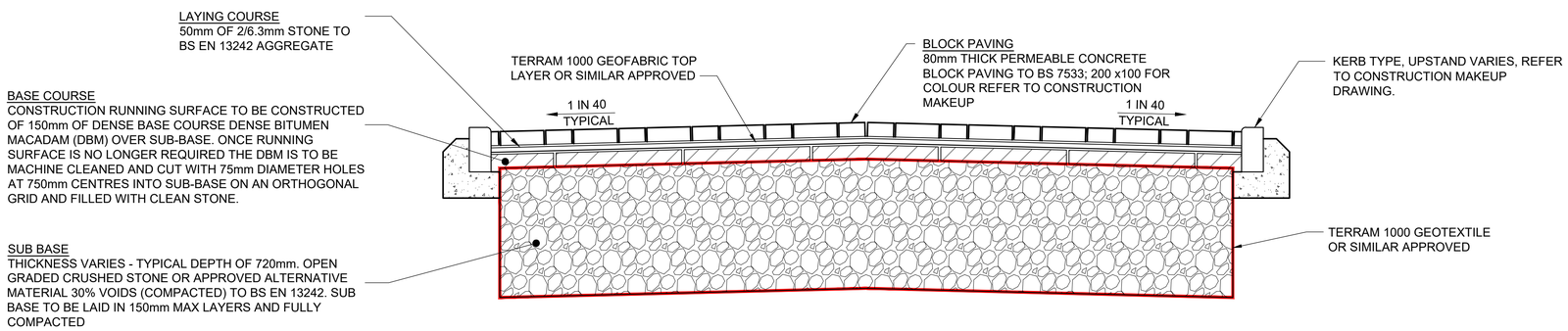
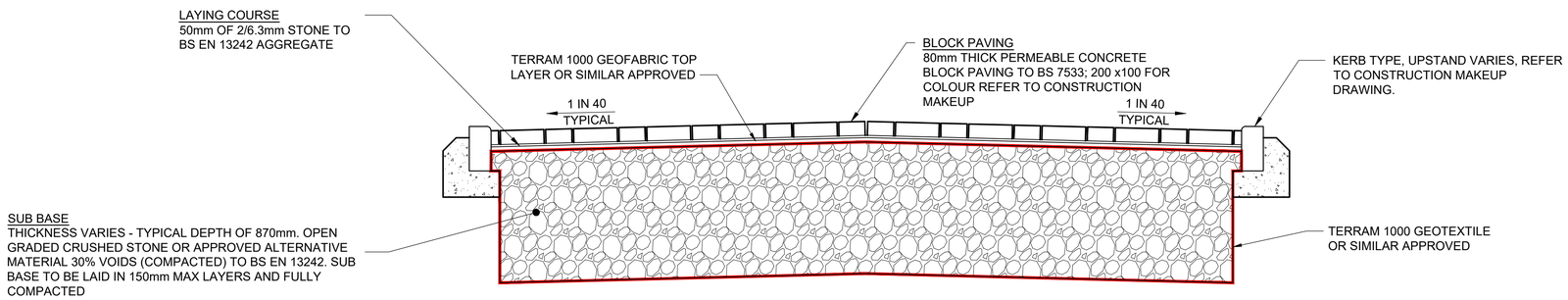


TYPICAL SECTION THROUGH PERMEABLE COURTYARDS
AND PRIVATE DRIVEWAYS
(WITH CONSTRUCTION TRAFFIC / HGV's)

(BASED ON CBR 3%)



TYPICAL SECTION THROUGH PERMEABLE COURTYARDS
AND PRIVATE DRIVEWAYS
(NO CONSTRUCTION TRAFFIC / HGV's)

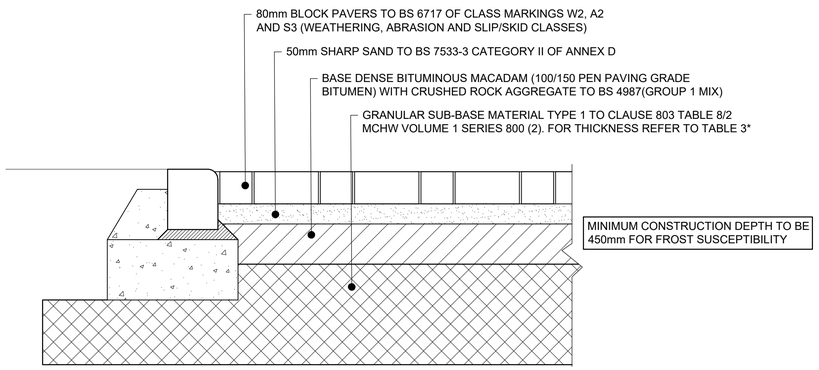
(BASED ON CBR 3%)

TABLE '2C' SHARED DRIVES HAVING INFREQUENT USE BY COMMERCIAL VEHICLES

CONSTRUCTION		ROAD TYPE			
		BITUMINOUS MACADAM	CONCRETE	BLOCK PAVERS	GRAVEL
SUB-BASE	GRANULAR SUB-BASE MATERIAL TYPE 1 TO CLAUSE 803 TABLE 8/2 MCHW VOLUME 1 SERIES 800 (2).	TABLE 3*	TABLE 3*	TABLE 3*	TABLE 3*
BASE (ROAD BASE)	DENSE BITUMINOUS MACADAM (100/150 PEN PAVING GRADE BITUMEN) WITH CRUSHED ROCK AGGREGATE TO BS 4987(GROUP 1 MIX)	ASPHALT-BASED ON THE PROVISION A GEOTEXTILE MEMBRANE UNDERNEATH THE SUB-BASE. WHERE NO GEOTEXTILE MEMBRANE IS PROVIDED, SEE TABLE 3	N/A	N/A	N/A
	CONCRETE DESIGNATION (BS 8500-2 TABLE 7)	N/A	N/A	N/A	N/A
BINDER COURSE (BASE COURSE)	DENSE BITUMINOUS MACADAM (100/150 PEN PAVING GRADE BITUMEN) WITH CRUSHED ROCK AGGREGATE TO BS 4987 (GROUP 2 MIX)	80 (0/32mm SIZE TO CLAUSE 6.4) OR (0/20mm SIZE TO 7.5)	N/A	N/A	N/A
SURFACE COURSE (WEARING COURSE)	DENSE BITUMINOUS MACADAM (100/150 PEN PAVING GRADE BITUMEN) WITH CRUSHED ROCK AGGREGATE TO BS 4987 (GROUP 3 MIX)	30 (0-10mm SIZE TO CLAUSE 7.4)	N/A	100mm WHEN USED BY CONSTRUCTION TRAFFIC	A 38mm THICKNESS OF GRADED 15/20mm UNBOUND AGGREGATE TO BS EN 13242 (GRAVEL), WELL ROLLED AND COMPACTED, SHOULD BE USED.
	HOT ROLLED ASPHALT TO BS 594-1	40 (DESIGNATION 30% 0/14)	N/A	N/A	N/A
	MASTIC ASPHALT TO BS 1447	30 (GRADE S - 40% 0/10mm SIZE)	N/A	N/A	N/A
	CONCRETE DESIGNATION (BS 8500-2 TABLE 7)	N/A	150 GRADE PAV2	N/A	N/A
BEDDING COURSE	SHARP SAND TO BS 7533-3 CATEGORY II OF ANNEX D	N/A	N/A	50	N/A
PAVERS	BLOCK PAVERS TO BS 6717 OF CLASS MARKINGS W2, A2 AND S3 (WEATHERING, ABRASION AND SLIP/SKID CLASSES)	N/A	N/A	80	N/A

TABLE '3' MINIMUM SUB-BASE THICKNESS FOR PAVED AREAS

CBR VALUES	MINIMUM THICKNESS (mm) OF SUB-BASE *(CONSOLIDATED IN ACCORDANCE WITH MCHW VOLUME 1 CLAUSE 801, TABLE 8/1)*	
	WITHOUT GEOTEXTILE	WITH GEOTEXTILE
< 2%	N/A	300
2-3%	325	225
3-5%	250	150
5-7%	150	N/A
7-20%	100	N/A



PRIVATE ROAD HAVING INFREQUENT
USE BY COMMERCIAL VEHICLES

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE MANUAL FOR CONTRACT DOCUMENTS, VOLUME 1, SPECIFICATION FOR HIGHWAY WORKS, WSCC SPECIFICATION AND ALL OTHER RELATED DRAWINGS ISSUED.
2. IF THERE IS ANY AMBIGUITY BETWEEN THE SPECIFICATION AND THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER.
3. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
4. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES
5. ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
6. NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PERMISSION FROM THE ENGINEER.

FOR PLANNING PURPOSES ONLY

Rev	Amendments	Drn	Chk	App	Date
C	GEOTEXTILE AMENDED IN ACCORDANCE WITH ADC COMMENTS	JA	SG	LH	24.07.19
B	GEOTEXTILE AMENDED IN ACCORDANCE WITH ADC COMMENTS	JA	SG	LH	12.07.19
A	IMPERMEABLE MEMBRANE REMOVED FROM DETAIL	JA	SG	LH	03.07.19

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Job Title
LAND SOUTH OF BURNDELL ROAD, YAPTON

Drawing Title
PRIVATE HIGHWAYS CONSTRUCTION DETAILS

Client
BOVIS HOMES

Scale	Date	Designed
NTS @ A1	JAN 19	SG
Drawn	Checked	Approved
TSB	SG	LH

Job No	Drawing No	Rev
18-070	18-070/112	C

P:\18-070 - Burndell Road, Yapton - Detailed Design\Tech\Acad\Drawings\100 Series Planning Pack\18-070-112 Private Highway Construction Details.dwg

ARUN DISTRICT COUNCIL Y/99/19/RES