The scope of the standard was changed to now cover vacuum applications but it also eliminated chemical applications. A note was inserted stating, “Material suitability for specific chemical applications shall be determined by a qualified engineer or ascertained from the manufacturer.

A new Section 1.2 was inserted for Units of Measurement

Sections 1.3 Referenced Standards and 1.4 Definitions were modified and updated.

A new Section 1.5 Nonmandatory Appendix A was inserted.

A new Section 2.1 was added stating dimensions shall comply with the Tables 1 through 47 of the standard and thread shall comply with ASME B1.20.1. Also, a new Section 2.2 was inserted that states, “Other patterns of pipe and fittings not specifically found within this standard shall meet the dimensional requirements of Table 1.

Under Section 2.3 Alloys, type 316L can now be used for above ground or where the discharge effluent requires 316L along with below ground applications. See manufacturers’ recommendations for applications. Also a new sentence was inserted that states, “When requested by the purchaser, the fabricator of the pipe and fittings shall furnish certifications from the steel manufacturer that the pipe and fittings were manufactured from Type 304 and Type 316L stainless steel alloy as required by this standard.

In Section 2.4 Welded Fabrication, minor editorial changes were made to the removal of annealing colors from the welding requirements. A new requirement was added that states, “Burrs, edges and irregularities in the welding seam area shall not exceed 0.012 inches.” The old requirement was 0.04 inches.

Under Section 2.5 Straightness of Pipe, the deflection over the length of pipe shall now be measured along the pipe barrel.

The old inner and outer surface requirements of components were combined into the new Section 2.6 Ends of Pipe and Fittings (Spigots).

A new Section 2.7 Cutting and Deburring was added.
Section 2.8 Sockets was expanded to clarify the pipe fittings end requirements. Also a new sentence was inserted that states, “An accessory fitting such as a flow flanges, trench drains, cleanouts and plugs shall have only one spigot for connection to a socket or spigot.”

In Section 2.9 Adaptors, the reference to CSA B602 or equivalent was changed to meet the applicable materials standard for that material.

Under Section 2.11.2, the outlet connections can also be optional threaded or caulk type along with spigot type.

In Section 2.12 the Drain Top Configuration can still be at the option of the manufacturer but the open area shall now meet the requirements of Table 48.

The following new sections were added to the updated standard, 2.17 Internal Sealing Ring (O-Ring), 2.18 Other Gravity and Vacuum Fittings, 2.19 Other Floor Drain Dimensions, 2.20 Cleanout Fitting, 2.21 Stainless Steel, Floor Drain Water Trap, and 2.22 Other Trench Drain Dimensions.

The Impact and Corrosion Resistance Testing was deleted and replaced with new testing requirements for Tensile Strength and Hardness of Pipe and Fittings.

The Watertightness Test and Weld and Joint Test were modified from the old version. A specific test method is now mentioned calling out a lower hydrostatic pressure requirement but now incorporating a time limit the pipe and fitting must hold that pressure.

A new Section 3.6 Vacuum Test was inserted to cover pipe systems in land-based vacuum service, transportation-based vacuum service and siphonic roof drainage systems.

The old Section 4.6 Pressure Test was deleted.

Under Section 4 Markings, the fittings shall now bear the date of manufacture and the pipe shall bear the type of alloy along the continuous length of pipe and Type 304 shall be marked to read “above-ground only”.

Section 5 Installation Practices of the old standard were moved to the new nonmandatory Appendix A in the updated version.

A new Table 1 was inserted to cover the dimensions for outside diameter, socket inside diameter, wall thickness, maximum effective sealing point, minimum insertion depth beyond sealing point, and minimum insertion depth requirements for sizes 1-1/2 to 12 inches.

All the tables for the dimensional requirements of the fittings were modified and updated.