### DESIGN DIMENSIONS

<table>
<thead>
<tr>
<th>Inlet No.</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 D.</th>
</tr>
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### 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 F943 (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, \( \frac{3}{8} '' \) minimum wall thickness
   d. Corrugated Metal Pipe, minimum 16 gage (steel or aluminum)

2. The inlet portion above ground must have 1" holes placed evenly spaced around the circumference of the pipe as shown in the table on this page.
3. The inlet portion below ground may be perforated with holes \( \frac{3}{4} '' \) diameter or less.
4. Inlet holes must be smooth and burr-free. Holes must not remove more than 50% of material in any horizontal or vertical row of holes.
5. Holes larger than \( \frac{3}{4} '' \) diameter that are more than 6" below ground must be enclosed in geotextile or 6" thick gravel to prevent soil movement into the inlet.
6. The tee or elbow diameter must be equal to or larger than the diameter of the conduit downstream from the inlet.
7. Install a reducer immediately above the tee or elbow if the inlet diameter is not equal to the diameter of the tee or elbow.
8. 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 dimension table for size details.

### INLET FOR UNDERGROUND OUTLET
(Offset or Top Inlet Shown)

### OFFSET METHOD INLET CONNECTION

### DIRECT METHOD INLET CONNECTION

### DETAIL B
Orifice Plate

### Minimum Thickness
- 0.10" for Metal or Fiberglass
- 0.25" for Plastic or PVC

### Underground Outlet
- Normal
- Conduit

### Elbow or Blind Tee

### 5' Min.
- Flow