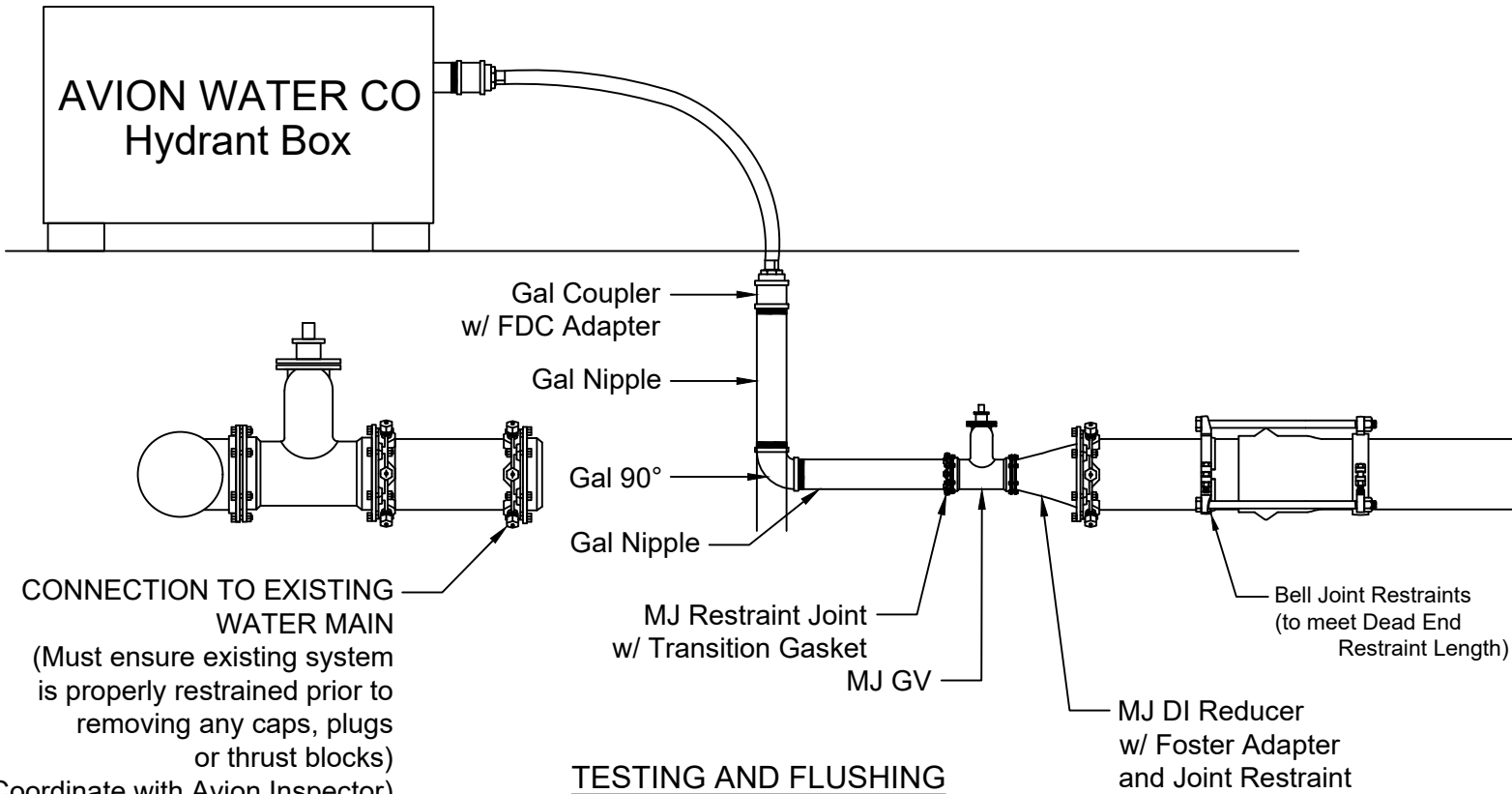


# AVION WATER CO

## FULL SEPARATION CHLORINATION

### Hot Stick Chlorination Detail



#### TESTING AND FLUSHING

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

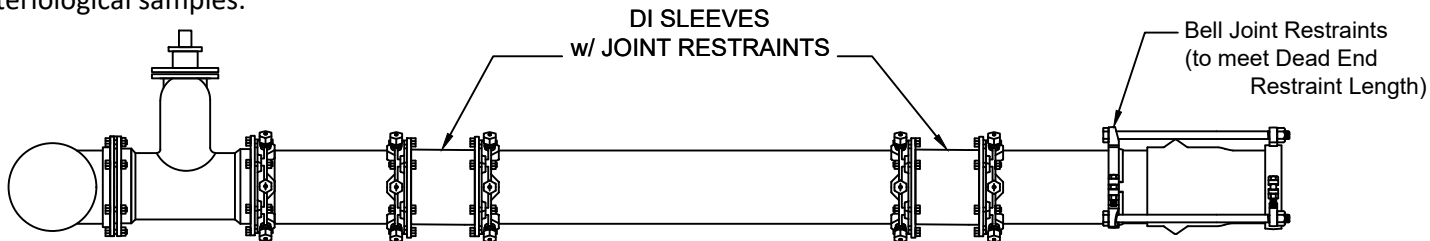
4"-10" Mainline - May use (1) 2 1/2" Hydrant Port and (1) Hydrant Box

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. OAR 333-061-0050 (10)(e)



DWN BY: TEL	Avion design specifications do not relieve the developer, engineer, or contractor from responsibility to design and construct the water system in accordance with good engineering and construction practices. Must adhere to OAR 333-061-0050 Construction Standards.	<h2 style="margin: 0;">AVION WATER CO</h2> <p style="margin: 0;">60813 PARRELL RD BEND, OR 97702</p>	NOT TO SCALE
DATE: JULY 2023		<h3 style="margin: 0;">HOT STICK CONNECTION AFTER FLUSHING</h3> <p style="margin: 0;">Pipe and sleeves to be hand chlorinated</p>	REV/DATE
<p style="margin: 0; font-size: small;">BEND, OREGON</p>			REV/DATE
			REV/DATE