

503 APPLICATION FOR INSTALLATION OF WATER SERVICE

503.1 APPLICATION FOR WATER SERVICE PERMIT

503.1.1 The Des Moines Water Works will assign a permit number for installation of a water service from the main up to and including the water meter. Each service must have its own tap in the water main. No work of any nature shall be done in connection with the tapping of any water main, or the introduction of water into the premises (public or private) between the water main and meter, unless a permit has been obtained from the Des Moines Water Works for such work. If a water service tap has not been installed at an address within 6 months of the date of the application, the permit will expire and the applicant must reapply. Each residence or premise requiring water shall have an individual service, which does not take water from another domestic service or building, with the exception of Private Water Mains. (Figures 1-2 & 5-10 and Section 505.9)

503.1.2 In cooperation with the City of Des Moines or other political subdivisions, the Des Moines Water Works will not issue a permit to tap its water mains without a ROW opening or plumbing permit.

503.1.3 The Des Moines Water Works must be provided with the legal description of the property to be served.

503.1.4 Application for water service in unincorporated areas and other areas with small diameter mains will initiate an evaluation of the distribution system in the area to determine if capacity is available to provide the requested service. These applications will be evaluated by Des Moines Water Works before a permit is issued.

503.2 APPLICATION REQUIREMENTS FOR FIRE SERVICES AND DOMESTIC SERVICES 2" IN DIAMETER AND LARGER

503.2.1 GENERAL REQUIREMENTS

The following items shall be submitted to the Des Moines Water Works for review prior to installation of any fire service or any domestic service 2" in diameter or larger.

- 503.2.1.1 A site plan showing buildings, pavement, right-of-way lines, existing water mains, valves, hydrants, and the proposed service line.
 - 503.2.1.2 Plumbing plans which show water meter and backflow preventer locations as well as all water-using fixtures in the building.
 - 503.2.1.3 Fire sprinkler system plans or a written description of the system and a detail of the riser piping.
 - 503.2.1.4 A fire department review form showing maximum required fire flow and approved fire service layout.
 - 503.2.1.5 An estimate of peak domestic demand to assist in selecting and sizing the water meter. If large flow fluctuations are anticipated, a load profile may be required. A load profile is defined as a written or graphical estimate of the lowest measurable flow, average, and peak gallon consumptions for each hour of a 24-hour period. (See Figure 28) Peak flows felt to be unrealistic will be checked using the fixture unit method.
- 503.2.2 The tap may be scheduled with the Des Moines Water Works after the submittal has been reviewed and approved by Des Moines Water Works.
- 503.2.3 The Plumbing Contractor who signs for the tap will be billed for the tap based on current rates as established by the Board and stated in the Schedule of Charges.
- 503.2.4 A connection fee shall be charged and collected for all connections made to the Des Moines Water Works Distribution System. Such fees shall be based on tap size for fire and domestic service as stated in the Schedule of Charges.

503.3 OBLIGATIONS OF PLUMBING CONTRACTORS (Revised January 2019)

Any Plumbing Contractor performing work on the Des Moines Water Works distribution system must have a State of Iowa Plumbing License and provide a \$1,000 bond to the Board, with approved surety, conditioned upon no loss, damage, or injury, including failure to pay fees, being incurred by the Des Moines Water Works by reason of the work of such Plumbing Contractor. The Plumbing Contractor, as a licensed individual, has full personal responsibility for all obligations to Des Moines Water Works even if doing business under an entity or company name or bond. The Des Moines Water Works may refuse to allow taps to be made by a Plumbing Contractor with a delinquent balance owing to Des Moines Water Works for prior work performed by the Plumbing Contractor either in such person's own name or under a company or entity name. The Des Moines Water Works may refuse to recognize any Plumbing Contractor who fails to comply with these Rules and Regulations or meet such Plumbing Contractor's financial responsibility to Des Moines Water Works.

503.4 PLUMBING INSPECTION

The Des Moines Water Works will make inspections to verify compliance with these Rules and Regulations at the time that the water service is activated.

503.5 WATER FOR BUILDING OR OTHER CONSTRUCTION

Water may be used for building or other construction purposes only after application has been made to the Des Moines Water Works for a temporary construction meter. Temporary meters will not be allowed after building or construction has been completed.

503.6 REUSING EXISTING WATER SERVICE LINES

Any existing unused water service may be utilized provided it is in compliance with these Rules and Regulations and permission is obtained from the Des Moines Water Works in advance. In order to obtain permission lot lines must be clearly identifiable by Des Moines Water Works staff. If not clear, lot pins must be exposed or property corners shall be staked by a licensed land surveyor in the State of Iowa.

503.7 SPECIAL CASES

503.7.1 FIRE SERVICES

Any Plumbing Contractor or other contractor desiring a permit to extend a water service to a premise to supply water for fire protection must complete all items listed under Section 503.2.1.

Additionally, the applicant must provide fire flow requirements and a fire service proposal, reviewed by the Des Moines Fire Marshal or the jurisdictional authority. A copy of this form is included as Figure 29 of these Rules and Regulations.