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CHAPTER 156

PLUMBING CODE

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156.01 PLUMBING CODE ADOPTED. Except as hereinafter added to, deleted, modified or amended, there is hereby adopted as the Plumbing Code of the City that certain Plumbing Code known as the *International Plumbing Code*, 2018~~*2015*~~ *Edition*, as prepared and edited by the International Code Council, which code is hereby specifically incorporated by reference and shall be known as the Hiawatha Plumbing Code. The provisions of said Plumbing Code shall be controlling in the erection, installation, alterations, additions, repair, relocation, replacements, maintenance or use of any plumbing system within the corporate limits of the City.

156.02 AMENDMENTS TO THE PLUMBING CODE. Certain sections and portions of sections of the *International Plumbing Code,* are hereby amended, deleted, modified or added to as more specifically set forth in the following sections of this chapter.

156.03 CONFLICTS. If conflicts arise in requirements with regards to specifications of materials or methods between portions of this code, between this code and other local codes or between this code and applicable State or Federal requirements, the more stringent shall apply.

156.04 INTERNATIONAL FUEL GAS CODE. The Hiawatha Plumbing Code is hereby amended by adding a new Section 101.2.2 to the *International Plumbing Code* as follows:

101.2.2 The *International Fuel Gas Code, 2018~~2015~~ Edition*, as further amended is hereby adopted and shall be considered as part of this code.

156.05 STATE~~UNIFORM~~ PLUMBING CODE. The Hiawatha Plumbing Code is hereby amended by adding a new Section 105.2.2 to the *International Plumbing Code* as follows:

105.2.2 The most recent version of the *Iowa ~~Uniform~~State Plumbing Code, ~~2015 Edition,~~* is hereby approved as an equivalent method for complete plumbing systems.

~~Use of the Uniform Plumbing Code is only for design professionals.~~

Exception: 1. Administrative regulations shall be as provided in the *International Plumbing Code,* as amended in this Chapter.

156.06 PERMIT & FEES REQUIRED. The Hiawatha Plumbing Code is hereby amended by repealing Section 106.6.2 of the International Plumbing Code, and replacing said section with a new Section 106.6.2 as follows:

106.6.2 The fees for all plumbing work shall be as set forth in Table 1-A as adopted by resolution of the Hiawatha City Council.

156.07 FEE REFUNDS. The Hiawatha Plumbing Code is hereby amended by deleting the words "[SPECIFY PERCENTAGE]" from Section 106.6.3 (2.) and (3.) of the *International Plumbing Code,* and replacing said words with "80 percent".

156.08 VIOLATION. The Hiawatha Plumbing Code is hereby amended by adding a new Section 108.1.1 to the *International Plumbing Code*, as follows:

108.1.1 Penalties. Specifics of information for Section 108, Violations, shall be as set forth in City of Hiawatha Code of Ordinances Chapter 4.

156.09 BOARD OF APPEALS. Any appeals arising from any act of the administrative authority in the determination of the suitability of alternate materials and methods of installation or construction and provide reasonable interpretations, and of variances from the Hiawatha Plumbing Code shall be heard by the Board of Appeals (hereinafter "Board") as set forth in Chapter 159 of this Code of Ordinances.

156.10 INSPECTION AND TESTING OF BACKFLOW PREVENTION ASSEMBLIES. The Hiawatha Plumbing Code is hereby amended by repealing Section 312.10 of the *International Plumbing Code* and replacing said section with a new section 312.10, as follows:

312.10 Inspection and testing of backflow prevention assemblies. Registration, inspection and testing of backflow prevention assemblies shall be in accordance with the Hiawatha Water Board Rules and Regulations Section 11 b.

156.11 DRINKING FOUNTAIN SUBSTITUTION. The Hiawatha Plumbing Code is hereby amended by repealing Section 410.4 of the *International Plumbing Code* and replacing said section with a new section 410.4, as follows:

> 410.4 Substitution. Where restaurants provide drinking water in a container free of charge, drinking fountains shall not be required in those restaurants. In other occupancies where drinking fountains are required, water dispensers shall be permitted to be substituted for the required number of drinking fountains.

156.12 SIZE OF METER AND BUILDING SUPPLY PIPE. The Hiawatha Plumbing Code is hereby amended by repealing Section 603.1 of the *International Plumbing Code*, and replacing said section with a new section 603.1, as follows:

> 603.1 Size of Meter and Building Pipe. No building supply pipe shall be less than one inch (25. mm) in diameter.
>
> 603.1.1 Remote Reader Conduit. All buildings using City water shall have installed a hard metal conduit starting within 12 inches of the water meter inside location. The conduit shall not have 90 degree right angle fittings. All bends must be sweeping to let wire feed through easily. All commercial, industrial and apartments over dwelling units shall install 3/4-inch conduit. All residential buildings dwelling units and less including single family homes shall have 1/2-inch conduit installed. The conduit shall end in a location with the other utility metering devices and be flush with the outside of the building.
>
> 603.1.2 Meter Clearances. There shall be suitable place for the meter, so as to keep it dry and clean with ready access at all times, and with a minimum clear work space of 30 inches deep by six feet high. All valves and fittings necessary to provide connection to meter shall be provided by the owner.
>
> 603.1.3 Protection of Meters and Equipment. No one shall in any way interfere with the proper registration of a water meter, and no one except an authorized employee of the Water Department shall break the seal of a meter, except the Water Department may grant written permits to plumbers in case of emergency to break such seal for draining pipes or stopping water leaks.
>
> 603.1.4 All water meters must be installed prior to requesting final inspections.
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> 603.1.5 All water service lines on commercial buildings shall be protected with a listed RPZ backflow preventer.
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> 603.1.6 All water service lines shall be single piece and without joints where located under a building.

~~**156.13 WATER SERVICE PIPE.** The Hiawatha Plumbing Code is hereby amended by repealing Table 605.3 of the *International Plumbing Code* and replacing said table with a new table 605.3, as follows:~~

~~TABLE 605.3~~

~~WATER SERVICE PIPE~~

~~MATERIAL~~	~~STANDARD~~
~~Brass Pipe~~	~~ASTM B43~~
~~Copper of Copper-alloy tubing (Type K, WK, L, WL M or WM)~~	~~ASTM B75, B88, B251 and B447~~
~~Cross-linked polyethylene (PEX) plastic pipe and tubing~~	~~ASTM F876 and F877, AWWA C904, CSA B137.5~~
~~Cross-linked polyethylene/aluminum/cross-linked (PEX-AL-PEX)~~	~~ASTM F1281 and F2262, CSA B137.10~~
~~Cross-linked polyethylene/aluminum/high-density (PEX-AL-HDPE)~~	~~ASTM F1986~~
~~Ductile iron water pipe~~	~~AWWA C151/A21.51, AWWA C115/A21.15, Class 52~~
~~Polyethylene (PE) plastic pipe~~	~~ASTM D2239 and D3035, AWWA C901, CSA B137.11~~
~~Polyethylene (PE) plastic tubing~~	~~ASTM D2737, AWWA C901, CSA B137.1~~
~~Polyvinyl chloride (PVC) plastic pipe~~	~~ASTM D1785, D2241, D2672, CSA B137.3, AWWA C900 and C905~~
~~Stainless Steel pipe (Type 304/304L)~~	~~ASTM A312, ASTM A778~~
~~Stainless Steel pipe (Type 316/316L)~~	~~ASTM A312, ASTM A778~~

156.134 CROSS CONNECTION CONTROL. The Hiawatha Plumbing Code is hereby amended by adding a new Section 608.1.1 to the *International Plumbing Code*, as follows:

> 608.1.1 All backflow prevention assemblies connected to the Hiawatha water system shall be registered, tested and inspected in accordance with the Hiawatha Water Department Rules and Regulations Section 11b, as authorized by Hiawatha City Council.

156.14 **Water Service Protection.** The Hiawatha Plumbing Code is hereby amended by replacing Section 608.5 of the International Plumbing Code as follows:

608.5 Water Service Protection: Water service piping shall be protected in accordance with Section 603 as adopted and amended herein.

156.15 EXCEPTION (BACKWATER VALVE). The Hiawatha Plumbing Code is hereby amended by adding a new exception to Section 714.1~~715.1~~ of the *International Plumbing Code*, as follows:

EXCEPTION: The requirements of this Section shall apply only when it is determined necessary by the City Engineer based on local conditions.

156.16 FROST CLOSURE. The Hiawatha Plumbing Code is hereby amended by deleting Section 903.2 from the *International Plumbing Code*, and inserting in lieu thereof the following:

903.2 Frost Closure. Where the 97.5-percent value for outside design temperature is 0°F or less, every vent extension through a roof or wall shall be not less than 3 inches in diameter. Any increase in the size of the vent shall be made inside the structure at a point not less than 1 foot below the roof or inside the wall.

156.17 SAND INTERCEPTOR REQUIREMENTS. The Hiawatha Plumbing Code is hereby amended by adding the following new section 1003.5.1 to the International Plumbing Code as follows:

1003.5.1 A sand interceptor shall be required in all enclosed buildings which have doors which could allow driving, storing or loading a vehicle inside of a building and wherein a floor drain is provided.

156.18 DRAINAGE DISCHARGES. The Hiawatha Plumbing Code is amended by adding Section 1113.2 to the International Plumbing Code as follows.

1113.2 Sub-soil foundation drains shall also discharge in accordance with Hiawatha Code Section 97.02

156.19~~8~~ SUBSURFACE LANDSCAPE IRRIGATION SYSTEMS. The Hiawatha Plumbing Code is hereby amended by deleting Section 1401.1 from the *International Plumbing Code*, and inserting in lieu thereof the following:

1401.1 Scope. The provisions of Chapter 14 shall be optional and for information only of the materials, design, construction and installation of subsurface landscape irrigations systems connected to nonpotable water from on-site water reuse systems.

156.20~~19~~ CODE ON FILE. An official copy of the Hiawatha Plumbing Code hereby adopted, including a certificate by the Clerk as to its adoption and the effective date thereof, is on file in the office of the Clerk in City Hall and shall be kept there on file, and copies shall be available for public inspection. The Community Development Department shall furnish a copy of this Plumbing Code hereby adopted to the Hiawatha Public library.

(Chapter 156 - Ord. 826 – Apr. 15 Supp.)