Refer to SW-514 for boxout details.

1. Install four #4 diagonal bars at all pipe openings.
2. Cast-in-place base shown. If base is precast integral with walls, the footprint of the base is not required to extend beyond the outer edge of the walls.
3. 12 inch minimum wall height above all pipes.

Added Class I Bedding Material.
**REINFORCING BAR LIST**

<table>
<thead>
<tr>
<th>Mark</th>
<th>Size</th>
<th>Location</th>
<th>Shape</th>
<th>Count</th>
<th>Length</th>
<th>Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>4t1</td>
<td>4</td>
<td>Beam</td>
<td>------</td>
<td>4</td>
<td>2'-8&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>4b1</td>
<td>4</td>
<td>Base</td>
<td>------</td>
<td>4</td>
<td>7'-10&quot;</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4b2</td>
<td>4</td>
<td>Base</td>
<td>------</td>
<td>8</td>
<td>3'-2&quot;</td>
<td>12&quot;</td>
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<tr>
<td>4w1</td>
<td>4</td>
<td>Walls</td>
<td>------</td>
<td>20</td>
<td>Wall: Height minus 4&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>4w2</td>
<td>4</td>
<td>Long Walls</td>
<td>Varies</td>
<td>7'-4&quot;</td>
<td>12&quot;</td>
<td></td>
</tr>
<tr>
<td>4w3</td>
<td>4</td>
<td>Short Walls</td>
<td>Varies</td>
<td>2'-8&quot;</td>
<td>12&quot;</td>
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</tr>
</tbody>
</table>

**MAXIMUM PIPE DIAMETERS**

<table>
<thead>
<tr>
<th>Pipe Location</th>
<th>Precast Structure</th>
<th>Cast-in-place Structure</th>
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</thead>
<tbody>
<tr>
<td>Short Wall</td>
<td>15&quot;</td>
<td>18&quot;</td>
</tr>
<tr>
<td>Long Wall</td>
<td>60&quot;</td>
<td>66&quot;</td>
</tr>
</tbody>
</table>

1. Install four #4 diagonal bars at all pipe openings.
2. Cast-in-place base shown. If base is precast integral with walls, the footprint of the base is not required to extend beyond the outer edge of the walls.
3. 12 inch minimum wall height above all pipes.

**TYPICAL SECTION**

- **Concrete Fillet**
- **Wall**
- **Precast Beam**
- **Diagonal Bar** (typ.)
- **Adjustment Rings**
- **Base**
- **Long Wall**
- **Short Wall**
- **Walls**

**Max. Pipe Diameters**:
- 6''
- 8''
- 10''
- 12''
- 15''
- 18''
- 60''
- 66''

**Bedding Material**
- 8" min. Class I (typ.)
- 12" min. Class I Bedding Material