

514 SUPPLEMENTAL REQUIREMENTS FOR THE FORMER SOUTHEAST POLK RURAL DISTRICT (added 2007)

All Des Moines Water Works Rules and Regulations shall apply to water service within the former SE Polk Rural Water District with the following additions and/or modification.

514.1 APPLICATION FOR SERVICE

Application for water service in unincorporated areas of the former SE Polk Rural Water District 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' Engineering Department before a permit is issued.

514.2 SERVICE LINE OWNERSHIP

Service lines installed in the area of the former SE Polk System after April 1, 2007 shall be owned by the property owner in accordance with the Des Moines Water Works regular rules for service lines. The owner, at their expense, must keep the service line and related appurtenances from the point of connection to the water main, including corporations, in good working order.

For service lines installed prior to April 1, 2007 the Des Moines Water Works will be responsible for the maintenance and repair of the service line from the point of connection, to the water main up to and including the meter pit, until ownership of the property that is serviced is transferred of record. The owner will be responsible for the remainder of the water service. Ownership and responsibility for repair and maintenance of the entire service line from the water main will transfer to the new property owner at such time as the property changes ownership as recorded in the Polk County Assessor's office. The property owner will become responsible for maintenance and repair of the service line as defined for service lines installed after April 1, 2007.

514.3 WATER SERVICE INSTALLATIONS

Following successful application for water service a new service line shall be installed by a licensed plumber bonded with Des Moines Water Works. Taps will be made by Des Moines Water Works. Service lines shall be installed in accordance with the following and Figure 16A.

514.3.1 PIPE

Pipe for service lines shall be 1" type K copper, red brass, or SDR 9 PEX pipe. PEX pipe can be used between the main and the meter pit or stop box in rural areas of the SE Polk system. If PEX pipe is used for any part of the service line materials and installation shall comply with the requirements set forth in 505.5.

514.3.2 METER PIT

In rural areas where the roadway is constructed with a rural cross section (ditches on either side with no curb) each service installation shall include a meter pit. Meter pits shall be located on private property. Place meter pit 10' from the water main when the property to be served is on the same side of the road as the water main. Place meter pit 10' into private property when the property to be served is on the opposite side of the road as the water main. Meter pits shall be Mueller / Hunt Therma-Coil Meter Box, tandem set design for a water meter in position one and a pressure-reducing valve in position two. Provide 66" deep pit 15" diameter for 5/8" meters or 18" diameter for 3/4" or 1" meters. Provide meter pit with lock-wing angle ball valve inlet, Watts 5M3-Z6 or approved equal 3/4" pressure reducing valve, dual check valve meter outlet, 4" insulation pad, flat non-locking metal lid, and a second flat non-locking metal lid as the base. See detail of Mueller/Hunt Thermal-Coil Meter Pit at Figure 16A. (Revised 2009)

A meter pit will not be required in areas where the roadway is constructed with an urban cross section. In these areas the meter will be set inside the building (provided the setback limit of 250' is not exceeded, in which case a meter pit will be required).

514.3.3 CURB STOP AND STOP BOX

Each service installation shall include a curb stop and stop box. Curb stops shall be located in public right-of-way whenever possible. Place the curb stop 1' out from the property line when the water main is in public right-of-way or on the opposite side of the road from the property. Where the water main is located in a frontage easement on the same side of the road as the property to be served, the curb stop shall be placed 5' from the water main towards the property to be served. Curb stops shall be one-quarter-turn ball valve in accordance with AWWA C800. Provide valve with inlet and outlet connections to match pipe material used for service line and with a predrilled valve head for attaching stationary shutoff rod. See Section 505.6 and DMWW Specifications for specific material requirements. (Revised 2009)

514.4 CROSS CONNECTIONS AND BACKFLOW PREVENTION

Private wells and any piping served by a private well shall be physically disconnected for any plumbing that will be connected to Des Moines Water Works' distribution system. If a well will be left in service, no interconnecting piping shall be allowed even if it is isolated with a valve, and a reduced pressure zone backflow prevention device shall be installed at the service entrance.

514.5 WATER MAIN EXTENSIONS

Each water service must tap in front of the property to be served. Not all properties have access to existing water mains. In cases where service is desired and there is no water main, a new water main must be installed at the property owner's expense. The need for a water main extension will be evaluated during the water service application process. The property owner will be advised of the need for a water main extension and give the option to proceed with installation.

If the property owner chooses to proceed with installation of a water main extension the new water main will be installed by Des Moines Water Works' contracted installer and the cost of the installation, including inspection and administration costs must be paid in advance by the property owner.

