

FIRE HYDRANT OPERATION

I. Hydrant Operation Tools

- Hydrant Wrench (available for rent)
- 2 1/2" Gate Valve (attached to meter)
- Sonophone (not provided)

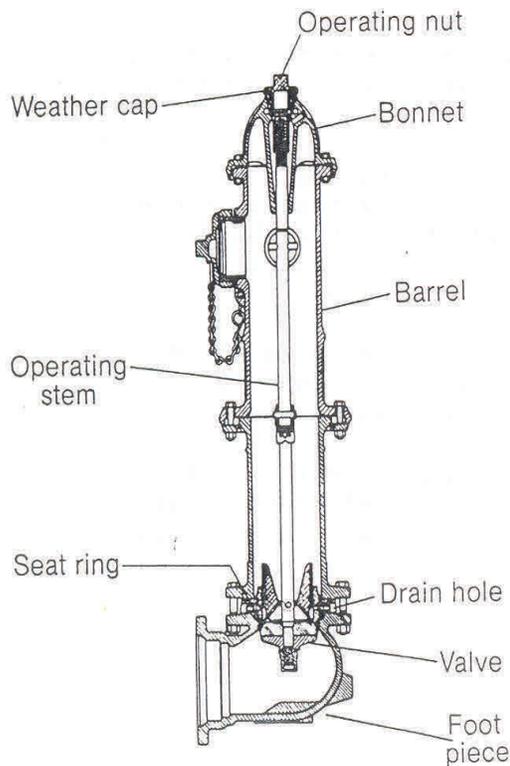
II. Hydrant Operation Procedures

- Attach 2 1/2" gate valve in open position to hydrant nozzle, tighten caps, and connect 2 1/2" hose.
- Open hydrant to full open position. Operate 2 1/2" gate valve to obtain required flow of water. Close 2 1/2" gate valve slowly to minimize the possibility of water hammer.
- Close hydrant; if stem action is tight, repeat operation several times. When opening and closing action is smooth and free and hydrant is closed, open gate valve and remove.
- Observe the drain rate. If draining properly, there should be suction when palm is placed over the outlet.
- Check hydrant for leakage using the sonophone. Tighten operating nut of hydrant if needed to stop leakage. If unable to stop leakage, contact the Transmission and Distribution Division at 279-6164 immediately.
- Tighten nozzle caps, then loosen slightly so that they will not be excessively tight, but leave tight enough to prevent removal by hand.
- Contact the Transmission and Distribution Division after hydrant use to report location and note if hydrant is not operating correctly, not draining properly or any other deficiencies

HYDRANT DO'S AND DON'T'S

- If the operating nut is in the center, don't cinch the main valve closed. Close the hydrant and back off one-half turn to relieve the compression on the main valve.
- Always open a hydrant all the way. Never throttle a hydrant as this may continually flush the drains until the hydrant thrust blocking is undermined.
- Open the hydrant as quickly as you like, but always close them slowly to prevent water hammer.

OPERATING NUT IN CENTER
CLOSES WITH PRESSURE



OPERATING NUT OFFSET
CLOSES AGAINST PRESSURE

