

SECTION 02605

SEPARATION OF PIPE UTILITIES

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Location of piped utilities to separate water mains from sewer facilities.

1.02 RELATED WORK

- A. Section 02305: Boring and Jacking
- B. Appropriate Piped Utility Sections (2700 Numbers)

PART 2 PRODUCTS

(Not Used)

PART 3 EXECUTION

3.01 PARALLEL INSTALLATION

- A. Separate water mains at least 10 feet horizontally, measured edge to edge, from any sewer facility whenever possible.
- B. When local conditions prevent a horizontal separation of 10 feet, closer installations may be made if:
 - 1. The bottom of the water main is at least 18" above the top of the sewer facility; or
 - 2. The sewer is constructed of materials equivalent to water main standards and pressure tested to assure water tightness prior to backfilling.

3.02 CROSSINGS

- A. Separate water mains crossing sewer facilities by at least 18" between the bottom of the water main and the top of the sewer facility whenever possible.
- B. When local conditions prevent a vertical separation as described above, the following construction shall be used.
 - 1. Sewers passing over or under water mains should be constructed of materials equivalent to water main standards and pressure tested to assure water tightness prior to backfilling.
 - 2. Water mains passing under sewers shall, in addition, be protected by providing:
 - a. A vertical separation of at least 18" between the bottom of the sewer and the top of the water main.

- b. Adequate structural support for the sewer to prevent excessive deflection of joints and settling on and breaking the water mains.
- c. That the length of water pipe be centered at the point of crossing so that the joints will be equidistant and as far as possible from the sewer.

3.03 SEWER FACILITIES

- A. Do not install water mains or sewer facilities, which pass through or contact each other.

END OF SECTION