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ORDINANCE NO. 19829

AN ORDINANCE introduced by Jim Colson, City Manager, concerning the adoption of the 2012 Uniform Plumbing Code and amendments to the code by amending City of Topeka Code § 14.35.010, § 14.35.050 through § 14.35.250, § 14.35.280 through § 14.35.360, § 14.35.380 through § 14.35.460 and § 14.35.480 and specifically repealing said original sections; repealing in their entireties §§ 14.35.260, 14.35.270, 14.35.370 and 14.35.470; and creating §§ 14.35.065, 14.35.075, 14.35.143 and 14.35.147.

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF TOPEKA, KANSAS:

Section 1. That section 14.35.010, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

Uniform Plumbing Code – Adopted.

(a) The Uniform Plumbing Code, ~~2006~~2012 Edition, is hereby adopted by reference and made part of the code for the city. The ~~2006~~2012 Uniform Plumbing Code Illustrated Training Manual and the ~~2006~~2012 Uniform Plumbing Code Answers and Analysis Manual as published by the International Association of Plumbing and Mechanical Officials may be considered and applied by the authority having jurisdiction to the extent necessary in the authority's sole discretion to implement and enforce this code.

(b) The following appendices are hereby adopted:

Appendix A – Recommended Rules for Sizing the Water Supply System.

Appendix B – Explanatory Notes on Combination Waste and Vent Systems.

Appendix D – Sizing Stormwater Drainage Systems.

Appendix E – Manufactured/Mobile Home Parks and Recreational Vehicle Parks.

Appendix G – Sizing of Venting Systems Serving Appliances Equipped with Draft Hoods, Category 1 Appliances, and Appliances Listed for Use With Type B Vents.

Appendix H – Private Sewage Disposal Systems.

Appendix I – Installation Standards.

Appendix J – Combination of Indoor and Outdoor Combustion and Ventilation Opening Design.

Appendix K – ~~Private Sewage Disposal Systems~~Potable Rainwater Catchment Systems.

Appendix L – Sustainable Practices (With prior approval by the City of Topeka Plumbing Board Appeals)

Section 2. That section 14.35.050, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~101.4.1.4, Conflict Between Codes~~101.11.5, Moved Buildings.

~~101.4.1.4, Conflict Between Codes,~~ 101.11.5, Moved Buildings, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Conflict Between Codes. When the requirements within the jurisdiction of this plumbing code conflict with the requirements of the mechanical code, the more restrictive code shall prevail~~Plumbing systems that are part of buildings or structures moved into this jurisdiction shall comply with the provisions of City of Topeka Code, Title 8, Health and Sanitation, 8.70 Standards, Article III, Interior Structure and Section 103.5.5.2 of the 2012 Uniform Plumbing Code.

Section 3. That section 14.35.060, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~101.5.6, Moved Buildings~~102.1, Authority Having Jurisdiction.

~~101.5.6, Moved Buildings~~102.1, Authority Having Jurisdiction, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Moved Buildings. Plumbing systems that are part of buildings or structures moved into this jurisdiction shall comply with the provisions of City of Topeka Code, Chapter 112, Article III, Property Maintenance Standards~~The Authority Having Jurisdiction shall be the Authority duly appointed to enforce this code. The Authority Having Jurisdiction shall have the power to render interpretations of this code and to adopt and enforce rules and regulations supplemental to this code as deemed necessary in order to clarify the application of the provisions of this code. Such interpretations, rules, and regulations shall comply with the intent and purpose of this code.

In accordance with the prescribed procedures and with the approval of the appointing authority, the Authority Having Jurisdiction shall be permitted to appoint such number of technical officers, inspectors and other employees as shall be authorized from time to time. The Authority Having Jurisdiction shall be permitted to deputize such inspectors or employees as necessary to carry out the functions of the code enforcement agency.

Section 4. That The Code of the City of Topeka, Kansas, is hereby amended by adding a section, to be numbered 14.35.065, which said section reads as follows:

102.3, Board of Appeals.

102.3, Board of Appeals, including subsection 102.3.1, is hereby deleted in its entirety.

Section 5. That section 14.35.070, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~103.1.2~~103.1.1, Exempt Work.

~~103.1.2~~103.1.1, Exempt Work, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Exempt Work. A permit shall not be required for the following:~~

~~103.1.2.1 The clearing of stoppages, including the removal and reinstallation of water closets.~~

~~103.1.2.2 The stopping of leaks in drains, soil, waste, or vent pipe; provided, however, that should any trap, drainpipe, soil, waste, or vent pipe become defective and it becomes necessary to remove and replace with new material exceeding five (5) feet in length, the same shall be considered as new work and a permit shall be procured and inspection made as provided in this code.~~

~~103.1.2.3 The repairing of leaks in pipes, valves, or fixtures, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes, or fixtures exceeding five (5) feet in length. Provided, however, no permit shall be required for replacement of faucets and plumbing fixtures common to all residential bathrooms and residential kitchens.~~

~~103.1.2.4 Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in violation of the provisions of the code or any other laws or ordinances of this jurisdiction.~~

A permit shall not be required for the following:

(1) The stopping of leaks, in drains, soil, waste, or vent pipe, provided that a trap, drainpipe, soil , wastes, or vent pipe become defective and it becomes necessary to remove and replace the same with new material, the same shall be considered as new work and permit shall be procured and inspection made as provided in this code. Replacement of fixture fittings and/or faucets, tubular traps, continuous wastes and tailpieces shall not require a permit.

(2) The clearing of stoppages, including the removal and reinstallation of water closets, or the repairing of leaks in pipes, valves, or fixtures, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

Exemption from the permit requirements of this code shall not be deemed to grant authorization for work to be done in violation of the provisions of the code or other laws or ordinances of this jurisdiction.

Section 6. That The Code of the City of Topeka, Kansas, is hereby amended by adding a section, to be numbered 14.35.075, which said section reads as follows:

103.1.2.1, Permits and Licensing-Water Softener Installations.

103.1.2.1, Permits and Licensing-Water Softener Installations, is hereby created by the addition of the following provisions:

Individuals licensed under TMC 5.63.080 working in the water softening/conditioning trade shall be allowed to install water softening/conditioning appliances and connect them to the potable water supply lines. The licensed individual may install up to ten (10) feet of pipe horizontally for each connection plus the licensed individual may install pipe in a vertical drop to the appliance. Piping from the water

softening/conditioning appliance to any fixture shall be done by a licensed plumbing contractor.

Section 7. That section 14.35.080, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

103.4, Fees ~~– Deleted~~.

103.4, Fees, including subsections 103.4.1, 103.4.2, 103.4.3, 103.4.4 and Table 103.4, is hereby deleted in its entirety.

Section 8. That section 14.35.090, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

Definitions.

Chapter 2, Definitions, 204.0 "Bathroom Group" is hereby ~~amended by the addition of the following language~~deleted in its entirety and the following definition shall be substituted therefor:

Bathroom Group. Any combination of fixtures, not to exceed one water closet, two lavatories, either one bathtub, or one combination bath/shower, and/or one shower, and may include a bidet and an emergency floor drain.

Chapter 2, Definitions, 206.0, is hereby amended by the addition of the following definition:

Dry Vent. A vent that does not receive the discharge of any sewage or waste.

~~Toilet Facility. A restroom consisting of one (1) water closet and one (1) lavatory.~~

Section 9. That section 14.35.100, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~313.12.4~~312.12.3, Tub Waste Openings~~, is hereby deleted~~.

~~313.12.4~~312.12.3, Tub Waste Openings, is hereby deleted in its entirety.

Section 10. That section 14.35.110, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~315.4~~314.4, Excavations~~, is hereby deleted~~.

~~315.4~~314.4, Excavations, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

All excavations shall be completely backfilled as soon after inspection as possible. To ensure adequate bedding of piping and prevent damage to such piping, trenches shall be backfilled in thin layers to twelve (12) inches above the top of the piping with clean earth, which shall not contain stones, boulders, cinderfill or other materials which would damage or break the piping or cause corrosive action. Mechanical devices such as bulldozers, graders, etc., may then be used to complete backfill to grade. Fill shall be properly compacted under sidewalks, parking lots, driveways and similar situations. Mounding of sewer without compaction is an acceptable practice in open yards. Approved material for pipe bedding or plumbing underground and sanitary sewers shall be a minimum of one-quarter (1/4) inch washed rock or material of similar size. Sand is not an approved material.

Section 11. That section 14.35.120, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~316.1.6~~705.7.2, Solvent Cement ~~Plastic Pipe~~ Joints.

~~316.1.6~~705.7.2, Solvent Cement ~~Plastic Pipe~~ Joints, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

Plastic pipe and fittings designed to be joined by solvent cementing shall comply with appropriate IAPMO Installation Standards.

~~ABS pipe and fittings shall be cleaned and then joined with solvent cement(s).~~

~~CPVC pipe and fittings shall be cleaned and then joined with listed primer(s) and solvent cement(s).~~

~~Exception: Listed solvent cements that do not require the use of primer shall be permitted for use with CPVC pipe and fittings, manufactured in accordance with ASTM D2846, one-half (1/2) inch through two (2) inches in diameter.~~

~~PVC pipe and fittings shall be cleaned and joined with primer(s) and solvent cement(s).~~

Solvent cement joints for PVC pipe and fittings shall be clean from dirt and moisture. Pipe shall be cut square and pipe shall be deburred. Where surfaces to be joined are cleaned and free of dirt, moisture, oil, and other foreign material, apply primer in accordance with ASTM F656. Primer shall be applied until the surface of the pipe and fitting is softened. Solvent cements in accordance with ASTM D 2564 shall be applied to all joint surfaces. Joints shall be made while both the inside socket surface and outside surface of pipe are wet with solvent cement. Hold joint in place and undisturbed for 1 minute after assembly.

~~Provided,~~Exception: ~~e~~One step cements for non-pressure PVC, drain, waste and vent piping that comply with the requirements of ASTM D2564-96(a), ASTM F493-92 and ASTM F656-96(a) may be used without the use of primer.

~~A solvent cement transition joint between ABS and PVC building drain or building sewer shall be made using a listed transition solvent cement.~~

Section 12. That section 14.35.130, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~402.4~~403.4, Metered Faucets ~~– Deleted~~.

~~402.4~~403.4, Metered Faucets, is hereby deleted in its entirety.

Section 13. That section 14.35.140, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~404.2~~402.11, Slip Joint Connections.

~~404.2~~402.11, Slip Joint Connections, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Connections.~~ Fixtures having concealed slip joint connections shall be provided with a framed area no less than 12" x 18" to be used for access. This area may be covered with wallboard, paneling or other interior wall finishes.

Section 14. That The Code of the City of Topeka, Kansas, is hereby amended by adding a section, to be numbered 14.35.143, which said section reads as follows:

414.3, Drainage Connections.

414.3, Drainage Connections, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

Domestic dishwashers may be installed without an airgap fitting on the discharge side of the dishwashing machine provided the waste hose is securely fastened to the bottom side of the countertop. Commercial dishwashing machines shall discharge indirectly through an air gap or direction connection in accordance with Section 704.3 with floor drain protection.

Section 15. That The Code of the City of Topeka, Kansas, is hereby amended by adding a section, to be numbered 14.35.147, which said section reads as follows:

418.4, Location of Floor Drains.

418.4, Location of Floor Drains, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

Floor drains shall be installed in the following areas:

(1) Toilet rooms containing two or more water closets or a combination of one water closet and one urinal, except in a dwelling unit.

(2) Commercial kitchens and in accordance with Section 704.3.

(3) Laundry rooms in commercial buildings and common laundry facilities in multi-family dwelling buildings.

(4) Repair garages and/or gasoline stations where oil or flammable waste may exist. Floor drains shall drain to an approved oil or flammable liquid interceptor installed in accordance with Section 1017.0.

Section 16. That section 14.35.150, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~411.1.~~418.6, Special Provisions.

~~411.1 is hereby deleted in its entirety and the following provisions shall be substituted therefor:~~

~~Floor drains shall be considered plumbing fixtures and each such drain shall be provided with an approved type strainer having a waterway equivalent to the area of the tailpiece. Floor drains, floor receptors, and shower drains shall be of an approved type, vented properly and suitably flanged to provide a watertight joint to the floor.~~

418.6, Special Provisions, is hereby created by the addition of the following provisions:

~~Special provisions:~~ In group “R” occupancies, individual floor drains shall not be required to be vented, unless the length of the trap arm exceeds fifteen (15) feet from a vented line. In all other occupancies, individual emergency floor drains shall not be required to be vented unless the length of the trap arm exceeds fifteen (15) feet from a vented line with a maximum of four (4) unvented floor drains per building waste system. When combination waste and vent systems are being utilized, this provision shall not apply.

Section 17. That section 14.35.160, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~412.1~~422.1, Fixture Count.

~~412.1~~422.1, Fixture Count, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Fixture Count.~~ Plumbing fixtures shall be provided for the type of building occupancy and in the minimum number shown in Table 2902.1 of the International Building Code, 2006 Edition.

Section 18. That section 14.35.170, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

Table ~~4-1~~422.1, Minimum Plumbing Facilities ~~– Deleted~~.

Table ~~4-1~~422.1, Minimum Plumbing Facilities, is hereby deleted in its entirety.

Section 19. That section 14.35.180, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~508.4~~507.4, Drainage Pan.

~~508.4~~507.4, Drainage Pan, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

When a water heater is located in an attic, attic-ceiling assembly, floor-ceiling assembly, or floor-subfloor assembly where damage may result from a leaking water heater, a watertight pan of plastic or non-corrosive materials having a minimum size of twenty-four (24) inches square or twenty-four (24) inches in diameter with a minimum two (2) inch lip shall be installed beneath the water heater with a minimum three-quarter (3/4) inch (20 mm) diameter drain to an approved location.

Section 20. That section 14.35.190, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~508.5~~507.5, Relief Valve Discharge.

~~508.5~~507.5, Relief Valve Discharge, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Relief Valve Discharge.~~ Discharge from a relief valve into a water heater pan shall be prohibited. Provided, however, relief valves on water heaters in multiple story residential units, each having an individual tank, may discharge into a water heater pan if the pan is provided with a full two (2) inch vented floor drain, is connected to the building drain and vent system, and provisions are made to ensure that the trap is properly primed. Water heater relief valves on water heaters installed over a crawl space may discharge into a water heater pan if the pan is provided with a full two (2) inch floor drain and that drain is extended to the exterior of the building. The relief valve may not discharge directly into the crawl space.

Section 21. That section 14.35.200, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~603.3.4~~603.4.3, Access and Clearance.

~~603.3.4~~603.4.3, Access and Clearance, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

Access and clearance shall be provided for the required testing, maintenance, and repair. Access and clearance shall require a minimum of one (1) foot (305 mm) between the lowest portion of the assembly and grade, floor, or platform. Installations elevated more than five (5) feet (1524 mm) above the floor or grade shall be provided with a permanent platform capable of supporting a tester or maintenance person. Authority Having Jurisdiction approval is required before backflow devices are installed at an elevation of six (6) feet or more above the floor or grade.

Section 22. That section 14.35.210, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~603.4.6.1~~603.5.6, Protection from Lawn Sprinklers and Irrigation Systems.

~~603.4.6.1~~603.5.6, Protection from Lawn Sprinklers and Irrigation Systems, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

Potable water supplies to systems having no pumps or connections for pumping equipment, and no chemical injection or provisions for chemical injection, shall be protected from backflow by one of the following devices:

(1) Atmospheric vacuum breaker (AVB);

(2) Pressure vacuum breaker backflow prevention assembly (PVB);

(3) Spill-resistant pressure vacuum breaker (SVB);

(4) Reduced pressure principle backflow ~~preventer~~prevention assembly (RP); or

(5) Approved double-check valve assembly (DC).

Section 23. That section 14.35.220, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~603.4.12.~~603.5.18, Potable Water Outlets and Valves.

~~603.4.12.~~603.5.18, Potable Water Outlets and Valves, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Potable water supply to carbonators shall be protected by a listed stainless steel reduced pressure principle backflow preventer as approved by the Authority Having Jurisdiction for the specific use.~~ Potable water outlets, freeze-proof yard hydrants, combination stop and waste valves, or other fixtures that incorporate a stop and waste feature that drains into the ground shall not be installed underground. Freezeless yard hydrants, meeting the requirements of ASSE 1057 (Freeze resistant Sanitary Yard Hydrants with Backflow Protection) shall be approved for use within the city limits of Topeka. These devices are to supply potable water without danger of damage to the hydrant due to freezing, to provide protection of the potable water supply from contamination due to ground water, and to prevent potential backflow by means of back siphonage with the installation of an approved atmospheric vacuum breaker meeting the requirements of ASSE 1052 (Performance Requirements for Hose Connection Backflow Preventers).

Section 24. That section 14.35.230, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

Table ~~6-5~~610.3.

Table ~~6-5~~610.3 is hereby deleted in its entirety and the following provisions shall be substituted therefor:

Table ~~6-5~~610.3

Water Supply Fixture Units (WSFU) and Minimum Fixture Branch Pipe Sizes

APPLIANCES, APPURTENANCES OR FIXTURES[2]	**MINIMUM FIXTURE BRANCH PIPE SIZE[1,4]**	**PRIVATE**	**PUBLIC**	**ASSEMBLY[6]**
Bathtub or Combination Bath/Shower (fill)	1/2"	4.0	4.0	
3/4" Bathtub Fill Valve	3/4"	10.0	10.0	
Bidet	1/2"	1.0		
Clothes Washer, each pair of faucets	1/2"	2.0	4.0	
Dental Unit, cuspidor	1/2"		1.0	
Dishwasher, domestic	1/2"	1.5	1.5	
Drinking Fountain or Watercooler	1/2"	0.5	0.5	0.75
Hose Bibb	1/2"	2.5	2.5	
Hose Bibb, each additional[8]	1/2"	1.0	1.0	
Lavatory	1/2"	1.0	1.0	1.0
Lawn Sprinkler, each head	See footnotes 5 and 9	See footnote 5 and 9		
Mobile Home, each (minimum)		12.0		
SINKS				
Bar	1/2"	1.0	2.0	
Clinic Faucet	1/2"		3.0	~~Clinic Flushometer Valve~~
Clinic Flushometer Valve ~~W~~with or without faucet	1"		8.0	
Kitchen, Domestic with or	1/2"	1.5	1.5	

without dishwasher				
Laundry	1/2"	1.5	1.5	
Service or Mop Basin	1/2"	1.5	3.0	
Washup, each set of faucets	1/2"		2.0	
Shower, per head	1/2"	2.0	2.0	
Urinal, 1.0 GPF Flushometer Valve	3/4"	See footnote 7		
Urinal, greater than 1.0 GPF Flushometer Valve	3/4"	See footnote 7		
Urinal, flush tank	1/2"	2.0	2.0	3.0
Washfountain, circular spray	3/4"		4.0	
Water Closet, 1.6 GPF Gravity Tank	1/2"	2.5	2.5	3.5
Water Closet, 1.6 GPF Flushometer Tank	1/2"	2.5	2.5	3.5
Water Closet, 1.6 GPF Flushometer Valve	1"	See footnote 7		
Water Closet, greater than 1.6 GPF Gravity Tank	1/2"	3.0	5.5	7.0
Water Closet, greater than 1.6 GPF Flushometer Valve	1"	See footnote 7		

Notes:

1. Size of the cold branch pipe, or both the hot and cold branch pipes.

2. Appliances, Appurtenances or Fixtures not included in this Table may be sized by reference to the fixtures having a similar flow rate and frequency of use.

3. The listed fixture unit values represent their load on their cold water ~~service~~supply. The separate cold water and hot water fixture unit valve for fixtures having both hot and cold water connections may each be taken as three-quarter (3/4) of the listed total value of the fixture.

4. The listed minimum supply branch pipe sizes for individual fixtures are the nominal (I.D.) pipe size.

5. For fixtures or supply connections likely to impose continuous flow demands, determine the required flow in gallons per minute (GPM), and add it separately to the demand (in GPM) for the distribution system or portions thereof.

6. Assembly Public Use (See Table ~~4-1~~422.1).

7. When sizing flushometer systems, see Section 610.10.

8. Reduced fixture unit loading for additional hose bibbs is to be used only when sizing total building demand and for pipe sizing when more than one hose bibb is supplied by a segment of water-distributing pipe. The fixture branch to each hose bibb shall be sized on the basis of 2.5 fixture units.

9. The water supply for lawn sprinkler/irrigation system shall be sized by the total gallons per minute (GPM) required on the largest zone using Appendix A. The size of the water service for structures adding a lawn irrigation/sprinkler system shall be calculated by adding the total gallons per minute flow required for the largest zone on the lawn irrigation/sprinkler system to the total gallons per minute flow for the structure. Size of the service shall be determined by utilizing all applicable requirements found in Appendix A and/or Chapter 6.

Section 25. That section 14.35.240, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~605.2~~606.2, Fullway Valve.

~~605.2~~606.2, Fullway Valve, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

A fullway valve controlling all outlets shall be installed on the discharge side of each water meter and on each unmetered water supply. Water piping supplying more

than one building on any one premises shall be equipped with a separate fullway valve to each building, so arranged that the water supply can be turned on or off to any individual or separate building; provided, however, that supply piping to a single-family residence and building accessory thereto may be controlled on one valve. Such shutoff valves shall be accessible at all times. A fullway valve shall be installed on the discharge piping from water supply tanks at or near the tank. A fullway valve shall be installed on the cold water supply pipe to each water heater at or near the water heater.

All buildings shall have an accessible fullway valve immediately inside the structure or basement controlling all outlets within the structure. This valve may be enclosed, if the access panel can be removed without the use of tools. Structures with crawl spaces shall have a control valve located either in the crawl space within two (2) feet of the crawl space opening or in an accessible location within the living space.

Section 26. That section 14.35.250, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~605.5~~606.5, Control Valve.

~~605.5~~606.5, Control Valve, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

A control valve shall be installed immediately ahead of each water-supplied appliance and immediately ahead of each slip joint or appliance supply.

Parallel water distribution systems shall provide a control valve either immediately ahead of each fixture being supplied or installed at the manifold and shall be identified with the fixture being supplied.

Water softening/conditioning equipment, not factory equipped with integral bypass valves shall be required to have fullway type bypass valves of noncorrosive material installed.

Section 27. That section 14.35.260, of The Code of the City of Topeka, Kansas, is hereby repealed.

~~**606.1.2, Mechanical Joints.**~~

~~606.1.2, Mechanical Joints, is hereby deleted in its entirety and the following provisions shall be substituted therefor:~~

~~Mechanical Joints. Mechanical joints for cast-iron water pipe shall conform to nationally recognized standards. Compression mechanical joints for copper water services shall be constructed of brass, have rubber or brass compression ring, and a brass retaining screw and shall meet ASTM B62 specifications.~~

Section 28. That section 14.35.270, of The Code of the City of Topeka, Kansas, is hereby repealed.

~~**610.2.**~~

~~610.2 is hereby deleted in its entirety and the following provisions shall be substituted therefor:~~

~~Whenever a water filter, water softener, backflow prevention device, or similar device is installed in any water supply line, the pressure loss through such devices shall be included in the pressure loss calculations of the system, and the water supply pipe and meter shall be adequately sized to provide for any such pressure loss.~~

~~No water filter, water softener, backflow prevention device, or similar device regulated by this code shall be installed in any potable water supply piping when the installation of~~

~~such device produces an excessive pressure drop in any such water supply piping. In the absence of specific pressure drop information, the diameter of the inlet or outlet of any such device or its connecting piping shall not be less than the diameter of such water distribution piping to the fixtures serviced by the device.~~

~~All such devices shall be of a type approved by the Authority Having Jurisdiction and shall be tested for flow rating and pressure loss by an approved laboratory or recognized testing agency to standards consistent with the intent of this chapter.~~

~~Water softener installations. Individuals licensed under TMC 5.63.080 working in the water softening/conditioning trade shall be allowed to install water softening/conditioning appliances and connect them to the potable water supply lines. The licensed individual may install up to ten (10) feet of pipe horizontally for each connection plus the licensed individual may install pipe in a vertical drop to the appliance. Piping from the water softening/conditioning appliance to any fixture shall be done by a licensed plumbing contractor.~~

Section 29. That section 14.35.280, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

610.8, Size of Meter and Building Supply Pipe.

610.8, Size of Meter and Building Supply Pipe Using Table ~~6-5~~610.4, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Size of Meter and Building Supply Pipe Using Table 6-6.~~ The size of the meter and the building supply pipe shall be determined as follows:

(1) Determine the available pressure at the water meter or other source of supply.

(2) Subtract one-half (1/2) pound per square inch pressure (3.4 kPa) for each foot (305 mm) of difference in elevation between such source of supply and the highest water supply outlet in the building or on the premises.

(3) Use the “pressure range” group within which this pressure will fall using Table ~~6-6~~610.4.

(4) Select the “length” column that is equal to or longer than the required length.

(5) Follow down the column to a fixture unit value equal to or greater than the total number of fixture units required by the installation.

(6) Having located the proper fixture unit valve for the required length, sizes of meter and building supply pipe as found in the two left-hand columns shall be applied.

No building supply pipe shall be less than three-quarter (3/4) inch (20 mm) in diameter; provided, however, in residential remodeling a maximum of twenty-eight (28) fixture units shall be allowed to be connected to an existing three-quarter (3/4) inch (20 mm) water service. Houses or apartments that are one thousand (1,000) square feet in area or larger shall have a minimum one (1) inch (25 mm) water meter and service line.

Section 30. That section 14.35.290, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~705.1.10~~705.9.1.1, ETCO “T” Cone and Couple Adapters.

~~705.1.10~~705.9.1.1, ETCO “T” Cone and Couple Adapters, is hereby created by the addition of the following ~~language~~provisions:

~~ETCO “T” Cone and Couple Adapters.~~ The use of this type of clay tile to plastic adapter is limited to sanitary sewer installations and may only be used for the

connection of the building sewer to the clay tile sewer main wye or tap. The joint and connecting pipe shall be installed at no more than twenty-two (22) degrees from the horizontal and shall be laid on undisturbed ground or a firm bed of one-quarter (1/4) inch crushed rock or similar material. The crushed rock shall be no less than one-quarter (1/4) inch nor greater than three-quarter (3/4) inch.

Section 31. That section 14.35.300, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

707.4, Location.

707.4, Location, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

Each horizontal drainage pipe shall be provided with a cleanout at its upper terminal, and each run of piping, that is more than one hundred (100) feet (30,480 mm) in total developed length, shall be provided with a cleanout for each one hundred (100) feet (30,480 mm), or fraction thereof, in length of such piping.

Exceptions:

(1) Cleanouts may be omitted on a horizontal drain line less than five (5) feet (1,524 mm) in length unless such line is serving sinks or urinals.

(2) Cleanouts may be omitted on any horizontal drainage pipe installed on a slope of seventy-two (72) degrees (1.26 rad) or less from the vertical angle (angle of one-fifth (1/5) bend).

(3) Excepting the building drain and its horizontal branches, a cleanout shall not be required on any pipe or piping that is above the floor level of the lowest floor of the building.

(4) An approved type of two-way cleanout fitting, installed inside the building wall near the connection between the building drain and the building sewer or installed outside of a building at the lower end of a building drain and extended to grade, may be substituted for an upper terminal cleanout.

(5) A cleanout shall be installed above the flood level rim of all urinals with integral traps.

Section 32. That section 14.35.310, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

710.1 ~~— Deleted~~, Backflow Protection.

710.1, Backflow Protection, is hereby deleted in its entirety.

Section 33. That section 14.35.320, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

712.2, Water Test.

712.2, Water Test, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Water Test.~~ Water test for drain, waste and vent. The water test shall be applied to the drainage and vent system either in its entirety or in sections. If applied to the entire system, all openings in the piping shall be tightly closed, except the highest opening, and the system filled with water to a point of overflow. If the system is tested in sections, each opening shall be tightly plugged except the highest opening of the section under test, and each section shall be filled with water, but no section shall be tested with less than five (5) feet (1.5 m) head of water. In testing successive sections, at least the upper five (5) feet (1.5 m) of the next preceding section shall be tested, so

that no joint or pipe in the building (except the uppermost five (5) feet (1.5 m) of the system) shall be submitted to a test of less than five (5) feet (1.5 m) head of water. The water test shall be kept in the system, or in the portion under test, for at least fifteen (15) minutes before the inspection starts. The system shall then be tight at all points.

Section 34. That section 14.35.330, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

723.0, Building Sewer Test.

723.0, Building Sewer Test, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Building Sewer Test.~~ Building sewers shall be tested if in the opinion of the Authority Having Jurisdiction the building sewer is deteriorated, damaged or may not be watertight due to improper installation. If required, testing shall be done by plugging the end of the building sewer at its points of connection with the public sewer or private sewage disposal system and completely filling the building sewer with water from the lowest to the highest point thereof, or by approved equivalent low-pressure air test. The building sewer shall be watertight at all points.

Section 35. That section 14.35.340, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

807.4, Domestic Dishwashing Machines.

807.4, Domestic Dishwashing Machines, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

Domestic dishwashers may be installed without an air-gap fitting on the discharge side of the dishwashing machine provided the waste hose is securely fastened to the bottom side of the countertop.

Section 36. That section 14.35.350, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

905.2, Horizontal Drainage Pipes.

905.2, Horizontal Drainage Pipes, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

Where vents connect to a horizontal drainage pipe, each vent pipe shall have its invert taken off above the drainage centerline, by way of a wye fitting downstream of the trap being served. A sanitary tee may be installed as a dry vent in a true vertical position (not less than ninety (90) degrees from horizontal) and shall not deviate from the vertical until it is six (6) inches above the flood rim of the fixture being served.

Section 37. That section 14.35.360, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~**908.4.1, Where Permitted**~~**908.2, Horizontal Wet Venting for a Bathroom Group.**

~~908.4.1~~908.2, including 908.2.1 and 908.2.2, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Where permitted. Water closets, bathtubs, showers, and floor drains within one (1) or two (2) bathrooms located back-to-back or side-by-side on the same floor level in dwellings and guest rooms shall be permitted to be vented by a horizontal wet vent. The wet vent shall be considered the vent for the fixtures and shall extend from the~~

~~connection of the dry vent along the direction of flow in the drain pipe to the most downstream fixture drain connection to the horizontal branch drain. Only the fixtures within the bathroom(s) shall connect to the wet vented horizontal branch drain. Any additional fixtures shall discharge downstream of the wet vent system and be conventionally vented. Trap arm lengths shall comply with Table 10-1.~~

908.2.1 Where Permitted. A bathroom group located on the same floor level, in a residential application, shall be permitted to be vented by a horizontal wet vent if all of the following conditions are met.

908.2.1.1 Vent Connection. The dry vent connection to the wet vent shall be an individual vent for the bidet, shower, or bathtub. One or two vented lavatory(s) shall be permitted to serve as a wet vent for a bathroom group. Only one (1) wet-vented fixture drain or trap arm shall discharge upstream of the dry-vented fixture drain connection. All dry vents connections to the horizontal wet vent shall be in accordance with Sections 905.2 and Section 905.3.

908.2.1.2 Size. The wet vent shall be sized based on the fixture unit discharge into the wet vent. The wet vent shall be not less than two (2) inches (50 mm) in diameter for four (4) dfu or less, and not less than three (3) inches (80 mm) in diameter for five (5) dfu or more. The dry vent shall be sized in accordance with Tables 7-3 and 7-5 based on the total fixtures units discharging into the wet vent.

908.2.1.3 Trap Arm. The length of the trap arm shall not exceed the limits in Table 10-1. The trap size shall be in accordance with Section 1003.3. The vent

pipe opening from the horizontal wet vent, except for water closets and similar fixtures, shall not be below the weir of the trap.

908.2.1.4 Water Closet. The water closet fixture drain or trap arm connection to the wet vent shall be downstream of all fixture drain or trap arm connections to the horizontal wet vent.

908.2.1.5 Additional Fixtures. Additional fixtures shall discharge downstream of the wet vent system and be conventionally vented. Only the fixtures within the bathroom group shall connect to the wet-vented horizontal branch.

Section 38. That section 14.35.370, of The Code of the City of Topeka, Kansas, is hereby repealed.

~~**Vent Connection.**~~

~~908.4.2, Vent Connection, is hereby deleted in its entirety and the following provisions shall be substituted therefor:~~

~~Vent Connection. The wet vent connection to the horizontal branch drain shall have its invert taken off above the drainage centerline of the drain being served. The dry vent connection to the wet vent shall be an individual vent or common vent for the lavatory, bidet, shower or bathtub.~~

Section 39. That section 14.35.380, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~**1001.1**~~**1001.1.1, Domestic Kitchen Sink Exception.**

~~1001.1 is hereby deleted in its entirety and the following provisions shall be substituted therefor~~1001.1.1, Domestic Kitchen Sink Exception, is hereby created by the addition of the following provisions:

~~Each plumbing fixture, excepting those having integral traps or as permitted in Section 1001.2, shall be separately trapped by an approved type of waterseal trap.~~ Not more than one (1) trap shall be permitted on a trap arm; provided, however, a separate trap may be installed on each compartment of a domestic kitchen sink with the waste discharging into a single trap arm.

Section 40. That section 14.35.390, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

1007.0, Trap Seal Protection.

1007.0, Trap Seal Protection, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Trap Seal Protection.~~ Floor drain or similar traps directly connected to the drainage system and subject to infrequent use shall be protected with a trap seal primer, except where not deemed necessary for safety or sanitation by the Authority Having Jurisdiction. Trap seal primers shall be accessible for maintenance~~; provided, however, automatic means of protecting a trap seal shall not be required when a written schedule of trap seal maintenance is submitted to and approved by the Authority Having Jurisdiction. Failure to maintain a proper trap seal when allowed under this exception will result in the Authority Having Jurisdiction requiring the installation of an automatic trap primer~~Floor drains, subject to infrequent use and not protected by a trap seal

primer, shall be protected by an ASSE 1072 listed barrier type floor drain seal protection device.

Section 41. That section 14.35.400, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

1014.1.3, Food Waste Disposal Units and Dishwashers.

1014.1.3, Food Waste Disposal Units and Dishwashers, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Food Waste Disposal Units and Dishwashers.~~ Unless specifically required or permitted by the Authority Having Jurisdiction, no food waste disposal unit or dishwasher shall be connected to or discharge into a hydromechanical grease interceptor. Food waste disposal units and dishwashers shall be required to discharge into a gravity grease interceptor.

Section 42. That section 14.35.410, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

1014.1.4, Exceptions.

1014.1.4, Exceptions, is hereby created by the addition of the following language:

~~Exceptions.~~ An exemption to the grease interceptor requirement may be requested by written application to the Authority Having Jurisdiction. This exception shall only apply to the remodeling of existing facilities where physical limitations make the installation of a gravity grease interceptor impractical. The written application for the exception shall contain the following conditions:

(1) The owner will install a testing manhole, meeting the requirements promulgated by the Water Pollution Control Division;

(2) The owner will agree to pay for two random sample tests per year or the owner will agree to pay the cost of sewer line cleaning as deemed necessary by the Water Pollution Control Division; and

(3) The owner will install a grease interceptor, remove the fixture or fixtures, or cease operation if the grease exceeds the current limits or a significant grease problem develops downstream of the establishment.

Section 43. That section 14.35.420, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

1101.9, Filling Stations and Motor Vehicle Washing Establishments ~~– Deleted~~.

1101.9, Filling Stations and Motor Vehicle Washing Establishments, is hereby deleted in its entirety.

Section 44. That section 14.35.430, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~1209.5.2.3~~1208.5.2.3, Copper and Brass.

~~1209.5.2.3~~1208.5.2.3, Copper and Brass, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

Copper and brass pipe shall not be used if the gas contains more than an average of 0.3 grains of hydrogen sulfide per 100 scf of gas (0.7 mg/100 L). Copper or brass pipe shall only be allowed if the natural gas supplier shall warrant in writing that the hydrogen sulfide content of the gas shall at all times be below the aforementioned amount. Therefore copper and copper alloy pipe and fittings may not be used within the city limits of Topeka. All references in the ~~2006~~2012 Uniform Plumbing Code to copper

pipe and tubing as a material acceptable for gas piping as well as the brazing and sizing requirements for copper are hereby repealed.

Section 45. That section 14.35.440, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~1209.5.8.1~~1208.5.8.1, Pipe Joints.

~~1209.5.8.1~~1208.5.8.1, Pipe Joints, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Pipe Joints.~~ Pipe joints shall be threaded, flanged, brazed, or welded. Where nonferrous pipe is brazed, the brazing materials shall have a melting point in excess of 1,000° F (538° C). Brazing alloys shall not contain more than 0.05 percent phosphorus. (NFPA 54:5.6.8.1) Welded joints on ferrous piping shall be performed by individuals licensed as journeymen in the plumbing or mechanical trade with a current certification of welding competency from a state recognized testing agency. The testing requirements for the welder's competency shall be based on the requirements of the ASME Boiler and Pressure Vessel Code, Section IX.

Section 46. That section 14.35.450, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~1209.5.9, Plastic Piping, Joints, and Fittings~~1208.5.9.2, Heat-Fusion Joint.

~~1209.5.9, Plastic Piping, Joints, and Fittings~~1208.5.9.2, Heat-Fusion Joint, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Plastic Piping, Joints, and Fittings. Plastic pipe, tubing, and fittings shall be jointed in accordance with the manufacturers' instructions. The following shall be observed when making such joints: [NFPA 54:5.6.9]~~

~~(A) The joint shall be designed and installed so that the longitudinal pullout resistance of the joint will be at least equal to the tensile strength of the plastic piping material.~~

~~(B)~~ Heat-fusion joints shall be made in accordance with qualified procedures that have been established and proven by test to produce gastight joints at least as strong as the pipe or tubing being joined. Joints shall be made with the joining method recommended by the pipe manufacturer. Heat-fusion fittings shall be marked “ASTM D 2513.” All joints in approved heat fusion welded plastic gas piping shall be performed by individuals who are licensed as journeyman in the plumbing or mechanical trade and certified to do heat fusion welding by the manufacturer of the piping being installed.

~~(C) Where compression-type mechanical joints are used, the gasket material in the fitting shall be compatible with the plastic piping and with the gas distributed by the system. An internal tubular rigid stiffener shall be used in conjunction with the fitting. The stiffener shall be flush with the end of the pipe or tubing and shall extend at least to the outside end of the pipe or tubing and shall extend at least to the outside end of the compression fitting when installed. The stiffener shall be free of rough or sharp edges and shall not be a forced fit in the plastic. Split tubular stiffeners shall not be used.~~

~~(D) Plastic piping joints and fittings for use in liquefied petroleum gas-piping systems shall be in accordance with Liquefied Petroleum Gas Code, NFPA 58.~~

Section 47. That section 14.35.460, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

~~1212.4~~1211.5, ~~Equipment~~Appliance Shutoff Valves and Connections.

~~1212.4~~1211.5, ~~Equipment~~Appliance Shutoff Valves and Connections, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

~~Equipment Shutoff Valves and Connections. Gas utilization equipment~~Appliances connected to a piping system shall have an accessible, approved manual shutoff valve with a nondisplaceable valve member, or a listed gas convenience outlet ~~[NFPA 54:9.6.4],~~ installed within six (6) feet (1.8 m) of the ~~equipment~~appliance it serves. Where a connector is used, the valve shall be installed upstream of the connector. A union or flanged connection shall be provided downstream from this valve to permit removal of controls.

Exceptions:

(1) Shutoff valves shall be permitted to be accessibly located inside or under an appliance where such appliance is removed without removal of the shutoff valve.

(2) Shutoff valves shall be permitted to be accessibly located inside wall heaters and wall furnaces listed for recessed installation where necessary maintenance is performed without removal of the shutoff valve.

Section 48. That section 14.35.470, of The Code of the City of Topeka, Kansas, is hereby repealed.

~~**1214.3, Test Pressure.**~~

~~1214.3, Test Pressure, is hereby deleted in its entirety and the following provisions shall be substituted therefor:~~

~~Test Pressure. This test shall be made after all piping authorized by the permit has been installed and after all portions thereof which are to be covered or concealed~~

~~are so concealed and before any fixture, appliance, or shutoff valve has been attached thereto. This inspection shall include an air, CO_2, or nitrogen pressure test, at which time the gas piping shall withstand a pressure of ten (10) pounds per square inch (68.9 kPa) gauge pressure, or at such greater test pressure specified by the Authority Having Jurisdiction. Test pressures shall be held for a length of time satisfactory to the Authority Having Jurisdiction, but in no case less than fifteen (15) minutes, with no perceptible drop in pressure. For welded piping, and for piping carrying gas at pressures in excess of fourteen (14) inches (356 mm) water column pressure, the test pressure shall not be less than sixty (60) pounds per square inch (413.4 kPa) and shall be continued for a length of time satisfactory to the Authority Having Jurisdiction but in no case less than thirty (30) minutes.~~

Section 49. That section 14.35.480, of The Code of the City of Topeka, Kansas, is hereby amended to read as follows:

Appendix I, Installation Standards – IAPMO IS 9-200~~3~~6 Section 2.7.6, Primers.

Appendix I, Installation Standards – IAPMO IS 9-200~~3~~6 Section 2.7.6, Primers, is hereby deleted in its entirety and the following provisions shall be substituted therefor:

Primers. A listed primer in compliance with ASTM F656 shall be used on all PVC DWV joints. Provided, however, one step cements for non-pressure PVC, Drain, Waste and Vent piping that comply with the requirements in ASTM D2564-96(a), ASTM F493-92 and ASTM F656-96(a) may be used without the use of primer.

Section 50. That original §§ 14.35.010, 14.35.050, 14.35.060, 14.35.070, 14.35.080, 14.35.090, 14.35.100, 14.35.110, 14.35.120, 14.35.130, 14.35.140,

14.35.150, 14.35.160, 14.35.170, 14.35.180, 14.35.190, 14.35.200, 14.35.210, 14.35.220, 14.35.230, 14.35.240, 14.35.250, 14.35.280, 14.35.290, 14.35.300, 14.35.310, 14.35.320, 14.35.330, 14.35.340, 14.35.350, 14.35.360, 14.35.380, 14.35.390, 14.35.400, 14.35.410, 14.35.420, 14.35.430, 14.35.440, 14.35.450, 14.35.460 and 14.35.480 of The Code of the City of Topeka, Kansas, are hereby specifically repealed.

Section 51. This ordinance shall take effect and be in force from and after its passage, approval and publication in the official City newspaper.

Section 52. This ordinance shall supersede all ordinances, resolutions or rules, or portions thereof, which are in conflict with the provisions of this ordinance.

Section 53. Should any section, clause or phrase of this ordinance be declared invalid by a court of competent jurisdiction, the same shall not affect the validity of this ordinance as a whole, or any part thereof, other than the part so declared to be invalid.

PASSED AND APPROVED by the Governing Body on July 9, 2013.

CITY OF TOPEKA, KANSAS

_____
Larry E. Wolgast, Mayor

ATTEST:

_____
Brenda Younger, City Clerk