


**NOTE:**

1. APPLICABLE TO DEAD END MAINS, 8" AND SMALLER, WHICH WILL BE EXTENDED IN THE FUTURE.
2. ADD CARV 12" UPSTREAM OF GATE VALVE WHERE DEAD END IS LOCATED AT HIGH POINT.
3. LOCATE BLOWOFF MIN 3' FROM EDGE OF PAVEMENT.

**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 DETAIL 402 AND 403.
- E. 2" TYPE K RIGID COPPER TUBING OR THREADED BRASS PIPING.
- F. LINE SIZE GATE VALVE. WRAP VALVE WITH 3 LAYERS OF V-BIO® POLYTHEYLENE ENCASUREMENT. EXTEND POLYETHYLENE 6" MINIMUM BEYOND VALVE AND SECURE TO PIPE WITH 10 MIL PVC PIPE TAPE. SEE DETAIL 301.
- G. 2" 90° BEND COPPER SLIP OR THREADED BRASS.
- H. 8"X8" CONCRETE PIER BLOCK ON NATIVE SOIL.
- I. 2" ADAPTER. COPPER SWEAT OR THREADED BRASS TO MIPT.
- J. MJ PLUG WITH OFFSET 2" TAP AT BOTTOM. TAP MAY BE CENTERED ON MJ PLUG FOR 4" MAINS.

**Tualatin Valley Water District**  
  
 1850 SW 170th Ave. Beaverton, OR 97003  
 (503) 848-3000 www.tvwd.org

DESIGNED: KLS  
 APPROVED: NWA  
 SCALE: NONE

**PHASE BREAK END FOR  
 FUTURE EXTENSION  
 (4"-8" MAINLINE)**

DATE: 3/1/2018

DETAIL

**307**