REPORT OF THE COMMITTEE ON ZONING AND PLANNING

Voting Members:
Brandon J.C. Elefante, Chair; Esther Kia'āina, Vice-Chair;
Radiant Cordero, Calvin K.Y. Say

Committee Meeting Held
September 22, 2022

Honorable Tommy Waters
Chair, City Council
City and County of Honolulu

Mr. Chair:

Your Committee on Zoning and Planning, to which was referred Bill 39 (2022), CD1 entitled:

"A BILL FOR AN ORDINANCE RELATING TO THE ADOPTION OF THE STATE PLUMBING CODE,"

which passed Second Reading and was the subject of a public hearing held at the Council meeting on September 7, 2022, reports as follows:

The purpose of the Bill is to adopt the Hawai'i State Plumbing Code, as required by Section107-28 of the Hawaii Revised Statues, subject to local amendments.

The Acting Director of Planning and Permitting testified in support of the bill.

At your Committee's meeting on September 22, 2022, no oral testimony was received.

Your Committee received written testimony in support of the Bill from the Plumbers and Fitters UA Local 675 and the City's Office of Climate Change, Sustainability and Resiliency.

CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

ADOPTED ON OCT 5 2022

COMMITTEE REPORT NO. 255

REPORT OF THE COMMITTEE ON ZONING AND PLANNING

Voting Members:
Brandon J.C. Elefante, Chair; Esther Kia'āina, Vice-Chair;
Radiant Cordero, Calvin K.Y. Say

Your Committee has prepared a CD2 version of the Bill that makes the following amendments:

A. Restores Section 102 of the State Plumbing Code (formerly Item 3 in SECTION 3 of the as-introduced Bill, but deleted in the CD1 version of the Bill) and renumbers remaining items accordingly.

B. Makes miscellaneous technical and nonsubstantive amendments.

Your Committee on Zoning and Planning is in accord with the intent and purpose of Bill 39 (2022), CD1, as amended herein, and recommends that it pass Third Reading in the form attached hereto as Bill 39 (2022), CD2. (Ayes: Cordero, Elefante, Kia'āina, Say – 4; Noes: None.)

Respectfully submitted,



Committee Chair

CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

ADOPTED ON OCT 5 2022

COMMITTEE REPORT NO. 255

CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAI'I

ORDINANCE _____

BILL **39 (2022), CD2**

A BILL FOR AN ORDINANCE

RELATING TO THE ADOPTION OF THE STATE PLUMBING CODE.

BE IT ORDAINED by the People of the City and County of Honolulu:

SECTION 1. Purpose. The purpose of this ordinance is to adopt the Hawai'i State Plumbing Code, as required by Section 107-28 of the Hawaii Revised Statutes, as amended, subject to local amendments.

SECTION 2. Chapter 19, Revised Ordinances of Honolulu 1990 ("Plumbing Code"), is repealed.

SECTION 3. The Revised Ordinances of Honolulu 1990 is amended by adding a new Chapter 19 to read as follows:

"Chapter 19.

PLUMBING CODE

Article 1. Adoption of the Hawaii State Plumbing Code.

Sec. 19-1.1. Adoption of the Hawaii State Plumbing Code.

The Hawai'i State Plumbing Code adopted by the State Building Code Council on May 19, 2020, which adopts, with modifications, the Uniform Plumbing Code, 28th Edition (2018), 6th Printing including appendices A, B, C, G and I, as copyrighted and published by International Association of Plumbing and Mechanical Officials, 4755 East Philadelphia Street, Ontario, CA 91761-2816, is adopted by reference and made a part hereof, subject to the following amendments:

(1) Amending Section 101.1. Section 101.1 is amended to read:

101.1 Title. This document shall be known as the "Plumbing Code", may be cited as such, and will be referred to herein as "this code".

(2) Amending Section 101.2. Section 101.2 is amended to read:

101.2 Scope. The provisions of this code shall apply to the design, construction, erection, installation, alteration, repair, relocation, replacement, addition to, use, or maintenance of plumbing systems within the City and County of Honolulu.

(3) Adding Section 102.1. Section 102.1 is added to read:

102.1 Conflicts Between Codes. In general:

(a) When the provisions of this code conflict with the mechanical code, this code shall prevail.

(b) When there is a conflict between this code and ROH Chapter 18 concerning the fees or procedural requirements for obtaining a permit required by this code, ROH Chapter 18 shall prevail except as otherwise stated herein.

(c) When this code conflicts with ROH Chapter 18 regarding the substantive requirements for obtaining a permit required by this code, this code shall prevail except as otherwise stated herein.

(d) When this code conflicts with ROH Chapter 14, ROH Chapter 14 will prevail.

(e) Where there is a conflict between a general requirement and a specific requirement in this code, the specific requirement will prevail. The Authority Having Jurisdiction may resolve conflicts between the foregoing requirements based on the general principles in this section when necessary to prevent absurd results, prevent unjustified hardship to the applicant, or protect the health, safety, and welfare of the public.

(f) When this code conflicts with the manufacturer's installation instructions for plumbing systems, the Authority Having Jurisdiction shall determine the applicable requirements, as necessary for the protection of the public. Where there is a conflict between a general requirement and a specific requirement in this code, the specific requirement shall prevail.

(g) Except as otherwise stated herein, conflicts of law are to be resolved in accordance with the rules of statutory construction and conflicts of law recognized by Hawaii courts.

(4) Adding Section 102.2. Section 102.2 is added to read:

102.2 Existing Installations. Plumbing systems lawfully in existence on the effective date of this ordinance shall be permitted to have their use, maintenance, or repair continued provided that they do no create a hazard to health, safety, or property. If replaced, existing showerheads, kitchen faucets, lavatory faucets, toilets, and urinals shall comply with the water conservation requirements in ROH Chapter 30, Article 4.

(5) Amending Section 103.1. Section 103.1 is amended by amending the first paragraph to read:

The Authority Having Jurisdiction shall be the director of the department of planning and permitting. In addition to the powers specifically set forth herein, the Authority Having Jurisdiction shall have all powers reasonably necessary to administer and enforce this code, including, without limitation, the powers to render interpretations of this code and adopt and enforce rules that are supplemental to this code.

(6) Amending Section 104.1. Section 104.1 is amended to read:

104.1 Permits Required. It shall be unlawful to alter, install, repair, or replace a plumbing system regulated by this code except as permitted in ROH Section 18-3.1(b), or to cause the same to be done, without first obtaining a building permit.

In addition to the work exempt from requiring a building permit under this section, the following work does not require a building permit:

(a) The clearing of stoppages and blocks without the removal or replacement of plumbing systems or parts thereof; and

(b) The removal and replacement of water closets, shower heads, and faucets without the replacement or rearrangement of valves, pipes, and other plumbing system components.

Exemption from building permit requirements under ROH Section 18-3.1(b) shall not be deemed to grant authorization for work to be done in violation of the other requirements of the code or any other laws or ordinances.

(7) Deleting Section 104.2. Section 104.2 is deleted.

(8) Deleting Section 104.3. Section 104.3 is deleted.

(9) Adding Section 104.3. Section 104.3 is added to read:

104.3 Construction Documents. In addition to the requirements provided in ROH Chapter 18, construction documents that are submitted with an application for a permit must:

(a) Provide a true and accurate description of the work that will be performed;

(b) Include piping plans with isometric piping diagrams, equipment piping details, equipment schedules, and product information;

(c) Be drawn to standard architectural scale using floor plans and elevations or standard engineering scale appropriate to site utilities;

(d) Use text with a minimum height of one-eighth inch; and

(e) Be prepared, stamped, and signed by a registered design professional (mechanical or civil).

(10) Deleting Section 104.4. Section 104.4 is deleted.

(11) Adding Section 104.4. Section 104.4 is added to read:

104.4 Permit Expiration. A permit issued by the Authority Having Jurisdiction under the provisions of this code shall expire by limitation and become null and void where the work authorized by such permit is not commenced within 180 days from the date of such permit, or where the work authorized by such permit is suspended or abandoned at a time after the work is commenced for a period of 180 days. Before such work is recommenced, a new permit shall first be obtained to do so, and the fee, therefore, shall be one-half the amount required for a new permit for such work; provided that no changes have been made or will be made in the original construction documents for such work; and provided further that such suspensions or abandonment has not exceeded one year.

(12) Deleting Section 104.5. Section 104.5 is deleted.

(13) Adding Section 104.5. Section 104.5 is added to read:

104.5 Work Commencing Before Permit Issuance. Where work for which a building permit is required by this code has been commenced without first obtaining a building permit, a special investigation may be required before a building permit is issued for such work.

(14) Amending Section 105.2.3. Section 105.2.3 is amended to read:

105.2.3 Inspection Requests. It shall be the duty of the person doing the work authorized by a permit to notify the Authority Having Jurisdiction that such work is ready for inspection. A request for inspection may be made in any manner allowed by the Authority Having Jurisdiction but must be made not less than two working days before the desired inspection date. If a request is properly made, the Authority Having Jurisdiction shall not be required to perform the inspection on the requested date, but shall make reasonable efforts to perform the requested inspection on the requested date or as soon thereafter as is practicable under the circumstances.

It shall be the duty of the person requesting inspections, in accordance with this code, to provide access to and means for inspection of such work. After inspection, the Authority Having Jurisdiction shall approve the inspected work if it complies with the requirements of this code and the approved plans for the building permit issued for the work.

As part of any inspection made under this code, the Authority Having Jurisdiction may require verification that the work being inspected was performed by a plumbing journey worker and/or contractor currently licensed in the State of Hawaii. The failure to verify that work under inspection was performed by an appropriately licensed professional will be adequate grounds for the Authority Having Jurisdiction to determine that the work fails inspection.

In addition to any fees payable under ROH Chapter 18, a person requesting an inspection will be required to pay an inspection fee. A person that requests an inspection to occur during normal business hours shall pay the city a fee of $50 per hour for each hour that is used to perform the inspection, which includes time used to travel to and from the inspection location. A person may also request an inspection to occur outside of normal business hours. A request for an inspection to be conducted outside of normal business hours may be approved or denied at the discretion of the Authority Having Jurisdiction, based on the nature of the work to be inspected and the availability of personnel to perform the

inspection. The fee for an inspection to be conducted outside of normal business hours is $75 for each hour that is used to perform the inspection, including time used to travel to and from the inspection location. For the purposes of this section, normal business hours are 8:00 a.m. to 4:00 p.m. on a day on which the city is open for business.

In calculating inspection fees due under this section, the person requesting the inspection will be billed for one hour of time for inspections that take up to one hour and half the hourly rate for each additional half hour or portion thereof used to perform the inspection.

(15) Amending Section 105.2.4. Section 105.2.4 is amended to read:

105.2.4 Advance Notice. It shall be the duty of the person doing the work authorized by a permit to notify the Authority Having Jurisdiction that such work is ready for inspection. Such notification shall be given not less than two working days before the work is to be inspected. Such notification shall be in writing or by telephone, at the option of the Authority Having Jurisdiction.

(16) Amending Section 105.2.6. Section 105.2.6 is amended to read:

105.2.6 Reinspections. If an inspection is made by the Authority Having Jurisdiction and additional inspections are necessary because less than all of the work requiring inspection is approved, the Authority Having Jurisdiction may require a reinspection of the work that has not been approved. When a resinspection is required, a reinspection fee will be assessed.

Reinspections may be requested in the same manner as requests for initial inspections under Section 105.2.3 and will be billed in the same manner described therein.

Reinspections will not be provided until all outstanding inspection fees and the fee for reinspection have been paid.

(17) Adding Section 105.2.7. Section 105.2.7 is added to read:

105.2.7 Plumbing Special Inspection. The Authority Having Jurisdiction may require work governed by this code to be subject to a plumbing special inspection when deemed necessary based on the nature of the work or resources of the Authority Having Jurisdiction. Plumbing special inspections must be performed

by appropriately registered design professionals currently licensed in the State of Hawaii that are not involved in performing the work that will be inspected.

Plumbing special inspectors are to be hired and paid by the applicant and may be required to provide the Authority Having Jurisdiction with proof of their qualifications to perform the required inspections.

Plumbing special inspectors shall review the approved construction documents prior to the commencement of work and document the performance of work in compliance with the approved construction documents and the requirements of this code in reports that will be provided to the Authority Having Jurisdiction, the applicant, and the registered design professional engineer of record, on request.

When work that is subject to a plumbing special inspection is complete, the plumbing special inspector shall submit a final signed report stating that the inspected work was completed in compliance with the approved construction documents and the requirements of this code.

Plumbing special inspector will provide written documentation to the Authority Having Jurisdiction demonstrating the plumbing special inspector's competence and relevant experience or training in each type of inspection they will perform. Inspector personnel will not be allowed to perform inspections without these qualifications unless directly supervised by the qualified, responsible plumbing special inspector.

(18) Amending Section 106.2. Section 106.2 is amended to read:

106.2 Notices of Violation and Order. Whenever any person, firm, or corporation violates any provision of this chapter, the Authority Having Jurisdiction may serve a notice of violation on the persons deemed responsible for the violation, which may include the owners of the property and building or unit thereof. A notice of violation must be served on the responsible persons by:

(a) Hand delivery to the responsible person at any location or to another person of suitable age and discretion at the responsible person's workplace or place of residence;

(b) Certified mail, deliverable to any address at which the responsible person is known to receive mail, with return receipt requested; or

(c) If the whereabouts of one or more responsible persons are unknown and cannot be readily ascertained by the Authority Having Jurisdiction, the Authority Having Jurisdiction may, after reasonable efforts to locate and serve the responsible person as provided for in (a) and (b), serve the notice of violation by publishing a copy of the same in a daily or weekly publication of general circulation within in the city, once per week for two consecutive weeks.

A notice of violation must include at least the following information:

(a) The date of the notice;

(b) The name of the persons deemed responsible for the violation;

(c) The section of the code, the rule, or the building permit condition that has been violated;

(d) A concise statement or description of the violation;

(e) The deadline for correcting each violation; and

(f) The name and phone number of the inspector responsible for issuing the notice of violation.

If a violation remains uncorrected after the deadline specified in the notice of violation after the notice of violation is properly served on one or more responsible persons, the Authority Having Jurisdiction may then issue a notice of order to the same persons who were served with the notice of violation.

A notice of order must contain the same information required for a notice of violation and may impose civil fines of up to $2,000 per violation, per day for each uncorrected violation that was identified in the notice of violation. In addition, a notice of order must inform the responsible persons that the notice of order may be appealed to the Building Board of Appeals within 30 days of service of the notice of order. Notices of order must be served in the same manner as notices of violation.

Service of a notice of violation or notice of order will be effective:

(a) On the day hand delivery is made;

(b) On the day certified mail is signed for; or

(c) On the date the last required publication is made.

(19) Amending Section 106.3. Section 106.3 is amended to read:

106.3 Criminal Penalties. Any person, firm, or corporation violating any provisions of this code shall be guilty of a misdemeanor; provided that each day such violation continues shall be deemed a separate offense. The penalty for a criminal violation of this code shall be a fine of not more than $2,000 per violation, imprisonment for not more than one year, or both.

Any officer or inspector designated by the Authority Having Jurisdiction that has been deputized by the chief of police as a special officer for the purpose of enforcing the provisions of the this code may arrest the person responsible for the violation upon a warrant of arrest or issue a citation using a summons and complaint form issued by the State of Hawaii Judiciary for violations of this code. The form and content of such summons and complaint form shall be as adopted or prescribed by the administrative judge of the district court and shall be printed on a form commensurate with the form of other summonses or citations used in modern methods of arrest, so designed to include all necessary information to make the same valid within the laws and regulations of the State of Hawaii and the city.

(20) Amending Section 106.4. Section 106.4 is amended to read:

106.4 Stop Orders. If the Authority Having Jurisdiction determines that work is being done in violation of this code or any building permit issued hereunder, the Authority Having Jurisdiction may issue a written stop work order to the owner of the property, building, and building unit and to any persons engaged in or causing the work to be done. Upon service of a stop work order, all persons served with the order must immediately stop work until the Authority Having Jurisdiction authorizes further work.

In addition to the information required for a notice of violation under Section 106.2, a stop work order must contain a concise description of the work that is prohibited by the stop work order. A stop work order may be served in the same manner as a notice of violation or notice of order under Section 106.2. The provisions in Section 106.2 regarding the effective date of service will apply to stop work orders.

(21) Adding Section 106.7. Section 106.7 is added to read:

106.7 Effect of a Notice of Order--Right to Appeal. All notices of order issued by the Authority Having Jurisdiction will become final 30 calendar days after the effective date of service. Any person served with a notice of order issued under this code may appeal the notice of order to the Building Board of Appeals before that time. The filing of an appeal will not stay any provision of the notice of order being appealed.

(22) Adding Section 106.8. Section 106.8 is added to read:

106.8 Judicial Enforcement. The Authority Having Jurisdiction may institute a civil action in any court of competent jurisdiction to enjoin any violation of this code and any rule adopted or building permit issued hereunder.

The Authority Having Jurisdiction may also institute a civil action to enforce the civil fine imposed by a notice of order that has become final. In such cases, the Authority Having Jurisdiction need only show that the notice of violation and notice of order were properly served, that a civil fine was imposed, the amount of the civil fine that it seeks to enforce, and that the civil fine has not been paid.

(23) Amending Section 107.1. Section 107.1 is amended to read:

107.1 Building Board of Appeals. The Building Board of Appeals constituted under the ROH Chapter 16 shall have the authority hear and determine appeals from the actions of the Authority Having Jurisdiction in the administration and enforcement of this code. The procedures and standards for appeals from the actions of the Authority Having Jurisdiction in the administration and enforcement of this code will be as provided in ROH Chapter 16.

(24) Deleting Section 107.2. Section 107.2 is deleted.

(25) Amending Section 203.0. Section 203.0 is amended by amending the definition of "Authority Having Jurisdiction" to read:

Authority Having Jurisdiction. Authority Having Jurisdiction means the Director of Planning and Permitting, of the City and County of Honolulu. When references are to the Health Officer, Health Department or Health, the Authority Having Jurisdiction shall be the Director of Health of the State of Hawaii Department of Health.

A BILL FOR AN ORDINANCE

(26) Amending Section 204.0. Section 204.0 is amended by adding a definition for "Building Code" to read:

Building Code. As defined in ROH Chapter 16.

(27) Amending Section 205.0. Section 205.0 is amended by adding a definition for "Control Valve" to read:

Control Valve. A control valve is any type of valve which can change the flow rate of water, and includes a compression stop valve.

(28) Amending Section 206.0. Section 206.0 is amended by adding definitions for "DOH" and "Dwelling" to read:

DOH. DOH means the State of Hawaii Department of Health

Dwelling. A house, apartment, or other place that is intended to provide living accommodations to one or more persons and equipped with amenities for sleeping, cooking, and sanitation

(29) Amending Section 220.0. Section 220.0 is amended by amending the definition of "Registered Design Professional" to read:

Registered Design Professional. An engineer licensed in the State of Hawaii under Chapter 464 of the Hawaii Revised Statutes, as amended.

(30) Amending Section 221.0. Section 221.0 is amended by adding a definition of "SPC" to read:

SPC. The Hawaii State Plumbing Code, adopted by the State Building Code Council on May 19, 2020.

(31) Amending Section 223.0. Section 223.0 is amended by adding a definition of "UPC" to read:

UPC. The 2018 Uniform Plumbing Code, 28th Edition (2018), 6th Printing.

(32) Amending Section 301.4. Section 301.4 is amended to read:

301.4 Flood Hazard Areas. Plumbing systems that are located in special flood hazard area, floodway area, or flood fringe area identified in ROH Chapter 21A

must be designed and installed to ensure that water will not enter or accumulate within its components during flooding. Plumbing systems located below the base flood elevation shall be designed and installed to resist hydrostatic and hydrodynamic loads and stresses, including the effects of buoyancy. All pipe openings shall terminate at an elevation of at least one foot above the base flood elevation unless the drainage system is equipped with an automatic backwater valve in each discharge line passing through the building exterior wall. Fixtures located at a floor level above the base flood elevation shall not discharge through the backwater valve.

(33) Amending Section 301.5.1. Section 301.5.1 is amended to read:

301.5.1 Permit Application. In addition to the requirements of ROH Chapter 18, the following will apply to applications for building permits involving alternative engineered designs. The registered design professional shall indicate on the design documents that the plumbing system, or part thereof, is an alternative engineered design and note the same in the building permit application. The building permit and permanent permit records must indicate that an alternative engineered design was part of the approved installation. A written request by a registered design professional (mechanical) with the concurrence of the building or project owner must be made to the Authority Having Jurisdiction. The details of this approval shall be recorded and entered in the files of the Authority Having Jurisdiction. Submittals shall be stamped and signed by the registered design professional (mechanical). The registered design professional (mechanical) responsible for the design supervision and construction observation of the plumbing system shall provide a statement that they have personally verified all tests and certifications and, if appropriate, state that the installation complies with the installation requirements.

(34) Amending Section 301.5.6. Section 301.5.6 is amended to read:

301.5.6 Inspection and Testing. Plumbing Special Inspections, as specified in Section 105.2.7, will be required for work involving alternative engineered designs. The alternative engineered design will be tested and inspected in accordance with the submitted testing and inspection plan and the requirements of this code.

(35) Adding Section 306.3. Section 306.3 is added to read:

306.3 Industrial Wastewater Discharge Permits. Sanitary sewer systems that require an industrial wastewater discharge permit under ROH Chapter 14 must

comply with the design and maintenance requirements adopted by the Department of Environmental Services.

(36) Amending Section 310.4. Section 310.4 is amended to read:

310.4 Use of Vent and Waste Pipes. Except as hereinafter provided in Section 908.0 Wet Venting, Section 909.0 Special Venting for Island Fixtures, Section 910.0 Combination Waste and Vent Systems, no vent pipe shall be used as a soil or waste pipe, nor shall a soil or waste pipe be used as a vent.

(37) Amending Section 312.3. Section 312.3 is amended to read:

312.3 Building Sewer and Drainage Piping. No building sewer or other drainage piping or part thereof, constructed of materials other than those approved for use under or within a building, shall be installed under or within 5 feet (1.5 m) of any building or structure, less than 1 foot (0.3 m) below the surface of the ground or as approved by the Authority Having Jurisdiction.

(38) Amending Section 312.7. Section 312.7 is amended to read:

312.7 Fire-Resistant Construction. Piping penetrations of fire-resistance-rated walls, partitions, floors, floor/ceiling assemblies, roof/ceiling assemblies, or shaft enclosures shall be protected in accordance with the requirements of the Building Code.

(39) Deleting Sections 317.0 and 317.1. Sections 317.0 and 317.1 are deleted.

(40) Amending Section 408.2. Section 408.2 is amended to read:

408.2 Water Consumption. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute (gpm) at 80 psi (6.8 L/m at 552 kPa).

(41) Amending Section 411.2. Section 411.2 is amended to read:

411.2 Water Consumption. Water closets shall have a maximum consumption not to exceed 1.28 gallons (4.8 liters/minute) of water per flush.

(42) Amending Section 411.2.2. Section 411.2.2 is amended to read:

411.2.2 Flushometer Valve Activated Water Closets. Flushometer valve activated water closets shall have a maximum flush volume of 1.28 gallons (4.8 liters) of water per flush.

(43) Deleting Section 415.2. Section 415.2 is deleted.

(44) Amending Section 422.0. Section 422.0 is amended to read as follows:

422.0 Minimum Number of Required Fixtures. Plumbing fixtures shall be provided for the type of building occupancy and in the minimum number required in the Building Code.

(45) Deleting Section 422.1 and Table 422.1. Section 422.1 and Table 422.1 are deleted.

(46) Amending Section 501.1. Section 501.1 is amended to read:

501.1 Applicability. The regulations of Chapter 5 of this code shall govern the construction, location, and installation of fuel-burning and other types of water heaters heating potable water, together with chimneys, vents, and its connectors. The minimum capacity for storage water heaters shall be in accordance with the first-hour rating listed in Table 501.1(2). No water heater shall be hereinafter installed that does not comply with the manufacturer's installation instructions and the type and model of each size thereof approved by the Authority Having Jurisdiction. A list of accepted water heater appliance standards is referenced in Table 501.1(1). Listed appliances shall be installed in accordance with manufacturer installation instructions.

(47) Amending Section 601.2. Section 601.2 is amended to read:

601.2 Hot and Cold Water Required. Except where not deemed necessary for safety or sanitation by the Authority Having Jurisdiction, each plumbing fixture shall be provided with an adequate supply of potable running water piped thereto in an approved manner, so arranged as to flush and keep it in a clean and sanitary condition without danger of backflow or cross-connection. Water closets and urinals shall be flushed using an approved flush tank or flushometer valve.

Exception: Listed fixtures that do not require water for their operation and are not connected to the water supply.

(48) Adding Section 601.4. Section 601.4 is added to read:

601.4 Private Water Systems. Owners of private water systems are responsible for maintaining the potability of their water systems. This section applies to water systems that are not defined as public water systems as defined by the Health Officer.

(49) Amending Section 603.5.5. Section 603.5.5 is amended by adding a new subparagraph (4) to read:

(4) No gravity tank may be directly connected to the city water main. Gravity tanks must be provided with an over-the-rim filler, the orifice or outlet of which must be elevated a distance of 6 inches (152.4 mm) above the overflow. A drain shall be provided at the bottom of the tank.

(50) Amending Section 603.5.14. Section 603.5.14 is amended by adding new subparagraphs (5) and (6) to read:

(5) Systems with alarm check valve assembly.

(6) Systems with booster pump and check valve assembly.

(51) Amending Section 610.4. Section 610.4 is amended to read:

610.4 Sizing Water Supply and Distribution Systems. Except as otherwise required by the Board of Water Supply, systems within the range of Table 610.4 may be sized as described therein or as provided in Section 610.5 of this code.

(52) Deleting Sections 612.0 through 612.7. Sections 612.0 through 612.7 are deleted.

(53) Amending Section 701.2. Section 701.2 is amended by amending subparagraph (2) to read:

(2) ABS and PVC DWV piping installations must be installed in accordance with applicable standards referenced in Table 701.2, provided that "Firestop Protection" requirements will be determined by the Building Code. Except for single-family dwellings, materials exposed within ducts or plenums must have a flame-spread index of a maximum of 25 and a smoke-developed index maximum of 50, where tested in accordance with

ASTM E 84 and UL 723. These tests must comply with all requirements of the standards to include the sample size, both for width and length. Plastic pipe may not be tested while filled with water.

(54) Amending Section 704.3. Section 704.3 is amended to read:

704.3 Commercial Sinks. Sinks in commercial kitchens and food service establishments must comply with the requirements adopted by the Health Officer.

(55) Adding Section 707.15. Section 707.15 is added to read:

707.15 Residential Cleanouts. All cleanouts located on the ground floor within any residential occupancy shall be extended outside of the building, arranged in an accessible location below the building, or above the floor, and extend no less than 6 inches (152.4 mm) above the flood level rim of the lowest fixture.

(56) Amending Section 710.6. Section 710.6 is amended to read:

710.6 Backwater Valves. Backwater valves, gate valves, fullway ball valves, unions, motors, compressors, air tanks, and other mechanical devices required by this section must be located where they will be accessible for inspection and repair. Unless continuously exposed, these items must be enclosed in a masonry pit fitted with an adequately sized removable cover or other approved compartment.

Backwater valves must:

(a) Have bodies of cast-iron, plastic, brass, or other approved materials;

(b) Have noncorrosive bearings, seats, and self-aligning discs; and

(c) Be constructed so as to ensure a positive mechanical seal. Backwater valves must remain open during periods of low flows to avoid screening of solids and shall not restrict capacities or cause excessive turbulence during peak loads. Unless otherwise listed, valve access covers must be a bolted type with gasket, and each valve must bear the manufacturer's name cast into the body and the cover.

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(57) Amending Section 713.1. Section 713.1 is amended to read:

713.1 Where Required. A building in which plumbing fixtures are installed and premises having drainage piping thereon must be connected to a public or private sewer, except as provided in ROH Chapter 14.

(58) Deleting Section 713.2. Section 713.2 is deleted.

(59) Amending Section 713.3. Section 713.3 is amended to read:

713.3 Public Sewer. The rearrangement or subdivision of a lot into smaller parcels will not be deemed adequate cause to permit the construction of a private sewage disposal system.

(60) Deleting Section 713.4. Section 713.4 is deleted.

(61) Amending Section 713.5. Section 713.5 is amended to read:

713.5 Permit. No permit shall be issued for the installation, alteration, or repair of a private sewage disposal system, or part thereof, on a lot for which a connection with a public sewer is available. It is unlawful for any person to use or connect to the public sewer system without first obtaining the written approval of the Authority Having Jurisdiction.

(62) Amending Section 713.7. Section 713.7 is amended to read:

713.7 Installation. The installation of building sewers receiving building permits from the Authority Having Jurisdiction must comply with this code. Where a building sewer is lawfully installed without a building permit by the Authority Having Jurisdiction and regulated by ROH Chapter 14, the provisions of this code, relating to building sewers, do not apply.

(63) Adding Section 713.8. Section 713.8 is added to read:

713.8 Building Sewer Construction. Building sewer construction shall conform to the requirements for main line sewers as set forth in the City and County of Honolulu Wastewater System Design Standards, dated July 2017, and ROH Chapter 14, as amended, when either of the following conditions exists:

(1) Where the Authority Having Jurisdiction requires such construction because of the character or quantity of the sewage or industrial waste to be discharged.

(2) Where the sewer will be dedicated to the City and County of Honolulu.

(64) Deleting Sections 714.1 through 714.3. Sections 714.1 through 714.3 are deleted.

(65) Amending Section 718.3. Section 718.3 is amended to read:

718.3 Protection from Damage. No building sewer or other drainage piping or part thereof, which is constructed of materials other than those approved for use under or within a building, may be installed within 5 feet (1.5 m) of any part of a building or structure, nor less than 1 foot (305 mm) below the surface of the ground. The provisions of this section include structures such as porches and steps, whether covered or uncovered; breezeways; roofed porte cocheres; roofed patios; carports; covered walkways; covered driveways; and similar structures or appurtenances.

(66) Amending Section 722.2. Section 722.2 is amended by adding the following exception to read:

Exception: An abandoned cesspool is allowed to be used as an overflow receptor for a sewage sump with pump discharge when approved by the Authority Having Jurisdiction.

(67) Amending Section 804.1. Section 804.1 is amended to read:

804.1 Standpipe Receptors. Plumbing fixtures or other receptors receiving the discharge of indirect waste pipes may be approved and must be of such shape and capacity as to prevent splashing or flooding. Where approved, such fixtures and receptors must be located in a readily accessible location for inspection and cleaning. No standpipe receptor for a clothes washer may extend more than 30 inches (762 mm) above its trap. No standpipe receptor for a clothes washer may be less than 18 inches (457 mm) above its trap. No trap for a clothes washer standpipe receptor may be installed below the floor. Stand pipe receptors must be roughed in not less than six inches (152 mm) and not more than 18 inches (457 mm) above the floor. No indirect waste receptor may be installed in a toilet room, closet, cupboard, or storeroom, nor in a portion of a building not in general use by the occupants thereof; except standpipes for clothes washers may be

permitted to be installed in toilet and bathroom areas where the clothes washer is installed in the same room. Indirect drain receptors for air conditioning condensate drain lines must be accessible without the use of tools or equipment for inspection and cleaning and are allowed to be installed in toilet or bathroom areas.

(68) Amending Section 809.1. Section 809.1 is amended to read:

809.1 General. Drinking fountains may be permitted to be installed with indirect waste. Outdoor drinking fountains located beyond 200 feet from the nearest sanitary drainage system may be allowed to discharge into a dry well in accordance with the dry well detail of the Department of Parks and Recreation.

(69) Amending Section 814.5. Section 814.5 is amended to read:

814.5 Point of Discharge. Air-conditioning condensate waste pipes must connect indirectly, except where permitted in Section 814.6, to the drainage system through an air gap or air break to trapped and vented receptors, dry wells, leach pits, or the tailpiece of plumbing fixtures. A condensate drain must be trapped in accordance with the appliance manufacturer's instructions or as approved by the Authority Having Jursidiction. Dry wells shall have an inner pipe diameter greater than or equal to the total excavated depth to the bottom of fill.

(70) Amending Section 903.1. Section 903.1 is amended by amending subparagraph (2) to read:

(2) ABS and PVC DWV piping installations shall be in accordance with the "Firestop Protection" requirements of the Building Code. Except for a single-family dwelling, materials exposed within ducts or plenums shall have a flame-spread index of not more than 25 and a smoke-developed index of not more than 50 where tested in accordance with ASTM E84 or UL 723. These tests shall comply with all requirements of the standards to include the sample size, both for width and length. Plastic pipe shall not be tested filled with water.

(71) Deleting Section 908.2. Section 908.2 is deleted.

(72) Deleting Section 911.0. Section 911.0 is deleted.

(73) Amending Section 1201.1. Section 1201.1 is amended to read:

1201.1 Applicability. The regulations of this chapter shall govern the installation of fuel gas piping in or in connection with a building, structure or within the property lines of premises up to 5 pounds-force per square inch (psi) (34 kPa) for natural gas and 10 psi (69 kPa) for undiluted propane, other than service pipe.

(74) Deleting Sections 1203.0 through 1203.4. Sections 1203.0 through 1203.4 are deleted.

(75) Deleting Sections 1204.1 and 1204.2. Sections 1204.1 and 1204.2 are deleted.

(76) Amending Section 1204.3. Section 1204.3 is amended to read:

1204.3 Unlawful. It is unlawful for a gas supplier or person acting as a gas supplier to furnish gas or to cause gas to be turned on before the gas system has passed final inspection.

(77) Amending Section 1208.1. Section 1208.1 is amended to read:

1208.1 Installation of Piping System. The Authority Having Jurisdiction may require a piping plan before proceeding with installation. The piping plan must show the proposed location of piping, the size of different branches, the various load demands, and the location of the point of delivery. Gas meters may not be located under a window, under interior or exterior stairways, or in engine, boiler, heater, or electric meter rooms.

(78) Amending Section 1210.2. Section 1210.2 is amended to read:

1210.2 Installation of Piping. Piping installed above ground shall be securely supported and located where it will be protected from physical damage. All exposed gas piping must be kept at least six inches (152 mm) above grade or structure. Where passing through an exterior wall, the piping must be protected against corrosion by coating or wrapping with an inert material approved for such applications. The piping must be sealed around its circumference at the point of the exterior penetration to prevent the entry of water, insects, and rodents. Where piping is encased in a protective pipe sleeve, the annular spaces between the gas piping and the sleeve and between the sleeve and the wall opening must be sealed.

(79) Amending Section 1319.4. Section 1319.4 is amended to read:

1319.4 Approval. In addition to requirements imposed by ROH Chapter 18, plans for medical gas and vacuum systems must be stamped and signed by a registered design professional (mechanical or electrical). The registered design professional (mechanical or electrical) responsible for the design and construction observation of the medical gas and vacuum system must, upon project completion, provide a statement to the Authority Having Jurisdiction indicating that they have personally verified that the as-built system complies with the approved plans and other requirements of this code. Medical gas and vacuum systems must be tested and inspected by a Plumbing Special Inspector.

(80) Deleting Chapter 14. Chapter 14 is deleted.

(81) Amending Section1501.2. Section 1501.2 is amended to read:

1501.2 System Design. Alternate water source systems must be designed by a registered design professional (mechanical or civil) licensed to perform building and site plumbing design work. Components, piping, and fittings used in an alternate water source system must be specified in plans and construction documents. The registered design professionals (mechanical and/or civil) are responsible for the design and observation of the alternate water source system and must, upon project completion, provide a statement to the Authority Having Jurisdiction indicating that they have personally verified that the as-built system complies with the approved plans and the requirements of this code. Alternate water source systems must be tested and inspected by a Plumbing special inspector.

Exception:

When a project is exempt from the licensing requirements of HRS Chapter 464, the registered design professional is not required for single-family dwelling alternate water source systems where outlets, piping, and system components are located on the exterior of the building, and there are no connections to the house plumbing.

(82) Amending Section 1501.7. Section 1501.7 is amended to read:

1501.7 Minimum Water Quality Requirements. The minimum water quality for alternate water source systems shall meet the applicable water quality requirements for the intended application as determined by the Health Officer.

(83) Amending Section 1503.9.2. Section 1503.9.2 is amended to read:

1503.9.2 Gray Water Pipe and Fitting Materials. Aboveground and underground building drainage and vent pipe and fittings for gray water systems must comply with the requirements for aboveground and underground sanitary building drainage and vent pipe and fittings in this code. These materials shall extend not less than 5 feet (1.5 m) outside the building.

(84) Amending Section 1505.1. Section 1505.1 is amended to read:

1505.1 General. The provisions of this section apply to the installation, construction, alteration, and repair of reclaimed (recycled) water systems intended to supply uses such as water closets, urinals, trap primers for floor drains and floor sinks, aboveground and subsurface irrigation, and other uses approved by the Authority Having Jurisdiction.

(85) Amending Section 1602.2. Section 1602.2 is amended to read:

1602.2 Plumbing Plan Submission. No permit for a rainwater catchment system shall be issued until complete plumbing plans, with data satisfactory to the Authority Having Jurisdiction, have been submitted and approved. Nonpotable rainwater catchment systems must be stamped and signed by a registered design professional engineer (mechanical or civil), licensed to perform building and site plumbing design work, respectively. The registered design professional engineer (mechanical or civil) is responsible for the design supervision and construction observation of the nonpotable rainwater catchment systems and must provide the Authority Having Jurisdiction with a statement indicating that the as-built system complies with the approved plans and requirements of this code. Nonpotable rainwater catchment systems must be tested and inspected by a plumbing special inspector."

SECTION 4. The Revisor of Ordinances shall, pursuant to the Revisor's authority under ROH Section 1-16.3(b)(1), replace the phrase "effective date of this ordinance" or similar phrase used in the codified language of this ordinance with the actual date on which the ordinance takes effect.

A BILL FOR AN ORDINANCE

SECTION 5. This ordinance takes effect 90 days after its approval; provided that in the interim period after approval, applicants for a Plumbing Code permit may use the Plumbing Code adopted hereby as an alternative to the existing Plumbing Code.

INTRODUCED BY:

Tommy Waters (br)

DATE OF INTRODUCTION:

June 14, 2022
Honolulu, Hawaii

Councilmembers

APPROVED AS TO FORM AND LEGALITY:

Deputy Corporation Counsel

APPROVED this _____day of _____, 20 _____.

RICK BLANGIARDI, Mayor
City and County of Honolulu