



**NOTES:**

1. WALL PENETRATION DETAIL SHALL BE USED ON ALL PENETRATIONS BELOW GRADE, UNLESS WALL PIPE IS USED. WALL PIPE SHALL CONSIST OF A 2" MIN INTEGRAL WEEP RING TO THE CARRIER PIPE CAST INTO CONC WALL.
2. INSIDE DIAMETER OF EACH WALL OPENING SHALL BE OF THE SIZE RECOMMENDED BY THE SEAL MANUFACTURER TO FIT THE PIPE OR CONDUIT AND TO ENSURE A WATER-TIGHT JOINT.
3. WALL SEAL ASSEMBLY SHALL BE OF THE MODULAR MECHANICAL TYPE, CONSISTING OF INTERLOCKING SYNTHETIC RUBBER LINKS SHAPED TO FILL THE ANNULAR SPACE BETWEEN THE PIPE AND THE WALL OPENING. A PRESSURE PLATE SHALL BE PROVIDED UNDER EACH BOLT HEAD AND NUT, WITH THE SEAL CONSTRUCTED TO PROVIDE ELECTRICAL INSULATION BETWEEN WALL AND PIPE.
4. WALL SEAL ASSEMBLY SHALL BE LINK SEAL AS MANUFACTURED BY THUNDERLINE CORP, WAYNE, MICHIGAN, CALPICO PIPE LINX, OR EQUAL.
5. PROVIDE ESCUTCHEONS IN FINISHED SPACES.



**FAIRFIELD-SUISUN  
SEWER DISTRICT**

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**PUMP STATION AND COLLECTION SYSTEM DESIGN STANDARDS**

**WALL PENETRATION DETAIL**

(DETAIL INTENDED FOR USE BY DESIGN ENGINEER, NOT CONTRACTOR)

DETAIL NO.

**4**

DATE  
9/21