

ORDINANCE NO. ORD-2019-27

AN ORDINANCE TO REPEAL THE 2015 INTERNATIONAL PLUMBING CODE, AS PROMULGATED BY THE INTERNATIONAL CODE COUNCIL, WITH LOCAL AMENDMENTS ADOPTED BY THE BOARD OF COUNTY COMMISSIONERS OF WASHINGTON COUNTY, MARYLAND AS THE PLUMBING CODE OF WASHINGTON COUNTY, MARYLAND ON DECEMBER 15, 2015, EFFECTIVE MARCH 1, 2016, AND TO ENACT THE *INTERNATIONAL PLUMBING CODE, 2018 EDITION*, AS PROMULGATED BY THE INTERNATIONAL CODE COUNCIL, WITH LOCAL AMENDMENTS FOR WASHINGTON COUNTY, MARYLAND

RECITALS

The Board of County Commissioners of Washington County, Maryland, being concerned with securing the proper installation of systems for furnishing potable water for sanitary sewage disposal and storm drainage, and to ensure public safety, health, and welfare insofar as they are affected by regulating and controlling the design, construction, quality of materials, installation, alteration, repair, location, relocation, replacement, addition to use, or maintenance of plumbing systems, adopted by Ordinance No. ORD-2015-29, the 2015 International Plumbing Code with local amendments on December 15, 2015, effective March 1, 2016.

It has been recommended that the Board of County Commissioners adopt the *International Plumbing Code, 2018 Edition*, as promulgated by the International Code Council, which is more up-to-date and which provides greater safeguards for residents of Washington County, Maryland, if implemented.

A public hearing was held on December 3, 2019 following due notice and advertisement of the text of the *International Plumbing Code, 2018 Edition*, as promulgated by the International Code Council, with certain requested insertions, deletions, and amendments.

Public comment was received, reviewed, and considered concerning the repeal of the 2015 International Plumbing Code, as promulgated with the International Code Council, with local amendments and the adoption of the *International Plumbing Code, 2018 Edition*, as promulgated by the International Code Council, including Chapters 1 through 15, Appendices B, C, D, and E, and local amendments.

NOW, THEREFORE, be it ordained and enacted that the 2015 International Plumbing Code, as promulgated by the International Code Council, with local amendments, adopted as the Plumbing Code of Washington County, Maryland on December 15, 2015, effective March 1, 2016 (ORD-2015-29), and all other ordinances or parts of ordinances in conflict herewith are repealed; and

NOW, THEREFORE, be it ordained and enacted that the *International Plumbing Code*, 2018 Edition, as promulgated by the International Code Council, the contents of which are incorporated herein by reference, is enacted with the following insertions, deletions, and amendments:

The following sections, tables, and appendix are hereby deleted, amended, or added:

Section 101.1	Amended	Section 312.2	Amended
Section 101.1.1	Added	Section 312.2.1	Added
Section 101.1.2	Added	Section 312.2.2	Added
Section 101.1.3	Added	Section 401.3.1	Added
Section 101.1.4	Added	Section 403.1	Amended
Section 101.1.5	Added	Section 404.1	Amended
Section 101.1.6	Added	Section 418.3	Added
Section 101.1.7	Added	Section 603.1	Amended
Section 101.1.8	Added	Table 605.3	Amended
Section 103.1	Amended	Table 605.4	Amended
Section 103.1.1	Added	Section 608.12	Added
Section 103.3	Amended	Section 608.14.10	Added
Section 106.2	Amended	Section 608.15	Amended
Section 106.3	Amended	Section 701.2	Amended
Section 106.3.1.1	Added	Table 702.1	Amended
Section 106.6.2	Amended	Table 702.2	Amended
Section 106.6.3	Deleted	Table 702.3	Amended
Section 107.2.2.1	Added	Table 702.4	Amended
Section 107.2.3.1	Added	Table 706.3	Amended
Section 108.4	Amended	Section 708.1.10.3	Added
Section 108.4.1	Added	Section 802.4.1	Amended
Section 108.5	Amended	Section 903.1	Amended
Section 109.1	Amended	Section 904.1	Amended
Section 109.2 - 109.6.2	Deleted	Section 905.1	Amended
Section 301.4.1	Added	Section 918.1	Amended
Section 305.4	Amended	Sections 918.2 - 918.8	Deleted
Section 305.4.1	Amended	Chapter 16	Added
Section 306.3	Amended	Appendix A	Deleted
Section 309.1	Amended	Appendices B, C, D, and E	Adopted
Section 309.2-309.3	Deleted		

CHAPTER 1 – ADMINISTRATION – is amended as follows:

SECTION 101 – GENERAL – is amended as follows:

Section 101.1 is amended and shall read as follows:

101.1 Title. These regulations shall be known as the Plumbing Code of Washington County, Maryland, hereinafter referred to as "this code."

Section 101.1.1 is added and shall read as follows:

101.1.1 International Building Code. Any reference to the *International Building Code* shall mean the *International Building Code*, 2018 Edition, as promulgated by the International Code Council, as may be amended or restated from time to time, with local amendments for Washington County, Maryland adopted on December 3, 2019, effective March 1, 2020, by the Board of County Commissioners of Washington County, Maryland as part of the Maryland Building Performance Standards.

Section 101.1.2 is added and shall read as follows:

101.1.2 International Residential Code. Any reference to the *International Residential Code* shall mean the *International Residential Code*, 2018 Edition, as promulgated by the International Code Council, as may be amended or restated from time to time, with local amendments for Washington County, Maryland, as adopted on December 3, 2019, effective March 1, 2020, by the Board of County Commissioners of Washington County, Maryland as part of the Maryland Building Performance Standards.

Section 101.1.3 is added and shall read as follows:

101.1.3 International Existing Building Code. Any reference to the *International Existing Building Code*, shall mean the *International Existing Building Code*, 2018 Edition, as promulgated by the International Code Council, as may be amended or restated from time to time, with local amendments for Washington County, Maryland, as adopted on December 3, 2019, effective March 1, 2020, by the Board of County Commissioners of Washington County, Maryland.

Section 101.1.4 is added and shall read as follows:

101.1.4 International Energy Conservation Code. Any reference to the *International Energy Conservation Code* shall mean the *International Energy Conservation Code*, 2018 Edition, as promulgated by the International Code Council, as may be amended or restated from time to time, with local amendments for Washington County, Maryland, adopted on December 3, 2019, effective March 1, 2020, by the Board of County Commissioners of Washington County, Maryland as part of the Maryland Building Performance Standards.

Section 101.1.5 is added and shall read as follows:

101.1.5 International Fire Code. Any reference to *International Fire Code* in this code shall mean the *Maryland State Fire Prevention Code* (COMAR 29.06.01), as may be amended or restated from time to time.

Section 101.1.6 is added and shall read as follows:

101.1.6 ICC Electrical Code. For the applicable electrical requirements, refer to the *NFPA 70: National Electrical Code*, 2017 Edition, as may be amended or restated from time to time, with local amendments for Washington County, Maryland, adopted by the Board of County Commissioners of Washington County, Maryland on December 3, 2019, effective March 1, 2020, and the 2006 *ICC Electrical Code - Administrative Provisions*, First Printing, as may amended or restated from time to time, with local amendments for Washington County, Maryland, adopted on December 18, 2007, effective July 1, 2008, and amended on December 3, 2019, effective March 1, 2020.

Section 101.1.7 is added and shall read as follows:

101.1.7 International Fuel Gas Code. Any reference to *International Fuel Gas Code* in this code shall mean the *International Fuel Gas Code*, 2018 Edition, as may be amended or restated from time to time, as promulgated by the International Code Council, with local amendments for Washington County, adopted by the Board of County Commissioners of Washington County, Maryland on December 3, 2019, effective March 1, 2020.

Section 101.1.8 is added and shall read as follows:

101.1.8 International Mechanical Code. Any reference to *International Mechanical Code* in this code shall mean the *International Mechanical Code*, 2018 Edition, as promulgated by the International Code Council, as may be amended or restated from time to time, with local amendments for Washington County, adopted by the Board of County Commissioners of Washington County, Maryland on December 3, 2019, effective March 1, 2020.

SECTION 103 is amended to read: DIVISION OF CONSTRUCTION

Section 103.1 is amended to read as follows:

103.1 General. The Director of the Washington County Division of Construction shall be known as the Code Official and the Chief Plans Examiner of the Division of Construction shall be known as Deputy Code Official and is hereby authorized and directed to administer and enforce all provisions of this code. The Code Official and Deputy Code Officials shall be referred to singularly or collectively as the Code Official.

Section 103.1.1 is added and shall read as follows:

103.1.1 Qualifications. Plumbing Inspectors hired by the County or State government after October 1, 1988 shall meet the minimum standards established by the County and the State Plumbing Board.

A. Applicant(s) for Inspector(s) III shall hold a Master Plumber's license issued by the State of Maryland or the applicant shall be a licensed professional mechanical engineer with at least four (4) years' experience and shall pass a written examination administered by the State Board.

B. Plumbing Inspector(s) shall attend annually at least one refresher course to be conducted by the State Board, or a course which is consistent in content with the State Board.

C. Plumbing Inspector(s) shall not be engaged or financially interested in any plumbing business, directly or indirectly, during their term of employment.

Section 103.3 is amended to read as follows:

103.3 Deputies. Plumbing Inspector(s) shall be hired by the Board of County Commissioners of Washington County, upon recommendation by the Director of the Division of Construction.

SECTION 106-PERMITS –is amended as follows:

Section 106.2 is amended as follows:

106.2 Exempt work is amended by adding No. 3 which shall read as follows:

3. Replacement of a single fixture only to include garbage disposal, dish washer, lavatory, or sink. However, if any of these exceptions (fixtures) are included as part of remodeling or in conjunction with any other plumbing work, these fixtures shall be permitted and inspected.

Section 106.3 is amended to read as follows:

106.3 Application for permit; by whom application is made. Each application for a permit, with the required fee, shall be filed with the Code Official on a form furnished for that purpose and shall contain a general description of the proposed work and its location. The permit application shall indicate the proposed occupancy of all parts of the building and of that portion of the site or lot, if any, not covered by the building or structure and shall contain such other information required by the Code Official. Application for a permit shall be made by a person, or an agent, to install all or part of any plumbing system. The applicant shall meet all qualifications established by rules promulgated with this code or by ordinance, resolution, or statute. The full names and addresses of the owner, lessee, applicant, and of the responsible officers, if the owner or lessee is a corporate body, shall be stated in the application. The application must be signed by the Master Plumber holding a Washington County plumbing license and doing the work. The only exception would be when the homeowner successfully passes a written or oral exam issued by the Washington County Department of Permitting. Upon successfully passing the exam, the property owner shall sign a release agreement stating his or her intention to do the plumbing in his or her existing place of residence according to the Washington County homeowner provision and releasing the County from any liability therefrom. Homeowner provisions do not apply to applications for public or private water and sewer systems and mobile homes or gas lines. Permits shall not be processed until it is completely filled out by the licensed contractor or homeowner.

Section 106.3.1.1 is added and shall read as follows:

106.3.1.1 Emergency situation. Where equipment replacement and repairs must be performed in an emergency situation, the permit application shall be submitted to the Code Official within the next working business day.

Section 106.6.2 is amended to read as follows:

106.6.2 Fee schedule. The fees for all plumbing work shall be paid in accordance with the schedule as established by the Board of County Commissioners of Washington County, Maryland, as may be amended from time to time.

Section 106.6.3 is deleted in its entirety.

SECTION 107-INSPECTIONS AND TESTING -is amended as follows:

Section 107.2.2.1 is added and shall read as follows:

107.2.2.1 Responsibility. The responsibility for requesting an inspection shall rest entirely with the licensed master plumber, master well driller, on-site utility contractor, or appliance, pump, and water conditioner installer who applied for the permit, or the homeowner who has successfully passed the homeowner's examination. No work shall be covered or concealed until the work has been inspected and approved. Improper workmanship shall be remedied, and unsatisfactory materials shall be replaced as ordered by the inspector, and the corrections shall be re-inspected. All requests for inspections shall be made 24 hours in advance of the date requested. All requests for final inspections shall be made within 48 hours after completion of all plumbing by the licensed contractor. Should the contractor fail to do so, the homeowner may call for the final inspection.

Section 107.2.3.1 is added and shall read as follows:

107.2.3.1 Final Inspections. All work must be inspected and receive final approval after all plumbing fixtures and appliances connected with the water or sewer systems are set, sewers and wells are covered, and domestic hot water must be supplied at the time of inspection. All commercial facilities shall mark different types of piping within the structure and tag all valves. A directory of the system in all commercial facilities shall be placed in the mechanical room.

SECTION 108 -VIOLATIONS – is amended as follows:

Section 108.4 is amended to read as follows:

108.4 Criminal penalties. Any person, firm, corporation or entity that violates a provision of this code or shall fail to comply with any of the requirements thereof or that erects, installs, alters, or repairs plumbing work in violation of the approved construction documents or directive of the Code Official, or of a permit or certificate issued under the provision of this code, shall be guilty of a misdemeanor, punishable by a fine of not more than \$1,000.00 or by imprisonment not exceeding one year, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section 108.4.1 is added and shall read as follows:

108.4.1 Civil penalties. Any person, firm, corporation, or entity that violates a provision of this code or fails to comply with any of the requirements there of or that erects, constructs, alters, or repairs a building or structure in violation of the approved construction documents or directive of the Code Official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a civil offense which shall be prosecuted in accordance with Maryland Code, Local Government Article, § 6-102, et seq. The penalty for a civil offense shall be established by resolution by the Board of County Commissioners of

Washington County, Maryland. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section 108.5 is amended to read as follows:

108.5 Stop work orders. Upon notice from the Code Official, work on any plumbing system that is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the Code Official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than \$250.00 or more than \$1,000.00.

SECTION 109- MEANS OF APPEAL - is amended as follows:

Section 109.1 is amended to read as follows:

109.1 Application for appeal. Any person shall have the right to appeal a decision of the Code Official to the Washington County Plumbing/Mechanical Board. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted there under have been incorrectly interpreted, the provisions of this code do not fully apply, or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the Code Official within twenty (20) days after the notice was served. All appeals shall be heard in accordance with the rules, regulations, and procedures adopted by the Plumbing/Mechanical Board.

Sections 109.2 through 109.6.2 are deleted in their entirety.

CHAPTER 3 – GENERAL REGULATIONS – is amended as follows:

SECTION 301 – GENERAL – is amended as follows:

Section 301.4.1 is added and shall read as follows:

301.4.1 Public Systems Available. A public water main or public sewer system shall be considered available to a building when the building is located within 350 feet of the public water main or sewer.

SECTION 305 – PROTECTION OF PIPES AND PLUMBING SYSTEM COMPONENTS is amended to read as follows:

Section 305.4 is amended to read as follows:

305.4 Water line depth. Water service and well line piping shall be installed below recorded frost penetration but not less than 3 feet (915 mm) below grade. In climates with freezing temperatures, plumbing piping in exterior building walls or areas subjected to freezing temperatures shall be protected against freezing by insulation or heat or both. 10 AWG, blue in color, tracer wire needs to be installed with all nonmetallic water mains (MD COMAR 09-20-01)

Section 305.4.1 is amended to read as follows:

305.4.1 Sewer and Storm Sewer Depth. Building sewer connections shall be a minimum of 12 inches below the finished grade. All nonmetallic sewer mains, forced mains, and storm pipe will need tracer wire in ditch 10 AWG, green in color (MD COMAR 09-20-01)

SECTION 306 – TRENCHING, EXCAVATION AND BACKFILL – is amended as follows:

Section 306.3 is amended to read as follows:

306.3 Backfilling. Backfill shall be free from discarded construction material and debris.

- (a) Backfill of water lines not in a sleeve shall be as follows:
Stone dust or sand a minimum of 3 inches under, over, and along sides of pipe, then dirt free of rocks larger than 6 inches in diameter.
- (b) Backfill of water lines installed in a rigid conduit that meets the specification of Table 605.3 water service pipe shall be as follows:
6 inches of dirt over, under, and along sides of pipe free of rocks larger than 2 inches in diameter, then dirt free of rocks larger than 6 inches in diameter.
- (c) Backfill of sewer lines shall be as follows:
Gravel bedding a minimum of 4 inches over, under, and along sides of pipe that is free of rocks larger than 1½ inches in diameter, then dirt free of rocks larger than 6 inches in diameter.

SECTION 309 – FLOOD HAZARD RESISTANCE – is amended as follows:

Section 309.1 is amended and shall read as follows:

309.1 General. Plumbing systems and equipment in structures erected in areas prone to flooding shall be constructed in accordance with the requirements of this section and the Washington County Floodplain Management Ordinance adopted by the Board of County Commissioners of Washington County, Maryland on May 16, 2017, effective August 15, 2017, and in accordance with the American Society of Civil Engineers (ASCE-24-98).

Sections 309.2 through 309.3 are deleted in their entirety.

SECTION 312 -TESTS AND INSPECTIONS -is amended as follows:

Section 312.2 is amended by adding the following Exception:

312.2 Drainage and vent water test.

Exception:

1. Existing single-family dwelling renovations, additions, and/or pipe replacement will not require a drainage and vent water test.

Section 312.2.1 is added and shall read as follows:

312.2.1 Testing. Testing shall terminate a minimum of two (2) feet below the roof line. Testing can be achieved by 10 foot water column or 5 PSI air test for 15 minutes.

Section 312.2.2 is added and shall read as follows:

312.2.2 Trenchless installation. Any trenchless installation of water and sewer lines shall be tested or certified.

CHAPTER 4 – FIXTURES, FAUCETS AND FIXTURE FITTINGS – is amended as follows:

SECTION 401 -GENERAL – is amended as follows:

Section 401.3.1 is added and shall read as follows:

401.3.1 Lavatory faucets. Lavatory faucets shall be designed and manufactured according to ASME A112.18.1.

- (1) Public faucets, other than the metering type, shall be designed and manufactured according to ASME A112.18.1.
- (2) Self-closing or self-closing/metering faucets shall be installed on lavatories intended to serve the transient public, such as those in, but not limited to, service stations, train stations, airport terminals, restaurants, and convention halls. Metering faucets shall deliver not more than 0.25 gallons of water per use when tested in accordance with ASME A112.18.1. Self-closing faucets shall be designed and manufactured so that they will not exceed a water flow rate of 0.5 gallons per minute when tested in accordance with A112.18.1.

SECTION 403 – MINIMUM PLUMBING FACILITIES – is amended as follows:

Section 403.1 is amended by adding the following Exception:

403.1 Minimum number of fixtures.

Exception:

1. Where approved by the Code Official, the actual number of occupants for whom each occupancy space, floor, or building is designed, although less than those determined by calculation, may be used in the determination of the minimum number of plumbing fixtures.

SECTION 404 – ACCESSIBLE PLUMBING FACILITIES – is amended as follows:

Section 404.1 is amended and shall read as follows:

404.1 Where required. Accessible plumbing fixtures shall conform to COMAR 05.02.02 Maryland Accessibility Code.

SECTION 418 – LAUNDRY TRAYS – is amended as follows:

Section 418.3 is added and shall read as follows:

418.3 Service Sinks and Mop Receptors. Service sinks and mop receptors shall be installed with walls and floors that are water proof and have a smooth, readily cleanable surface at least one foot in front of the sink or receptor, at least one foot on each side, and up to a point one foot above the faucet height.

CHAPTER 6 – WATER SUPPLY AND DISTRIBUTION – is amended as follows:

SECTION 603 – WATER SERVICE – is amended as follows:

Section 603.1 is amended to read as follows:

603.1 Size of Water Service Pipe. All water service pipe, including new or replacement, shall be sized to supply water to the structure in the quantities and at the pressures required in this code. All water service pipe, including new or replacement, shall not be less than 1 inch in diameter.

Section 603.2 is amended by adding the following Exception:

603.2 Separation of water service and building sewer.

Exception:

1. 2 inch and larger water mains are not required to be sleeved in common trench with building sewer only.

SECTION 605 – MATERIALS, JOINTS, AND CONNECTIONS – is amended as follows:

Table 605.3 is amended by deleting L, WL, M or WM under "Copper or copper-alloy tubing:"

An amended Table 605.3 is shown below:

**Table 605.3
WATER SERVICE PIPE**

MATERIAL	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe	ASTM D 1527; ASTM D 2282
Asbestos-cement pipe	ASTM C 296
Brass pipe	ASTM B 43
Copper or copper-alloy pipe	ASTM B 42; ASTM B 302
Copper or copper-alloy tubing (Type K, WK)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 447
Chlorinated polyvinyl chloride (CPVC) plastic pipe	ASTM D 2846; ASTM F 441; ASTM F 442; CSA B137.6
Ductile iron water pipe	AWWA C151; AWWA C115
Galvanized steel pipe	ASTM A 53
Polybutylene (PB) plastic pipe and tubing	ASTM D 2662; ASTM D 2666; ASTM D 3308; CSA B137.8
Polybutylene (PE) plastic pipe	ASTM D 2239; CSA CAN/CSA-B137.1
Polyethylene (PE) plastic tubing	ASTM D 2737; CSA B137.1
Cross-linked polyethylene (PEX) plastic tubing	ASTM 876; ASTM F 877; CSA CAN/CSA-B137.5
Cross-linked polyethylene/Aluminum/cross linked polyethylene (PEX-AL-PEX) pipe	ASTM F 1281; CSA CAN/CSA B137.10
Polyethylene/aluminum/polyethylene (PE-AL-PE) pipe	ASTM F 1282; CSA CAN/CSA B 137.9
Polyvinyl chloride (PVC) plastic pipe	ASTM D 1785; ASTM D 2241; ASTM D 2672; CSA CAN/CSA B137.3

Table 605.4 is amended by deleting WL, M, or WM, under "Copper or copper-alloy tubing:"

An amended Table 605.4 is shown below:

**Table P-605.4
WATER DISTRIBUTION PIPE**

MATERIAL	STANDARD
Brass Pipe	ASTM B 43
Chlorinated polyvinyl chloride (CPVC) plastic pipe and tubing	ASTM D 2846; ASTM F 441; ASTM F 442; CSA B137.6
Copper or copper-alloy pipe	ASTM B 42; ASTM B 302
Copper or copper-alloy tubing (Type K, WK or L)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 447
Cross-linked polyethylene (PEX) plastic tubing	ASTM F 887; CSA CAN/CSA-B137.5
Cross-linked polyethylene/aluminum/cross-linked polyethylene (PEX-AL-PEX) pipe	ASTM F 1281; CSA CAN/CSA-B137.10
Galvanized steel pipe	ASTM A 53
Polybutylene (PB) plastic pipe and tubing	ASTM D 3309; CSA CAN3-B137.8

Section 608.12.1 is added and shall read as follows:

608.12.1 Potable water tanks. Any pressure tank installed in a basement and/or crawl space shall be a minimum of 7½ inches (191 mm) above finished grade. All water pressure tanks and apparatus for mobile homes shall be installed in the confines of the living space. In every case, the only exception shall be those tanks installed a minimum of 18 inches (457 mm) from the top of the tank to finished grade in an approved manhole with a water-tight lid, a minimum of 6 inches (152 mm) above finished grade.

Note: Water conditioning equipment. Water conditioning equipment shall not be connected to a BAT type septic system. A sticker or a tag must be placed on the main valve, building drain, or pump tank by the installer as a warning that water discharged from water conditioning equipment can damage components of the BAT tank.

Section 608.14.10 is added and shall read as follows:

608.14.10 Periodical testing. Periodic tests and inspections shall be made by a certified backflow technician, licensed in the state of Maryland, for all backflow preventers to determine whether they are operable. Reduced pressure principle backflow preventers (ASSE 1013), double check valve assemblies (ASSE 1015), double detector check-valve breakers (ASSE 1040), and pressure type vacuum breakers (ASSE 1020) shall be inspected and tested after their initial installation. Tests shall be done annually, and an overhaul shall be done as needed.

Section 608.14.10.1 is added and shall read as follows:

608.14.10.1 Backflow testing certification. To test backflows, the tester must have a current Washington County Journeyman or Master Plumber's License, with a current Backflow Certification from a Maryland state certified approved course.

Section 608.15 is amended to read as follows:

608.15 Location of backflow preventers. Backflow prevention devices shall be installed in accessible locations for ease of maintenance, replacement, and testing. Adequate headroom shall be provided and a minimum of 30 inches (762 mm) of non-obstructed space shall be provided in front of devices and a minimum of 18 inches (457 mm) shall be provided behind devices larger than 2 inches (51 mm). Maximum height above floor shall not exceed four (4) feet measured to the center line of the device.

Backflow devices shall be installed inside a building in an area capable of maintaining a temperature above freezing.

CHAPTER 7 SANITARY DRAINAGE – is amended as follows:

SECTION 701 – GENERAL – is amended as follows:

Section 701.2 is amended to read as follows:

701.2 Connection to sewer required. Every building in which plumbing fixtures are installed and all premises having drainage piping shall be connected to a public sewer, where available, or an approved private sewage disposal system.

SECTION 702 – MATERIALS – is amended as follows:

Table 702.1 is amended to read as follows:

**Table 702.1
ABOVE-GROUND DRAINAGE AND VENT PIPE**

MATERIAL	STANDARD
Brass Pipe	ASTM B 43
Cast iron Pipe	ASTM A 74; ASTM A 888; CISPI 301
Coextruded composite PVC DWV schedule 40 IPS pipe (solid)	ASTM F 1488
Coextruded composite PVC DWV schedule 40 IPS pipe (cellular core)	ASTM F 891; ASTM F 1488
Coextruded composite PVC IPS-DR, PS140, PS200 DWV	ASTM F 1488
Copper or copper alloy pipe	ASTM B 42; ASTM B 302
Copper or cooper-alloy tubing (type K, L, M or DWV)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 306
Galvanized steel pipe	ASTM A 53
Glass pipe	ASTM C 1053
Polyolefin pipe	CSA BG181.3
Polyvinyl chloride (PVC) Plastic pipe (Type DWV)	ASTM D 2665; ASTM D 2949; ASTM F 1488; CSA B181.2
Stainless steel drainage systems Type 304 and 316L	ASME A112.3.1
Polyvinylidene fluoride (PVDF) plastic pipe	ASTM F 1673; CAN/CSA B181.3

Table 702.2 is amended to read as follows:

**Table 702.2
UNDERGROUND BUILDING DRAINAGE AND VENT PIPE**

MATERIAL	STANDARD
Cast-iron pipe	ASTM A 74; ASTM A 888; CICPI 301
Coextruded composite PVC DWV schedule 40 IPS pipe (solid)	ASTM F 1488
Coextruded composite PVC ISP-DR PSI-40, PS-200, DWV	ASTM F 1488
Polyolefin pipe	AST F 1412; CSA B181.3
Polyvinyl chloride (PVC) Plastic pipe (type DWV)	ASTM D 2665; ASTM D 2949; CSA B181.2
Stainless steel drainage system, Type 3161	ASME A112.3.1
Polyvinylidene fluoride (PVDF) plastic pipe	ASTM F 1673; CAN/CSA B181.3

Table 702.3 is amended to read as follows:

**Table 702.3
BUILDING SEWERPIPE**

MATERIAL	STANDARD
Cast-iron pipe	ASTM A 74; ASTM A 888; CISPI 301
Coextruded composite PVC DWV schedule 40 IPS pipe (solid)	ASTM F 1488
Polyvinyl chloride (PVC) plastic pipe (Type DWV SDR 26)	ASTM D 2665; ASTM D 2949; ASTM D 3034; CSA B182.2; CSA B182.4
Stainless steel drainage systems, Types 304 and 316L	ASME A112.3.1
Polyvinylidene fluoride (PVDF) plastic pipe	ASTM F 1673; CAN/CSA B181.3

Table 702.4 is amended to read as follows:

**Table 702.4
PIPE FITTINGS**

MATERIAL	STANDARD
Cast Iron	ASTME B 16.4; ASTME B 16.12; ASTM A 74; ASTM A 888; CISPI 301
Copper or copper alloy	ASME B 16.15; ASME B 16.18; ASME B 16.22; ASME B 16.23; ASME B 16.26; ASME B 16.29
Glass	ASTM C 1053
Gray iron and ductile iron	AWWA C 110
Polyolefin	ASTM F 1412; CSA B181.3
Polyvinyl chloride (PVC) plastic	ASTM D 2665; ASTM D 3311; ASTM F 1866
Stainless steel drainage systems, Types 304 and 316L	ASME A 112.3.1
Polyvinylidene fluoride (PVDF) plastic pipe	ASTM F 1673; CAN/CSA B181.3

SECTION 706 – CONNECTIONS BETWEEN DRAINAGE PIPING AND FITTINGS – is amended as follows:

Table 706.3 is amended to read as follows:

**Table 706.3
FITTINGS FOR CHANGE IN DIRECTION**

TYPE OF FITTING PATTERN	CHANGE IN DIRECTION		
	Horizontal to Vertical	Vertical to horizontal	Horizontal to horizontal
Sixteenth bend	X	X	X
Eighth bend	X	X	X
Sixth bend	X	X	X
Quarter bend	X	X ^a	
Short sweep	X	X ^{a,b}	
Long sweep	X	X	X
Sanitary tee	X ^c	X ^c	
Wye	X	X	X
Combination wye and eighth bend	X	X	X

For SI: 1 inch = 25.4

a The fittings shall be permitted for a 2-inch or smaller fixture drain

b Three inches and larger

c For a limitation on double sanitary tees, see Section 706.3.

SECTION 708 – CLEANOUTS – is amended as follows:

Section 708.1.10.3 is added and shall read as follows:

708.1.10.3 Base of stack. A cleanout shall be provided at the base of each waste or soil stack. The center of the main stack cleanout shall be a maximum height of 24 inches above the finished floor.

CHAPTER 8 – INDIRECT/SPECIAL WASTE – is amended as follows:

SECTION 802 – INDIRECT WASTES – is amended as follows:

Section 802.4.1 is amended to read as follows:

802.4.1 Size of Receptors. Waste receptor shall be sized for the maximum discharge of all indirect waste pipes served by the receptor. Receptors shall be installed to prevent splashing. All waste receptor floor sinks shall be a minimum of 9 inches by 9 inches (229 mm by 229 mm) and installed with a minimum of ¼ inch raised lip above the finished floor.

CHAPTER 9 – VENTS – is amended as follows:

Section 903.1 is amended to read as follows:

903.1 Roof extension. All open vent pipes that extend through a roof shall be terminated at least 12 inches (305 mm) above the roof, except that where a roof is to be used for any purpose other than weather protection, the vent extensions shall be run at least 7 feet (2134 mm) above the roof.

SECTION 904 – OUTDOOR VENT EXTENSION – is amended as follows:

Section 904.1 is amended to read as follows:

904.1 Main vent required. Every sanitary drainage system receiving the discharge of a water closet shall have a main vent that is either a vent stack or a stack vent. Such vent shall not be less than 3 inches (76mm) in diameter and run undiminished in size and as directly as possible from the building drain through to the open air above the roof.

SECTION 905 – VENT CONNECTIONS AND GRADES – is amended as follows:

Section 905.1 is amended to read as follows:

905.1 Connection. All individual, branch and circuit vents shall connect to a vent stack, stack vent, or extend to the open air.

SECTION 918 – AIR ADMITTANCE VALVES – is amended as follows:

Section 918.1 is amended to read as follows:

918.1 General. An air admittance valve shall be permissible on a single fixture application in a

new or existing plumbing system where standard venting is impractical.

Sections 918.2 through 918.8 are deleted in their entirety.

CHAPTER 16 – MOBILE HOME & TRAVEL TRAILER PARK PLUMBING REQUIREMENTS – is added as follows:
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Sections 1601 through 1604 are added and shall read as follows:

SECTION 1601 – TRAILER PARKS PLUMBING STANDARDS – is added and shall read as follows:

Section 1601.1 is added and shall read as follows:

1601.1 Scope. The primary objection of this chapter is to assure sanitary plumbing installations in trailer home parks.

SECTION 1602 – STANDARDS – is added and shall read as follows:

Section 1602.1 is added and shall read as follows:

1602.1 General. Plumbing systems hereafter installed in trailer home parks shall conform to the provisions set forth in the preceding sections of these Regulations, where applicable, and also to the provisions set forth in this Section. Trailer home park plumbing and drainage systems, in addition, shall conform to all other applicable Administrative Authority regulations.

Section 1602.2 is added and shall read as follows:

1602.2 Plans and specifications. Before any plumbing or sewerage disposal facilities are installed or altered in any trailer park, duplicate plans and specifications shall be filed and proper permits obtained from the Administrative Authority. Plans shall show in detail:

Sections 1602.2.1 through 1602.2.4 are added and shall read as follows:

1602.2.1 Plot plan. Plot plan of the park, drawn to scale, indicating elevations, property lines, driveways, existing or proposed buildings, and the sizes of the trailer sites;

1602.2.2 Plumbing Layout. Complete specification and piping layout of the proposed plumbing system or alteration; and

1602.2.3 Sewage disposal layout. Complete specification and layout of the proposed sewage disposal system or alteration.

1602.2.4 Conformance. Trailer park plumbing system shall be designed and installed according to the requirements of the plumbing code and shall, in addition, conform to all other pertinent local ordinances and State regulations.

Section 1603.1 is added and shall read as follows:

1603.1 Materials. Materials shall conform to the approved standards set forth in other sections of

the plumbing code.

Section 1604.1 is added and shall read as follows:

1604.1 Maintenance. All required devices or safeguards shall be maintained in good working order. The owner, operator, or lessee of the trailer park or his designated agent shall be responsible for their maintenance. When wash rooms or toilet rooms are installed, they must conform with these regulations.

Section 1605.1 is added and shall read as follows:

1605.1 Operator's responsibility - Violations. When it is evident that there exists, or may exist, a violation of any pertinent regulation, the owner, operator, lessee, person in charge of the park, or any other person causing a violation shall immediately disconnect the trailer water supply and sewer connection from the park systems and shall employ such other corrective measures as may be ordered by the Code Official.

APPENDICES

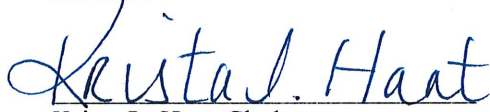
**THE FOLLOWING APPENDIX IS DELETED IN ITS ENTIRETY:
APPENDIX A - PLUMBING PERMIT FEE SCHEDULE**

**THE FOLLOWING APPENDICES ARE ADOPTED IN THEIR ENTIRETY:
APPENDIX B - RATES OF RAINFALL FOR VARIOUS CITIES
APPENDIX C - STRUCTURAL SAFETY
APPENDIX D - DEGREE DAY AND DESIGN TEMPERATURES
APPENDIX E - SIZING OF WATER PIPING SYSTEM**

Adopted this 3rd day of December, 2019.

Effective the 1st day of March, 2020.

ATTEST:


Krista L. Hart, Clerk

BOARD OF COUNTY COMMISSIONERS
OF WASHINGTON COUNTY, MARYLAND


Jeffrey A. Cline, President

Approved as to form and
legal sufficiency:


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