NOTES

GENERAL
1. INVEST LEVELS AND REFERENCE POINT DATA ARE SPECIFIED IN THE DESIGN DRAWINGS.
2. INLET/OUTLET PIPES MAY ALIGN WITH STRUCTURE AT DERM ANGLES.
3. THIS STRUCTURE IS NOT APPROPRIATE FOR DIRECT CONNECTION TO WATER CORPORATION DRAIN UNLESS PROVIDED WITH Silt Trap or Inclining Surface Drainage has been TRAPED upstream.
4. THE INFORMATION RELATING TO CONCRETE PREPARATION OF STRUCTURES REFER TO MAIN ROADS SPECIFICATION H44 DRAINAGE STRUCTURES.
5. THE INFORMATION RELATING TO ROCK RICHING OF STRUCTURES REFER TO MAIN ROADS SPECIFICATION H4-650 ROCK PROTECTION.

CONCRETE & REINFORCEMENT
6. ALL IN-PLACE CONCRETE SHALL BE CEMENT N32 IN ACCORDANCE WITH AS 1379.
7. ALL IN-PLACE CONCRETE CORNERS SHALL HAVE A 20 DIA RADIUS UNLESS OTHERWISE NOTED.
8. CEMENT MORARIAL LINES CONSIST OF ONE PART PORTLAND CEMENT 210 Siphid and THREE PARTS SAND.
10. CANAL CLEAR COVER TO REINFORCEMENT SHALL BE 50.

LINER
11. THE PRECAST LINER SHALL BE REINFORCED CONCRETE TO AS/NZS 4458 AND TO SPECIFICATION 445.
12. THE MAXIMUM INLET/OUTLET PIPE OUTSIDE DIAMETER MUST BE LESS THAN 90% OF THE LINER INTERNAL DIAMETER. SEE TABLE 1.
13. MINIMUM SPACE OF 200 BETWEEN HOLES IN LINER.
14. NON-WASHABLE LINER SHALL REPAIR IN ANY HORIZONTAL PLANE.
15. HOLES TO BE PUNCHED/FIT IN ACCORDANCE WITH MANUFACTURER’S SPECIFICATION.
16. THE LINER SHALL HAVE EQUIVALENT PROPERTIES AND REINFORCEMENT OF CLASS R2 EXCEPT THE REINFORCEMENT SHALL BE CIRCULAR.
17. ALL GAPS AND Voids BETWEEN AND OR ARISING THE LINER AND COVER SLAB SHALL BE SEALED WITH N32 CONCRETE. SEEDS PAVING TAPES SHALL BE USED WHERE THE CONCRETE IS UNDER THE ROAD SEALED SURFACE. REFER TO DWG NO. 200231-122 FOR DETAILS.

STEP IRONS
18. FOR STRUCTURES DEEPER THAN 4000, STEP IRONS OR PREFABRICATED GALVANISED STEEL LADDER SHALL BE FITTED. THE LADDER SHALL BE FIXED WITH STAINLESS STEEL PESSARY ANCHORS IN ACCORDANCE WITH AS 8371.
19. ORIENTATE STEP IRONS OR LADDER TO ENABLE EASY ACCESS AND TO FACE DRAINING TRAFFIC.

COVER
20. ORIENTATE COVER SO GRADE BARS ARE PARALLEL TO DIRECTION OF FLOW.

OUTLET HOOD
21. USE TEE HOOD WHERE SPECIFIED IN DESIGN DRAWINGS FOR PIPES FROM 4000 TO 4500.
22. STRUCTURES REQUIRED AN OUTLET HOOD SHALL BE A MINIMUM OF 200 DEEP.
23. APPROVED BAPPLES MAY BE USED AS REFERRED TO IN PIT Silt Trap Drawings for Pipes From 3000 TO 4000.

SUPERSIZED DRAWINGS

DRAWING REFERENCES
200231-004
200231-103
200231-106
200231-116
200231-117
200231-118
200231-119
200231-121

TABLE 1

<table>
<thead>
<tr>
<th>STRUCTURE TYPE</th>
<th>PIT DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>THIN</td>
<td>600-1200</td>
</tr>
<tr>
<td>SHN</td>
<td>1200-3600</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>6800</td>
<td>6450</td>
</tr>
<tr>
<td>8100</td>
<td>6525</td>
</tr>
<tr>
<td>10200</td>
<td>6900</td>
</tr>
</tbody>
</table>