Potable and Non-Potable Line Crossings
Vertical Separation Requirements
June, 2010

The term “line” applies to both main lines and service lines.

Zone 1:
A) Potable Water and Non-Potable Mains and Service Lines separated by at least 18 inches and

B) One full, uncut length of Potable pipe must be centered on the crossing so that the joints are as far as possible from the crossing.

Zone 2: Potable line <18” over top of Non-Potable line.

  A) One full, uncut length of Potable Water pipe must be centered on the crossing so that the joints are as far as possible from the Non-Potable line and

  either B) Non-Potable line must be constructed to Potable water pipe standards and pressure tested for water tightness for a horizontal distance of 10 feet on both sides of the crossing,

  or C) Non-Potable or potable line must be cased in a larger diameter carrier pipe for a horizontal distance of 10 feet on both sides of the crossing, with no joints.

Zone 3: Same requirements as Zone 2 and the Non-Potable line must also be supported above the crossing to prevent settling.

Zone 4: Same requirements as Zone 2 item A) only, and the Non-Potable line must also be supported above the crossing to prevent settling.

Sewage force mains shall have at least eighteen inches of clearance from Potable Water mains and Zone 2 and 3 placements are prohibited. Separation requirements also apply to Potable and Non-Potable service lines controlled by the system owner and extending to the property line, service meter, or cleanout. Refer to IDAPA 58.01.08.542.07: Idaho Rules for Public Drinking Water Systems and IDAPA 58.01.16.430: Idaho Wastewater Rules.