



Town of Poughkeepsie

Planning & Zoning

1 Overcker Road
Poughkeepsie, NY 12603

845-485-3657 Phone
845-486-7885/790-4772 Fax

Town of Poughkeepsie Planning Board Water Supply Notes

The following notes shall be placed on any subdivision plat and site plan map.

1. All water mains shall be cement lined ductile iron pipe, class 52 push-on joint, unless otherwise specified by or approved by the Town of Poughkeepsie Water Department. Jointing shall employ "Megalug" connections, field lock gasket, or as alternatively specified by the Town of Poughkeepsie Water Department. All water piping construction shall be to the specifications of the Town of Poughkeepsie Water Department. Wet tap of public water system shall be approved and supervised by the Town of Poughkeepsie Water Department. Tapping sleeve shall be stainless steel or approved equal. All mainline valves shall be resilient wedge or approved equal.
2. The water line may be flexed within pipe specifications or laid deeper in areas where a crossing with a sanitary line occurs, to achieve the required 1.5' vertical separation distance. If this distance cannot be reasonably achieved, the contractor shall use pressure rated sanitary pipe of equal or greater rating than the pressure class for the water line.
3. Minimum vertical separation between water mains and sewer pipe shall be 18 inches measured from the outside of the pipes at the point of crossing. One full standard laying length of water main shall be centered under or over the sewer so that both joints will be as far from the sewer line as possible. In addition, when the water main passes under a sewer, adequate structural support (compacted select fill) shall be provided for the sewer to prevent excessive deflection of joints and settling of the sewer pipe on the water main. Minimum horizontal separation between parallel water mains and sewer pipes (including manholes and vaults) shall be 10 feet measured from the outside of the pipes, manholes or vaults.
4. All water mains shall have a minimum of (5) five feet of cover from the top of the main to finished grade. The contractor shall check all finished grade stakes before trenching to ensure that all installed water mains will have the required cover.
5. The supplier of water must receive at least 48-hour advance notification requesting sampling services. Sampling will not be performed prior to receipt from a New York State licensed or registered design professional (engineer, architect, or land surveyor with a special exemption under section 7208(n) of the education law) certifying that the water supply improvements, testing and disinfection procedures were completed in accordance with the approved plans, reports, specifications and any approved amendments. A NYSDOH certified laboratory will collect samples for free chlorine residual, total and fecal coliform and 24-hour bacterial plate count. The certificate of compliance shall be provided to the Water Maintenance Supervisor as a condition of approval for operation.
6. The contractor shall coordinate the testing with the Water Department so as to maintain the amount of service interruption to existing users to the least extent practicable. Water main installation and testing shall be performed under the supervision of the project engineer or his designee as necessary to meet conditions in note 5 above.
7. The water main shall be pressure leakage tested in accordance with the minimum requirements of the AWWA standard C600 (latest revision) or in accordance with more stringent requirements imposed by the supplier of water. Test to first valve within building.

8. The water main shall be disinfected equal to AWWA Standard for disinfecting water mains designation C651 (latest revision). Following disinfection, the water main shall be flushed until the chlorine concentration in the water leaving the main is no higher than that generally prevailing in the system. The project engineer or his designee shall also witness disinfection and flushing.
9. All water main fittings not receiving 24-hour chlorine disinfection contact time must be swab-disinfected 30 minutes prior to installation.
10. The sampling point(s) must be decontaminated by flaming.
11. Fire hydrants are not acceptable sampling points.
12. Fire hydrant weep holes (drains) shall be plugged when ground water is encountered within seven feet of the finished grade. When drains are plugged, the barrels must be pumped dry after use during freezing weather. Such hydrants shall be identified by markings as approved by the Town of Poughkeepsie.
13. Proposed water meters located within the meter pit or building shall be a compatible remote style type (sensus or approved equal), and shall be approved by the Town of Poughkeepsie Water Department prior to installation. Water meter shall be equipped with (radio type) transceiver as approved by the Town of Poughkeepsie Water Department.
14. The water line shall be installed at a continuous grade with no abrupt high points or low points.
15. Final water distribution system is subject to review, revision and approval by the Town of Poughkeepsie Water Department.
16. All water mains and related appurtenances shall be constructed to the latest standards and specifications of the Town of Poughkeepsie.
17. The water main shall not be placed into service until so authorized by the Town of Poughkeepsie.
18. All water service construction shall be subject to inspection by the Town Water Department prior to backfilling. Bedding and pipe zone material shall be composed of either washed stone, crushed stone, light gravel or coarse sand having a gradation limit of ¾" minus. An acceptable material shall meet the following requirement:

<u>Sieve Designation</u>	<u>% Passing</u>
¾"	100
No. 40	0-70
No. 200	0-10

Trench backfill shall be well-graded soil and gravel material. All particles shall have a gradation of 2" or less. An acceptable material shall meet the following requirement:

<u>Sieve Designation</u>	<u>% Passing</u>
2 Inch	100
1/4 Inch	30-65
No. 40	5-40
No. 200	0 – 15

Bedding and backfill material shall be stockpiled in amounts necessary for reasonable backfilling requirements. A sieve analysis of bedding or backfill may be required at the request of the Town of Poughkeepsie.

21. The site utility contractor shall be responsible for all buried piping to the location of the proposed building connection point (i.e. inside the building). This includes the testing and certification of all water service work from the town water connection point to the proposed buildings interior connection point.
22. Indicator tape shall be placed 12" below finished grade directly above all waterlines.
23. All copper water service piping installation, backfill and testing shall be reviewed, and approved by the Town of Poughkeepsie Water Maintenance Supervisor or his designee. Bedding, pipe zone, and backfill material must be sand only.
24. The pipe supports for the meter pit shall be made of galvanized steel and shall be adjustable. The supports are to be placed only beneath spool pieces and not under critical equipment, meters, etc.
25. Three as-built drawings which include verification of the sewer infrastructure including rims and inverts will be provided to the planning department for dissemination to the engineering and sewer departments prior to any easement dedication to the Town.