exterior of the main to be tapped shall be disinfected by spraying or swabbing per section Two of AWWA C651. The use of tablets is strictly prohibited.
5. The Jumper connection shall also be used to maintain a minimum pressure of 20 PSI in the new mains continuously after disinfection and until FDEP clearance letter is obtained.
6. The Contractor shall provide documentation demonstrating that the double check backflow prevention device is in good working order at the time of installation, and provide documentation that the double check backflow prevention device has been tested in the last 12 months, and is in good working order one year from installation by a qualified backflow technician as approved by IRCDUS.
7. Except as required to flush lines greater than 6" diameter, the tie-in valve shall remain closed and shall be locked in the closed position by the utility company. The tie-in valve shall remain locked closed until the new system has been cleared for use by the FDEP and all other pertinent agencies.
8. Upon receipt of clearance for use by FDEP and all other pertinent agencies, the Contractor shall remove the temporary jumper connection. The corporation stops are to be closed and plugged with 2" brass or PVC stops.
9. All installation and maintenance of the temporary jumper connection and associated backflow prevention device, fittings, valves, etc., shall be the responsibility of the Contractor.
10. If the water main to be flushed is greater than 6" diameter or such length that a full pipe flush at the 2.5 FPS velocity cannot be accomplished, the following procedure shall be utilized.
  - a) Install pressure gauges as indicated on Temporary Jumper Detail (W-11).
  - b) Open all downstream valves in the new system prior to flush.
  - c) Flush new water main thru tie-in valve maintaining a 10+/- PSI pressure differential between gauges during flush.
  - d) IRCDUS personnel, in the presence of the Engineer of Record shall operate tie-in valve to insure that the required pressure differential is maintained.

