

DIVISION IV
GRAVITY SEWERS, FORCE MAINS, AND PUMP STATIONS

SECTION 43

SANITARY SEWER LATERALS

43.1 GENERAL

The sanitary sewer 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 building service runs from the right-of-way clean-out to the building.

The general requirements for construction of gravity sewers in Sections 40 and 41 of these Specifications shall apply to laterals unless they are inconsistent with the provisions of this Section. Laterals shall have maximum lengths of seventy five (75) feet and connect to the system along pipe sections, not at manholes, unless otherwise specifically approved by the DIRECTOR.

Laterals and fittings shall be a minimum of six (6) inches for all installations. Services and fittings shall be a minimum of four (4) inches in diameter for residential and six (6) inches in diameter for non-residential installations.

43.2 MATERIALS

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

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

43.3.1 GENERAL

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

43.3.2 EXCAVATION AND BACKFILL

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

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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 services and laterals shall be kept free of any water, dirt, or objectionable matter.

43. 3. 4 LINE AND GRADE

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

43. 4 TERMINATION OF SERVICE LATERALS

Laterals shall terminate just outside the right-of-way line at a maximum depth of four (4) feet below finish grade. Water-tight factory made plug(s) shall be installed at the end of each lateral and service branch. The Contractor shall place a CITY approved four (4) inch in diameter green electronic marker ball or equal at the end of each service when the required clean out is not installed at the time of the construction of the sewer system. See Appendix "C" for the list of approved materials and products.

Cleanouts on the building service branch shall be installed at the time of building construction by the individual site's CONTRACTOR in accordance with the STANDARD DRAWINGS.

43. 5 INSPECTION

Laterals 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. 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 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.