**SEPTIC TANK DETAIL / TWO COMPARTMENT WITH PUMP**

Owner's Name: __________________________

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**INTERNAL DIMENSIONS OF TANK**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Inches</th>
<th>Gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liquid Depth</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Pump and alarm are to be installed on separate circuits.

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Model</th>
<th>Capacity</th>
<th>Tank Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tank</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pump</td>
<td></td>
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</tr>
<tr>
<td>Alarm</td>
<td></td>
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<tr>
<td>Filter</td>
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</tr>
</tbody>
</table>

**DOSE VOLUME CALCULATIONS**

- **Design Flow (DWF)**: _______ gal / day
- **Number of Doses**: _______ / day
- **Max. Dose Volume**: _______ gal
- **Drain Back**: _______ gal
- **Design Dose Volume**: _______ gal

**TOTAL DYNAMIC HEAD CALCULATIONS**

- **Min Network Supply**: _______ ft
- **Passive Vertical Lift**: _______ ft
  
  \[\text{Passive Vertical Lift} = (\text{Header/D.Box elev.} - \text{Pump intake elev.})\]
- **Friction Loss**: _______ ft
  
  \[\text{Friction Loss} = \frac{(\text{Forcemain Length} \times \text{Friction Loss Factor})}{100}\]
- **Total Dynamic Head**: _______ ft
- **Min Discharge Rate**: _______ gpm

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Plumber/Designer Signature:  
License #: ___________________  Date: ___________________

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**Diagram:**
- Manholes with locking devices and warning label
- Scum Layer
- Sludge Layer
- Baffle
- Weep hole
- Effluent Filter
- Alarm on
- Pump on
- Pump off
- Dose volume (c)
- Separation (b)
- Reserve (a)
- Dead (d)
- Manhole or Inspection Opening
- 3" Bedding Under Tank
- 4" stable & approved piping
- 4" stables & approved piping
- 23" Min
- 18" Min
- Finish Grade
- <--- 23" Min --->
- --- <--- 23" Min --->
- 3" Bedding Under Tank