

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. "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.
2. "Superintendent" means a licensed water plant operator of the City's water system or any duly authorized assistant, agent or representative.
3. "Water Main" means a water supply pipe provided for public or community use.
4. "Water Service Pipe" means the pipe from the water main to the building served.
5. "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 residence 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 a service is renewed with a new tap in the main, all abandoned connections with the mains shall be turned off at the corporation cock and made absolutely watertight.

90.05 PERMIT. Before any person makes a connection with the public water system, a written permit must be obtained from the Clerk. The application for the permit shall be filed with the Clerk on blanks furnished by the Clerk. The application 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. No different or additional uses will be allowed except by written permission of the Clerk. The Clerk shall sign and issue the permit and state the time of issuance, if the proposed work meets all the requirements of this chapter and if all fees required under this chapter have been paid. Work under any permit must be begun within sixty (60) days after it is issued. The Clerk may at any time revoke the permit for any violation of this chapter and require that the work be stopped.

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

90.06 CONNECTION CHARGE. There shall be connections charges and tapping fees paid to reimburse the City for costs borne by the City in making water service available to the property served, in the following amounts:

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| 1. Single Family Dwelling | - \$500.00 |
| 2. Duplex, each unit | - \$500.00 |
| 3. Commercial or Industrial | - \$1,500.00 per acre.
Over 5 acres
may be negotiated. |
| 4. 4-plex or Larger Residential Structure | - \$500.00 per unit |

The connection charge for a customer outside the City limits is one and one-half (1 ½) times the fee shown above.

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 Division 4, Plumbing Rules and Regulations, of the State Building Code.

90.08 PLUMBER REQUIRED. All installations of water service pipes and connections to the water system shall be made by a plumber licensed in accordance with Chapter 125 of this Code of Ordinances.

90.09 EXCAVATIONS. All trench work, excavation and backfilling required in making a connections shall be performed in accordance with applicable excavation provisions as provided for installation of building sewers and/or the provisions of Chapter 135.

90.10 TAPPING MAINS. After the excavation for the water service has been made and the fee for the connection has been paid to the Building Department or a company approved by the Water Department shall tap the main, in accordance with the following:

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 premise may be shut off independently of the other.
2. Sizes of Pipes. All single family dwelling and each unit of a duplex must have one-inch (1") or larger water line prior to tapping the City main. Each water line of a duplex shall have a separate shut-off valve in the City right-of-way. Commercial or industrial customers shall also have a one-inch (1") minimum size water line and the minimum size water line required for 4-plex and larger residential structures is a two-inch (2") line.
3. Sizes and Location of Taps. All mains six (6) inches or less in diameter shall receive no larger than a three-fourths (3/4) inch tap. All mains of over six (6) inches in diameter shall receive no larger than a one inch tap. Where a larger connection than a one inch tap is desired, two (2) or more small taps or saddles shall be used, as the Superintendent shall order. All taps in the mains shall be made at or near the top of the pipe, at least eighteen (18) inches apart. No main shall be tapped nearer than two (2) feet of the joint in the main.
4. Corporation Cock. A brass corporation cock, of the pattern and weight approved by the Superintendent, shall be inserted in every tap in the main. The corporation cock in the main shall in no case be smaller than one size smaller than the service pipe.

5. 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.

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

90.11 INSTALLATION OF WATER SERVICE PIPE. Water service pipes from the main to the meter setting shall be standard weight type K copper, one hundred forty (140) pound test P.V.C., or approved cast iron. Pipe must be laid sufficiently waving, and to such depth, as to prevent rupture from settlement or freezing.

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. The Superintendent may order the water shut of from the property supplies by the services that has not been repaired or replaced within twenty-four (24) hours, or if the Superintendent finds that the damage or failure will result in substantial water loss, the water shall be turned off immediately.

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

90.14 CURB STOP. There shall be installed within the public right-of-way a main shut-off valve of the inverted key type 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.

90.15 INTERIOR STOP AND WASTE COCK. There shall be installed a shut-off valve and waste cock 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 and the pipes drained. 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 twenty-four (24) hours after the water service pipe is installed and connected with the water system, or should the work be improperly done, the Superintendent 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 & h])

90.18 SHUTTING OFF WATER SUPPLY. After following the procedures set out in Section 92.05, the Superintendent may shut off the supply of water to any customer because of any substantial violation of this chapter, or valid regulation under Section 90.02 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 STOP. It is unlawful for any person except the Superintendent or a plumber to turn water on at the curb stop, and said plumber shall take no action contrary to the orders of the Superintendent and shall leave the water off or on, as directed by the Superintendent.

90.20 HYDRANTS. Approved hydrants must be used. Approval is based on the need for uniformity from the standpoint of public safety and maintenance. Hydrants shall be the Clow 2500, Mueller Centurion or equivalent and shall meet the following specifications: Open left 5 ¼ main valve opening, break flange or ground line flange fire hydrants, two 2 ½-inch hose nozzles, National Standard Thread, one 4 ½-inch pumper nozzle for 6'0" depth of bury, with 6" mechanical joint inlet. Hydrants are to be furnished without chains on caps. All hydrants installed must have an 8-inch minimum gate valve and box or as approved by the City.

90.21 PROTECTION HYDRANTS. Hydrants are required on private property at 300-foot intervals where adequate protection from public hydrants are too distant. All hydrants installed for this purpose must be approved hydrants and connect to not less than an 8-inch main or as approved by the City. Under no conditions may a fire line be metered. For this reason, the owner may not use the hydrant or fire line for any purpose other than fire protection, except as

authorized by Section 91.10. Private hydrants will be properly flushed at least annually and generally maintained by the owner unless a maintenance agreement has been executed. A hold harmless agreement to the benefit of the City shall be signed between the City and the party requesting a private hydrant inspection.

90.22 REPLACEMENT OF LEAD SERVICE LINES. All lead service lines shall be replaced upon discovery during construction, reconstruction, or remodeling with materials as specified by Grimes City Standard Specification and the plumbing code (Chapter 155 of this Code of Ordinances) as adopted by the City of Grimes.