**Section 653.117 Distribution Systems**

a) Distribution systems shall be designed to maintain pressures pursuant to Section 653.106.

b) Pipe shall meet provisions of the AWWA Standards, the Standards and Section 653.111.

c) Water mains shall be sized to deliver the required quantity of water at adequate pressure described in Section 653.106 including fire flow where applicable.

d) The system shall be designed to meet existing demands on the distribution system. Future distribution system demands shall be taken into account.

1) The minimum size water main shall be 4 inch nominal diameter in distribution systems serving incorporated areas, subdivisions or other closely situated housing or commercial units.

2) The minimum size water main shall be 3 inch nominal diameter in distribution systems serving rural areas where service connections are widely spaced, water usage per service is low and rates of flow are slow.