

**CITY OF ROWLETT  
INTERNATIONAL PLUMBING CODE AMENDMENTS  
2021 ED.**

***Section 102.8 Referenced codes and standards, is amended to read as follows:***

**102.8 Referenced codes and standards.** The codes and standards referenced in this code shall be those that are listed in Chapter 15 and such codes, when specifically adopted, and standards shall be considered as part of the requirements of this code to the prescribed extent of each such reference. Where the differences occur between provisions of this code and the referenced standards, the provisions of this code shall be the minimum requirements. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the adopted amendments. Any reference to NFPA 70 shall mean the National Electrical Code as adopted.

***Section 305 Protection against contact, is amended to read as follows:***

**305.1 Protection against contact.** Metallic piping, except for cast iron, ductile iron and galvanized steel, shall not be placed in direct contact with steel framing members, concrete or cinder walls and floors or other masonry. Metallic piping shall not be placed in direct contact with corrosive soil. Where sheathing is used to prevent direct contact, the sheathing shall have a thickness of not less than 0.008 inch (8 mil) (0.203 mm) and the sheathing shall be made of approved material. Where sheathing protects piping that penetrates concrete or masonry walls or floors, the sheathing shall be installed in a manner that allows movement of the piping within the sheathing.

***Section 305.4.1 Sewer depth, is amended to read as follows:***

**305.4.1 Sewer depth.** Building sewers shall be a minimum of 12 inches (304 mm) below grade.

***A new Section 306.2.4 Plastic sewer and DWV piping installation, is hereby added to read as follows:***

**306.2.4 Plastic sewer and DWV piping installation.** Plastic sewer and DWV piping installed underground shall be installed in accordance with the manufacturer's installation instructions. Trench width shall be controlled to not exceed the outside the pipe diameter plus 16 inches or in a trench which has a controlled width equal to the nominal diameter of the diameter of the piping multiplied by 1.25 plus 12 inches. The piping shall be bedded in 4 inches of granular fill and then backfilled compacting the side fill in 6-inch layers on each side of the piping. The compaction shall be to minimum of 85 percent standard proctor density and extend to a minimum of 6 inches above the top of the pipe.

***Section 413.4 Public laundries and central washing facilities, is amended to read as follows:***

**413.4 Required location for floor drains** Floor drains shall be installed in the following areas:

1. In public laundries and in the central washing facilities of multiple family dwellings, the rooms containing automatic clothes washers shall be provided with floor drains located to readily drain the entire floor area. Such drains shall have a minimum outlet of not less than 3 inches (76 mm) in diameter.

2. Commercial kitchens. In lieu of floor drains in commercial kitchens, the Code Official may accept floor sinks.
3. Public restrooms.

**Section 608.17.5 Connections to lawn irrigation systems, is amended to read as follows:**

**608.17.5 Connections to lawn irrigation systems.**

The potable water supply to lawn irrigation systems shall be protected against backflow by an atmospheric-type vacuum breaker, a pressure-type vacuum breaker, a double-check assembly or a reduced pressure principal backflow preventer. A valve shall not be installed downstream from an atmospheric vacuum breaker. Where chemicals are introduced into the system, the potable water supply shall be protected against backflow by a reduced pressure principal backflow preventer.

**Section 701.2 Connection to sewer required, is amended to read as follows:**

**701.2 Connection to sewer required.** Sanitary drainage piping from plumbing fixtures in buildings and sanitary drainage piping systems from all new building(s) and any existing building(s) with a failed On-Site Sewage Facility shall be connected to the City of Rowlett public sewer.

**Section 703.6 is hereby deleted in its entirety.**

**Section 704.5 Single stack fittings is amended to read as follows:**

**704.5 Single stack fittings.** Single stack fittings with internal baffle, PVC schedule 40 or cast-iron single stack shall be designed by a registered engineer and comply to a national recognized standard.

**A new Section 712.4.3 Dual pump system, is hereby added to read as follows:**

**712.4.3 Dual Pump System.** All sumps shall be automatically discharged and, when in any "public use" occupancy where the sump serves more than 10 fixture units, shall be provided with dual pumps or ejectors arranged to function independently in case of overload or mechanical failure. For storm drainage sumps and pumping systems, see Section 1113.

**Section 713.1 Computer drainage design, is amended to read as follows:**

**SECTION 713  
ENGINEERED DRAINAGE DESIGN**

**713.1 Design of drainage system.** The sizing, design and layout of the drainage system shall be permitted to be designed by *approved* design methods.

**713.2 Load on drainage system.** The load shall be computed from the simultaneous or sequential discharge conditions from fixtures, appurtenances and appliances or the peak usage design condition.

**713.2.1 Fixture discharge profiles.** The discharge profiles for flow rates versus time from fixtures and appliances shall be in accordance with the manufacturer's specifications.

**713.3 Selections of drainage pipe sizes.** Pipe shall be sized to prevent full-bore flow.

**713.3.1 Selecting pipe wall roughness.** Pipe size calculations shall be conducted with the pipe wall roughness factor (ks), in accordance with the manufacturer's specifications and as modified for aging roughness factors with deposits and corrosion.

**713.3.2 Slope of horizontal drainage piping.** Horizontal drainage piping shall be designed and installed at slopes in accordance with Table 704.1.

**Section 903.1.1 Roof extension unprotected, is amended to read as follows:**

**903.1.1 Roof extension unprotected.** Open vent pipes that extend through a roof shall terminate not less than six (6) inches (152 mm) above the roof.

**Section 110 Combination sanitary and storm public sewer, is hereby deleted in its entirety.**

**Exceptions 1 and 2 to Section 1202.1 Nonflammable medical gases, are hereby deleted.**