PLACEMENT OF METER BOX
A. PLACE FRONT EDGE OF METER BOX 8" MAX. BEHIND EXISTING OR PROPOSED 6" OR 8" SIDEWALKS.
B. WHEN PROPOSED OR EXISTING SIDEWALKS IS 12" WID., PLACE FRONT EDGE OF BOX 6" MAX. BEHIND CURB USING APPROPRIATE BOX (SEE NOTE B1).
C. WHEN NO SIDEWALK IS PROPOSED, PLACE FRONT EDGE OF BOX 7.5" BEHIND CURB.
D. WHEN NO CURBS ARE EXISTING OR TO BE INSTALLED UPON COMPLETION OF THE WATER SYSTEM, PLACE BACK EDGE OF METER BOX ON PROPERTY LINE.
E. WHEN INSTALLED IN CONCRETE (SIDEWALK), USE 30"X48" METER BOX WITH 2 PIECE LI ASSEMBLY WHICH INCLUDES CI READING LID.

FLOW RATE TABLE
<table>
<thead>
<tr>
<th>LATERAL SIZE</th>
<th>METER SIZE</th>
<th>FLOW RATE (GPM)</th>
<th>VELOCITY (Ft/s)</th>
<th>METER LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>2&quot; MASTER</td>
<td>120</td>
<td>2.5</td>
<td>17&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>2&quot; OMBI T2</td>
<td>200</td>
<td>4.2</td>
<td>17&quot;</td>
</tr>
</tbody>
</table>

SIDEWALK INSTALLATION

EXISTING OR PROPOSED SIDEWALK

4" WATER SERVICE CONNECTION 2" METER

NOT TO SCALE

NOTES:
1. RISER CAP, METER BOX/VAULT, AND LIDS TO BE PAINTED PURPLE PER EMWD SPECIFICATIONS.
2. ALL 2" PIPE AND FITTINGS SHALL
A. BE MADE OF BRASS OR BRONZE;
B. BE OF THE BANDED PATTERN;
C. BE DESIGNED FOR A MIN OF 175-PSI (COLO) WATER WORKING PRESSURE.
D. 3/4" MIN. FOR EMWD SPLICING KIT.
3. ALL BARE IRON AND STEEL SHALL BE COATED WITH CEMENT MORRIS AS PER THE FIELD ENGINEER.
4. VALVES AND OTHER APPURTENANCES AND FITTINGS AT THE PIPELINE SHALL BE PRIMED, AND WRAPPED WITH PROTECTO-WRAP No. 200 OR 300 TAR RESIN TAPE. BOLTS AND NUTS SHALL BE PROTECTED USING ZINC CAP ANODES IN ACCORDANCE WITH SECTION 2100B.
5. SERVICE LATERAL HOSE & VERT ALIGNMENT MUST DOW SOW VERIFICATION REQUIREMENTS. ALL PIPING AND RELATED COMPONENTS SHALL BE IDENTIFIED FOR RECYCLED WATER USE PER DEVISION OF DRINKING WATER REQUIREMENTS AND EMWD SPECIFICATIONS. INSTALL IDENTIFICATION TAPE (CITY'S PART NO. 1A-D1-03-PRW) AND LOCATOR WIRE PER EMWD SPECIFICATIONS.
6. ALL SERVICE PIPES AND TUBING SHALL BE LAYED ON A CONSTANT SLOPE UP FROM THE WATER MAIN TO THE METER. NO DIPS OR POCKETS IN 'THE LINE WILL BE PERMITTED. 36" COVER SHALL BE MAINTAINED AT GAS MAIN CROSSINGS.
7. THREAD NOTATION THUS:
   IP = IRON PIPE THREAD;
   CS = CORPORATION STOP (MILLER THREAD);
   PI = PACK JOINT
   CTS = COPPER TUBE SIZE
   CTS A.S. = COPPER TUBE SIZE ANGLE STOP
8. VALVE BOX SHALL BE EMWD APPROVED 8" DIA X 10" DEEP, COMPLETE WITH COVER AND ONE (1) - 1/2" EXTENSION. LID TO BE PAINTED PURPLE.
9. 10" METER BOX SHALL BE EMWD APPROVED 17" X 30" COMPLETE WITH COVER, LID, AND ONE (1) - 2" EXTENSION WITH KNOCKOUTS AND AMR/AMR ANTENNA PORT (SEE NOTE E FOR SIDEWALK INSTALLATION). LID TO BE PAINTED APPROVED.
10. SPACER ASSEMBLY SHALL NOT HAVE THE ABILITY TO CONVEY FLUIDS, SHALL BE CLIPS AND NON-ADJUSTABLE. (NO SPACERS ALLOWED) SPACER ASSEMBLY LENGTH PER METER MANUFACTURES SPECIFICATION.
11. WHEN METER IS FURNISHED BY OTHERS, ANGLE METER STOP SHALL BE LOCKED CLOSED WITH LEAP SEAL AND THREE-STRAND SEALING WIRE.
12. 13. METER DIMENSIONS MAY VARY, METER INSTALLATION SHALL BE PER METER MANUFACTURERS SPECIFICATIONS AND EMWD STANDARDS AND SPECIFICATIONS.
13. ALL MATERIALS SHALL BE PER EMWD APPROVED MATERIALS LIST.
14. 15. RESTRAIN OR WELD ALL JOINTS PER EMWD SPECIFICATIONS.
16. METER BOX TO BE INSTALLED DURING CONSTRUCTION OF WATER MAIN/MAINLINE CONSTRUCTION.
17. EMWD TO LOCK OFF ANGLE METER STOP UNTIL METER IS INSTALLED. NO METER SHALL BE INSTALLED UNTIL PROVED BY EMWD.
   A. METER SHALL BE PER EMWD APPROVED MATERIAL LIST WITH AMR & READ IN CUBIC FEET.
   B. METER JUMP SHALL BE "NO JUMP.
   C. 10" BRASS NIPPLE, VALVE AND METER FITTINGS SHALL BE INSTALLED WHEN METER IS INSTALLED.
18. METER SHALL BE PAINTED PURPLE WHEN METER IS INSTALLED.
19. NO METER SHALL BE INSTALLED PRIOR TO COMPLETION OF CROSS CONNECTION SHUT DOWNTOWNS TESTS HAVE BEEN PERFORMED AND APPROVED BY EMWD.
20. BURIED COPPER TO BE ENCASEDIN 6-MIL PURPLE POLYETHYLENE SLIMS.
21. RECYCLED WATER METER STOP / BALL VALVE SHALL BE COATED WITH PURPLE ENAMEL PAINT. ADD "RECYCLED WATER" TAG TO CURB STOPS.
22. INSPECTORS SHALL METAL STAMP METER STOP / BALL VALVE WITH "RW"
23. CURB SHALL BE INSURED WITH "RW" TO IDENTIFY RECYCLED WATER SERVICE LOCATION.
24. SYSTEMS WITH ONSITE PUMPS SHALL NOT EXCEED 5 FPS VELOCITY WITHIN THE SERVICE LATERAL. SYSTEMS WITHOUT PUMPS, SHALL NOT EXCEED 10 FPS.