**THICKNESS DESIGN FOR PAVING UNIT**

<table>
<thead>
<tr>
<th>Layer</th>
<th>Footway</th>
<th>Run in</th>
<th>Carriageway</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sub-base thickness</strong></td>
<td>100mm</td>
<td>225mm</td>
<td>225mm (For E subgrade &gt; 50MPa)</td>
</tr>
<tr>
<td><strong>Sand course / sand and cement bedding</strong></td>
<td>20 - 30mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Paving type</strong></td>
<td>Paving Slab or paving block</td>
<td>Paving block</td>
<td>Paving block</td>
</tr>
<tr>
<td><strong>Grade and thickness of paving unit</strong></td>
<td>(See note 2)</td>
<td>(See note 2)</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. All dimensions are in millimetres.
2. Refer to RD/GN/044 & GS Section 11 Part 7 for specification.
3. For run in and carriageway, minimum 100mm thick bituminous road-base shall be laid when using precast concrete pavers while minimum 200mm thick grade 40/20 concrete shall be laid when using clay pavers / granite and artificial granite pavers.
4. This drawing to be read in conjunction with HyD Standard Drawing Nos. H 5101, H 5102 and H 5114.
5. Sand and cement bedding shall be used in areas subject to high pressure water jet cleansing or as directed by the Engineer. Sand and cement bedding shall be a mixture of 85% sand and 15% cement by mass. The sand and cement shall be thoroughly mixed with no addition of water.
6. Use of clay pavers on new paving is not recommended under normal circumstances.Proposal new paving with clay pavers should only be considered if the sustainability on skid resistance and durability of the proposed clay pavers could be verified for approval by the Highways Department.
7. For footways with railings installed, joint stabilizing sealer should be applied to the joints of paving units along the area between railings and road kerb, or other edge restraint, for preventing the growing of weeds between pavers within this zone.

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**PAVING UNITS TYPICAL CONSTRUCTION DETAILS**

**HIGHWAYS DEPARTMENT**

**REFERENCE**

**DRAWING NO.**

**CAD**

**SCALE**

**DIAGRAMMATIC**

**H 1103G**