

CHAPTER 90

WATER SERVICE SYSTEM

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90.01 DEFINITIONS. The following terms are defined for use in the chapters in this Code of Ordinances pertaining to the Water Service System:

1. "Combined service account" means a customer service account for the provision of two or more utility services.
2. "Customer" means, in addition to any person receiving water service from the City, the owner of the property served, and as between such parties the duties, responsibilities, liabilities, and obligations hereinafter imposed shall be joint and several.
3. "Superintendent" means the Superintendent of the City water system or any duly authorized assistant, agent, or representative.
4. "Water main" means a water supply pipe provided for public or community use.
5. "Water service pipe" means the pipe from the water main to the building served.
6. "Water system" or "water works" means all public facilities for securing, collecting, storing, pumping, treating, and distributing water.

90.02 SUPERINTENDENT'S DUTIES. The Superintendent shall supervise the installation of water service pipes and their connection to the water main and enforce all regulations pertaining to water services in the City in accordance with this chapter. This chapter shall apply to all replacements of existing water service pipes as well as to new ones. The Superintendent shall make such rules, not in conflict with the provisions of this chapter, as may be needed for the detailed operation of the water system, subject to the approval of the Council. In the event of an emergency the Superintendent may make temporary rules for the protection of the system until due consideration by the Council may be had.

(Code of Iowa, Sec. 372.13[4])

90.03 MANDATORY CONNECTIONS. All residences and business establishments within the City limits intended or used for human habitation, occupancy, or use shall be connected to the public water system, if it is reasonably available and if the building is not furnished with pure and wholesome water from some other source.

90.04 ABANDONED CONNECTIONS. When an existing water service is abandoned or service is renewed with a new tap in the main, all abandoned connections with the mains shall be turned off and capped in an approved method at the curb valve.

90.05 PERMIT. Before any person makes a connection with the public water system, a written permit must be obtained from the City. The application for the permit shall include a legal description of the property, the name of the property owner, the name and address of the person who will do the work, and the general uses of the water. If the proposed work meets all the requirements of this chapter and if all fees required under this chapter have been paid, the permit shall be issued. Work under any permit must be completed within 60 days after the permit is issued, except that when such time period is inequitable or unfair due to conditions beyond the control of the person making the application, an extension of time within which to complete the work may be granted. The permit may be revoked at any time for any violation of these chapters.

90.06 FEE FOR PERMIT AND CONNECTION CHARGE. Before any permit is issued, the person who makes the application shall pay \$35.00 to the Clerk to cover the cost of issuing the permit and supervising, regulating, and inspecting the work. In addition, there shall be a tapping fee in the amount of \$125.00 paid before issuance of a permit.

(Code of Iowa, Sec. 384.84)

90.07 COMPLIANCE WITH PLUMBING CODE. The installation of any water service pipe and any connection with the water system shall comply with all pertinent and applicable provisions, whether regulatory, procedural, or enforcement provisions, of the *State Plumbing Code*.

90.08 PLUMBER REQUIRED. All installations of water service pipes and connections to the water system shall be made by a State-licensed plumber.

90.09 EXCAVATIONS. All trench work, excavation, and backfilling required in making a connection shall be performed in accordance with the *State Plumbing Code* and the provisions of Chapter 135 of this Code of Ordinances.

90.10 TAPPING MAINS. All taps into water mains shall be made by or under the direct supervision of the Superintendent and in accordance with the following:

(Code of Iowa, Sec. 372.13[4])

1. Independent Services. No more than one house, building, or premises shall be supplied from one tap unless special written permission is obtained from the Superintendent and unless provision is made so that each house, building, or premises may be shut off independently of the other.
2. Sizes and Location of Taps. All mains six inches or less in diameter shall receive no larger than a three-fourths inch tap. All mains of over six inches in diameter shall receive no larger than a one-inch tap. Where a larger connection than a one-inch tap is desired, two or more small taps or saddles shall be used, as the Superintendent shall order. All taps in the mains shall be made in the top half of the pipe, at least 18 inches apart. No main shall be tapped nearer than two feet of the joint in the main.
3. Corporation Stop. A brass corporation stop, of the pattern and weight approved by the Superintendent, shall be inserted in every tap in the main. The corporation stop in the main shall be of the same size as the service pipe.

4. Location Record. An accurate and dimensional sketch showing the exact location of the tap shall be filed with the Superintendent in such form as the Superintendent shall require.

90.11 INSTALLATION OF WATER SERVICE PIPE. Water service pipes from the main to the meter setting shall be:

1. Standard weight "K" copper;
2. PVC with brass fittings; or
3. Polyethylene (PE) plastic pipe meeting the requirements of ASTM D 2239 and AWWA C901, SDR-7.
 - A. Minimum pressure rating: 200 psi
 - B. Size: As shown in the drawings
 - C. Install with insert stiffeners.
 - (1) Install insert stiffeners in the PE pipe at all connections to fittings. The insert stiffeners shall be made of solid tubular stainless steel.

Pipe must be laid sufficiently level to prevent waving and to such depth as to prevent rupture from settlement or freezing, and in no case less than 48 inches deep.

90.12 RESPONSIBILITY FOR WATER SERVICE PIPE. All costs and expenses incident to the installation, connection, and maintenance of the water service pipe from the main to the building served shall be borne by the owner. The owner shall indemnify the City from any loss or damage that may directly or indirectly be occasioned by the installation or maintenance of said water service pipe.

90.13 FAILURE TO MAINTAIN. When any portion of the water service pipe which is the responsibility of the property owner becomes defective or creates a nuisance and the owner fails to correct such nuisance, the City may do so and assess the costs thereof to the property.

(Code of Iowa, Sec. 364.12[3a and h])

90.14 CURB VALVE. There shall be installed within the public right-of-way a main shut-off valve on the water service pipe at the outer sidewalk line with a suitable lock of a pattern approved by the Superintendent. The shut-off valve shall be covered with a heavy metal cover having the letter "W" marked thereon, visible and even with the pavement or ground. New curb valves are not to be placed on driveways. One-quarter turn ball type stop valves are to be used at the curb valve with all new installations.

90.15 INTERIOR VALVE. There shall be installed a shut-off valve on every service pipe inside the building as close to the entrance of the pipe within the building as possible and so located that the water can be shut off conveniently. Where one service pipe supplies more than one customer within the building, there shall be separate valves for each such customer so that service may be shut off for one without interfering with service to the others.

90.16 INSPECTION AND APPROVAL. All water service pipes and their connections to the water system must be inspected and approved in writing by the Superintendent before they are covered, and the Superintendent shall keep a record of such approvals. If the Superintendent refuses to approve the work, the plumber or property owner must proceed immediately to correct the work. Every person who uses or intends to use the municipal water system shall permit the

Superintendent to enter the premises to inspect or make necessary alterations or repairs at all reasonable hours and on proof of authority.

90.17 COMPLETION BY THE CITY. Should any excavation be left open or only partly refilled for 24 hours after the water service pipe is installed and connected with the water system, or should the work be improperly done, the City shall have the right to finish or correct the work, and the Council shall assess the costs to the property owner or the plumber. If the plumber is assessed, the plumber must pay the costs before receiving another permit. If the property owner is assessed, such assessment may be collected with and in the same manner as general property taxes.

(Code of Iowa, Sec. 364.12[3a and h])

90.18 SHUTTING OFF WATER SUPPLY. The Superintendent may shut off the supply of water to any customer because of any violation of the regulations contained in these Water Service System chapters that is not being contested in good faith. The supply shall not be turned on again until all violations have been corrected and the Superintendent has ordered the water to be turned on.

90.19 OPERATION OF CURB VALVE AND HYDRANTS. It is unlawful for any person except the Superintendent to turn water on at the curb valve, and no person, unless specifically authorized by the City, shall open or attempt to draw water from any fire hydrant for any purpose whatsoever.

90.20 ANTI-BACKFLOW DEVICE REQUIRED. Whenever a water customer uses the City water system to supply water to portable tanks, an anti-backflow device (i.e., check valve, vacuum breaker, or anti-siphon device) shall be installed so as to prevent contamination of the City system. All anti-backflow devices must be approved by the Superintendent prior to installation. There is no fee when requesting the Superintendent's approval and inspection; however, failure to obtain the Superintendent's approval and inspection of anti-backflow devices or failure to install anti-backflow devices when City water is used for supplying water to portable tanks will result in a penalty not to exceed the cost of replacing contaminated water lines or mains.

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