



**NOTE:**

1. APPLICABLE TO DEAD END MAINS, 8" AND SMALLER, WHICH WILL NOT BE EXTENDED.
2. ADD CARV 12" UPSTREAM OF GATE VALVE WHERE DEAD END IS LOCATED AT HIGH POINT.

**KEYNOTES:**

- A. FINISHED GRADE. IF OUTSIDE THE PAVED AREA PROVIDE 4" THICK CONCRETE PAD OVER 4" COMPACTED 1"-0" CRUSHED ROCK. PAD SHALL EXTEND OF A MINIMUM OF 6" AROUND VALVE BOXES. REINFORCE CONCRETE WITH #4 REBAR MAX 12" O.C. CENTERED VERTICALLY IN SLAB. PROVIDE 3" CLEARANCE FROM EDGES AND PENETRATIONS. SEE DETAIL 402.
- B. 2" BRASS PLUG HAND-TIGHT. USE FOOD GRADE GREASE ON PLUG THREADS.
- C. 2" ADAPTER. COPPER SWEAT TO FIPT.
- D. VALVE BOX ASSEMBLY PER DETAILS 402 AND 403.
- E. 2" TYPE K RIGID COPPER TUBING OR THREADED BRASS PIPING.
- F. 2" IRON BODY GATE VALVE WITH 2" OPERATOR NUT.
- G. 2" 90° BEND, COPPER SLIP OR THREADED BRASS.
- H. 8"X8" CONCRETE PIER BLOCK ON NATIVE SOIL.
- I. 2" ADAPTER. COPPER SWEAT TO MIPT.
- J. MJ CAP WITH OFFSET 2" TAP AT BOTTOM. TAP MAY BE CENTERED ON CAP FOR 4" MAINS.
- K. 2" X 12" BRASS NIPPLE.
- L. WRAP VALVE WITH 3 LAYERS OF V-BIO® POLYTHEYLENE ENCASEMENT. EXTEND POLYETHYLENE 6" MINIMUM BEYOND VALVE AND CAP. SECURE TO PIPE WITH 10 MIL PVC PIPE WRAP TAPE. SEE DETAIL 301.

**Tualatin Valley Water District**

1850 SW 170th Ave. Beaverton, OR 97003  
(503)848-3000 www.tvwd.org

DESIGNED: KLS

APPROVED: NWA

SCALE: NONE

**2" STANDARD BLOWOFF  
(4"-8" MAINLINE)**

DATE: 3/1/2018

DETAIL

**306**