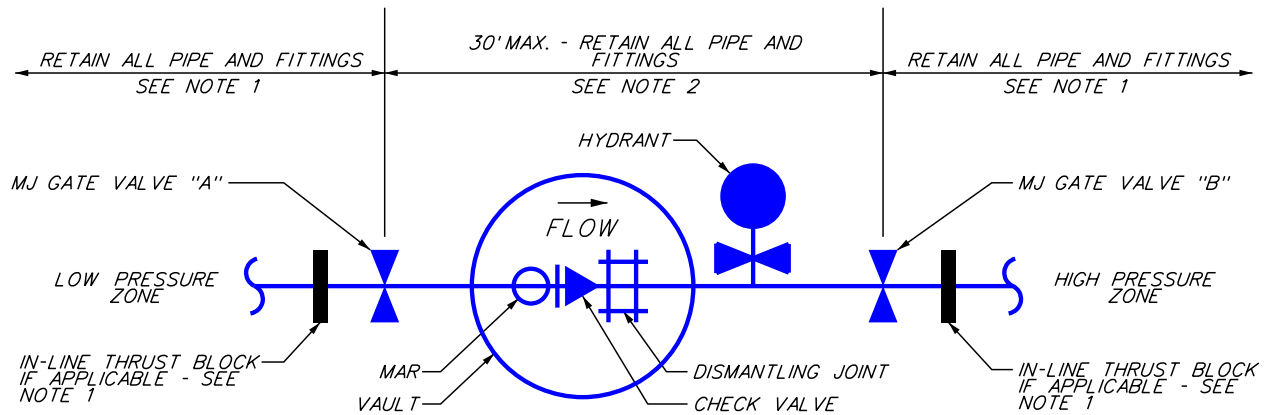


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Approved by: James Bartels		Effective: 9-26-24
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Division Check Valve



NOTES

1. PIPE SHALL BE RETAINED FOR A "DEAD END" CONDITION WHEN VALVE "A" AND VALVE "B" ARE CLOSED AND THE CHECK VALVE IS REMOVED. IN-LINE THRUST BLOCKS ARE ACCEPTABLE IF ADEQUATE PIPE EMBEDMENT LENGTH IS NOT PRACTICAL.

2. NO SERVICE CONNECTIONS SHALL BE ALLOWED BETWEEN GATE VALVES "A" AND "B".

GENERAL

Check valves shall be installed in a vault with a reinforced concrete slab in accordance with Construction Standard [1.8.1](#) and Construction Standard [1.8.3](#). Vaults shall not be less than 60" inside diameter.

Hydrants shall be installed in accordance with Construction Standard [3.0.1](#).

Gate valves shall be installed in accordance with Construction Standard [2.2.0](#).

CC boxes shall be installed in accordance with Construction Standard [1.8.4](#).

Verify valve is installed in the correct direction. Flow direction is always from the low pressure zone to high pressure zone.

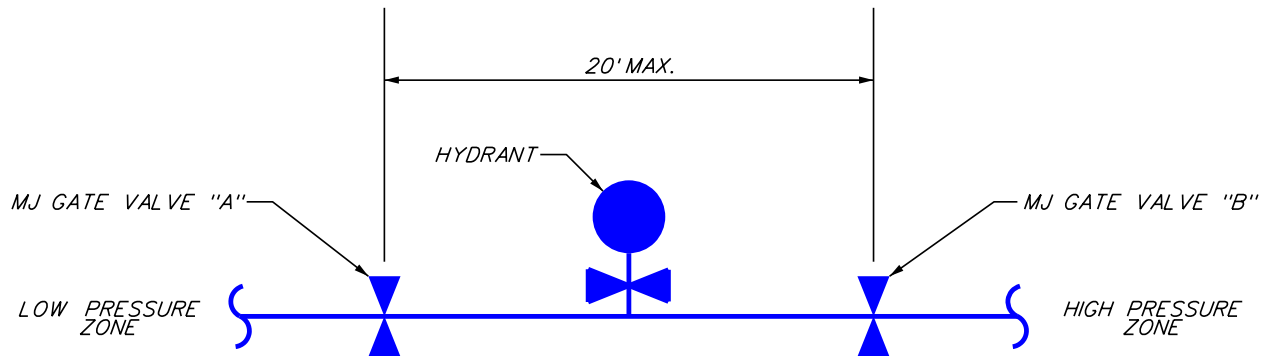
Verify that the flapper valve is installed and the valve is holding prior to placing the main into service.

Operation and testing:

- A. To flush the low pressure side pipe, close valve "B" and open the hydrant.
- B. To flush the high pressure side pipe, open the hydrant as normal.
- C. To test the check valve, close valve "A", open the MAR. If check is holding, no water will be observed flowing from the MAR.

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Division Valve



GENERAL

Vaults shall be installed in accordance with Construction Standard [1.8.1](#).

Hydrants shall be installed in accordance with Construction Standard [3.0.1](#).

Gate valves shall be installed in accordance with Construction Standard [2.2.0](#).

CC boxes shall be installed in accordance with Construction Standard [1.8.4](#).

Operation:

- A. Either valve "A" or valve "B" (but not both) will be designated as a "division valve" on the project drawings or by Engineering. The division valve is normally closed, and the other valve is normally open.
- B. When flushing, close the other valve before opening the division valve – both valves cannot be open at the same time.
- C. After closing the division valve, place a hood or stopper over its operating nut.