**RECOMMENDED MAXIMUM PIPE SIZES**

<table>
<thead>
<tr>
<th>Pipe Size</th>
<th>18&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'-0&quot;</td>
<td></td>
</tr>
<tr>
<td>2'-1&quot;</td>
<td></td>
</tr>
</tbody>
</table>

*Note: Recommended sizes are for concrete pipe.*

Sizes for other types of pipe must be verified for fit in accordance with Index 425-001. For larger pipe see bottom detail right and Index 425-010.

**GENERAL NOTES**

1. This inlet is designed for ditches, medians, or other area subject to heavy wheel loads on limited access facilities where debris may be a problem. This inlet is not for use in areas subject to pedestrian and/or bicycle traffic.

2. All reinforcing is Grade 60 bars with 2" min. cover unless otherwise noted. Cut or bend bars out of way of pipe to clear pipe by 1/16". See Index 425-001 for equivalent area of welded wire fabric.

3. All exposed edges and corners shall be 1/8 radius.

4. When alternate "G" grate is specified in plans, the grate is to be hot-dip galvanized after fabrication.

5. Cost of ditch paving to be included in the cost of Inlet. Sodding to be paid for under contract unit price for Performance Turf, ST.

6. For supplemental details see Index 425-001.

7. All dimensions are for both precast and cast-in-place inlets unless otherwise noted.

8. Inlet to be paid for under the contract unit price for Inlets (Dt Type A), EA.

**HORIZONTAL WALL REINFORCING SCHEDULE (TABLE 1)**

<table>
<thead>
<tr>
<th>WALL DEPTH</th>
<th>SCHEDULE</th>
<th>AREA (in.²/ft.)</th>
<th>MAX. SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 10</td>
<td>A12</td>
<td>0.20</td>
<td>12&quot; 8&quot;</td>
</tr>
<tr>
<td>10 - 15</td>
<td>A6</td>
<td>0.20</td>
<td>6&quot; 5&quot;</td>
</tr>
</tbody>
</table>

**SECTION DD**

**SECTION CC**

**SECTION AA**

**SECTION BB**

**SECTION EE**

**NOTE: Alt. B Structure Bottom Only. See Index 425-010 for Structure Bottom Details And Hole Reinforcement.**

**DITCH BOTTOM INLET TYPE A**

**INDEX 425-050**
**TOP SLAB REINFORCING SCHEDULE**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>SLAB DEPTH</th>
<th>SLAB THICKNESS</th>
<th>REINFORCING (2 WAYS) SCHEDULE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIZE: 4'-0&quot;</td>
<td>≥0.5'-40'</td>
<td>9/16&quot;</td>
<td>C</td>
</tr>
<tr>
<td>SIZE: 5'-0&quot;</td>
<td>0.5'-6'-40'</td>
<td>9/16&quot;</td>
<td>C</td>
</tr>
<tr>
<td>SIZE: 6'-0&quot;</td>
<td>6'-39'-29'</td>
<td>9/16&quot;</td>
<td>B</td>
</tr>
<tr>
<td>SIZE: 8'-0&quot;</td>
<td>8'-19'-29'</td>
<td>9/16&quot;</td>
<td>D</td>
</tr>
<tr>
<td>SIZE: 16'-0&quot;</td>
<td>16'-37'-29'</td>
<td>9/16&quot;</td>
<td>E</td>
</tr>
<tr>
<td>SIZE: 24'-0&quot;</td>
<td>24'-37'-29'</td>
<td>9/16&quot;</td>
<td>G</td>
</tr>
</tbody>
</table>

**TOP SLAB OPENINGS**

<table>
<thead>
<tr>
<th>DIAMETER</th>
<th>OPENING SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4'-0&quot; To 8'-0&quot; Min.</td>
<td>2'-0&quot; x 3'-1&quot;</td>
</tr>
</tbody>
</table>

**SECTION AA**

- Centered Inlet Structure Bottom
- 2 Way Reinforcement

**SECTION BB**

- Centered Opening
- See Table For Dimensions
- #4 Bar Each Corner (2'-0" Min. Length)
- #5 Hoop Bar (Peripheral Reinforcement)
- #6 Bars
- 2 Way Reinforcement
- See Tables

**TOP SLAB WITH CENTERED OPENING**

<table>
<thead>
<tr>
<th>SLAB OPENING SIZE</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4'-0&quot; Min. To 8'-0&quot; Max.</td>
<td>(Unless Otherwise Shown in the Plans)</td>
</tr>
</tbody>
</table>

**TOP SLAB OPENINGS**

- 4'-0" To 8'-0" 2'-0" x 3'-1"

**SECTION AA**

- Centered Inlet Structure Bottom
- 2 Way Reinforcement

**SECTION BB**

- Centered Opening
- See Table For Dimensions
- #4 Bar Each Corner (2'-0" Min. Length)
- #5 Hoop Bar (Peripheral Reinforcement)
- #6 Bars
- 2 Way Reinforcement
- See Tables

**ALT. A STRUCTURE BOTTOM FOR INLET TYPE A**

- Centered Inlet Structure Bottom
- 2 Way Reinforcement
- See Tables
- #4 Bar Each Corner (2'-0" Min. Length)
- #5 Hoop Bar (Peripheral Reinforcement)
- #6 Bars
- 2 Way Reinforcement
- See Tables