PROPOSED BY THE CITY OF PHILADELPHIA

Background: The City of Philadelphia replaced the Philadelphia Plumbing Code with the 2018 International Plumbing Code, with local changes approved by Pa Department of Labor and Industry, through a bill passed into law on July 24, 2019.

Several errors and omissions have been identified that result in the additional changes contained in this document.

Change No. 1
Section 311 Toilet Facilities for Workers

Previous Approval:
P-311.1 General. Toilet facilities shall be provided for construction workers and such facilities shall be maintained in a sanitary condition. Construction worker toilet facilities of the nonsewer type shall conform to PSAI Z4.3 and Table P-311.1.

Proposed Change:
P-311.1 General. Toilet facilities shall be provided for construction workers and such facilities shall be maintained in a sanitary condition. Construction worker toilet facilities of the nonsewer type shall conform to PSAI Z4.3 and Table P-311.1, provided there shall not be less than one water closet on every three floors. The owner and contractors are responsible to prevent any other places on or about the site from being used for such purposes. Temporary toilets shall only be utilized until such time as the building drain is installed and there is a concrete slab or permanent flooring to accommodate a water closet. It is the responsibility of the General Contractor to assure that construction of the main drain proceeds as rapidly as is reasonably possible.
Change No.2
Section 603 Water Service

Previous Approval:
P-603.2 Separation of water service, water distribution piping and, building sewer, building drains, storm sewer or storm drainage piping. Where water service piping is located in the same trench with the building sewer, such sewer shall be constructed of materials listed in Table 702.2. Where the building sewer piping is not constructed of materials listed in Table 702.2, the water service pipe and the building sewer shall be horizontally separated by not less than 5 feet (1524 mm) of undisturbed or compacted earth. Water distribution piping shall be horizontally separated by not less than 5 feet of undisturbed or compacted earth when it is adjacent to nonmetallic pipe material serving building sewers, building drains, storm sewer or storm drainage piping. The required separation distance shall not apply where a water service pipe crosses a building sewer pipe, building drains, storm sewer or storm drainage piping provided that the water service water distribution piping is at least 12” above such pipe and sleeved to a point not less than 5 feet (1524 mm) horizontally from the building sewer, building drains, storm sewer or storm drainage pipe centerline on both sides of such crossing. The sleeve shall be of pipe materials listed in Table 605.3, 702.2 or 702.3. The required separation distance shall not apply where the bottom of the water service pipe, located within 5 feet (1524 mm) of the sewer, is not less than 12 inches (305 mm) above the highest point of the top of the building sewer, building drains, storm sewer or storm drainage piping.

Proposed Change:
P-603.2 Separation of water distribution piping, building sewer, building drains, storm sewer or storm drainage piping. Water distribution piping shall be horizontally separated by not less than 5 feet of undisturbed or compacted earth when it is adjacent to nonmetallic pipe material serving building sewers, building drains, storm sewer or storm drainage piping. The water distribution pipe shall be separated not less than 12” vertical and 12” horizontal from the outer edge of building sewers, building drains, storm sewers or storm drainage piping where metallic piping is used. The required separation distance shall not apply where a water service distribution pipe crosses a building sewer, building drains, storm sewer or storm drainage piping provided that the water distribution piping is at least 12” above such pipe and sleeved to a point not less than 5 feet (1524 mm) horizontally from the building sewer, building drains, storm sewer or storm drainage pipe centerline on both sides of such crossing. The sleeve shall be of pipe materials listed in Table 605.3, 702.2 or 702.3. The required separation distance shall not apply where the bottom of the water service pipe, located within 5 feet (1524 mm) of the sewer, is not less than 12 inches (305 mm) above the highest point of the top of the building sewer, building drains, storm sewer or storm drainage piping.
Change No. 3  
Section 608 Protection of Potable Water Supply

Previous Approval:
P- 608.1.1 Backflow containment assemblies required. Backflow containment assemblies shall be installed in all buildings.
Exception: Residential buildings with three dwelling units or less.

Proposed Change:
P-608.1.1 Backflow containment assemblies required. Backflow containment assemblies shall be installed in all buildings.
Exception: Residential buildings with three four dwelling units or less.

Change No. 4  
Section 702 Materials

Previous Approval:
Table P-702.2
Cast-iron pipe - ASTM A74; ASTM A888; CISPI 301

Table P-702.3
Cast-iron pipe - ASTM A74; ASTM A888; CISPI 301

Proposed Change:
Table P-702.2
Cast-iron pipe - ASTM A74; CISPI 301

Table P-702.3
Cast-iron pipe - ASTM A74; CISPI 301
Change No.5

SECTION P-717 - PRIVATE SANITARY SEWER INFRASTRUCTURE
(New Section Added)

Previous Approval:
P-717.11 Easement required. Private Sanitary Sewer Infrastructure shall require an easement with a minimum width of 12’ and must provide adequate space to replace/repair the private services. Minimum vertical drive height clearance of 13’-6” or 2x pipe depth to pipe bottom, whichever is greater, shall be provided. No permanent structures shall be built over or in the easement unless these vertical height clearances are met.

Proposed Change:
P-717.11 Easement required. Private Sanitary Sewer Infrastructure shall require an easement with a minimum width of 12’ and must provide adequate space to replace/repair the private services. Minimum vertical drive height clearance of 13’-6” or 2x pipe depth to pipe bottom, whichever is greater, shall be provided. No permanent structures shall be built over or in the easement unless these vertical height clearances are met.

Change No.6

SECTION P-919 - PHILADELPHIA SINGLE-STACK WASTE & VENT SYSTEM

Previous Approval:
P-919.1 Scope: The City of Philadelphia has the oldest known model plumbing code in the country dating back to June 30, 1885. Since the inception of the Philadelphia Plumbing Code, one of the main characteristics and theories has been the single stack method of waste and vent. This code and the single stack theory has stood the test of time and continues today to be a model code copied by many other codes as a base line. Every building and structure in the City of Philadelphia as of this writing has been built incorporating this methodology of the single stack theory. This section is intended to be used as an option for any modification or rebuilding of any of these existing structures, homes or buildings or any planned new construction in the future.

Proposed Change:
P-919.1 Scope: The City of Philadelphia has the oldest known model plumbing code in the country dating back to June 30, 1885. Since the inception of the Philadelphia Plumbing Code, one of the main characteristics and theories has been the single stack method of waste and vent. This code and the single stack theory has stood the test of time and continues today to be a model code copied by many other codes as a base line. Every building and structure in the City of Philadelphia as of this writing has been built incorporating this methodology of the single stack theory. This section is intended to be used as an option for any modification or rebuilding of any of these existing structures, homes or buildings or any planned new construction in the future. Systems utilizing this section shall not be permitted to incorporate any other methods of design contained in other sections of this chapter.
Change No. 7
Section 1102 Materials

Previous Approval:
*TABLE P-1102.4 BUILDING STORM SEWER PIPE* - eliminate ASTM A88 for cast iron pipe

Proposed Change:
Table P-1102.4 eliminate CISPI 301 for cast iron pipe

Change No. 8
SECTION P-1115 PRIVATE STORM SEWER INFRASTRUCTURE
(New Section Added)

Previous Approval:
P-1115.11 Easement required. Private Storm Sewer shall require an easement with a minimum width of 12’ and must provide adequate space to replace/repair the private services. Minimum vertical drive height clearance of 13'-6” or 2x pipe depth to pipe bottom, whichever is greater, shall be provided. No permanent structures shall be built over or in the easement unless these vertical height clearances are met.

Proposed Change:
P-1115.11 Easement required. Private Storm Sewer shall require an easement with a minimum width of 12’ and must provide adequate space to replace/repair the private services. Minimum vertical drive height clearance of 13'-6” or 2x pipe depth to pipe bottom, whichever is greater, shall be provided. No permanent structures shall be built over or in the easement unless these vertical height clearances are met.