**Table 1**

<table>
<thead>
<tr>
<th>Structure Type</th>
<th>Pit Depth</th>
<th>Max Ø Pipe Connecting to Pit</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGN-B</td>
<td>600-1200</td>
<td>110 Ø 525</td>
</tr>
<tr>
<td>SGN-B</td>
<td>1200-3600</td>
<td>110 Ø 525</td>
</tr>
</tbody>
</table>

**Notes**

1. Invert levels and reference point data are specified in the design drawings.
2. Inlet/outlet pipes may join structure at skew angles.
3. This structure is not appropriate for direct connection to water corporations drain unless provided with Silt trap or incoming surface drainage has been trapped upstream.
4. For information relating to ground preparation of structures refer to main roads tender document - preparation No. 405 (drainage structures).
5. For information relating to rock pitching of structures refer to main roads tender document - preparation No. 404 (brick protection).
6. All in-situ concrete shall be Class N32 in accordance with AS3799.
7. All in-situ concrete corners shall have a 20 chamfer unless otherwise noted.
8. Cement mortar shall consist of one part Portland cement (or similar) and three parts sand.
9. SL81 reinforcement shall conform with hard drawn fabric to AS4671.
10. Minimum clear cover to reinforcement shall be 50.

**Brickwork**

11. Brickwork shall be reinforced every third course with Smorgen A.R. Masonry reinforcement MBR150 or similar approved in accordance with AS2699.
12. Brickwork shall be 230x114x76 nominal size, sound, hard, well burnt and true to shape and dimensions and shall be of 'exposure' durability class in accordance with AS4455.
13. Brickwork shall be solid and have a minimum compressive strength of 25 MPa in accordance with AS4455.

**Step Irons**

14. For structures deeper than 1200, step irons or prefabricated galvanized steel ladder shall be fitted. The ladder shall be fixed with stainless steel masonry anchors in accordance with AS4671.
15. Orientate step iron or ladder to enable easy access and to face oncoming traffic.

**Cover**

16. Orientate cover so grate bars are parallel to direction of flow.

**Outlet Hood**

17. Use outlet hood where specified in design drawings for pipes from Ø300 to Ø450.
18. Structures requiring an outlet hood shall be a minimum of 1200 deep.
19. Approved baffles may be used as referred to in pit SLT trap drawings for pipes from Ø300 to Ø600.

**Superseded Drawings**

20. This drawing supersedes drawings 9831-5348 & 9831-5351.

**Drawing References**

- Structure Selection Guide: 200231-314
- Cover Type on Rectangular: 200231-313
- Cover Type on Round: 200231-316
- Step Iron Details: 200231-120
- Catchpit Outlet Hood: 200231-177
- Grate and Frame: 200231-118
- Pit Silt Trap (if required): 200231-121