

WATER UTILITY INSTALLATION NOTES

1. Installation of water main, fittings, valves, fire hydrants, and appurtenances shall be in accordance with Indiana American Water Standards and Specifications, latest revision.
2. It is the contractor's responsibility to field verify the location, size and material of the existing water main prior to construction.
3. For PVC C900 pipe installation: DR14 pipe is required. Deflection of pipe joints and bending of pipes are not permitted. All angles shall be made with proper fittings. When restraint of pipe-to-pipe joints are required, all joints shall be restrained with external split serrated restraint harnesses. Select fill material required for bedding and embedment regardless of pipe's proximity to pavement.
4. For Ductile Iron pipe installation: Thickness Class 52 for typical distribution mains 12-inch nominal size and smaller. When restraint of pipe-to-pipe joints are required, push-on restraining gaskets with integral stainless steel locking segments are permitted on pipe-to-pipe connections 12-inch nominal size and smaller only. Pipe-to-pipe connections greater than 12-inch nominal size shall be restrained per specification section 15105.
5. Encase all ductile iron piping, ductile iron fittings, valves, hydrants, and all other metallic appurtenances in 12mil polyethylene.
6. All fire hydrant laterals shall be ductile iron pipe.
7. All MJ T-bolts and flange bolts shall have Xylan or FluoroKote #1 corrosion resistant coating.
8. All fittings shall be restrained using MJ retainer glands or poured concrete thrust blocks.
9. Copper-clad steel tracer wire required on installation of all pipe. Tracer wire shall be taped to pipe or polyethylene encasement at a minimum spacing of 10-feet. Splices shall be encased in waterproof connectors. Continuity shall be tested after completion of backfill.
10. Select fill material required for final backfill when within 5-feet of pavement per specification section 02210.
11. Maintain the required 10-feet of horizontal separation and 18-inches of vertical separation from sanitary and storm sewers. Maintain 8-feet of horizontal separation from sanitary and storm structures. See 327 IAC 8-3.2-9 of the Indiana Administrative Code for more information.
12. Maintain minimum cover depth of X" and a maximum of X"+24".

USER NOTES:

- Depending on water main pipe material, choose between note #3 or #4.
- X" per 327 IAC 8-3.2-17(d)
 - 42" min. for SIO