**TYPICAL JUNCTION BOX CONFIGURATIONS**

**LEGEND:**
- A: Type Junction Box to connect catchpit with pipe. Dia: 900mm x 600mm.
- B1: Type Junction Box to connect to junction box at catchpit.
- B2: Type Junction Box to connect to junction box at catchpit.
- C: Type Junction Box connecting 2 pipes (no catchpit), size varies.
- D: Type Junction Box to connect catchpit with pipes, size: 900mm x 600mm.

**LOW POINT, S < 2400mm**

- B1
- C
- B3
- B2

**LOW POINT, S > 2400mm**

- A1
- A
- A1
- A

**TYPICAL JUNCTION BOX CONFIGURATION**

1. Type Junction Box to connect catchpit with pipe. Dia: 900mm x 600mm.
2. Type Junction Box to connect to junction box at catchpit.
3. Type Junction Box connecting 2 pipes (no catchpit), size varies.

**PRECAST COVER SLABS FOR JUNCTION BOXES**

**PLAN OF PRECAST COVER SLAB**

**SCALE 1: 20**

**SECTION A-A**

**SCALE 1: 20**

**TABLE A. PRECAST COVER SLAB REINFORCEMENT DETAILS**

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>Thickness (mm)</th>
<th>Main Reinforcement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 600</td>
<td>125</td>
<td>4/12 - 125</td>
</tr>
<tr>
<td>600 - 1000</td>
<td>150</td>
<td>4/12 - 125</td>
</tr>
<tr>
<td>1000 - 1500</td>
<td>175</td>
<td>4/12 - 125</td>
</tr>
<tr>
<td>1500 - 2000</td>
<td>175</td>
<td>4/12 - 125</td>
</tr>
<tr>
<td>2000 - 2500</td>
<td>200</td>
<td>4/12 - 125</td>
</tr>
<tr>
<td>2500 - 3000</td>
<td>200</td>
<td>4/12 - 125</td>
</tr>
<tr>
<td>3000 - 3500</td>
<td>225</td>
<td>4/12 - 125</td>
</tr>
</tbody>
</table>

Concrete to be class 25/19 (25MPa)
Concrete to be cured for a minimum period of 7 days.
Minimum cover to reinforcement = 20mm
Main reinforcement to be shape code 38, with hook length (A dimension).
Symbols used to indicate the junction box types are only for purposes of bending details.
Refer to notes for bending details.

**NOTES AND SPECIFICATIONS**

1. **JUNCTION BOX CONFIGURATION**
   - System used to indicate the junction box types are only for purposes of bending, and not applicable to existing drawings.

2. **PRECAST COVER SLABS**
   - ii) Main reinforcement to be shape code 38, with hook length (A dimension).
   - iii) Type A formwork is specified or otherwise approved by the engineer.
   - Minimum cover to reinforcement = 20mm
   - Concrete to be class 25/19 (25MPa)

3. **ROADS AND STORMWATER**
   - Also refer to section 502, 702, 703 and 704 of the MSWPM, 2005.