MANHOLE DIAMETERS

<table>
<thead>
<tr>
<th>&quot;P&quot;</th>
<th>&quot;M&quot;</th>
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<tr>
<td>24&quot; to 36&quot;</td>
<td>60&quot;</td>
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<td>36&quot; to 48&quot;</td>
<td>72&quot;</td>
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<td>48&quot; to 54&quot;</td>
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<td>54&quot; to 72&quot;</td>
<td>102&quot;</td>
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<td>72&quot; to 84&quot;</td>
<td>108&quot;</td>
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**NOTES:**

1. See Plans for casting size and type.
2. Manhole steps shall be cast iron or plastic coated steel, weighing not less than ten pounds each.
3. Concrete for poured base shall be 4000 psi concrete. Precast concrete shall conform to ASTM C-478.
4. Where headroom is limited, a precast cover may be substituted for the eccentric cone shown. See Detail B-4.
5. Base may be precast or poured in place concrete. When precast base is used a 6" base of No. 53 crushed stone will be required and all connecting pipes shall be grouted with 3500 psi concrete with a 6" concrete collar.
6. In unpaved areas use a 6" concrete collar to hold grade rings and casting in place.
7. The M.H. shall be backfilled per plans and specifications.
8. The cost of the manhole shall include all of the above items.

**DETAIL C-1α**

Circular Manhole for 24" to 84" Diameter Pipes  
Scale 1/2"=1' (Rev. Date 09/01/04)