

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, after Des Moines Water Works determines if the applicant has satisfied the requirements of 503.

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.