



GENERAL NOTE:

1. FOR USE ON 12" DIAMETER WATER MAINS.
2. ADD CARV 12" UPSTREAM OF GATE VALVE WHERE DEAD END IS LOCATED AT HIGH POINT

KEYNOTES

- A. 2" DOUBLE STRAP SERVICE SADDLE.
- B. 2" BALL VALVE OR BALL VALVE TYPE CORP STOP, MIPT X MIPT.
- C. 2" BRASS 90° BEND, FIPT X FIPT.
- D. 2" BRASS COUPLING, COPPER COMPRESSION X MIPT.
- E. 2" TYPE K RIGID COPPER TUBING SLOPED AT 1% MINIMUM UP FROM MAIN. TAPE WRAP COPPER SERVICE, SEE DETAIL 602.
- F. 2" IRON BODY GATE VALVE WITH VALVE BOX, SEE DETAIL 402.
- G. 2" X 1" BRASS TEE
- H. 2" X 4" BRASS NIPPLE
- I. 1" CLOSE BRASS NIPPLE
- J. 1" BRASS BALL VALVE, FIPT
- K. 2" BRASS WITH FEMALE X FEMALE CONNECTION ELL.
- L. 2" COMBINATION AIR VALVE. ARI MODEL D-040-C-2.
- M. 1-1/2" SCHEDULE 40 PVC WITH SLIP X MIPT ENDS.
- N. 1-1/2" GALVANIZED TEE.
- O. 1-1/2" GALVANIZED VENT PIPE.
- P. 1-1/2" MORRISON BROS FIG. 155 "DOUBLE OUTLET VENT".
- Q. 1-1/2" GALVANIZED CAP.
- R. 2" X 8" X 16" PRECAST CONCRETE BLOCK.
- S. 2 ~ ARMORCAST MODEL P6000485 (OR APPROVED EQUAL) METER BOXES AND ARMORCAST MODEL A6000484R CONCRETE COVER STACKED TOGETHER OVER 12" DEPTH DRAIN ROCK.

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**TUALATIN VALLEY**  
WATER DISTRICT

APPROVED BY  
PETER BOONE

DRAWING SCALE  
NONE

2" COMBINATION AIR  
AND VACUUM VALVE

EFF. DATE 07/01/24

STANDARD DETAIL

405