

## CHAPTER 100

# SPECIFICATIONS FOR SEWER SERVICE LINES

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**100.01 PURPOSE.** This chapter governs the construction of new sewer service lines and the replacement of existing sewer service lines in the City.

**100.02 UTILITY LOCATIONS.** Prior to beginning excavation, the contractor shall notify all utility companies of the location of the excavation work and request field location of their facilities. The contractor shall exercise care in excavating near all utilities or service connections to these utilities. They shall be protected, supported and maintained in service or restored to the condition in which they were found. Where such utilities cannot be replaced so as to occupy their original location, they shall be relocated by the respective utility company with the cooperation and assistance of the contractor. In the case of drain tile or sewers, the contractor shall relocate such facilities under the direction of the City.

**100.03 TRENCH EXCAVATION.** Excavation may be carried on by any reasonable method preferred by the contractor which shall insure systematic progress without danger to the completed work or the private or public property adjacent to the work. Whenever the contractor shall excavate below the grade of the sewer service line, they shall backfill the trench to grade with selected sand tamped in place.

**100.04 SEWER SERVICE TAPS.** All service taps shall be performed by Sewer Department personnel. They shall be located at the ten o'clock or two o'clock position on the circumference of the pipe. No taps shall be made less than twelve inches from a joint and never directly on top of the main. Taps shall be a minimum of twelve inches apart.

**100.05 SERVICE LINES SEWER SADDLE.** On clay tile or P.V.C. sewer mains, the sewer saddle shall be cast iron Genco 4" x 8" Tee saddle (90°) or 4" x 8" Wye saddle (45°) with a Schedule 40 coupling. The Superintendent shall determine which saddle to use. A larger saddle will be needed if the sewer main diameter is larger. A minimum of one 5-gallon bucket of approved mortar mix is to be packed around and underneath the saddle and under the sewer main.

**100.06 SEWER SERVICE PIPES.** Service pipe shall be P.V.C. Schedule 40 or clay tile. The diameter shall be 4-inch. If a larger diameter pipe is needed, it must be approved by the Superintendent before the contractor can proceed with the project. A 6-inch service line shall only be connected to an 8-inch or larger main. A service line of 8-inch diameter or larger shall require a manhole at the connection.

**100.07 SEWER SERVICE CAPS.** Service caps shall be 4-inch Schedule 40, cemented to end of stub-in.

**100.08 INSPECTION.** All material found during the progress of the work to have cracks, flaws or other defects shall be rejected. All defective materials furnished by the contractor shall be promptly removed by the contractor from the site. No connections, replacements or cut-offs shall be covered or backfilled until inspection and approval have been completed. Contractors shall call the Sewer Department for inspection prior to any backfilling in the City right-of-way. Work shall be uncovered for inspection at the order of the Superintendent and shall be in full view from above the ditch, prior to backfilling.

**100.09 BACKFILL MATERIAL.** All backfill material shall be subject to the prior approval of the City. If, in the opinion of the City, the material excavated constituted unsuitable backfill, the contractor shall provide, unless otherwise stated, at the contractor's own expense, acceptable backfill material. No frozen material shall be used for backfilling. All surplus excavated material which is not used in backfilling shall be loaded and disposed of by the contractor at the contractor's own expense.