CONCRETE CRADLE

CLASS A

SHAPED SUBGRADE WITH GRANULAR FOUNDATION

CLASS B

SHAPED SUBGRADE

GRANULAR FOUNDATION

CLASS C

Note: O.D. = OUTSIDE PIPE DIAMETER

\[ d = \text{DEPTH OF BEDDING BELOW PIPE} \]

I.D. = 675 OR SMALLER –
\[ d \text{ MIN } = 75 \]
I.D. = 750 TO 1500 –
\[ d \text{ MIN } = 100 \]
I.D. = 1650 & LARGER –
\[ d \text{ MIN } = 150 \]

Note: FOR ROCK OR OTHER INCOMPRESSIBLE MATERIALS, THE TRENCH SHOULD BE OVEREXCAVATED A MINIMUM OF 150mm AND REFILLED WITH GRANULAR MATERIAL.
### 'H' Depth from Finished Grade to Top of Main in Metres

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Gravel Clay</th>
<th>Gravel Clay</th>
<th>Gravel Clay</th>
<th>Gravel Clay</th>
<th>Gravel Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>1-1.25</td>
<td>125</td>
<td>100</td>
<td>150</td>
<td>125</td>
<td>175</td>
</tr>
<tr>
<td>1.25-1.5</td>
<td>100</td>
<td>75</td>
<td>125</td>
<td>100</td>
<td>150</td>
</tr>
<tr>
<td>1.5-1.8</td>
<td>75</td>
<td>50</td>
<td>100</td>
<td>75</td>
<td>125</td>
</tr>
<tr>
<td>1.8-2.1</td>
<td>50</td>
<td>25</td>
<td>75</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>2.1-2.4</td>
<td>25</td>
<td>0</td>
<td>50</td>
<td>25</td>
<td>75</td>
</tr>
<tr>
<td>2.4-2.7</td>
<td>0</td>
<td>0</td>
<td>25</td>
<td>0</td>
<td>50</td>
</tr>
<tr>
<td>2.7-3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>3.0 or more</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

*Indicates depth not practical

### The City of Spruce Grove

**Planning and Infrastructure**

**Insulation Requirements**

- **Drawn:** T. Crawford
- **Date:** March 6, 2006
- **Checked:** J. Mustard
- **Scale:** Not to Scale
- **Approved:** J. Mustard
- **Drawing No.:** GL-02
NOTES:
1. WHEN CUT BACK SLOPES ARE TO BE USED IN LIEU OF CAGES AND SHORING, THESE SLOPES ARE TO MEET REQUIREMENTS OF LOCAL CODES.
2. SEE SPECIFICATIONS FOR MINIMUM COVER ABOVE PIPE.
3. MIN. PIPE ZONE WIDTH IS SPECIFIED TO ALLOW PROPER PIPE ZONE COMPACTION.
4. Bc = OUTSIDE PIPE DIAMETER.
5. FOR UNCOMPACTED BACKFILL, CROWN TRENCH BY 0.1 x H.