



KEYNOTES:

- A. VALVE BOX ASSEMBLY PER STANDARD DETAIL 402.
- B. 6" GATE VALVE. WRAP TEE, VALVE, AND PIPE TO THE FOOT VALVE WITH POLYETHYLENE ENCASUREMENT PRIOR TO BACKFILLING. EXTEND ENCASUREMENT WRAP A MINIMUM OF 6" BEYOND TEE. SECURE TO PIPE WITH 10 MIL PVC PIPE WRAP TAPE. SEE STANDARD DETAIL 301. DO NOT WRAP HYDRANT BARREL.
- C. TEE. NEW CONSTRUCTION TEE SHALL BE MJ X MJ X FLG. CONNECTIONS TO EXISTING MAINS SHALL BE TAPPING TEE PER STANDARD DETAIL 302. THRUST BLOCK REQUIRED ONLY FOR TAPPING TEE.
- D. MECHANICAL JOINT WITH GRIP FOLLOWER, TYP. ALL JOINTS IN HYDRANT ASSEMBLY SHALL BE FULLY RESTRAINED.
- E. 12" X 12" X 8" CONCRETE PIER BLOCK ON UNDISTURBED NATIVE SOIL.
- F. 1-1/2" CLEAN DRAIN ROCK POCKET. 4 CUBIC FEET MINIMUM. MINIMUM 6" ABOVE HYDRANT DRAIN OPENING. PLACE GEOTEXTILE FABRIC OVER TOP DRAIN ROCK TO RESTRICT SOIL FROM MIGRATING INTO DRAIN ROCK POCKET.
- G. MAINTAIN MINIMUM CLEAR SPACE IN ALL DIRECTIONS PER STANDARD DETAIL 503. PLACEMENT OF CONCRETE AROUND HYDRANTS IS PROHIBITED.
- H. FOLLOW MANUFACTURER RECOMMENDATIONS FOR BURY LINE. BREAK FLANGE SHALL BE A MINIMUM 3" AND A MAXIMUM OF 6" ABOVE FINISHED GRADE.
- I. NO RISER KITS ON NEW HYDRANT INSTALLATIONS.
- J. 24" X 24" X 8" CONCRETE BLOCK – 3500 PSI, 2" BELOW SCORE LINE, AND 12" BELOW BURY LINE. CONCRETE SHALL NOT IMPACT WEEP HOLE.
- K. WRAP HYDRANT BARREL WITH PE WRAP BENEATH BURY LINE TO 6 INCHES BELOW CONCRETE BLOCK. ENSURE PE WRAP DOES NOT INTERFERE WITH WEEP HOLE.
- L. ADD VERTICAL BENDS TO MAINTAIN 4' MAX BURY DEPTH.

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**TUALATIN VALLEY
WATER DISTRICT**

APPROVED BY
PETER BOONE

DRAWING SCALE
NONE

FIRE HYDRANT
STANDARD INSTALLATION

EFF. DATE 07/01/24

STANDARD DETAIL

502