B. BASIC SEPARATION STANDARDS

The "California Waterworks Standards" sets forth the minimum separation requirements for water mains and sewer lines. These Standards, contained in Section 64630, Title 22, California Administrative Code, specify:

- (c) (1) PARALLEL CONSTRUCTION: The horizontal distance between pressure water mains and sewer lines shall be at least 10 FEET.
 - (2) PERPENDICULAR CONSTRUCTION (Crossing): Pressure water mains shall be at least ONE FOOT above sanitary sewer lines where these lines must cross.
- (d) Separation distances specified in (c) shall be measured from the NEAREST EDGES OF THE FACILITIES, INCLUDING MANHOLES.
- (e) Common Trench: Water mains and sewer lines must not be installed in the same trench.

When water mains and sanitary sewers are not adequately separated, the potential for contamination of the water supply increases. Therefore, when adequate physical separation cannot be attained, an increase in the factor of safety should be provided by increasing the structural integrity of both the pipe materials and joints.

C. EXCEPTIONS TO BASIC SEPARATION STANDARDS

Local conditions, such as available space, limited slope, existing structures, etc., may create a situation where there is no alternative but to install water mains or sewer lines at a distance less than that required by the Basic Separation as specified in Section E should be followed, subject to the special provisions in Section D.

Water mains and sewers of 24 inches diameter or greater may create special hazards because of the large volumes of flow. Therefore, installations of water mains and sewer lines 24 inches diameter or larger should be reviewed and approved by the health agency prior to construction.

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