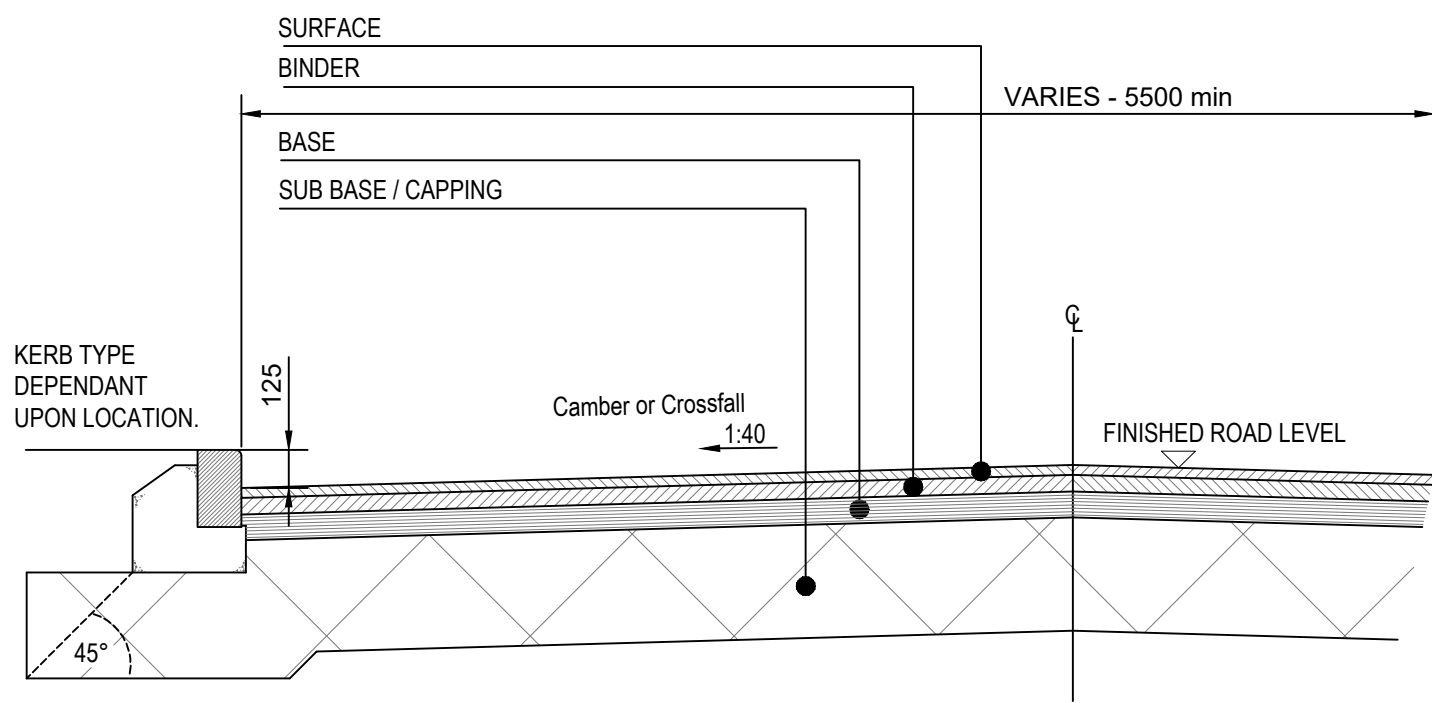
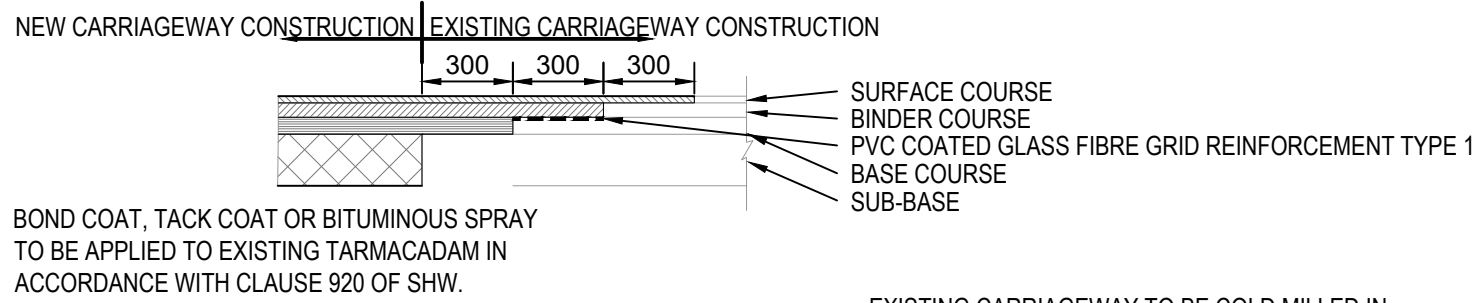
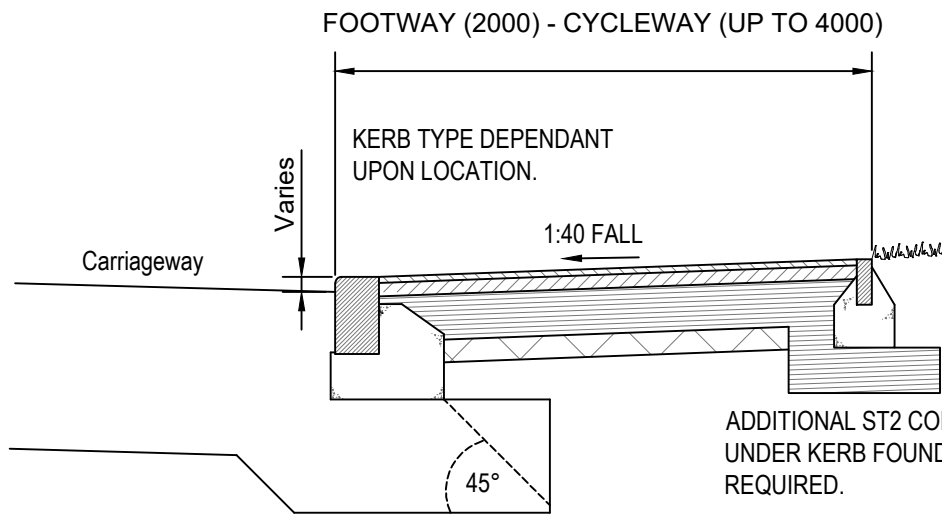




TARMACADAM/BLOCK PAVED CARRIAGEWAY
SEE TABLES FOR CONSTRUCTION DETAILS
SPEC 1
SCALE 1:25



TIE IN TO EXISTING CARRIAGEWAY
SCALE 1:25



TARMACADAM FOOTWAY/CYCLEWAY
SEE TABLE FOR CONSTRUCTION DETAILS
SPEC 2
SCALE 1:25

TARMACADAM CARRIAGEWAY

LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE **	HIGH STONE CONTENT HOT ROLLED ASPHALT (HRA) SURFACE COURSE COMPLYING WITH BS EN 13108-4 TABLE 4. 55/10C HRA SURF. BINDER GRADE 40/60, MINIMUM PSV = 65, MAXIMUM AAV = 12.	45mm
BINDER	DENSE BITUMEN MACADAM (DBM) BINDER COURSE COMPLYING WITH BS EN 13108-1. AC20 DENSE BIN. BINDER GRADE 40/60. SEALING GRIT FOR BINDER COURSE, IF REQUIRED, SHALL BE BITUMEN PRE-COATED GRIT, NOT EXCEEDING 3mm NOM. SIZE. WHERE USED FOR CONSTRUCTION TRAFFIC	65mm
BASE	DENSE BITUMEN MACADAM (DBM) BASE COMPLYING WITH BS EN 13108-1. AC32 DENSE BIN. BINDER GRADE 40/60.	210mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. THICKNESS TO BE DETERMINED FROM CBR VALUE MEASURED ONSITE. ALL TEST AND DECISIONS ON SUB-BASE REQUIREMENTS ARE TO BE MADE BY THE HIGHWAY AUTHORITY.	240mm
CAPPING	CLASS 6F1 OR 6F2 GRANULAR CAPPING MATERIAL TO CLAUSE 613 OF SHW. REQUIREMENT AND THICKNESS DEPENDANT UPON CBR TESTING. ALL TESTS AND DECISIONS ON CAPPING REPLACEMENT ARE TO BE MADE BY THE HIGHWAY AUTHORITY.	210mm *

- * THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR 5% INSITU. CBR TEST TO BE CARRIED OUT BY THE CONTRACTOR AT 20-30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY/ENGINEER.
- ** FOR AREAS OF BLOCK SURFACE IMPRINTING, 15mm SURFACE OVERLAY ONTO SURFACE COURSE TO BE APPLIED BY KEYING IN AT LIMITS. FINAL PATTERN AND COLOUR TO BE AGREED WITH WBC, SUGGESTED BRICK PATTERN IN GREY BY RHINO ASPHALT SOLUTIONS (WWW.RHINO-UK.COM) OR SIMILAR APPROVED.

LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE	ASPHALT CONCRETE SURFACE COURSE COMPLYING WITH BS EN 13108-1. AC6 CLOSE SURF, BINDER GRADE 100/150.	25mm
BINDER	DENSE BITUMEN MACADAM (DBM) BINDER COURSE COMPLYING WITH BS EN 13108-1. AC20 DENSE BIN, BINDER GRADE 40/60. SEALING GRIT FOR BINDER COURSE, IF REQUIRED, SHALL BE BITUMEN PRE-COATED GRIT, NOT EXCEEDING 3mm NOM. SIZE.	75mm
BASE	TYPE 1 (4/20) GRANULAR MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW.	150mm
SUB BASE	TYPE 1 (4/20) GRANULAR MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. MINIMUM CBR OF 20%. THICKNESS DEPENDANT UPON CBR TESTING.	*CBR <2% - 225mm CBR >2.5% - 150mm

*CBR TESTS UNDERTAKEN AT REGULAR INTERVALS OF 20-30m AND RESULTS REPORTED TO THE ENGINEER.

TARMACADAM FOOTWAY/ CYCLEWAY CONSTRUCTION

LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE	DENSE GRADE ASPHALT CONCRETE SURFACE COURSE COMPLYING WITH BS EN 13108. AC 6 DENSE SUR. BINDER GRADE 100/150 PEN	25mm
BINDER	DENSE GRADE ASPHALT CONCRETE BINDER COMPLYING WITH BS EN 13108. AC 20 DENSE BIN, BINDER GRADE 40/60 PEN	75mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. MINIMUM CBR OF 20%. THICKNESS DEPENDANT UPON CBR TESTING.	320mm *

- * THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR 5% INSITU. CBR TEST TO BE CARRIED OUT BY THE CONTRACTOR AT 20-30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY/ENGINEER.

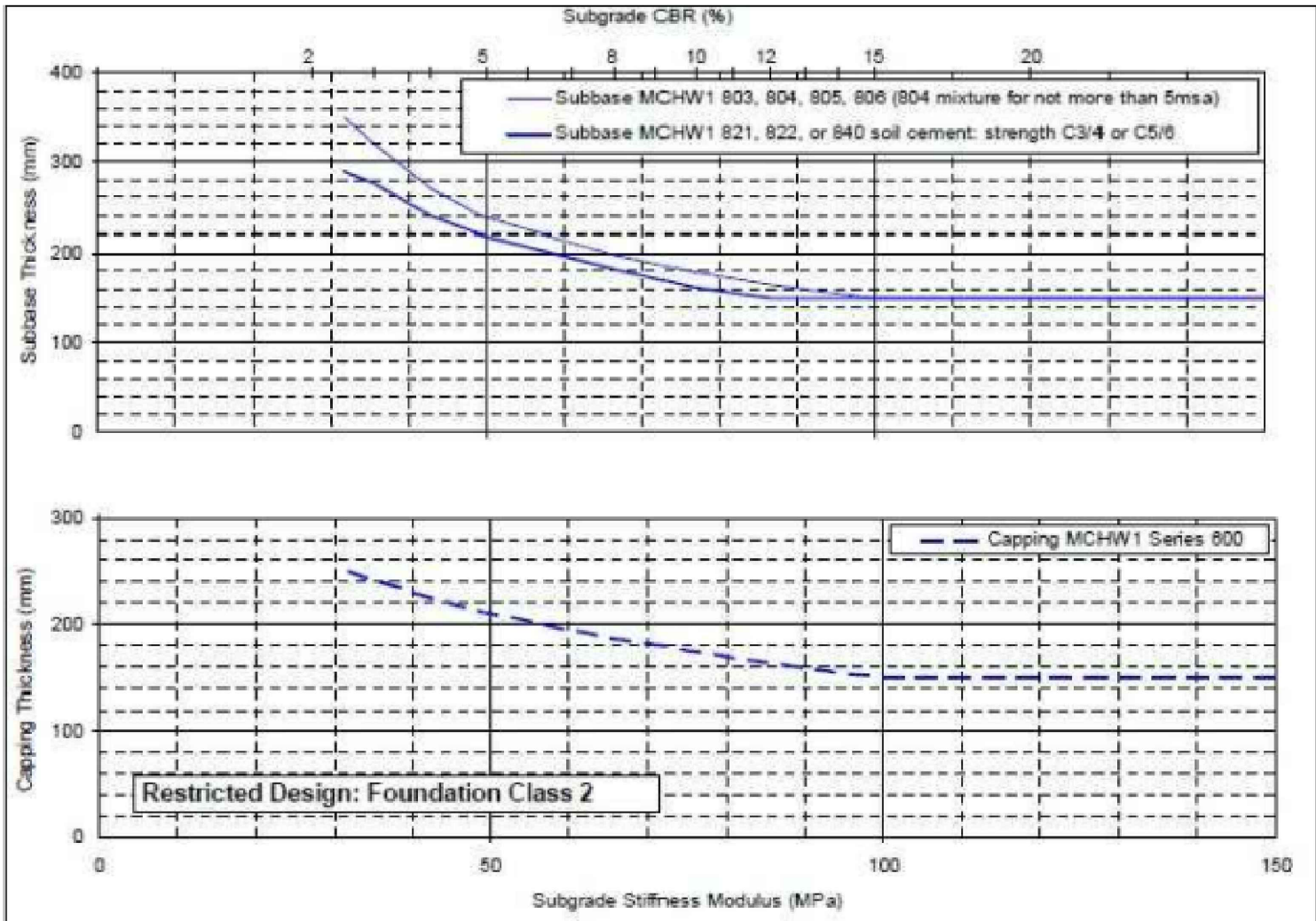
ALL THICKNESSES STATED ARE FINISHED COMPACTED THICKNESSES.

FOR FROST SUSCEPTIBLE SOILS MINIMUM CONSTRUCTION DEPTH IS 450MM. ADDITIONAL SUB-BASE LAYER IS TO BE LAID BELOW THE SUB-BASE TO ACHIEVE THE OVERALL CONSTRUCTION DEPTH OF 450MM.

BASE, SUB-BASE AND CAPPING LAYERS SHOULD BE COMPACTED IN ACCORDANCE WITH DTP "SPECIFICATION FOR HIGHWAY WORKS".

ALL FORMATIONS TO BE PROOF ROLLED IMMEDIATELY PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE FORMATION SHALL THEN BE PROTECTED FROM THE WEATHER DURING THIS PERIOD.

CARRIAGEWAY SUB-BASE OR CAPPING ONLY



CARRIAGEWAY SUB-BASE ON CAPPING

CBR (%)	Subbase on Capping (mm)		Subbase Only (mm)
	Subbase	Capping	
≤2.5	Ground Stabilisation		Ground Stabilisation
2.6 – 2.9	350	250	450
3.0 – 3.9	320	240	400
4.0 – 4.9	270	220	360
5.0 – 5.9	240	210	320
6.0 – 7.9	210	200	300
8.0 – 9.9	200	180	270
10 – 11.9	180	180	250
12.0 – 14.9	170	160	230
15.0≥	150	150	200

(figures used in the table above have been extracted from figures 3.1 and 3.2 of IAN 73/06 Rev 1)

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GENERAL NOTES:

- 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.
- Any anomaly or contradiction between any of the above is to be reported to the Engineer.
- WBC Highway Inspector to be present during inspections/CBR testing.
- Gratings and frames shall be to BS EN124 1994. Ref. Class D400 Trafficked areas. Large gratings may only be used by the approval of the overseeing organisation. Dished gratings permissible in footways only.
- Dowel bars may be required with standard kerbs in circumstances where the kerbs are vulnerable
- Blocks shall normally be bedded on 50 sharp sand complying with BS 882 grading C or M.
- In areas where the blocks may be trafficked, or narrow strips of paving are used as a feature, the sand must be substituted by 30 mortar to designation (i) or (ii) laid on CMBS concrete.
- Flags shall be bedded on 30 mortar to designation (ii) or (iii).
- The laying arrangement shown of tactile slabs are indicative only and shall be in accordance with Guidance on the use of Tactile Paving Surfacing DETR. When the dropped kerb is in direct line of travel the tactiles surface shall be laid to a depth of 1200mm
- The siting of the signal poles will be the responsibility of the signal engineer.
- Crossing kerbs shall be flush with the carriageway where tactile flags are used.

A	04/25	First Issue	LC	DS
Rev	Date	Description	Drawn	Checked



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Client
BLOOR HOMES
Project
HYDE END ROAD, SHINFIELD
Title
FULL APPLICATION HIGHWAY CONSTRUCTION DETAILS SHEET 1
Status
Scale
AS SHN @ A1
Date
APR 2025
Drawn
LC
Checked
DS
Drawing No
HD068-FA-065
Revision
A