



- ① BRASS UNION.
- ② REDUCED PRESSURE TYPE CHECK VALVE ASSEMBLY, REFER TO CURRENT LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES PUBLISHED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES.
- ③ METER, INVENSYS (FORMERLY "SENSUS") SR11 SERIES WITH ENCODED REGISTER FOR 3/4 TO 1 INCH SERVICES. SENSUS SR SERIES WITH ENCODED REGISTER FOR 1 1/2 AND 2 INCH SERVICES.
- ④ MXU TRANSCEIVER UNIT SUPPORTED BY 1/2 INCH GALVANIZED OR SCHEDULE 80 CONDUIT, 24 INCHES LONG.
- ⑤ BALL ANGLE METER STOP WITH LOCK EARS.
- ⑥ IRON PIPE SIZE POLYETHYLENE SERVICE TUBING.
- ⑦ BALL CORPORATION STOP.
- ⑧ SERVICE SADDLE.
- ⑨ WATER MAIN OR FLANGE TEE OF COMBINATION SERVICE.
- ⑩ TRACER WIRE, #10 AWG SOLID COPPER WIRE WITH U.S.E. RATED INSULATION.
- ⑪ CONNECT SERVICE TRACER WIRE TO WATER MAIN TRACER WIRE. SPLICES SHALL BE "KURNEY" (SPLIT BOLT) OR "KUPLE TAP". INSTALLATION TAPE SHALL BE VINYL, ELECTRICAL WITH TWO COATS OF "SCOTCH KOTE".
- ⑫ 3/4 INCH AND 1 INCH SERVICES SHALL REQUIRE A CHRISTY B16 BOX WITH A B16D LID. 1 1/2 INCH AND 2 INCH SERVICES SHALL REQUIRE A CHRISTY B36 BOX WITH A FL36D LID. FOR ALL SERVICES IN A DRIVEWAY OR SIDEWALK, A B1730, H/20 LOADING TRAFFIC BOX WITH B1730-51JH COVER SHALL BE REQUIRED.
- ⑬ 1/2 INCH CRUSHED ROCK, 12 INCHES DEEP.

- ⑭ CURB, GUTTER, AND SIDEWALK WITH A 2"x2" LETTER "W" STAMPED OR CHISELED INTO TOP OF CURB DIRECTLY ABOVE THE LOCATION WHERE THE WATER SERVICE CROSSES THE FLOW LINE OF CONCRETE GUTTER.
- ⑮ BRASS PIGTAIL, STRAIGHT METER COUPLING WITH MALE I.P.T.
- ⑯ 4" CLASS "A" CONCRETE PAD AS REQUIRED BY THE CITY. MIN. 6" CLEARANCE FROM EDGE OF DEVICE TO EDGE OF CONCRETE PAD (TYP. ALL SIDES). OR AS NECESSARY TO ACCOMMODATE BACKFLOW ENCLOSURE PLUS 6" FROM ENCLOSURE FRAME TO EDGE OF PAD. MIN. PAD WIDTH IS 18"

NOTES:

- A. WATER METER SHALL LIE IN CITY R/W OR A DEDICATED PUBLIC EASEMENT.
- B. ALL PIPE AND FITTINGS SHALL BE BRONZE/BRASS FROM METER STOP TO ELL (AS SHOWN).
- C. SEE MANUFACTURER'S INSTRUCTIONS FOR CONNECTION FROM REGISTER TO MXU. VERIFICATION THAT THE MXU HAS BEEN PROPERLY CONNECTED AND PROGRAMMED SHALL BE MADE BY THE CITY ENGINEER.
- D. COIL EXCESS TRACER WIRE IN BOTTOM OF METER BOX.
- E. USE STAINLESS STEEL, TYPE 304, NUTS AND BOLTS.
- F. WATER NOT TO BE TURNED ON UNTIL COMPLETE ASSEMBLY IS TESTED AND APPROVED BY THE CITY.
- G. BACKFLOW ASSEMBLY INSTALLATION SHALL INCLUDE A "NEW GENERATION" INSULATED BACKFLOW ENCLOSURE MODEL PW/WSW (FOR 3/4" AND 1") OR PW/E1AW-S (FOR 1 1/2" AND 2") AS MANUFACTURED BY PLACER WATERWORKS OR APPROVED EQUAL WHEN REQ'D BY THE CITY.

THE CITY OF WEST SACRAMENTO – STANDARD DETAIL

APPROVED BY:  CITY ENGINEER
 C-38733 P.E. NO. 3/31/05 DATE

REVISION:	
REVISION:	
REVISION:	
REVISION:	

TITLE: **COMMERICAL WATER SERVICE AND BACKFLOW ASSEMBLY (3/4" TO 2")**

STANDARD DETAIL #: 502

