



SECTIONAL VIEW

THICKNESS DESIGN FOR PAVING UNIT

Layer	Footway	Run in	Carriageway (Design traffic load \leq 5MSA)
Sub-base thickness	100mm	225mm	225mm (For E subgrade $>$ 50MPa)
Road-base thickness	—	See note 3 & HyD Standard Drawing Nos. H 5133 to H 5135	See note 3 & HyD Standard Drawing Nos. H 5125 to H 5126
Sand course / sand and cement bedding	20 - 30mm		
Paving type	Paving Slab or paving block	Paving block	Paving block
Grade and thickness of paving unit	(See note 2)	(See note 2)	

Notes:

- All dimensions are in millimetres.
- Refer to RD/GN/044 & GS Section 11 Part 7 for specification.
- 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.
- This drawing to be read in conjunction with HyD Standard Drawing Nos. H 5101, H 5102 and H 5114.
- 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.
- Use of clay pavers on new paving is not recommended under normal circumstances. Proposal on 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.
- 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.

G	Note 7 added	Original Signed	Feb 17
F	Title, table and notes 2, 3 & 5 amended	-	Oct 14
E	Note 6 added	-	May 11
D	Sand and cement bedding and note 5 added.	-	Feb 08
C	Table for thickness design revised and note 4 added.	-	Sep 06
B	Note 3 added	-	May 97
A	Table for thickness design revised and note 2 added	-	Sep 96
	Former Drg. No. H1010B with general revision	-	Jun 94
REF.	REVISION	SIGNATURE	DATE

PAVING UNITS TYPICAL CONSTRUCTION DETAILS

HIGHWAYS DEPARTMENT

REFERENCE

DRAWING No.

CAD

SCALE

Diagrammatic

H 1103G