### Dimensions

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Height</th>
<th>V</th>
<th>EXC. PER M.R.M.</th>
<th>EXC. PER FOOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>12'-0&quot;</td>
<td>6'-0&quot;</td>
<td>1-9</td>
<td>0.742</td>
<td>0.458</td>
</tr>
<tr>
<td>14'-0&quot;</td>
<td>6'-0&quot;</td>
<td>1-9</td>
<td>0.624</td>
<td>0.389</td>
</tr>
<tr>
<td>16'-0&quot;</td>
<td>6'-0&quot;</td>
<td>1-9</td>
<td>0.500</td>
<td>0.333</td>
</tr>
<tr>
<td>18'-0&quot;</td>
<td>6'-0&quot;</td>
<td>1-9</td>
<td>0.389</td>
<td>0.278</td>
</tr>
<tr>
<td>20'-0&quot;</td>
<td>6'-0&quot;</td>
<td>1-9</td>
<td>0.300</td>
<td>0.200</td>
</tr>
<tr>
<td>24'-0&quot;</td>
<td>6'-0&quot;</td>
<td>1-9</td>
<td>0.250</td>
<td>0.156</td>
</tr>
</tbody>
</table>

### Standard Plans

*Rev. Date: 06-12-2010*

**Mortar Bubble Masonry Headwalls**

- **For Twin R.C. Pipes PC-40**
- **Original Lines:** Dashed Lines
- **Outside Payment Lines:** Solid Lines

**Sections:**
- Section 1-2
- Section 1-3
- Section 1-4

**Dimensions:**
- H: Height
- W: Width
- D: Diameter
- L: Length
- V: Vertical
- EXC.: Exclusive

**Notes:**
- Dimensioning shown are to payment lines. Masonry to be stepped outside payment lines on sloping face.
- Dimensions shown are to payment lines. Mortar bubble masonry to be stepped outside payment lines on sloping face.
- Dimensions shown are to payment lines. Mortar bubble masonry to be stepped outside payment lines on sloping face.

**Materials:**
- Concrete Class A
- Concrete Class B
- Mortar Rubble Masonry
- Gravel Basefill
- Commercial Gravel

**Construction:**
- Concrete Headwalls
- Mortar Bubble Headwalls
- Underdrain Headwalls
- Underdrain "L" Headwalls

**Sections:**
- Section 1-2
- Section 1-3
- Section 1-4

**Plates:**
- HW-3
- HW-4

**Date:** 06-12-2010

**Version:** 06-12-2010