NOTES:
1. When directed, camber pipe culverts upward from a chord through the inlet and outlet invert an ordinate amount equal to 1% of the pipe length. Develop camber on a parabolic curve. If the midpoint elevation on the parabolic curve as designed exceeds the elevation of the inlet invert, reduce the amount of camber or increase the pipe culvert gradient.
2. H equals the diameter of all round pipe culverts or the rise dimension of all pipe arch culverts.
3. See Section 704 for bedding and backfill requirements.

### MINIMUM SPACING

<table>
<thead>
<tr>
<th>Diameter or Span</th>
<th>Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 48&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>48&quot; and up</td>
<td>Half diamter or span or 35&quot;, whichever is less</td>
</tr>
</tbody>
</table>

### ELEVATION

**MULTIPLE PIPE INSTALLATION**

**SECTION A-A**

**PIPING PLUG**

Construct piping plug of impermeable backfill material at the pipe culvert inlet where granular material is used for backfill. Width may be adjusted to tie into impervious material.