Reflective Tape May Be Wrapped Around The Top Of The Riser To Improve Visibility Of The Inlet

**INLET FOR UNDERGROUND OUTLET**
(Offset Or Top Inlet Connection Shown)

**OFFSET METHOD INLET CONNECTION**

**DIRECT METHOD INLET CONNECTION**

**DESIGN DIMENSIONS**

<table>
<thead>
<tr>
<th>Inlet Number</th>
<th>Orifice Dia.</th>
<th>Inlet Dia.</th>
<th>Offset Dia.</th>
<th>d1(Ft)</th>
<th>d2(Ft)</th>
<th>d3(Ft)</th>
<th>Ground EL(FT)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**STANDARD DIMENSION TABLE**

<table>
<thead>
<tr>
<th>A (Inches)</th>
<th>B (In.)</th>
<th>C (Min. (In.)</th>
<th>E (Deg.)</th>
<th>F (Rows)</th>
<th>Minimum Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.50–3.50</td>
<td>6</td>
<td>4</td>
<td>90</td>
<td>4</td>
<td>0.10&quot; For Metal Or Fiberglass 0.25&quot; For Plastic Or PVC</td>
</tr>
<tr>
<td>3.75–5.50</td>
<td>8</td>
<td>6</td>
<td>60</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>5.75–6.00</td>
<td>10</td>
<td>8</td>
<td>45</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

See Note 2

**DETAIL A**

**DETAIL B**

**NOTES:**
1. Inlet must be fabricated from one of the following materials:
   a. High Density Polyethylene (HDPE) plastic pipe meeting ASTM F405 or F667
   b. Polyvinyl Chloride (PVC) plastic pipe meeting one of the following:
      1. ASTM F949 (minimum 46 psi)
      2. ASTM D1785, minimum Schedule 40
      3. ASTM D2241, SDR 41 or thicker wall
      4. ASTM D3034, SDR 41 or thicker wall
   c. Smooth steel pipe, No minimum wall thickness
   d. Corrugated Metal Pipe, minimum 16 gauge (steel or aluminum)
2. The inlet portion above ground must have slots placed evenly spaced around the circumference of the pipe as shown in the Standard Dimensions Table on this page.
3. The inlet portion below ground may be perforated with holes ¾" diameter or less.
4. Inlet slots must be smooth and burr-free. Ends of slots may be round or square. Slots must not remove more than 50% of material in any horizontal or vertical row of slots.
5. Slots or holes larger than ¾" diameter that are more than 6" below ground must be encased in geotextile or 6" thick gravel to prevent soil movement into the inlet.
6. Geotextile (non-woven, needle punched) Minimum criteria:
   - Grab tensile strength (lbs) ASTM D 4632___________202
   - Elongation at failure (%) ASTM D 4632___________≥50
   - Tensile tear strength (lbs) ASTM D 4533___________79
   - Puncture strength (lbs) ASTM D 6241___________433
   - Ultraviolet light (%) retained strength ASTM D 4355__________min 50
   - Apparent opening size (AOS) ASTM D 4781__________max 0.22 mm (US sieve size 70)
   - Permeability (sec⁻¹) ASTM D 5491___________min 70
7. The tee or elbow diameter must be equal to or larger than the diameter of the conduit downstream from the inlet.
8. Install a reducer immediately above the tee or elbow if the inlet diameter is not equal to the diameter of the tee or elbow.
9. If required, an orifice plate may be installed above the tee to restrict flow. Orifice plates must be firmly supported and removable for maintenance. Orifice plates must be made from an inlet material listed in Note #1 above. The opening must be burr-free. See Design Dimensions table for size details.