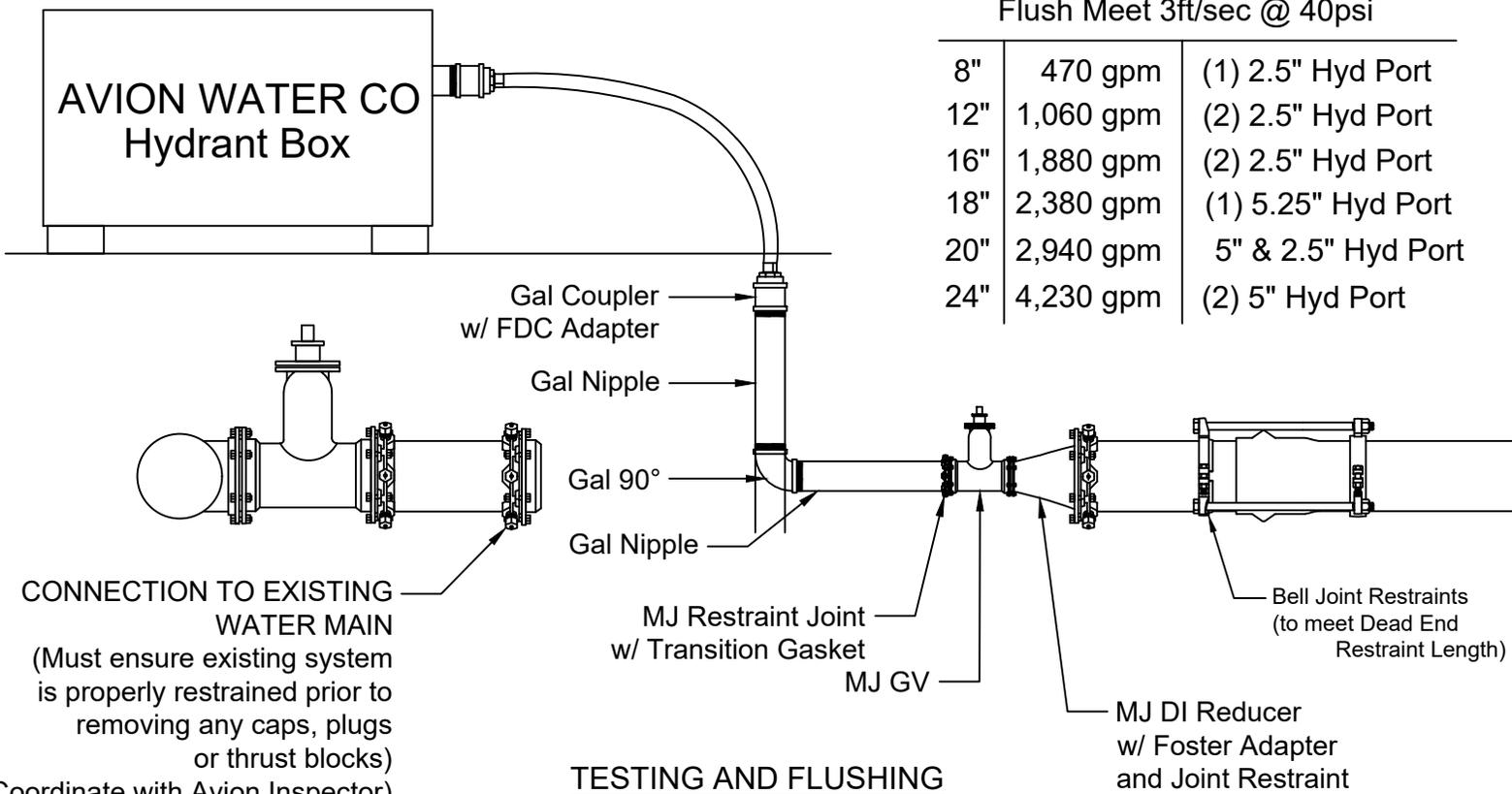


# AVION WATER CO

## FULL SEPARATION CHLORINATION

### Hot Stick Chlorination Detail



#### TESTING AND FLUSHING

Flushing needs to meet AWWA Standards (3.0ft/sec)

- 4"-10" Mainline - May use (1) 2 1/2" Hydrant Port and (1) Hydrant Box
- 12"-16" Mainline - May use (2) 2 1/2" Hydrant Ports and (2) Hydrant Boxes
- Any Mainline 18" and above or any proposed flushing variation must be verified by Avion Water Inspector

#### NOTES:

1. After the pipe is disinfected, flushed and filled with potable water, bacteriological samples must be collected to determine the procedures' effectiveness. At least **two cycles of samples** must be collected from the new pipe. The first cycle of samples shall be collected at least 16 hours after flush (**16hrs to 24hrs**), and the second cycle of samples shall be collected **48hrs** after **result** of the first bacteriological samples.
2. After the new mainlines pass all pressure and bacteriological tests, then the new system can be tied into the existing water system. All tie in parts, valves and fittings, shall sit in a chlorine bath with 50 mg/l chlorine solution for a minimum of 6hrs. All pipe shall be swabbed with a 200 mg/l chlorine solution. Any spray solution shall be 200 mg/l. Based on OAR 333-061-0050 (10)(e)

