INLET FOR UNDERGROUND OUTLET - PLASTIC

TYPE I

End Cap or Screen
Trash Guard
See Note 7

Channel Bottom
Perforated Pipe
(Optional)
See Note 3

COUPLING
(Optional)

TYPE II

6' Max.
3' Min.

INLET ALTERNATIVES

OFFSET CONNECTION

90° Elbow or Blind Tee
See Note 4

Inlet Pipe
Reducer (If Needed)
See Note 5

Flow

OFFSET OR UNDERGROUND OUTLET CONDUIT

DIRECT CONNECTION

Reducer (If Needed)

Flow

Standard Tee
See Note 4

Underground Outlet
Conduit See Note 6

CONNECTION OF INLET TO CONDUIT

REFERENCE

Project
Design
Checked
Approved

Date
Date
Date

NRCS
Natural Resources Conservation Service

STANDARD DWG. NO.
IL-544

SHEET 1 OF 2
DATE 8-17-94
NOTES:
1. Plastic Pipe: Polyvinyl Chloride (PVC) or High Density Polyethylene (PE) pipe with SDR equal to 43 or less.
2. The above ground portion of the inlet, must have holes evenly spaced around the circumference of the pipe, as shown below:

<table>
<thead>
<tr>
<th>Inlet Diameter (Inches)</th>
<th>Minimum Number Of 1&quot; Diam. Holes Per Ft. Of Inlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>25</td>
</tr>
<tr>
<td>6</td>
<td>30</td>
</tr>
<tr>
<td>8</td>
<td>40</td>
</tr>
<tr>
<td>10</td>
<td>50</td>
</tr>
<tr>
<td>12</td>
<td>60</td>
</tr>
</tbody>
</table>

3. The below ground portion of the inlet, may be perforated with holes 5/16 inch diameter or less, to provide drainage around the inlet.
4. The tee or elbow diameter must be equal to or larger than the diameter of the conduit downstream from inlet.
5. Install a reducer immediately above the tee or elbow if the inlet diameter is greater than the diameter of the tee or elbow.
6. The underground outlet conduit, must be installed deep enough to provide a minimum 24" of cover (after construction) to prevent crushing.
7. The trash guard for Type II inlets shall be securely fastened to the inlet. Trash guards may be fabricated from metal rods (1/8" diameter or larger) or galvanized welded wire fabric (16 gage or larger). The spacing between vertical members should be 1 inch.