SEE DETAIL "A"

TEST VALVE
TEST NIPPLE

EXCESS WIRE TO BE COILED & LOOSELY TAPED

12"-18"

TO MAIN OR FLANGE TEE OF COMBINATION SERVICE

DETAIL "A"

WIRE TO TRANSCEIVER
BRASS GROUND CLAMP WITH HUB
BOLT HEAD
1/2" EMT COMPRESSION CONNECTOR
1/2" GALVANIZED CONDUIT

WATER METER

(1) FLANGED SPOOL AND ELBOW.

(2) FLANGED BYPASS TEE TO ALLOW CONTINUED SERVICE UPON MAINTENANCE AND REPAIR OF METER.

(3) STRAINER (SENSUS)

(4) COMPOUND METER. COMPOUND METER SHALL BE INVENSYS (FORMERLY "SENSUS") SHR TYPE WITH ECR REGISTER (READING IN CUBIC FEET). A 6 INCH LONG TEST NIPPLE AND 2 INCH GATE VALVE SHALL BE INSTALLED AT METER TEST PLUG.

(5) BRASS GROUND CLAMP WITH HUB TO BE SECURED TO THE HEAD OF A BOLT LOCATED ON THE TOP AND SIDE OF THE METER. ONE HALF (½) INCH EMT COMPRESSION CONNECTOR TO SECURE ONE HALF (½) INCH GALVANIZED CONDUIT IN HUB OF GROUND CLAMP.

(6) ½ INCH SCH. 80 PVC CONDUIT WITH REQUIRED BENDS AND FITTINGS.

(7) MXU TRANSCEIVER UNIT WITH ½ INCH GALVANIZED CONDUIT SUPPORT, 24 INCHES LONG. SET TOP OF TRANSCEIVER 1 INCH BELOW BOX LID.

(8) CARSON-BROOKS 2200-19 WATER UTILITY BOX. LID SHALL READ "WATER".

(9) FLANGED BY FLANGED, RESILIENT WEDGE GATE VALVE WITH NON-RISING STEM. (TYPICAL ALL VALVES FOR THIS DETAIL).

(10) REDUCED PRESSURE BACKFLOW ASSEMBLY. REFER TO CURRENT LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES, PUBLISHED BY THE STATE OF CALIFORINA DEPARTMENT OF HEALTH SERVICES.

(11) CLASS "A" CONCRETE THRUST BLOCK. SEE DETAIL #519.

(12) FIVE PIPE SADDLE SUPPORTS WITH 13 INCH x 13 INCH x 12 INCH CAST-IN-PLACE FOUNDATION REQUIRED. FOUR REQUIRED ON MAIN ASSEMBLY AND ONE REQUIRED ON BYPASS ASSEMBLY.

(13) SECURE SCHEDULE 80 PVC CONDUIT TO FLANGE, A MIN. OF TWO (2) FLANGES. CONDUIT SHALL ENTER UTILITY BOX FROM THE BOTTOM.

(14) 6" CLASS "A" CONCRETE PAD.

(15) 12" MIN. (TYP. ALL SIDES) OR AS NECESSARY TO ACCOMMODATE ASSEMBLY ENCLOSURE PLUS 6" FROM ENCLOSURE FRAME TO EDGE OF CONCRETE PAD.

NOTES:

A. ALL JOINTS SHALL BE FLANGED.
B. 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.
C. ALL PIPE BELOW GROUND MUST BE WRAPPED WITH 8 MIL POLYETHYLENE ENCASEMENT.
D. WATER SHALL NOT BE TURNED ON UNTIL DEVICE IS TESTED AND APPROVED BY THE CITY.
E. INSTALL INSULATED CLAM SHELL OR 4-DOOR TYPE BACKFLOW ENCLOSURE AROUND ENTIRE ASSEMBLY AS MANUFACTURED BY PLACER WATERWORKS OR APPROVED EQUAL WHEN REQUIRED BY THE CITY.

THE CITY OF WEST SACRAMENTO - STANDARD DETAIL

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

TITLE: COMMERICAL WATER SERVICE AND BACKFLOW ASSEMBLY 4" AND LARGER

STANDARD DETAIL # 503

THE CITY OF WEST SACRAMENTO · EST. 1867