



SEWER LINE/WATER SUPPLY WELL SEPARATION POLICY FOR DESIGN OF SANITARY SEWERS

- A. All existing public or private water supply wells within **one hundred feet (100')** of the proposed sewer line shall be located in the field and shown in plan view in the contract documents. Sewers shall not be placed within a **fifty-foot (50') influence zone** of any public or private water supply well. The “fifty-foot (50') influence zone” is defined as the area extending fifty feet (50') radially in the horizontal plane from the water supply well.
- B. When it is impossible to prevent placement of a sewer line within the fifty-foot (50') influence zone of public or private wells, the following protection shall be provided:
1. The sewer shall be encased in concrete (minimum 6 inch thickness) or a carrier pipe for the entire length that is within the fifty-foot (50') influence zone, or
 2. The sewer shall be constructed of a material equal to water main pipe (cement-lined ductile iron or other AWWA[†] approved material for potable water conveyance) for the entire length that is placed within the fifty-foot (50') influence zone. Pressure testing of this section shall be performed in accordance with AWWA specifications.
- C. When a sewer line is placed with the fifty-foot (50') influence zone of permanently abandoned public or private water supply wells, the wells in question shall be plugged and capped in accordance with abandonment procedures set forth in DEM Office of Water Resources Rules and Regulations Governing the Enforcement of Chapter 46-13.2 Relating to the Drilling of Drinking Water Wells. Any other local, state or federal well abandonment requirements, which are more stringent than those cited above, shall govern. In this case, the placement of the sewer line need not adhere to the requirements set forth in paragraph B. above.

[†]American Water Works Association