



KEYNOTES:

A. VALVE (TYP)

- A.1. MJ GATE VALVES 8" AND SMALLER.
- A.2. MJ BUTTERFLY VALVES 12" AND LARGER.
- A.3. VALVE SIZE SHALL MATCH MAINLINE SIZE.
- A.4. ALL JOINTS SHALL BE RESTRAINED.
- A.5. SEE DETAIL 402 FOR VALVE BOX REQUIREMENTS.

B. APPROXIMATELY 24" SPOOL REQUIRED TO ALLOW FOR 18" SPACING BETWEEN FITTINGS.

C. MJ TEE.

D. MJ CROSS.

NOTES:

1. VALVES SHALL BE INSTALLED PER DETAIL 402.
2. ALL VALVES SHALL BE WRAPPED IN POLYETHYLENE PER DETAIL 402. DUCTILE IRON PIPE AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE WHEN REQUIRED.
3. BUTTERFLY VALVE OPERATOR NUTS SHALL BE ORIENTED ON THE NORTH OR EAST SIDE OF THE MAIN



**TUALATIN VALLEY**  
WATER DISTRICT

DESIGNED: MBA

APPROVED: NWA

SCALE: NONE

**TYPICAL WATER VALVE  
LOCATION**

DATE: 9/2020

DETAIL

**401**