CONSTRUCTION SEQUENCE

1. Place structural bedding material to grade, do not compact.

2. Fill pipe to grade. Do not compact outside the middle third of the pipe. A place and compact the bedding up to the middle of the pipe.

3. Complete backfill according to specifications.

NOTE: Haunch and structural bedding material will not be passed for separately, but compensation will be considered to be included on the price bid per meter of concrete pipe.

GENERAL NOTES

1. All pipe shall be protected during construction by a cover sufficient to prevent damage from passage of equipment.

2. The minimum thickness of the outer structural bedding shall be the minimum with maintenance for working conditions.

3. Multiple pipe culverts shall be installed with a minimum clearance of 600mm.

4. Refer to Table 3 for minimum clearances where flared end sections are used.

5. Reclaimed materials should be placed as directed by the engineer. At the end of the culvert to prevent loss of structural bedding when previous material is used for structural bedding or natural soil.

6. For trenches with walls of natural soil, the density of the soil in the lower side shall be determined by the engineer. If the existing soil does not meet this criteria, it shall be removed and replaced to meet the maximum density according to the type of material used.

REINFORCED CONCRETE ARCH PIPE DIMENSIONS

<table>
<thead>
<tr>
<th>CLASS</th>
<th>1600</th>
<th>1850</th>
<th>2050</th>
<th>2250</th>
<th>2500</th>
<th>2750</th>
<th>3000</th>
<th>3250</th>
<th>3550</th>
<th>3800</th>
<th>4000</th>
<th>4250</th>
<th>4500</th>
</tr>
</thead>
<tbody>
<tr>
<td>D (MIN)</td>
<td>900</td>
<td>750</td>
<td>625</td>
<td>600</td>
<td>575</td>
<td>550</td>
<td>525</td>
<td>500</td>
<td>475</td>
<td>450</td>
<td>425</td>
<td>400</td>
<td>375</td>
</tr>
<tr>
<td>D (MIN)</td>
<td>450</td>
<td>460</td>
<td>470</td>
<td>480</td>
<td>490</td>
<td>500</td>
<td>510</td>
<td>520</td>
<td>530</td>
<td>540</td>
<td>550</td>
<td>560</td>
<td>570</td>
</tr>
</tbody>
</table>

MAXIMUM HEIGHT OF FILL OVER R.C. PIPE CULVERTS

- LEGEND -

- H = FILL HEIGHT (METERS)

NOTES: FILL HEIGHT EXCEEDS 15.2m, A SPECIAL DESIGN CONCRETE PIPE WILL BE REQUIRED USING TYPE 4 BEDDING.