**NOTES**

1. METER DIMENSIONS MAY VARY. CONTRACTOR SHALL VERIFY METER DIMS & SUPPLY UTILITY BOX WITH SPECIFIC CLEARANCE, WALL THICKNESS PER MANUFACTURER SPECIFICATION.

2. METER REGISTERS TO BE IN ACCORDANCE WITH CODE.

3. FLANGED REDUCER SHALL BE INSTALLED AT ENCH MSV TO ACCOMODATE A 4" METER CONNECTION.

4. METER VALVE SHALL BE PLACED ON A MIN. 8" THICK BED_ING OF 1" COARSE GRAVEL.

5. READ HOLES ARE TO BE POSITIONED OVER METER REGISTERS AFTER METER IS INSTALLED PER B-976.

6. VALVE VDD TO BE PRIMED & PAINTED EMWD APPROVED PURPLE.

7. ALL MATERIALS PER EMWD APPROVED MATERIAL LIST.

8. DEPTH OF METER SHALL BE 30" MAX FROM VALLEY TO TOP OF METER.

9. IF VALLEY IS PLACED IN DIRT/LANDSCAPE, PLACE TOP 4" ABOVE GRADE AND GRAVE AWAY FROM VALLEY TO PREVENT WATER FROM ENTERING.

10. PROVIDE A MINIMUM 4" CLEARANCE BETWEEN PIPE AND KNOCKOUT HOLE WITH A MINIMUM OF 6" CLEARANCE ABOVE THE VAULT FLOOR. METER SUPPORT AS REQUIRED.

11. FOR INDUSTRIAL AND COMMERCIAL CUSTOMERS, A 2" BYPASS LINE IS REQUIRED.

12. 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 (CCD)
   WATER WORKING PRESSURE.

13. SYSTEMS WITH ONSITE PUMPS SHALL NOT EXCEED 5 FPS VELOCITY WITHIN THE SERVICE LATERAL. SYSTEMS WITHOUT PUMPS, SHALL NOT EXCEED 10 FPS. (SEE FLOW RATE TABLE).

14. CONTRACTOR SHALL RETURN AFTER ROAD SHOULD OR PARKWAY IS COMPLETE TO INSTALL METER VALVE, AND SHALL BE RESPONSIBLE FOR COORDINATING WORK OF OTHER CONTRACTORS FOR SAFEGUARDING SERVICES UNTIL METER VALVE IS SET.

15. INSTALL LADDER PER B-329 OR B-320 FOR VAULT DEPTHS GREATER THAN 5 FT.

16. WHEN A SMALLER METER IS USED, REDUCED PIPE SIZING SHALL BE 2/3 TIMES THE PIPE DIAMETER IN LENGTH AT A MINIMUM FOR BOTH PRE AND POST METER PIFFING.

**FLOW RATE TABLE**

<table>
<thead>
<tr>
<th>FUTURE METER SIZE</th>
<th>FLOW RATE (GPM)</th>
<th>EMWD STD DWG</th>
<th>LATERAL SIZE</th>
<th>VELOCITY (FT/S)</th>
<th>METER LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; OMNI C2</td>
<td>800</td>
<td>PB-1</td>
<td>6&quot;</td>
<td>8.2</td>
<td>20&quot;</td>
</tr>
<tr>
<td>4&quot; OMNI T2</td>
<td>1080</td>
<td>PB-1</td>
<td>6&quot;</td>
<td>10.2</td>
<td>23&quot;</td>
</tr>
<tr>
<td>4&quot; OMNI C2</td>
<td>800</td>
<td>PB-1</td>
<td>8&quot;</td>
<td>4.7</td>
<td>20&quot;</td>
</tr>
</tbody>
</table>

**REFERENCES**

- FILE I.D.: Vuxa|eng|List|dwg|PB-14.dgn
- DRAWN BY: CM
- SCALE: NONE

**EASTERN MUNICIPAL WATER DISTRICT STANDARD DRAWING**

**4" RECYCLED METER INSTALLATION**

**APPROVED** Charlie Bachmann 07/10/07

**DATE**