

SECTION 43

SERVICE LATERALS

43.1 GENERAL

A service lateral is a branch gravity sewer constructed from the main gravity sewer to the right-of-way line or to a point established by the CITY.

The general requirements for construction of gravity sewers in Sections 40 and 41 of these Specifications shall apply for service laterals unless they are inconsistent with the provisions of this section.

Service laterals and fittings shall be six (6) inches in diameter.

43.2 MATERIALS

PIPE, FITTINGS & JOINTS

Pipe, fittings & joints shall be PVC or DI pipe and shall conform to the requirement for gravity sewer construction in Section 40 of these specifications.

Service laterals shall be connected to the wye, provided in the gravity sewer where such is available, utilizing approved fittings or adapters.

On existing mains where no wye is provided or available, connection shall be made by either a machine-made tap and suitable saddle, or a cast-in-place manhole as referenced in Section 20.4.5.

43.3 CONSTRUCTION DETAILS

43.3.1 GENERAL

Service lateral connections shall conform to these specifications and STANDARD DRAWINGS. All necessary approvals for service sewer construction shall be obtained prior to beginning the work.

43.3.2 EXCAVATION AND BACKFILL

Excavation and backfilling for service sewers shall conform to the requirements of Section 32 and 41, excepting that no backfill in excess of that required to hold the pipe in true alignment shall be placed prior to inspection.

43.3.3 PIPE LAYING AND JOINTING

Pipe laying and jointing, except as hereinafter provided, shall in general conform to the requirements of Section 41. During the pipe laying and jointing, the service lateral shall be kept free of any water, dirt or objectionable matter.

43. 3. 4 LINE AND GRADE

Pipe shall be laid with a minimum grade of one (1) foot per one hundred (100) feet. The CONTRACTOR shall establish such alignment and grade control as is necessary to properly install the service sewer. Pipe shall be laid in a straight line at a uniform grade between fittings.

43. 4 **TERMINATION OF SERVICE LATERALS**

Service laterals shall terminate at the right-of-way line in accordance with the STANDARD DRAWINGS. Water-tight factory made plug(s) shall be installed at the end of each service lateral.

43. 5 **INSPECTION**

Service sewers shall meet the inspection requirements specified in Section 40.5.

43. 6 **RESTORATION, FINISHING AND CLEANUP**

The CONTRACTOR shall restore all paved surfaces, curbing, sidewalks or other surfaces to their original condition in such manner as to meet the requirements established in Division III of these specifications. All surplus material and temporary structures, as well as all excess excavation shall be removed and the entire site shall be left in a neat and clean condition.

43. 7 **LOCATION**

The exact location of the termination point of each installed service lateral shall be marked by etching or cutting an "S" in the concrete curb. Where no curb exists, locations shall be adequately marked by a method approved by the CITY.