**If manhole depth exceeds 20 feet, install steps.**

Install infiltration barrier.

1. For additional configurations, maintain a minimum of 12 inches of concrete between vertical edges of pipe openings.
2. 12 inch minimum riser height above all pipe openings.
3. When specified, provide an eccentric flat top in lieu of eccentric cone section.

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**TYPICAL SECTION**

- **Joint Sealant (typ.)**
- **Flexible Pipe Connection (typ.)**
- **Concrete Fillet**
- **Precast Base with Integral Riser Section**
- **Precast Riser Sections**
- **Precast Top**
- **Adjustment Rings**
- **27" dia.**
- **12" min.**
- **Class I Bedding Material**
- **12" min.**
- **6" min.**
- **6'' min.**

**TABLE:**

<table>
<thead>
<tr>
<th>Manhole Diameter (inches)</th>
<th>Maximum Pipe Diameter (inches) for 2 Pipes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>At 180° Separation</td>
</tr>
<tr>
<td>48</td>
<td>24</td>
</tr>
<tr>
<td>60</td>
<td>36</td>
</tr>
<tr>
<td>72</td>
<td>42</td>
</tr>
<tr>
<td>84</td>
<td>48</td>
</tr>
<tr>
<td>95</td>
<td>60</td>
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</tbody>
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