

ADOPTABLE CARRIAGEWAY
SEE TABLES FOR CONSTRUCTION DETAILS
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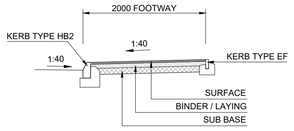

ADOPTABLE FOOTWAY
SEE TABLES FOR CONSTRUCTION DETAILS
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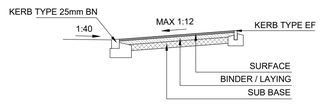

VEHICULAR CROSSOVER
SEE TABLES FOR CONSTRUCTION DETAILS
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CARRIAGEWAY SUB BASE / CAPPING REQUIREMENTS

CBR (%)	SUB BASE ON CAPPING (mm)		SUB BASE ONLY (mm)
	SUB BASE	CAPPING	
<2.5	GROUND STABILISATION		GROUND STABILISATION
2.5-2.9	250	420	420
3.0-3.9	230	380	370
4.0-4.9	220	330	320
5.0-5.9	200	250	270
6.0-9.9	180	240	260
10.0-11.9	150	200	220
12.0-14.9	150	180	220
≥15.0	150	150	220

- THE ABOVE DATA IN TABLE HAS BEEN DERIVED FROM FIGURES 3.18 AND 3.20 OF CD 225 REV 1

GENERAL NOTES

1. THIS DRAWING SHOULD NOT BE PRODUCED IN WHOLE OR PART WITHOUT THE WRITTEN CONSENT OF LINK ENGINEERING.
2. DO NOT SCALE FROM THIS DRAWING. UNITS ARE IN METRES UNLESS NOTED OTHERWISE.
3. THE GROUNDWORKER IS TO CHECK ALL INFORMATION PROVIDED PRIOR TO COMMENCING WORKS AND SEEK CLARIFICATION FROM THE ENGINEER IN RESPECT TO ANY AMBIGUITIES FOUND.
4. ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
5. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER SCHEME SPECIFIC DRAWINGS & SPECIFICATIONS.
6. BACKGROUND PLAN BASED ON TOPOGRAPHIC SURVEY DRAWING NO. B253/12400/1REVF CREATED BY ANTHONY BROOKES SURVEYS LTD AND SUPPLIED FOR THE PURPOSE OF CARRYING OUR ENGINEERING WORKS. WE CANNOT BE HELD RESPONSIBLE FOR THE CONTENT, COMPLETENESS AND ACCURACY PROVIDED TO US BY OTHERS. THE GROUNDWORKER SHALL CHECK ALL DIMENSIONS AND LEVELS ON SITE.
7. DRAWING ISSUED FOR PRELIMINARY DISCUSSIONS ONLY, SUBJECT TO FURTHER APPROVAL FROM LOCAL PLANNING AUTHORITY, LOCAL HIGHWAY AUTHORITY, SEWERAGE UNDERTAKER, ENVIRONMENT AGENCY AND ANY OTHER GOVERNING PARTIES. FOLLOWING RECEIPT OF FURTHER INFORMATION AND COMMENTS THE SCHEME MAY BE REVISED.
8. ALL SETTING OUT IS TO BE BASED ON ARCHITECTS INFORMATION UNLESS NOTED OTHERWISE.
9. WHERE AN INSET PARKING BAY IS ADJACENT A VERGE AND/OR SERVICE MARGIN, THE VERGE CONSTRUCTION SHALL BE REPLACED WITH A FOOTWAY AS PER "ADOPTABLE FOOTWAY" DETAIL WITH A WIDTH ≥1000.
10. IF HATCHED AREA IS TO BE FOOTWAY AND SURFACE MATERIAL OF BUILD-OUT IS TO MATCH THAT OF FOOTWAY, EDGING KERB IS NOT REQUIRED.
11. MIN WIDTH FOR RESIDENTIAL INSET PARKING BAYS TO BE 2500 FOR PRIMARY AND SECONDARY ROADS. ALL OTHER ROODS TO BE APPROPRIATE TO DESIGN (MIN 2000). IF INSET BAY IS INTENDED FOR COMMERCIAL USE, LOADING BAY WIDTH SHALL BE 3000.
12. FOR RESIDENTIAL PARKING BAYS, LENGTH SHALL BE 6000 AND 6600 FOR DISABLED BAYS. FOR COMMERCIAL LOADING BAYS, LENGTH SHALL BE DEPENDENT ON INTENDED VEHICLE SIZE AND SPACE REQUIRED FOR UNLOADING (GENERALLY 2000).
13. FOR RESIDENTIAL INSET BAYS, TAPER SHALL BE 45' FROM END KERB OT REAR OF BAY (2500 IF BAY WIDTH IS 2500).

FOR COMMERCIAL USE LOADING BAYS, THE TAPERS SHALL BE DEPENDENT ON METHOD OF ENTRY/ MANOEUVRE AS BELOW;
FORWARDS IN: VEHICLE LENGTH + WIDTH
FORWARDS OUT: VEHICLE LENGTH * WIDTH
REVERSE IN: VEHICLE LENGTH * WIDTH

14. TYPICAL FOR 2300 OR 3500 IF ACCOMMODATING TREES.
15. ALL IN SITU CONCRETE FOOTING AND BACKING TO BE C20 (ST4).
16. IF KERBS AND FOOTING/BACKING CANNOT BE LAID IN ONE OPERATION (ELSEWHERE REINFORCEMENT OF BACKING IN NON-REINFORCED DETAILS IS REQUIRED) THEN STANDARD DETAILS SHALL BE ADAPTED AS PER ONE OF THE REINFORCED OPTIONS UNDER 'GENERAL LAYOUTS FOR ADAPTATION' TO SECURELY BED KERBS/LINK BACKING TO PRE-CURED FOOTINGS.
17. IN ALL INSTANCES, THE DEPTH OF FOOTINGS/BEAMS SHALL BE SUFFICIENT TO ALLOW THEM TO BE PLACED DIRECTLY ON TOP OF THE SUBBASE.
18. MOVEMENT JOINTS SHALL BE PROVIDED THROUGH FOOTINGS/BEAMS/BACKING.

REF 1 - RESIDENTIAL ACCESS ROAD

COURSE	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	50mm
BINDER	DENSE BITUMEN MACADAM (DBM) BINDER COURSE COMPLYING WITH BS EN 13108-1. AC20 DENSE BIN, BINDER GRADE 40/60	60mm
BASE	DENSE BITUMEN MACADAM (DBM) BASE COMPLYING WITH BS EN 13108-1. AC32 DENSE BIN, BINDER GRADE 40/60	130mm
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	420mm

- THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR IS 2.5% INSITU. CBR TESTING TO BE CARRIED OUT BY THE GROUNDWORKER AT 30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY / ENGINEER.
- WHERE CBR VALUES ARE LESS THAN 2.5%, GROUND STABILISATION IS TO BE UNDERTAKEN USING EITHER CEMENT OR LIME IN ACCORDANCE WITH CLAUSES 614 AND 615 OF MCDHW VOLUME 1 SERIES 600. METHOD TO BE AGREED WITH HIGHWAY AUTHORITY / ENGINEER.
- CBR TESTS TO BE CARRIED OUT BY THE GROUNDWORKER ON THE SURFACE OF THE STABILISED MATERIAL WHEN COMPLETE AND REPORTED TO THE HIGHWAY AUTHORITY / ENGINEER

REF 2&3 - BLOCK PAVED SHARED ACCESS ROAD

COURSE	SPECIFICATION	THICKNESS (mm)
SURFACE	MARSHALLS KEYBLOK (200X100) CONCRETE PAVING LAID IN HERRINGBONE PATTERN. COLOUR: CHARCOAL OR BRINDLE AS SHOWN ON MATERIALS PLAN	80mm
LAYING	COURSE SHARP SAND. TO BE TREATED WITH APPROVED ACTIVE PRE AND POST EMERGENCE RESIDUAL WEED KILLER	50mm
BASE	CLOSE GRADED AC32 DENSE BIN, BINDER GRADE 40/60. COMPLYING WITH BS EN 13108-1	130mm
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	420mm

- THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR IS 2.5% INSITU. CBR TESTING TO BE CARRIED OUT BY THE GROUNDWORKER AT 20-30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY / ENGINEER.

REF 4 - RESIDENTIAL FOOTWAY

COURSE	SPECIFICATION	THICKNESS (mm)
SURFACE	CLOSE GRADED AC6, PEN 100 / 150	25mm
BINDER	75mm CLOSE GRADED AC20, PEN 40/60	75mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW	100mm

- THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR IS 2.5% INSITU. CBR TESTING TO BE CARRIED OUT BY THE GROUNDWORKER AT 20-30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY / ENGINEER.

REF 5 - RESIDENTIAL FOOTWAY VEHICULAR CROSSING

COURSE	SPECIFICATION	THICKNESS (mm)
SURFACE	CLOSE GRADED AC6, PEN 100 / 150	25mm
BINDER	75mm CLOSE GRADED AC20, PEN 40/60	75mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW	150mm

- THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR IS 2.5% INSITU. CBR TESTING TO BE CARRIED OUT BY THE GROUNDWORKER AT 20-30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY / ENGINEER.

REF 6 - BLOCK PAVED RESIDENTIAL FOOTWAY

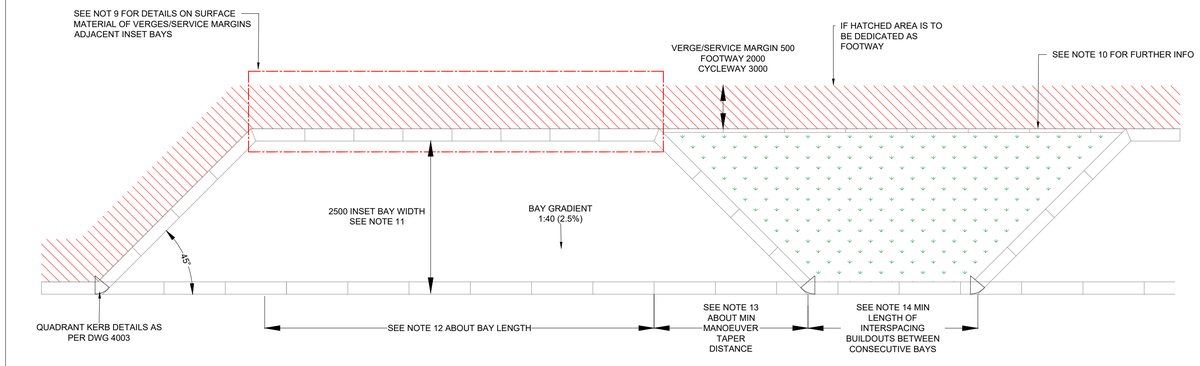
COURSE	SPECIFICATION	THICKNESS (mm)
SURFACE	MARSHALLS KEYBLOK (200X100) CONCRETE PAVING LAID IN HERRINGBONE PATTERN. COLOUR: BRINDLE	80mm
LAYING	SHARP SAND. TO BE TREATED WITH APPROVED ACTIVE PRE AND POST EMERGENCE RESIDUAL WEED KILLER	50mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW	100mm

- THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR IS 2.5% INSITU. CBR TESTING TO BE CARRIED OUT BY THE GROUNDWORKER AT 20-30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY / ENGINEER.

REF 7 - BLOCK PAVED RESIDENTIAL FOOTWAY VEHICULAR CROSSING

COURSE	SPECIFICATION	THICKNESS (mm)
SURFACE	MARSHALLS KEYBLOK (200X100) CONCRETE PAVING LAID IN HERRINGBONE PATTERN. COLOUR: BRINDLE	80mm
LAYING	SHARP SAND. TO BE TREATED WITH APPROVED ACTIVE PRE AND POST EMERGENCE RESIDUAL WEED KILLER	30mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW	200mm

- THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR IS 2.5% INSITU. CBR TESTING TO BE CARRIED OUT BY THE GROUNDWORKER AT 20-30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY / ENGINEER.



INSET PARKING BAY AND BUILDOUT
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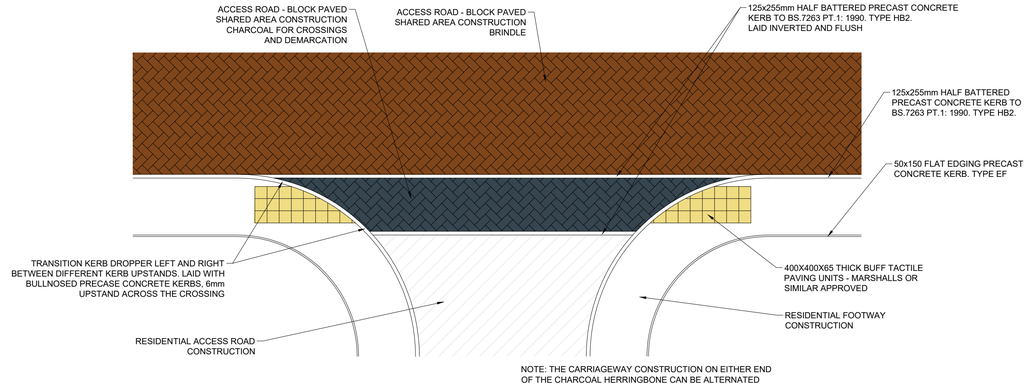
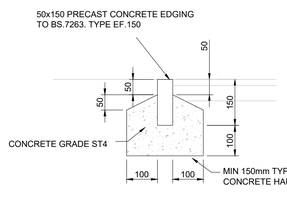
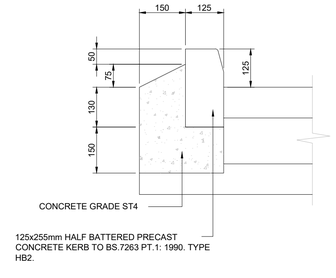


TYPICAL CROSSING INTERFACE BETWEEN BLOCK PAVED AND ASPHALT CARRIAGEWAY
1:10



EDGING (EF)
1:10



HALF BATTER KERB (HB2)
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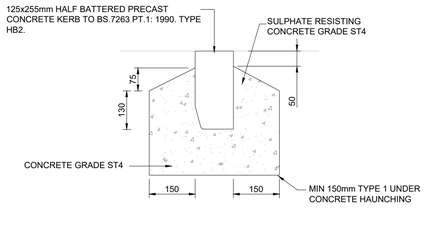

INVERTED HALF BATTER KERB (CS1)
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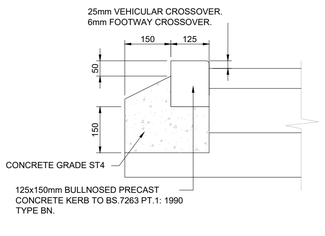

HALF HEIGHT BULLNOSE KERB (BN)
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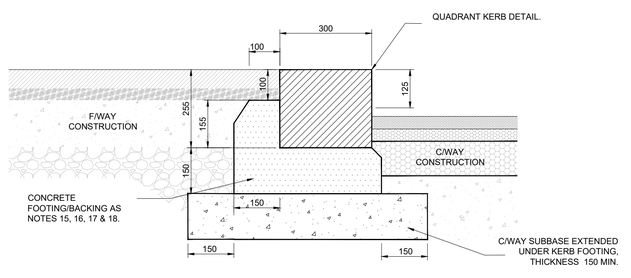

QUADRANT KERB
1:10

Rev.	Amendments	Date	By
T02	TENDER ISSUE UPDATED TO SUIT COMMENTS	01.07.26	NLS
T01	TENDER ISSUE	31.03.26	BL
P01	INITIAL ISSUE.	05.03.26	WM

Revisions

Client: miller homes

Link ENGINEERING
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Project
LE26016
S38
SOUTH WOKINGHAM

Drawing
S38 CONSTRUCTION DETAILS
SHEET 1

DWG No. 817120-LN-XX-S38-DR-C-4002

Status: TENDER (D2)

Scale @ A1	Drawn	Checked	Rev
AS SHOWN	WM	BL	T02