

**SECTION UC-310****GRAVITY SEWER SERVICE LATERALS****PART 1 - GENERAL**

## 1.01 SCOPE

The Contractor shall furnish all labor, material, equipment and appurtenances necessary for the installation of gravity sewer service laterals, complete, in accordance with these specifications.

## 1.02 RELATED SECTIONS

Section 01016 - Safety Requirements and Protection of Property

Section 02315 - Trenching and Backfilling for Piping Systems

Section UC-250 - Gravity Sewer Systems

## 1.03 QUALITY ASSURANCE

- A. Lateral sewers shall be installed in accordance with all the applicable requirements for pipe installation. Branch fittings shall be installed in the main line sewer as it is constructed, in the locations and configuration of the original laterals or as designated by the Engineer.
- B. All excavations shall be executed in accordance with the South Florida Building Codes, OSHA requirements, the State of Florida Trench Safety Act (TSA), the State of Florida Trench Safety Act (TSA) and all applicable requirements of Section 01016, including notification of the Sunshine State One-Call Center (1-800-432-4770), 48 hours prior to any excavation.

**PART 2 - PRODUCTS**

See Part 2 of Section UC-250, "Gravity Sewer Systems" & "Tightness Standards" under Section UC-370.

**PART 3 - EXECUTION**

## 3.01 INSTALLATION OF LATERALS

- A. Service laterals shall be installed in accordance with the requirements for gravity main installation. Branch fittings shall be installed in the main line sewer as it is constructed. The branch fittings shall be either a tee set for a modified riser when the top of the sewer is 7 feet or deeper, or a wye set and connected as shown in the Miami-Dade Water and Sewer Department's Standard Details SS 1.0 and 2.0, respectively. In no case shall the branch be covered until its location has been measured and recorded.
- B. Where a service lateral enters a manhole at an elevation of 2 feet or more above the

sewer main invert, a drop connection shall be required.

- C. Each service lateral shall be plugged at the point shown on the Standard Details. Plug shall provide a watertight seal, without the use of adhesives or epoxies, and shall be subject to approval by the Department. In no case shall a service lateral be covered until its exact location is measured and recorded, nor until a two-inch square by two feet long, pressure-treated pine stake, with the top stained or painted green, has been set by the Contractor at the end of the service lateral.
- D. The Contractor shall not excavate trenches for service laterals to both sides of the street at the same time unless written permission has been secured in advance to close the street.

### 3.02 REMOVAL AND REPLACEMENT OF LATERALS

- A. Excavate in accordance with Section 02315, "Trenching and Backfilling for Piping Systems"
- B. The existing laterals shall be hand excavated to a joint, disassembled, or if necessary saw cut, clean and square and the appropriate adapter installed to connect the replacement lateral. Care shall be taken to maintain the slopes of the existing lateral. The lateral shall be removed and replaced from the main line to a point along the existing lateral determined by the Engineer of Record to be in acceptable condition.
- C. Placement of bedding/cover materials in the trench shall be the same for laterals as provided in Section UC-300, "Gravity Sewers Pipe Foundation".

END OF SECTION