**Section 604.1425 Hydrants**

1. Only water mains designed to carry fire flows may have fire hydrants connected to them.

1) The fire hydrant lead must be a minimum of six inches in diameter.

2) Auxiliary valves must be installed on all fire hydrant leads.

b) Unless otherwise approved by the Agency under Section 604.145(b), water mains not designed to carry fire flows must have flushing hydrants.

1) Flushing hydrants must be sized to provide flows that will give a velocity of at least 2.5 feet per second in the water main being flushed.

2) No flushing device may be directly connected to any sewer.

c) Each community water supply must develop and maintain a systematic flushing program.

d) Hydrant Drainage

1) When hydrant drains are plugged, the barrels must be pumped dry after use during freezing weather.

2) When hydrant drains are not plugged, a gravel pocket or dry well must be provided unless the natural soils will provide adequate drainage.

3) Hydrant drains must not be connected to or located within 10 feet of sanitary sewers, storm sewers, or storm drains.

4) Hydrant drains must be above the seasonal groundwater table.