MATERIAL LIST

<table>
<thead>
<tr>
<th>LABEL</th>
<th>ITEM</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>TEE ROTATED 45° PER STANDARD PRODUCT LIST NO. WW-27B</td>
<td>MAIN SIZE x 6&quot;</td>
</tr>
<tr>
<td>B</td>
<td>DUCTILE IRON 45° BEND - MEGALUG RESTRAINT, OR APPROVED EQUIVALENT M.J. X M.J. WITH M.J. ADAPTOR PER STANDARD PRODUCT LIST NO. WW-27B</td>
<td>6&quot;</td>
</tr>
<tr>
<td>C</td>
<td>SUPPLY PIPE C900 OR DUCTILE IRON FULLY RESTRAINED PER STANDARD PRODUCT LIST NO. WW-308</td>
<td>6&quot;</td>
</tr>
<tr>
<td>D</td>
<td>GATE VALVE (RESILIENT WEDGE GATE, IRON BODY MJ X MJ) WITH VALVE BOX. SEE DETAIL 511S-7-SM FOR GATE VALVE INSTALLATION.</td>
<td>6&quot;</td>
</tr>
</tbody>
</table>

NOTES:
1. ALL DUCTILE IRON PIPE, SLEEVE AND FITTINGS WILL BE COMPLETELY WRAPPED WITH 8-MIL POLYETHYLENE FILM.
2. ALL BACKFILL AND EMBEDMENT PER TRENCH DETAIL 510S-S&L-SM.
3. THIS DETAIL IS ONLY FOR WATER MAINS THAT ARE 16" OR LARGER AT LOW POINTS ON THE MAIN.
4. INSTALL FIRE HYDRANT PER CITY DETAIL 511S-17-SM.
5. FOR FLUSHING OPERATION FIRE HYDRANT WILL BE FULLY OPENED TO PREVENT ROCKS AND DEBRIS FROM WEDGING IN THE FIRE HYDRANT PLUG.
6. 45° DUCTILE IRON BENDS MAY BE USED AFTER GATE VALVE TO BRING SUPPLY PIPE TO FIRE HYDRANT TO PROPER GRADE.
7. CONNECTION TEE SHALL HAVE A 24" MIN. SEPARATION FROM THE WATER MAIN BELLS AND SPIGOTS.

REFERENCES
DETAIL 510S-S&L-SM
DETAIL 511S-7-SM
DETAIL 511S-17-SM

The City of San Marcos  BLOW-OFF HYDRANT
Engineering and Capital Improvements

RECORD COPY SIGNED BY  6/2/2017  THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
Laurie Moy, P.E.  ADOPTED  STANDARD NO. 511S-BH-SM