**SERVICE LINE INSTALLATION**

**2" METER INSTALLATION**

**NOTES**

1. **OBSTRUCTIONS:** Meters shall be placed 3'-FT MIN. FROM ANY OBSTRUCTION (SIGNS, FENCES, MAILBOX, ETC.). Meters shall be installed 10'-FT MIN. FROM TREES (5'-FT MIN. FROM SHRUBS). See W-18 FOR ADDITIONAL DETAILS.

2. **WATER-SEWER SEPARATION:** WATER-SEWER (OR WATER-RECYCLED WATER) SEPARATION SHALL COMPLY WITH ALL CALIFORNIA DEPARTMENT OF HEALTH SERVICES REQUIREMENTS. WATER SERVICES SHALL BE 10'-FT MIN. (PARALLEL) AND 1'-FT MIN. ABOVE (PERPENDICULAR) ALL SEWER (OR RECYCLED WATER) UTILITIES.

3. **HOT-TAP:** HOT-TAPS TO ACTIVE WATER MAINS SHALL BE MADE BY CITY FORCES AT APPLICANT’S EXPENSE. See W-16 FOR HOT-TAP REQUIREMENTS. HOT-TAP SHALL BE INSTALLED 24'-MIN. FROM ANY TAP, BELL, FITTING, WATER SERVICE, ETC.

4. **METALLIC PIPE AND FITTINGS:** BURIED SECTIONS SHALL BE WRAPPED WITH AN 8-MIL PLASTIC SLEEVE. COPPER PIPE NOT WRAPPED IN A PLASTIC SLEEVE SHALL BE NSF 61 APPROVED PLASTIC COATED COPPER TUBING (TYPE "K" SOFT BLUE IN COLOR). INSULATED COUPLING SHALL BE WRAPPED WITH 10-MIL HIGH TACK PIPE WRAP TAPE 3'-FT MIN. TO EACH SIDE OF THE INSULATION POINT.

5. **METER BOX AND SERVICE LINE INSTALLATION:** INSTALL 3'-FT MIN. OUTSIDE ANY VEHICULAR ACCESS WAY.

6. **CURB ADJACENT SIDEWALK:** INSTALL THE METER AT BACK OF CURB AS SHOWN. INSTALL BACKFLOW DEVICE BEHIND SIDEWALK.

7. **BACKFLOW PREVENTION DEVICES:** APPROVED DEVICES SHALL BE INSTALLED AND TESTED PRIOR TO THE INSTALLATION OF METERS. USE OF JUMPERS, HOSE BIBS, ETC. IS PROHIBITED.

8. **TWO OR MORE SERVICES:** INSTALLATION OF TWO OR MORE SERVICES REQUIRE CONNECTION OF PERMANENT ADDRESS TAGS FOR EACH METER WHICH SHALL BE DURABLY FIXED TO THE METER PRIOR TO WATER SERVICE ACTIVATION.

9. **WATER SERVICE SIZE:** ALL WATER SERVICES SHALL BE APPROPRIATELY SIZED FOR THE INTENDED USE. THE WATER DIVISION RESERVES THE RIGHT TO REQUIRE A WATER SERVICE ANALYSIS TO EVALUATE DEMANDS AND THE APPROPRIATENESS OF THE SERVICE SIZE(S). UNDERSIZED WATER SERVICES ARE PROHIBITED.

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**ALTERNATE MATERIALS MUST BE APPROVED BY THE CITY OF NAPA WATER DIVISION PRIOR TO USE**

**FLANGETYTE GASKETS BY U.S. PIPE SHALL BE USED FOR ALL FLANGED FITTINGS. INSULATING GASKETS SHALL BE TYPE E 1/8" THICK FULL-FACED NEOPRENE PHENIC GASKETS INSTALLED WITH GRADE 9-10 FIBERGLASS EPOXY INSULATING BOLT SLEEVES AND WASHERS.**

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**APPROVED FITTINGS**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>MUELLER</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSULATED CORR. STOP (NP x COP)</td>
<td>W-35036-1 550V</td>
</tr>
<tr>
<td>2&quot; BRASS SQ. WRENCH NUT ADAPTER</td>
<td>B-20299</td>
</tr>
<tr>
<td>COUPLING (COMP x COMP)</td>
<td>H-15463</td>
</tr>
<tr>
<td>90° BEND (COMP x COMP)</td>
<td>H-15526</td>
</tr>
<tr>
<td>ANGLE STOP (COMP x METER FLANGE)</td>
<td>B-24276</td>
</tr>
</tbody>
</table>

**" SHALL BE INSULATED FITTINGS BY MUELLER OR JONES**