INLET FOR UNDERGROUND OUTLET - METAL

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

Slotted Inlet See Detail A

Channel Grade Line

Optional Gravel Filter Backfill See Note 4

Section Of Perforated, Corrugated Plastic Tubing, Fiberglass Wrapping Or 1/4" Hardwarwe Cloth

Tee - See Note 5

Removable Cap Plug Or screen

d₁+d₂ = 5' <Min>

6" Min

d₁

d₂

INLET FOR UNDERGROUND OUTLET

D Rows Of 1"x 4" Vertical Slots Centered.

E Degrees Around The Circumference See Notes 1 & 2

Minimum Thickness:
0.10" For Metal or Fiberglass.
0.25" For Plastic Or PVC.

DETAIL B
ORIFICE PLATE

DETAIL A - SLOTTED INLET
## INLET FOR UNDERGROUND OUTLET - METAL

### STANDARD DIMENSIONS TABLE

<table>
<thead>
<tr>
<th>A (Inches)</th>
<th>B (Inches)</th>
<th>C (Min. Inches)</th>
<th>D (Rows)</th>
<th>E (Deg)</th>
<th>Min. Wall Thickness Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.50-3.50</td>
<td>6</td>
<td>4</td>
<td>4</td>
<td>90</td>
<td>Corr. Gage: 16</td>
</tr>
<tr>
<td>3.75-5.50</td>
<td>8</td>
<td>6</td>
<td>6</td>
<td>60</td>
<td>Smooth: .10</td>
</tr>
<tr>
<td>5.75-6.00</td>
<td>10</td>
<td>8</td>
<td>8</td>
<td>45</td>
<td></td>
</tr>
</tbody>
</table>

### DESIGN DIMENSIONS

<table>
<thead>
<tr>
<th>Inlet Number</th>
<th>Drifice Dia A</th>
<th>Inlet Dia B</th>
<th>d₁ (Ft)</th>
<th>d₂ (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTES:
1. Slotted inlets shall be fabricated from corrugated metal or smooth steel.
2. Slots shall be cut clearly and deburred. Ends of slots may be round or square.
3. Drifice plate, cap and all fittings shall be snug and securely fastened. Drifice plate shall be cleanly cut and free of burrs with care taken not to round the edges.
4. Gravel filter, if used, shall be pit run sand and natural gravel with maximum particle diameter of 2".
5. Fabricated or standard elbow; fabricated or standard tee with main tile line or plug in upstream end; or standard tee with with one end embedded in concrete.
6. An optional break-away coupling may be placed 6-8 inches below ground.
7. Thirty 1' diameter holes per foot of riser may be substituted for the 1'x 4' for 6' diameter riser.

**REFERENCE**

NRCS

**STANDARD Dwg. No.**

IL-543

**Sheet 2 of 2**

**Date 6-29-93**