6" MIN. CLEARANCE FROM ALL WALLS OF METER VAULT

PLAN VIEW

TRENCHING PER 510S-S&L-SM

BUTYL SEAL AT JOINT (TYP)

HATCH PER SPL WW-614

REMOVABLE TOP

TO APPROVED BACKFLOW PREVENTER

NO BEND CLOSER THAN 10 TIMES PIPE DIAMETER BEFORE METER

PROFILE VIEW

The City of San Marcos
Engineering and Capital Improvements

3" DOMESTIC METER SERVICE CONNECTION WITH BYPASS

RECORD COPY SIGNED BY 6/2/2017
LAURIE MOYER, P.E. ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 520S-15A-SM 1 OF 2
## MATERIALS

<table>
<thead>
<tr>
<th>LABEL</th>
<th>ITEM</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>SUPPLY PIPE SCH. 80 FULLY RESTRAINED SPL. WW-587</td>
<td>3&quot;</td>
</tr>
<tr>
<td>B</td>
<td>DUCTILE IRON TEE MJ X MJ SPL. WW-587B</td>
<td>3&quot;</td>
</tr>
<tr>
<td>C</td>
<td>SUPPLY PIPE SCH. 80 FULLY RESTRAINED (LENGTH MINIMUM OF 12&quot;) SPL. WW-587</td>
<td>3&quot;</td>
</tr>
<tr>
<td>D</td>
<td>DUCTILE IRON 90° BEND - HARCO KNUCKLE JOINT RESTRAINT, OR APPROVED EQUIVALENT SPL. WW-587B</td>
<td>3&quot;</td>
</tr>
<tr>
<td>E</td>
<td>RERAINT DRESSING COUPLINGS - MAXI-GRIP OR APPROVED EQUIVALENT SPL. WW-587B</td>
<td>3&quot;</td>
</tr>
<tr>
<td>F</td>
<td>RESILIENT WEDGE GATE VALVE, M.J., WHEEL HANDLE SPL. WW-700B</td>
<td>3&quot;</td>
</tr>
<tr>
<td>G</td>
<td>SHUT OF VALVE, RESILIENT WEDGE GATE, FLANGE X M.J. SPL. WW-700B</td>
<td>3&quot;</td>
</tr>
<tr>
<td>H</td>
<td>WATER METER PER STANDARD PRODUCT LIST NO. WW-144 WATER METERS</td>
<td>3&quot;</td>
</tr>
<tr>
<td>I</td>
<td>CUSTOMER CUT OFF VALVE</td>
<td>3&quot;</td>
</tr>
<tr>
<td>J</td>
<td>METER VAULTS PER STANDARD PRODUCTS LIST WW-298</td>
<td>5'X7'</td>
</tr>
<tr>
<td>K</td>
<td>PIPE SUPPORT. (ANVIL INTERNATIONAL, INC. PIPE SUPPORT AND STAND &quot;FIG. 265 AND FIG. 63T&quot; OR APPROVED EQUIVALENT.)</td>
<td>REQUIRED</td>
</tr>
</tbody>
</table>

## NOTES:

1. TOP OF METER VAULT SHALL BE 1" ABOVE GRADE AFTER REVEGETATION OR FLUSH WITH PAVEMENT SURFACE. METER VAULT WILL BE LOCATED BEHIND BACK CURB, OUT OF SIDEWALK OR TRAFFIC LOADED AREA.
2. FOR PIPES AND FITTINGS OUTSIDE THE METER VAULT SHALL BE EMBEDDED AND BACKFILLED PER DETAIL 510S-S&L-SM WITHIN THE ROW OR EASEMENT.
3. WATER METER WILL BE HORIZONTALLY CENTERED WITH THE METER VAULT.
4. TAP TO CITY WATER LINE WILL BE PER CITY DETAIL 510S-WMT-SM WITH A 4" TAP TO THE MAIN.
5. IF THE METER VAULT IS SET AFTER THE METER IS INSTALLED, SIDE NOTCHES IN THE VAULT TO BE FILLED WITH MORTAR AFTER INSTALLATION OF PIPE.
6. TO APPROVED BACKFLOW PREVENTER WILL BE INSTALLED AFTER CUSTOMER CUT OFF VALVE BEHIND PROPERTY LINE OR EASEMENT.
7. PIPES AND FITTINGS TO BE AS SHOWN PER DETAIL.
8. FOR APPROVED METER TYPE CALL THE WATER & WASTEWATER UTILITIES DEPT. AT (512)393-8010.
9. IF METER VAULT HAS CONCRETE BASE A DRAIN MINIMUM 6" DIAMETER WILL BE INSTALLED AND BASE WILL BE GRADED TO DRAIN TO THE DRAIN.
10. THE FLANGE SIDE OF GATE VALVES WILL CONNECT TO METER.

## REFERENCES

DETAIL 510S-S&L-SM
DETAIL 520S-WMT-SM