

4715.1710 WATER SERVICE.

Subpart 1. **Size of water service.** The water service pipe shall be of sufficient size to furnish water to the building in quantities and at the pressures required elsewhere in the code. It shall in no case be less than three-fourths inch nominal diameter. Methods for sizing the water service pipe are described in parts 4715.3500 to 4715.3800.

Subp. 2. **Separation of water service and building sewer.** Except as permitted in this subpart, the underground water service pipe and the building drain or building sewer shall not be less than ten feet apart horizontally and shall be separated by undisturbed or compacted earth.

NOTE: See chapter 4725 relating to wells and borings regarding separation of buried sewers from wells.

The water service pipe may be placed in the same trench with the building drain and the building sewer provided approval is given by the administrative authority and the following conditions are met:

A. The bottom of the water service pipe, at all points, shall be at least 12 inches above the top of the sewer line at its highest point.

B. The water service pipe shall be placed on a solid shelf excavated at one side of the common trench. The water service pipe shall preferably be of one piece. Where this is not feasible the number of joints in the service pipe shall be kept to a minimum.

C. The sewer and water service pipes shall be tested prior to backfilling, as described in part 4715.2820, or by methods acceptable to the administrative authority.

D. Where the provisions of items A and B cannot be met, the sewer pipe shall be of cast iron or plastic 6A, 6B, 6C(2), or 6C(3) and the water pipe of copper, ductile or cast iron, or plastic 6D, 6E, 6F, 6G, or 6I (part 4715.0420, subpart 3).

E. Where the water service pipe must cross the building sewer, the bottom of the water service pipe located within ten feet of the point of crossing shall be at least 12 inches above the top of the sewer, except where this is not feasible, the sewer shall be of cast iron or plastic 6A, 6B, 6C(2), 6C(3), or 6C(4) (part 4715.0420, subpart 3) for at least ten feet on either side of the crossing.

Subp. 3. **Water service near sources of pollution.** Potable water service pipes must not be located in, under, or above cesspools, septic tanks, septic tank drainage fields, seepage pits, soil treatment systems, sewer manholes, catch basins, buried tanks containing chemicals or petroleum products, or any other source of pollution that in the judgment of the administrative authority might contaminate the potable water supply. A horizontal separation of ten feet must be maintained between the outer edge of the water service pipe and the outer edge of the contamination source.

Statutory Authority: *MS s 16B.62; 326.37 to 326.45; 326B.121; 326B.43 to 326B.49*

History: *9 SR 1557; 19 SR 590; L 2007 c 140 art 4 s 61; art 6 s 15; art 13 s 4; 33 SR 2042*

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