**NOTE:** MAX OPERATING PRESSURE (PSI)

NOTES:

1. BOLTS AND NUTS SHALL BE ASTM A-325-S COATED WITH FLUOROCOMPOUND FUSION BONDED COATING (TRIFAC BLUE 8800, OR EQUIVALENT)
2. ALL FLANGES SHALL BE ANSI B-16.5 CLASS 300
3. DRAIN LINE SHALL BE GALVANIZED STEEL (SCH80)
4. INSTALL BONDING JUMPERS ACROSS ALL FLANGED CONNECTIONS AND NON-WELDED CONNECTIONS PER DETAIL C901
5. CAST CONCRETE BOX WITH TRAFFIC COVER
6. ALL 8 1/2" CLASS 300 BLIND FLANGE: OWNER FURNISHED

- **INLET**
- **THREADED COUPLING**
- **STEEL BALL VALVE WITH SCREW END**
- **[3000 PSI MIN. CWP] SEE NOTE 6**
- **REINFORCING PLATE AS SPECIFIED**
- **MAN (LUGGING AND COATING AS SPECIFIED)**

**CAUTION:** OPERATOR SHALL ENSURE ALL PUMPS ARE OFF AND THE 24-INCH BUTTERFLY VALVE (V-01) DOWNSTREAM ON SHEET C100 IS CLOSED BEFORE OPERATING THE DRAINS.

**CAUTION:** OPERATOR SHALL ENSURE ALL PUMPS ARE OFF AND THE 24-INCH BUTTERFLY VALVE (V-01) DOWNSTREAM ON SHEET C100 IS CLOSED BEFORE OPERATING THE DRAINS.

**WARNING**

1. Copper wire joint coating not shown for clarity.
2. Maintain separation between multiple test wire connections of one five dia or 127 mm. Whenever it is less.
3. Copper sleeve required for #1 AWG joint bonds or for #2 AWG or smaller test wires.
4. Welder and cartidge size varies according to pipe size and pipe material. Consult welder manufacturer for recommended welder and cartridge size.
5. Coat completed connections with dielectric coating as specified.
6. Pipeline joint coating not shown for clarity.

**PISTON WEAR**

**NOTES:**

1. Pipework system with service pressure class greater than 50 psi. All components furnished shall be suitable for the higher pressure.
2. Provide freeze insulation (Thermapac Insulation with Alum-Mica Insulation) for air valves on bridge (see detail C640).

**ASSUMED BEARING CAPACITY = 3,500 PSI**

<table>
<thead>
<tr>
<th>PIPE BEND (DEG)</th>
<th>22.5</th>
<th>45.0</th>
<th>67.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX OPERATING PRESSURE (PSI)</td>
<td>&lt;310</td>
<td>&lt;310</td>
<td>&lt;310</td>
</tr>
<tr>
<td>NON-METAL PIPE DIAMETER (INCHES)</td>
<td>24</td>
<td>16</td>
<td>14</td>
</tr>
<tr>
<td>ASSUMED BEARING CAPACITY = 3,500 PSI</td>
<td>43</td>
<td>33</td>
<td>47</td>
</tr>
</tbody>
</table>

**NOTE:** This bearing capacity does not apply to any other portions of project & shall be used only for the waterline thrust block columns. Contractor shall be responsible for 1.0% static pressure column when determining required bearing area from table above.

**Table assumes project specific undisturbed trench soil-bearing capacity of 3,500 PSI**

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**Table assumes project specific undisturbed trench soil-bearing capacity of 3,500 PSI**

Thrust Block Detail Table 6/10/22

**KLAMATH RIVER RENEWAL CORPORATION**

CITY OF YREKA WATER LINE

CIVIL STANDARD DETAILS 3