Notes:

1. Invert levels and reference point data are specified in the design drawings.
2. Inlet/outlet pipes may joint structure at skew angles.
3. This structure is not appropriate for direct connection to water collection drain unless provided with SLT 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. 495 (Drainage Structures).

Concrete & Reinforcement:

5. All in-situ concrete shall be Class N32 in accordance with AS5397.
6. All in-situ concrete corners shall have a 28 chamfer unless otherwise noted.
7. Cement mortars shall consist of one part Portland cement (or similar) and three parts sand.
8. SL81 reinforcement shall conform with hard drawn fabric to AS4471.
9. Minimum clear cover to reinforcement shall be 50.

Liner:

10. The liner shall be reinforced concrete spun to AS4597.
11. The maximum inlet/outlet pipe outside diameter must be less than 60% of the liner internal diameter. See Table 2.
12. Minimum space of 200 between holes in liner.
13. Minimum of 40% of liner shall remain in any horizontal plane.
14. Holes to be punched/cut in accordance with manufacturer’s specification.
15. The liner shall have equivalent properties and reinforcement of Class 2 RCP except that the reinforcement shall be circular.

Step Irons:

16. For structures deeper than 1000, step irons or prefabricated galvanised steel ladder shall be fitted. The ladder shall be fixed with stainless steel machinery anchors in accordance with AS1657.
17. Orientate step irons or ladder to enable easy access and to face oncoming traffic.

Open Graded Asphalt:

18. Refer to drawing 200231-122 if open graded asphalt is used for the finished surface.

Superseded Drawings:

19. This drawing supersedes drawings 9831-5837 & 9831-5044.

Table 1

<table>
<thead>
<tr>
<th>STRUCTURE TYPE</th>
<th>PIT DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGT</td>
<td>600-1200</td>
</tr>
<tr>
<td>SGT</td>
<td>1200-1800</td>
</tr>
</tbody>
</table>

Table 2

<table>
<thead>
<tr>
<th>LINER Ø</th>
<th>MAX. Ø PIPE CONNECTING TO LINER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nom. Ø600</td>
<td>Nom. Ø450</td>
</tr>
<tr>
<td>Nom. Ø750</td>
<td>Nom. Ø525</td>
</tr>
<tr>
<td>Nom. Ø1200</td>
<td>Nom. Ø600</td>
</tr>
</tbody>
</table>

Drawing References:

- Structure Selection Guide: 200231-004
- Cover Type GT (Rectangular): 200231-105
- Cover Type GT (Ground): 200231-116
- Step Iron Details: 200231-116
- Grate and Frame: 200231-118
- Pit SLT Trap (if Required): 200231-121

Drainage Standard Drawings:

- TGT & SGT Structures: 9956-7384

All units are in millimetres unless otherwise noted.