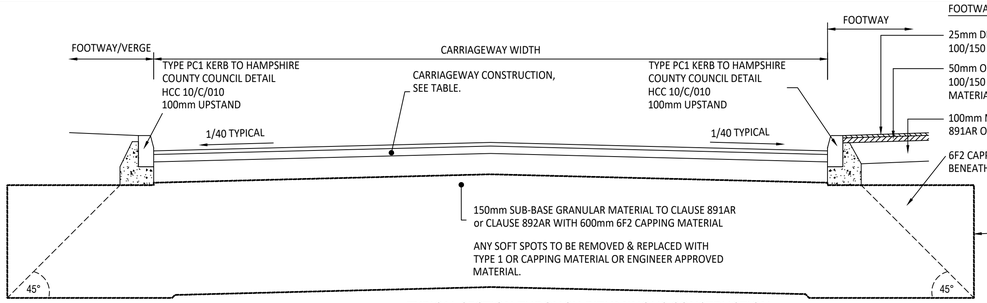


TYPICAL SECTION THROUGH BITUMINOUS CONSTRUCTION

SCALE 1:25

FOOTWAY TYPE 1B FLEXIBLE CONSTRUCTION

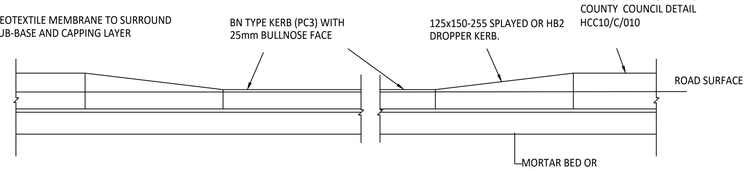
25mm DENSE ASPHALT CONCRETE SURFACE COURSE AC6 DENSE SURF 100/150 PSV 45 TO BS EN13108-1

50mm OPEN GRADED ASPHALT CONCRETE BINDER COURSE AC20 OPEN BIN 100/150 TO BS EN13108-1 OR 50mm COLD RECYCLED BITUMINOUS BOUND MATERIAL (FINE GRADE) TO CLAUSE 948SR

100mm MINIMUM THICK SUB-BASE TO CLAUSE 891AR OR CLAUSE 892AR

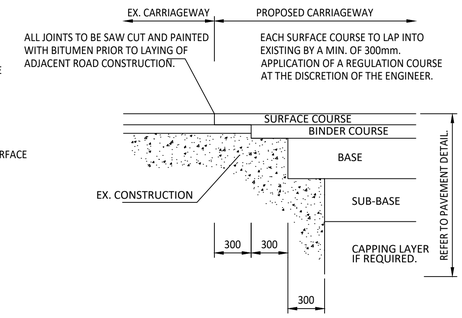
6F2 CAPPING MATERIAL TO BE EXTENDED BENEATH FOOTWAYS WHERE CBR < 5%

GEOTEXTILE MEMBRANE TO SURROUND SUB-BASE AND CAPPING LAYER



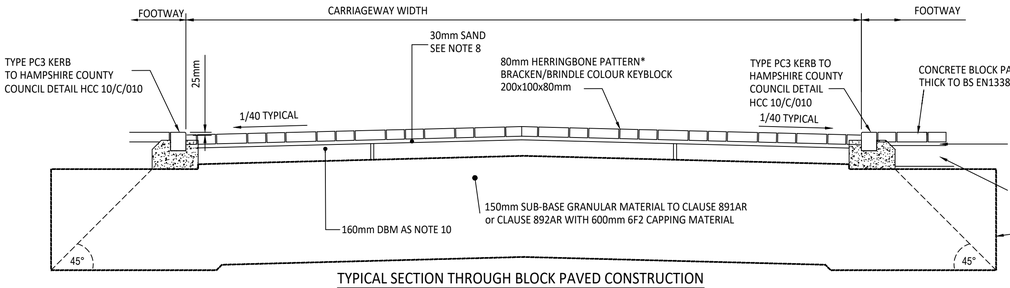
VEHICULAR CROSSING DROP KERB ARRANGEMENT

SCALE N. T. S.



TYPICAL TIE-IN DETAIL

SCALE N. T. S.



TYPICAL SECTION THROUGH BLOCK PAVED CONSTRUCTION

SCALE 1:25

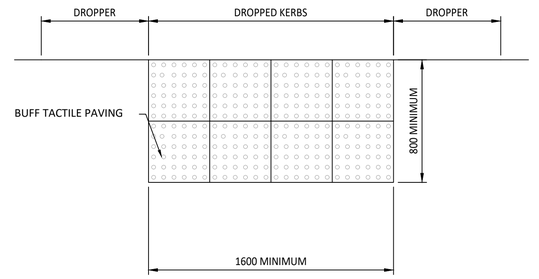
30mm COMPACTED THICKNESS OF SAND LAYING COURSE SHALL BE TO BS 7533-3: TABLE D2 & D3: CATERGORY III. WITH JOINTING SAND TO TABLE D4 JOINTS TO BE 2-5 WIDE. SEE NOTE 8

100mm MINIMUM THICK SUB-BASE

6F2 CAPPING MATERIAL TO BE EXTENDED BENEATH FOOTWAYS WHERE CBR < 5%

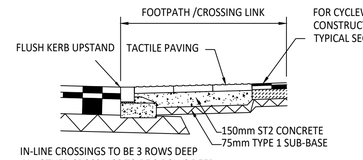
GEOTEXTILE MEMBRANE TO SURROUND SUB-BASE AND CAPPING LAYER

* BLOCK PAVING RESTRAINT COURSE REQUIRED AT EACH SIDE AS APPROPRIATE



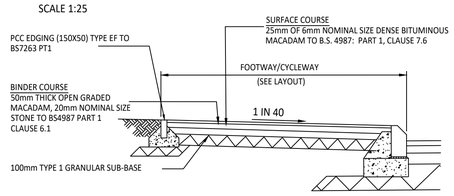
TACTILE PAVING DETAIL

SCALE 1:25



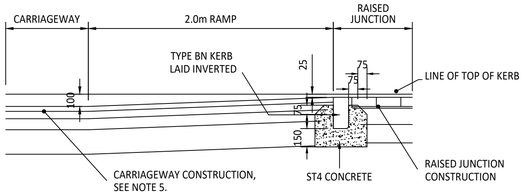
TYPICAL SECTION THROUGH TACTILE PAVING

SCALE 1:25



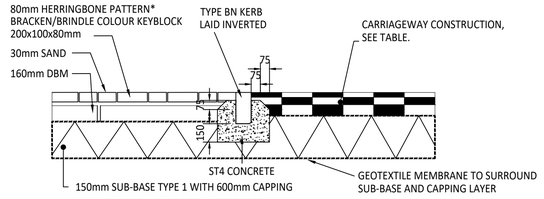
TYPICAL SECTION THROUGH FOOTWAY (TYPE 1A) REFER TO HAMPSHIRE COUNTY COUNCIL DETAIL HCC10/C/045A

SCALE 1:25



LONGITUDINAL THROUGH RAMPS TO THE RAISED JUNCTION

SCALE 1:25



* BLOCK PAVING RESTRAINT COURSE REQUIRED AT EACH SIDE AS APPROPRIATE

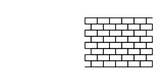
LONGITUDINAL THROUGH FLUSH RAMPS (APPLIES BETWEEN SAME AND DIFFERENT MATERIALS

TABLE 1

BITUMINOUS CARRIAGEWAY						
ROAD TYPE	SERVING	SURFACE COURSE	BINDER COURSE	BASE COURSE	SUB-BASE	CAPPING
1	>50	45mm HRA 35/14 14mm NOMINAL SIZE 40/60 PEN TO BS EN 13108-4 (BS 594987) AND IN ACCORDANCE WITH SHW CL 910 & 911. PSV NOT LESS THAN 60 AND AAV NOT GREATER THAN 12.	55mm AC20 DENSE BIN 20mm NOMINAL SIZE 40/60 PEN TO BS EN 13108-1 (BS 594987).	170mm COLD RECYCLED BITUMEN BOUND MATERIAL TO CLAUSE 948SR MINIMUM CHARACTER STIFFNESS 2500 MPa [1]	150mm RECYCLED GRANULAR MATERIAL IN ACCORDANCE WITH HCC CLAUSES 891AR OR 892AR	600mm 6F2 SELECTED GRANULAR MATERIAL [2]
2	>50	40mm CLOSE-GRADED ASLPHALT CONCRETE SURFACE COURSE 14mm NOMINAL SIZE TO CLAUSE 912 - FINES OF CRUSHED LIMESTONE AND/OR NATURAL SAND. 100/150 PEN. PSV NOT LESS THAN 55 AND AAV NOT GREATER THAN 14.	60mm AC20 DBM125. 100/150 PEN. PSV NOT LESS THAN 55 AND AAV NOT GREATER THAN 14.	170mm COLD RECYCLED BITUMEN BOUND MATERIAL TO CLAUSE 948SR MINIMUM CHARACTER STIFFNESS 2500 MPa [1]	150mm RECYCLED GRANULAR MATERIAL IN ACCORDANCE WITH HCC CLAUSES 891AR OR 892AR	600mm 6F2 SELECTED GRANULAR MATERIAL [2]
3	<50	30mm CLOSE-GRADED ASLPHALT CONCRETE SURFACE COURSE 10mm NOMINAL SIZE TO CLAUSE 912 - FINES OF CRUSHED LIMESTONE AND/OR NATURAL SAND. 100/150 PEN. PSV NOT LESS THAN 55 AND AAV NOT GREATER THAN 14.	65mm AC20 DBM125. 100/150 PEN. PSV NOT LESS THAN 55 AND AAV NOT GREATER THAN 14.	160mm COLD RECYCLED BITUMEN BOUND MATERIAL TO CLAUSE 948SR MINIMUM CHARACTER STIFFNESS 2500 MPa [1]	150mm RECYCLED GRANULAR MATERIAL IN ACCORDANCE WITH HCC CLAUSES 891AR OR 892AR	600mm 6F2 SELECTED GRANULAR MATERIAL [2]
BLOCK PAVED CARRIAGEWAY						
ROAD TYPE	SERVING	SURFACE COURSE	BINDER COURSE	BASE COURSE	SUB-BASE	CAPPING
4	>25	80mm KEYBLOCK BY MARSHALLS 200 X 100 CBP IN BRINDLE OR BRACKEN AND SHALL GENERALLY BE LAID IN 45° HERRINGBONE CONFIGURATION	30mm BEDDING LAYER TO BE NON-DEGRADABLE NATURAL SAND COMPLYING WITH CATEGORY II OF BS 7533 : PART 3 OR CRUSHED GLASS SAND COMPLYING WITH CATEGORY III OF BS 7533 : PART 3	160mm AC20 DBM50	150mm RECYCLED GRANULAR MATERIAL IN ACCORDANCE WITH HCC CLAUSES 891AR OR 892AR	600mm 6F2 SELECTED GRANULAR MATERIAL [2]
5	<25	80mm KEYBLOCK BY MARSHALLS 200 X 100 CBP IN BRINDLE OR BRACKEN AND SHALL GENERALLY BE LAID IN 45° HERRINGBONE CONFIGURATION	30mm BEDDING LAYER TO BE NON-DEGRADABLE NATURAL SAND COMPLYING WITH CATEGORY II OF BS 7533 : PART 3 OR CRUSHED GLASS SAND COMPLYING WITH CATEGORY III OF BS 7533 : PART 3	120mm AC20 DBM50	150mm RECYCLED GRANULAR MATERIAL IN ACCORDANCE WITH HCC CLAUSES 891AR OR 892AR	600mm 6F2 SELECTED GRANULAR MATERIAL [2]

[1] WHERE RECYCLED MATERIAL IS NOT LOCALLY AVAILABLE THEN BASE COURSE TO BE AC32 DENSE BASE 40/60 TO CLAUSE 906. BS EN 13108-1 COARSE AGGREGATE TO BE CRUSHED ROCK OR SLAG. COMPACTION TO CLAUSE 929.

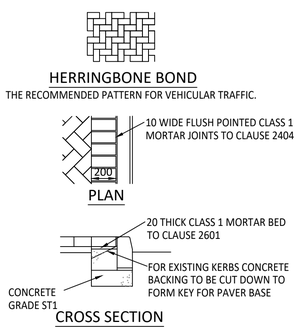
[2] THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR <2% INSITU. EQUILIBRIUM CBR TESTS TO BE CARRIED OUT BY THE CONTRACTOR PRIOR TO INSTALLATION AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY/ENGINEER.



STRETCHER OR RUNNING BOND

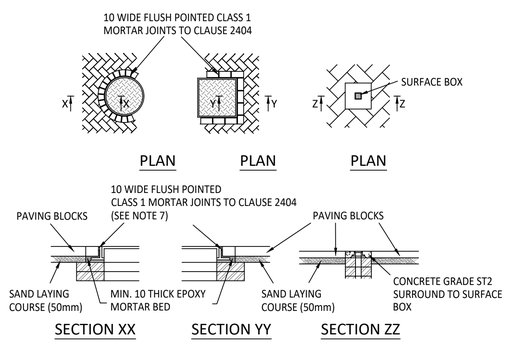
CROSS SECTION

EDGE TRIM AT BUILDING FACADE - TYPE ET1



CROSS SECTION

EDGE TRIM AT KERB - TYPE ET2



EDGE TRIMS TO ACCESS COVERS

CARRIAGEWAY CAPPING REQUIREMENTS

CBR OF SUB-GRADE	CAPPING LAYER THICKNESS	SUB-BASE THICKNESS	TOTAL SUB-BASE THICKNESS
>15% - 30%	-	150mm	150mm
>5% - 15%	-	225mm	225mm
2% - 5%	350mm	150mm	400mm*
>2%	600mm	150mm	N/A

* THERE MAY BE SOME CIRCUMSTANCES WHERE A SUB-BASE ONLY CONSTRUCTION WILL NOT BE ACCEPTABLE IN THIS CATEGORY

FOR VEHICLE CROSSING OF FOOTWAY DETAIL PLEASE REFER TO HCC DRAWING HCC10/C/055A TYPE 5A

FOR GULLY DETAIL PLEASE REFER TO HCC DRAWING HCC10/D/015

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GENERAL NOTES:

1. Do not scale.
2. This drawing is to be read in conjunction with and checked against all other drawings, Engineering details, Specification and any structural, Geotechnical or other specialist document provided.
3. Any anomaly or contradiction between any of the above is to be reported to the Engineer.
4. All works to be in accordance with Hampshire County Council Specification, HCC Standard Construction Details and the The Specification for Highway Works.
5. Equilibrium CBR testing to be undertaken by Contractor in order to confirm specific construction depths.
6. Where the trimming of blocks is necessary, portions of less than one third of an entire block shall not be laid. Instead the pattern should be altered to enable larger pieces of block to be used. Blocks to be machine cut. Alternatively Marshall 100x100 blocks to be used where they are of an appropriate size.
7. Blocks bedded on epoxy mortar should have the top 30mm of their vertical joints raked out and re-pointed with class 1 mortar to clause 2404.
8. Sand grading to be 1% maximum passing 75mm and 60% maximum passing 600µm or to BS6677 Part 3
9. Over-runnable footway areas should be construction to carriageway specification.
10. PAVEMENT CONSTRUCTION TO BE:

 Surface layers to be as Table 1

 Sub-base and capping layer - To be in accordance with HD25/94. The site ground investigation has indicated that the CBR value <2%. In-situ CBR testing will be required on site to determine depths which are to be agreed with the engineer. The substrata is on soft to stiff clay. Any works undertaken will be as per the adjacent carriageway and a geotextile will be required surrounding the sub-base / capping layer. It will be necessary to ensure the formation level is not allowed to soften via incidental rain.

Rev	Date	Description	Drawn	Checked
C2	12.22	Label for Block Paved construction amended	SM	SM
C1	06.18	Issued for Construction	DS	SL
P1	05.18	First Issue	RW	SL

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Client: LINDEN HOMES

Project: BOORLEY GREEN PARCEL B3

Title: CONSTRUCTION DETAILS

Status: FOR CONSTRUCTION

Scale	Date	Drawn	Checked
NTS @ A1	MAY 2018	RW	SL

Drawing No: A170-LIN-751

Revision: C2