1. All dimensions are in millimetres unless otherwise stated.
2. All steelwork to be galvanised in accordance with BS 729 Part 1 at 0.628kg zinc per sq m.
3. 6mm continuous fillet welds at all connections.
4. 3 no 8mm diameter stainless steel bolts to be used at hinges and locking plate and held with ‘nylock’ type hexagonal nuts.
5. Grille to be fixed to headwall using 6 no. M8 expanding loose bolt, zinc plated (rawbolt type).
6. Grille is to be fixed centrally over pipe.
7. The grille shown can be used for pipe diameters of 450mm to 675mm. For larger pipes the grille size can be increased with additional 16mm diameter vertical bars as per the table below:

<table>
<thead>
<tr>
<th>PIPE DIA (mm)</th>
<th>GRILLE SIZE (mm)</th>
<th>NUMBER OF VERTICAL BARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>450–675</td>
<td>758x758</td>
<td>4</td>
</tr>
<tr>
<td>750–825</td>
<td>908x908</td>
<td>5</td>
</tr>
<tr>
<td>900–975</td>
<td>1058x1058</td>
<td>6</td>
</tr>
<tr>
<td>1050–1125</td>
<td>1208x1208</td>
<td>7</td>
</tr>
</tbody>
</table>

GRILLE ELEVATION

SECTION B–B

LOCKING PLATE DETAIL

SECTION A–A

Hinge DETAIL

SECTION X–X

DRAINAGE

DETAIL OF HEADWALL GRILLE

SD/5/30

DEPARTMENT OF HIGHWAYS
TRANSPORTATION AND WASTE MANAGEMENT

NOTES:

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