



NOTES:

- 1) METERS USED FOR DOMESTIC SHALL BE SENSUS OMNI R2 TR/PL. METERS USED FOR IRRIGATION ONLY SHALL BE SENSUS OMNI T2 TR/PL. METERS USED FOR COMBINED DOMESTIC & IRRIGATION SHALL BE SENSUS OMNI C2 TR/PL. ALL METERS SHALL REGISTER IN THE 1 CF. FIRE LINE ONLY METERS FOR 3" OR GREATER SHALL BE AN RPDA BACKFLOW ASSEMBLY .
- 2) GATE VALVES ON THE MAIN LINE SHALL HAVE HAND WHEELS AND BE SIZED TO MATCH PIPING AND SHALL CONFORM TO CURRENT DISTRICT SPECIFICATIONS, ALL BOLT HARDWARE SHALL BE STAINLESS STEEL WITH FLOUROPOLYMER COATING (BLUE BOLTS & NUTS) FOR UNDERWATER AND VAULT INSTALLATIONS.
- 3) REQUIRED DISMANTLING JOINT SHALL BE INSTALLED ON THE DOWNSTREAM OF METER AND UPSTREAM OF BY-PASS ISOLATION VALVE; STEEL PIPE SUPPORT STANDS SHALL BE HOT DIPPED GALVANIZED PROVIDE SS ANCHOR BOLTS AND 1" NON SHRINK GROUT, TYPICAL INSTALLS REQUIRE THREE TO SIX STANDS DEPENDING ON PIPE SIZE.
- 4) METER BY-PASS LINE SHALL HAVE A GATE VALVE SIZED TO MATCH PIPING. BY-PASS PIPING SHALL BE NO LESS THAN TWO NOMINAL PIPE SIZES LESS THEN THE METER SIZE FOR NON-CRITICAL SERVICES AND FULL METER SIZE FOR CRITICAL SERVICES.
- 5) IF NEW AND EXISTING PIPE ARE OF DISSIMILAR METALS (IE. DUCTILE IRON & STEEL), AN INSULATED COUPLING SHALL BE INSTALLED AT THE CONNECTION POINT. INSTALL LINK SEAL AT ALL PENETRATIONS.
- 6) METER VAULT SHALL BE PRE-CAST (JENSEN OR EQUAL), SIZED TO FIT THE PIPE AND METER BEING INSTALLED. INSTALL RAM NEK AT ALL JOINTS. VAULT SHALL HAVE A METAL SPRING ASSISTED, DOUBLE LEAF, H-20 TRAFFIC RATED LID OR APPROVED EQUAL. CONTRACTOR TO INSTALL BOX WITH LID AT 1 1/2" TO 2" ABOVE THE FINISHED GRADE IN NON TRAFFIC AREAS OR 1/2" BELOW FINISHED GRADE IN TRAFFIC AREAS.
- 7) CONTRACTOR SHALL PROVIDE TWO INCH (2") RECESSED HOLE CENTERED IN METER BOX LID, PROVIDE AND INSTALL TR/PL READER MOUNT AND SENSUS MXU RADIO READ UNIT, 520M SINGLE PORT.
- 8) METER BOX SHALL BE WITHIN EIGHTEEN INCHES (18") OF DISTRICT SERVICE VALVE BOX, UNLESS GREATER DISTANCE IS REQUIRED TO INSTALL METER BOX INSIDE OF PROPERTY LINE.

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WATER METER 3" TO 10"
 NO SCALE

SHEET: S2-D3	FILE: STANDARDS	DRAWN: MAM	SCALE: NO SCALE	DATE: JAN 2017
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WATER SERVICE & METER DETAILS

SOUTH TAHOE PUBLIC UTILITY DISTRICT

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