FILL SPACE BETWEEN EXCAVATED BORE AND ENCASEMENT WITH CEMENT GROUT

EXCAVATED BORE

T-304 STAINLESS STEEL SPACER BODY (MIN. 14 GUAGE THICKNESS)

WELDED T-304 STAINLESS STEEL RISERS (MIN. 10 GUAGE THICKNESS)

STEEL ENCASEMENT PIPE

THICKNESS AS SPECIFIED IN PLANS (MIN. 1/4")

CARRIER PIPE, 90° MAX.

ULTRA HIGH MOLECULAR WEIGHT POLYMER RUNNERS (2" MIN. HEIGHT)

<table>
<thead>
<tr>
<th>PIPE SIZE—CARRIER (DIAMETER)</th>
<th>PIPE SIZE—CASING (DIAMETER) (MIN.)</th>
<th>MINIMUM PIPE THICKNESS (INCHES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>16&quot;</td>
<td>1/4</td>
</tr>
<tr>
<td>8&quot;</td>
<td>18&quot;</td>
<td>1/4</td>
</tr>
<tr>
<td>10&quot;</td>
<td>20&quot;</td>
<td>5/16</td>
</tr>
<tr>
<td>12&quot; ~ 14&quot;</td>
<td>24&quot;</td>
<td>3/8</td>
</tr>
<tr>
<td>16&quot; ~ 18&quot;</td>
<td>30&quot;</td>
<td>7/16</td>
</tr>
<tr>
<td>20&quot;</td>
<td>36&quot;</td>
<td>1/2</td>
</tr>
<tr>
<td>24&quot;</td>
<td>42&quot;</td>
<td>1/2</td>
</tr>
<tr>
<td>30&quot;</td>
<td>48&quot;</td>
<td>1/2</td>
</tr>
</tbody>
</table>

SMOOTH STEEL ENCASEMENT PIPE (MINIMUM 35,000 P.S.I. YIELD STRENGTH)

SEAL ENDS WITH CASCADE WATERWORKS MANUFACTURING COMPANY, MODEL CCES END SEALS, OR APPROVED EQUAL (EACH END)

A SPACER SHALL BE A MAXIMUM OF 18" FROM EACH END OF ENCASEMENT PIPE

SPACING AS PER MANUFACTURER’S RECOMMENDATION, MIN. 6’ (MIN. 3 SPACERS PER JOINT)

FIRST SPACER SHALL BE 18" FROM END OF JOINT

NOTES:

1. CASING SPACER CONFIGURATION AND SPACING SHALL BE AS SHOWN ON MANUFACTURER’S DRAWINGS FOR SPECIFIC WORK; THESE MUST BE ACCEPTABLE TO THE CITY OF ROUND ROCK.

2. CASING SPACER SHALL BE AS MANUFACTURED BY CASCADE WATERWORKS MANUFACTURING COMPANY, MODEL CCES, OR APPROVED EQUAL.

CITY OF ROUND ROCK

PIECE ENCASEMENT DETAIL

DRAWING NO: WT-16

RECORD SIGNED COPY ON FILE AT U&S DEPARTMENT

APPROVED

03-01-18

DATE

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL (NOT TO SCALE)