**NOTES:**

1. **THE SIDE DRAIN DEPTH TO BE A MIN. OF 300mm BELOW THE SUBGRADE. PROVIDE A MIN. 300 COVER TO PIPE.**
2. **SIDE DRAINS SHALL OUTLET TO A GULLY, PREFERABLY, OR STORMWATER PIPE.**
3. **100Ø CORRUGATED POLYETHYLENE (PE) PIPE AND FITTINGS TO BE CLASS 400 TO AS 2439.**
4. **USE STANDARD FITTINGS FOR ALL CONNECTIONS INCLUDING THE JOINING OF LENGTHS OF CORRUGATED PIPE.**
5. **DRAINAGE PIPES TO BE LAYED TO A MINIMUM GRADE OF 1:250 FOR PIPE DRAINS AND TO A MINIMUM GRADE OF 1:100 FOR SCREENING ONLY DRAINS.**
6. **SCREENING SURROUND AND THE BACKFILL PAVEMENT MATERIAL MUST BE ADEQUATELY COMPACTED TO PROVIDE FLEXIBLE PIPE SUPPORT AS REQUIRED IN ACCORDANCE WITH AS 2566.**
7. **SUPPLY AND INSTALL PANEL DRAINS, IF USED, TO THE MANUFACTURER'S SPECIFICATIONS.**
8. **GRADING OF SINGLE SIZE SCREENING MATERIALS.**
9. **UNLESS APPROVED OTHERWISE BY COUNCIL, PROVIDE SIDE DRAINS ON BOTH SIDES OF THE ROAD UNDER (NEW CONSTRUCTION) OR ADJACENT TO (RETROFIT) THE KERB AND CHANNEL.**
10. **SIDE DRAINS (SIMILAR CONSTRUCTION TO SIDE DRAINS) ARE REQUIRED ACROSS THE ROAD TO INTERCEPT SEEPAGE THAT DOES NOT FLOW DIRECTLY TO THE SIDE DRAIN.**
11. **WHERE SEEPAGE APPEARS IN THE CENTRE OF THE PAVEMENT, PROVIDE 75 THICK FULL WIDTH BLANKET COURSE (SCREENINGS OR CLASS 1 CRUSHED ROCK) TO INTERCEPT SEEPAGE AND DRAIN TO THE ADJACENT SIDE DRAINS. PROVIDE BCC TYPE 3 GEOTEXTILE FABRIC AT THE SUBGRADE/BLANKET COURSE INTERFACE. BLANKET COURSE IS GENERALLY REQUIRED UNDERNEATH FULL DEPTH ASPHALT PAVEMENTS TO AVOID BLOCKAGE OF SEEPAGE FLOW.**
12. **SUB SURFACE DRAINAGE REQUIREMENTS (INCLUDING TYPE, LOCATION, SPACING AND ORIENTATION) MUST BE DETERMINED BY A SUITABLY QUALIFIED REGISTERED PROFESSIONAL ENGINEER.**
13. **DIMENSIONS IN MILLIMETRES (UNLESS OTHERWISE SPECIFIED).**

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**TYPICAL SECTION WITH EXISTING KERB & CHANNEL**

**TYPICAL SECTION WITH NEW ROAD CONSTRUCTION**

**TREATMENT AT MEDIANS**

**LEGEND**

<p>| SCREENINGS OR COMPACTED BCC CLASS 1 CRUSHED ROCK OR EQUIVALENT | APPROVED FREE DRAWING NON-PLASTIC MATERIAL PERMEABILITY IN ACCORDANCE WITH AS 1289.6.7.1 TO BE 0.01–10 mm/s. |</p>
<table>
<thead>
<tr>
<th>A.S. SIEVE SIZE(mm)</th>
<th>5mm NOMINAL SIZE</th>
<th>10mm NOMINAL SIZE</th>
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</thead>
<tbody>
<tr>
<td>13.20</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>9.50</td>
<td>85–100</td>
<td></td>
</tr>
<tr>
<td>6.70</td>
<td>100</td>
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</tr>
<tr>
<td>4.75</td>
<td>85–100</td>
<td>0–20</td>
</tr>
<tr>
<td>2.36</td>
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<td>0–5</td>
</tr>
<tr>
<td>0.075</td>
<td>0–2</td>
<td>0–2</td>
</tr>
</tbody>
</table>

**BASE COURSE MATERIAL:**

- **MINOR ROADS - FINE CRUSHED ROCK (FCR)**
- **MAJOR ROADS - FULL DEPTH ASPHALT**

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**SIDE DRAIN OUTLET (SINGLE GULLY ONLY)**

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**SECTION**

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**PAVEMENT DRAINS**

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**BSD-2041 (C) Pavement drains.dwg**

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**SUPERSEDES** BSD-065.2/01

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