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

Optional Gravel Filter Backfill. See Note 4

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

Channel Grade Line

Removable Cap Plug Or screen

d₁+d₂ = 5' (Min)

6" Min

d₁

Tee - See Note 5

C (Nominal)

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

DESIGN DIMENSIONS

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

NOTES:
1. Slotted inlets shall be fabricated from corrugated metal or smooth steel.
2. Slots shall be cut clearly and deburred. End of slots may be rounded 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 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
Project
Designed
Checked
Approved

STANDARD Dwg. No.
IL-543
Natural Resources Conservation Service
DATE 6-29-93