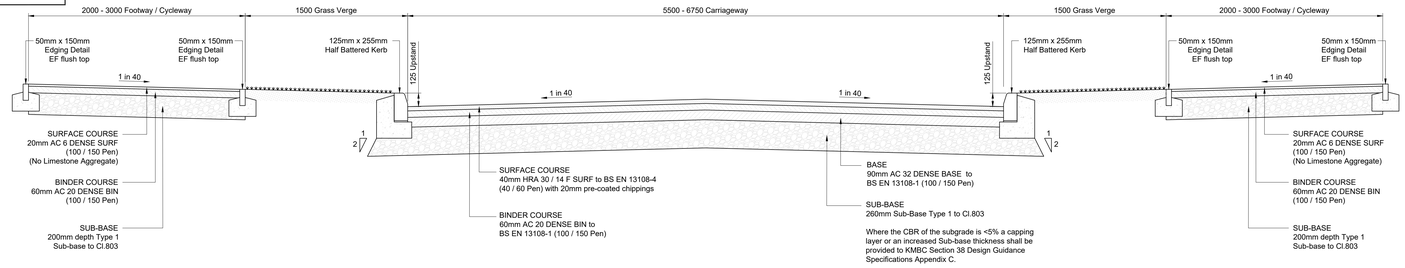
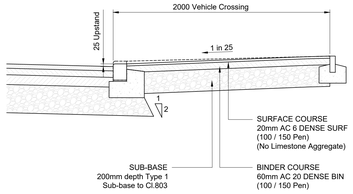
DO NOT SCALE



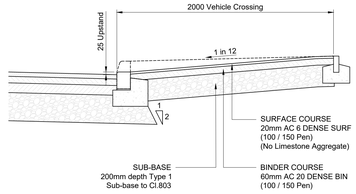
SECTION A-A - CROSS SECTION OF 5.5m / 6.75m WIDTH MAJOR RESIDENTIAL ROAD

SCALE 1:20



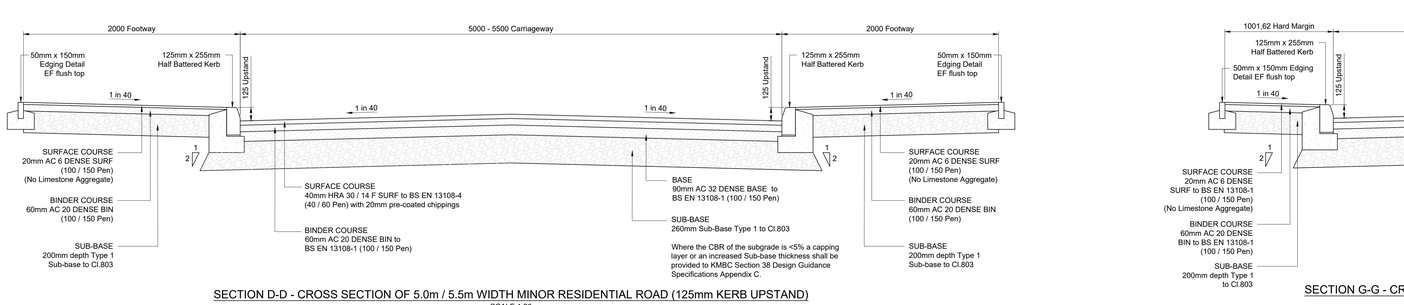
VEHICLE CROSSING DETAIL (BN 50mm TO BN 25mm)

SCALE 1:20



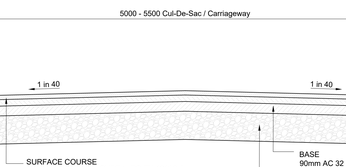
VEHICLE CROSSING DETAIL (HB2 125mm TO BN 25mm)

SCALE 1:20



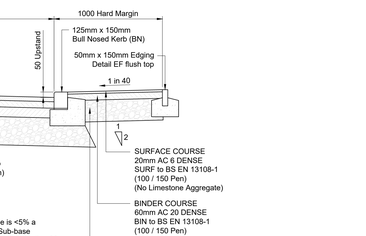
SECTION B-B - CROSS SECTION OF 5.5m / 6.75m WIDTH MAJOR RESIDENTIAL ROAD

SCALE 1:20



RAMP DETAIL

SCALE 1:20



JOINTING INTO EXISTING ROAD SURFACING

SCALE 1:10

SECTION C-C - CROSS SECTION OF 5.5m WIDTH MINOR RESIDENTIAL ROAD (125mm KERB UPSTAND)

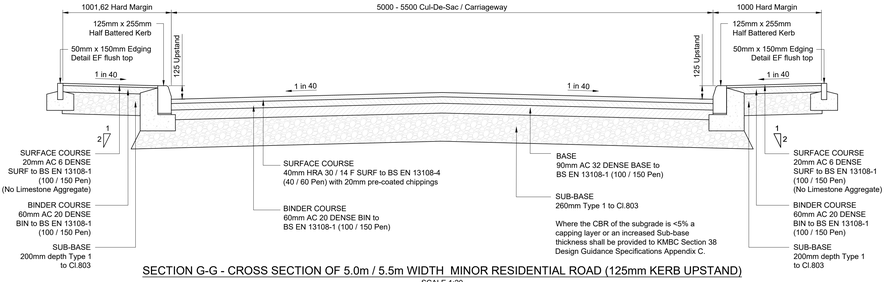
SCALE 1:20

SECTION F-F - CROSS SECTION OF 5.0m / 5.5m WIDTH MINOR RESIDENTIAL ROAD (125mm KERB UPSTAND)

SCALE 1:20

SECTION D-D - CROSS SECTION OF 5.0m / 5.5m WIDTH MINOR RESIDENTIAL ROAD (125mm KERB UPSTAND)

SCALE 1:20



SECTION G-G - CROSS SECTION OF 5.0m / 5.5m WIDTH MINOR RESIDENTIAL ROAD (125mm KERB UPSTAND)

SCALE 1:20

SECTION E-E - CROSS SECTION OF 5.0m / 5.5m WIDTH MINOR RESIDENTIAL ROAD (50mm KERB UPSTAND)

SCALE 1:20

SECTION H-H - CROSS SECTION OF 5.0m / 5.5m WIDTH MINOR RESIDENTIAL ROAD (50mm KERB UPSTAND)

SCALE 1:20

Minimum Sub-Base Thickness (mm) in accordance with MCHW Volume 1 Clause 801, Table 8/1

CBR of Sub-Grade	Capping Layer Thickness (mm)	Sub-Base Thickness (mm)	KMBC Standard Minimum Sub-Base Thickness (mm)
< 2%	600	150	-
2% - 2.5%	450	150	-
> 2.5% - 3%	-	-	350
> 3% - 4%	-	-	300
> 4% - 5%	-	-	260
> 5%	-	-	230

CAPPING AND SUB-BASE THICKNESS DESIGN

125 X 255 HALF BATTERED KERB

125 X 150 BULL NOSED KERBS IN CUL-DE-SACS

50 X 150 FLAT TOP EDGING

125 X 255 / 150 HALF BATTERED DROP KERB

KERB DETAILS

SCALE 1:10

Notes

1. All dimensions are in millimeters unless otherwise shown
2. All works to be in accordance with Knowsley Metropolitan Borough Council's 'Adoptable Residential Roads Specification' & Standard Details, and as agreed with a Council's representative.
3. The final thickness of sub-base materials required shall be determined by on site tests to the approval of the Engineer Soft spots below formation and unsatisfactory sub-grade materials shall be excavated and replaced with selected filling Type 1 material to formation level
4. Bitumen Materials shall comply with BS EN 13108-1
5. Where possible with the contraints of technical performance, recyled materials to be used, i.e recycled Type 1 sub base, recycled macadam base course.
6. CBR's to be carried out to Knowsley Metropolitan Borough Council's specification prior to capping/sub-base construction.
7. Refer to drawing 7778 / 03 for location of cross sections.
8. Frost susceptible sub-grades must have at least 450mm of non-frost susceptible cover.
9. All adoptable highway works are to be carried out to the satisfaction of the Local Authority Highways Inspector.
10. All adoptable highway formation levels are to be to Local Authority Approval. Contractor is to carry out CBR tests of proposed formation prior to commencement.

Design based on Layouts:
Cherryfield Drive, Kirkby. Planning Layout (South Parcel)
Dwg No. 203004, Dated 11 March 2024
Rev: AB

Cherryfield Drive, Kirkby. Planning Layout (North Parcel)
Dwg No. 203005, Dated 11 March 2024
Rev: AA

Grid/Level datum based on Topos:
Cherryfield Drive, Kirkby. Topographical Land Survey.
Dwg No. DWH.TS.04 Sheets 1 to 3, Dated 27.04.21
Rev: -

Topographical Land Survey.
Former All Saints School Cherryfield Drive, Knowsley.
Dwg No. A0 14F063/001 Sheets 1 & 2, Dated July '14
Rev: -

Coopers Drawing List:

7778 / 01	Proposed S104 Drainage Layout
7778 / 02	Proposed Highway Setting Out
7778 / 03	Proposed Highway Layout
7778 / 04	Proposed Highway and Drainage Longsections
7778 / 05	Highway Construction Details
7778 / 06	Proposed Surface Finishes
7778 / 07	S38 Agreement Plan
7778 / 08	External Works Layout
7778 / 09	Private Drainage Layout
7778 / 10	Private Drainage Construction Details
7778 / 11	Manhole Schedules
7778 / 12	Flow Control Manhole Details
7778 / 13	Surface Water Catchment Areas
7778 / 14	Surface Water Attenuation Details
7778 / 15	Proposed Cut and Fill Earthworks
7778 / 16	Plot Setting Out
7778 / 17	Manhole Connection Plan

TENDER

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Project

CHERRYFIELD DRIVE, KIRKBY.

Title

Highway Construction Details Sheet 1 of 2

DRAWING NUMBER	SCALE at A0	1:20 & 1:10	
7778 / 05-1	DATE	19.02.25	REVISION
	DRAWN	PJN	-
	CHECKED	AJ	

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