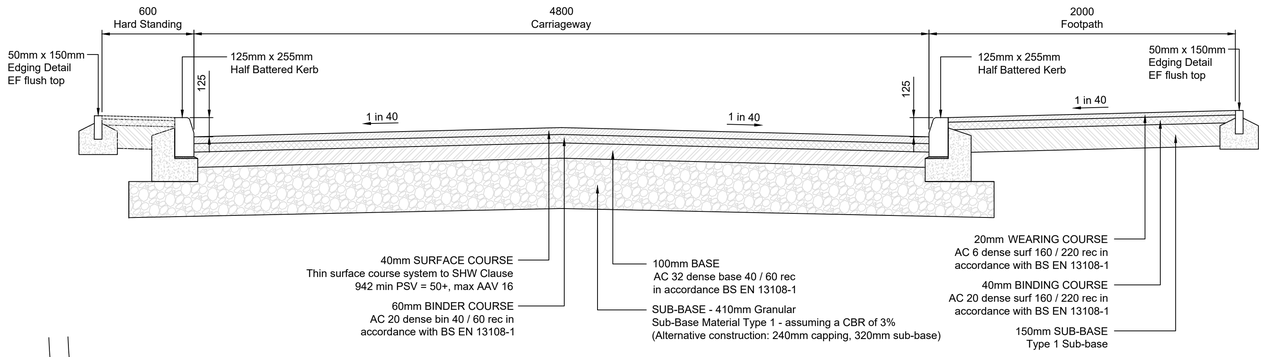
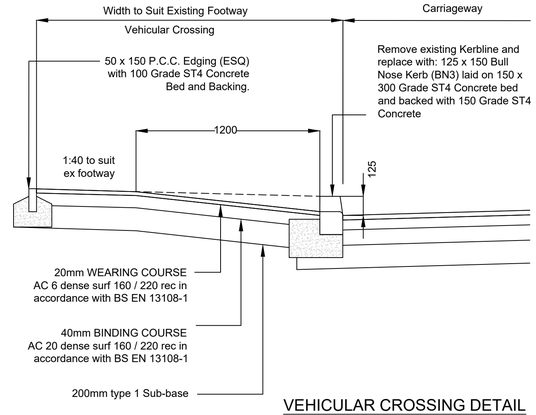
DO NOT SCALE



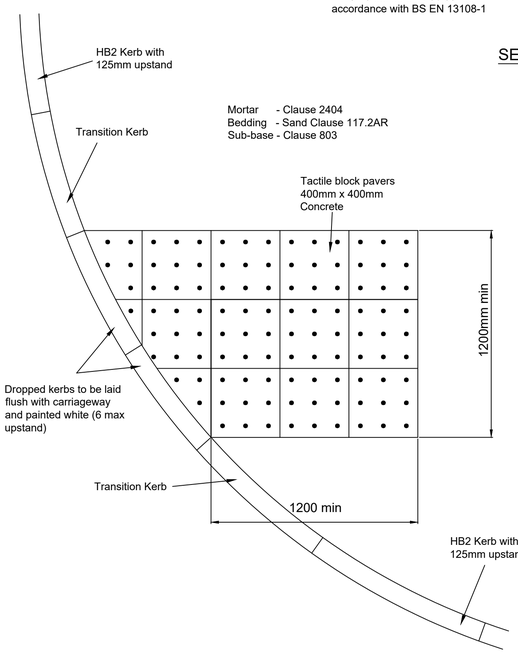
SECTION A-A

SCALE 1:20



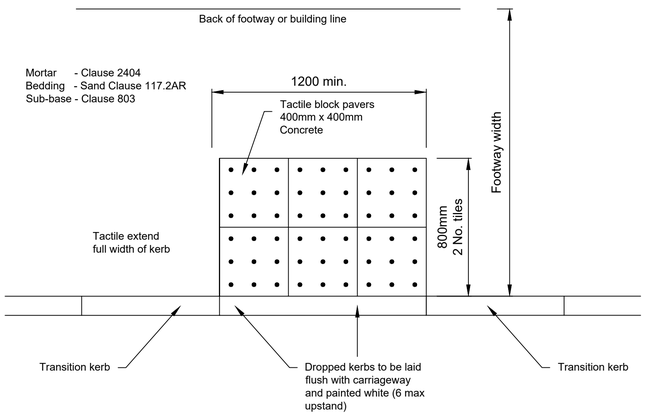
VEHICULAR CROSSING DETAIL TO FOOTWAY

SCALE 1:20



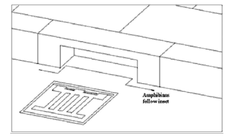
LAYOUT AT UNCONTROLLED CROSSING

SCALE 1:20

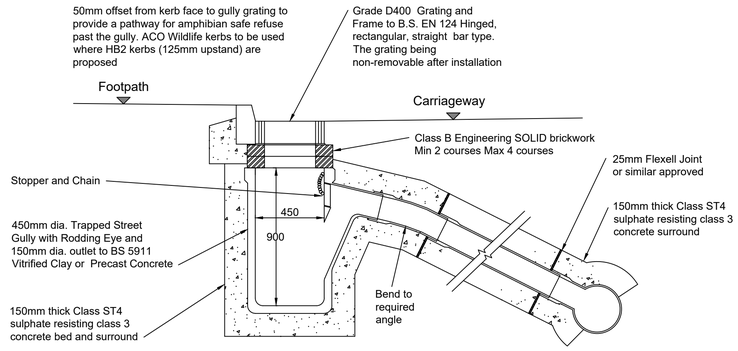


LAYOUT AT UNCONTROLLED CROSSING

SCALE 1:20



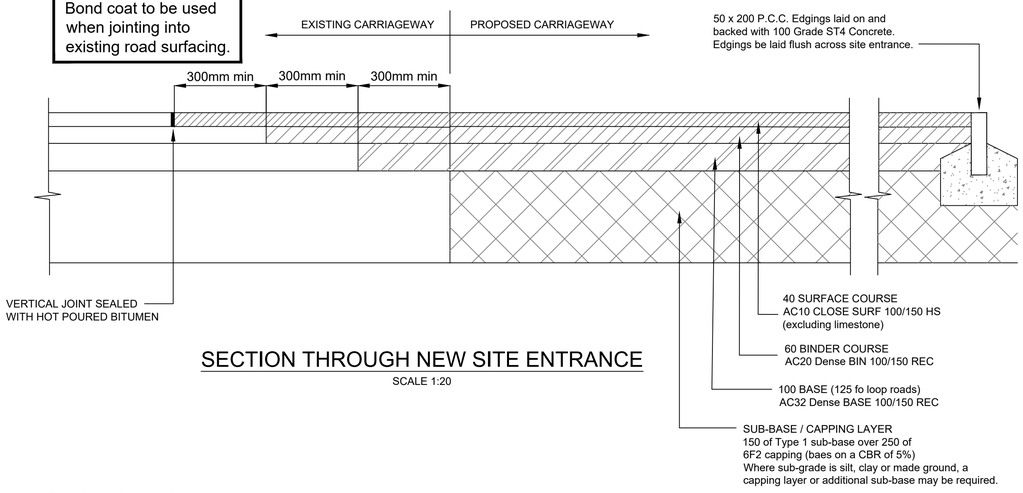
50mm offset from kerb face to gully grating to provide a pathway for amphibian safe refuse past the gully. ACO Wildlife kerbs to be used where HB2 kerbs (125mm upstand) are proposed



HIGHWAY GULLY

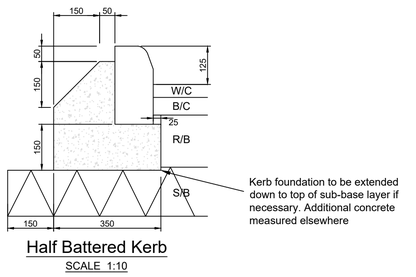
SCALE 1:20

Note:
Bond coat to be used when jointing into existing road surfacing.



SECTION THROUGH NEW SITE ENTRANCE

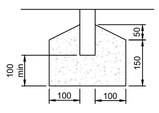
SCALE 1:20



Kerb foundation to be extended down to top of sub-base layer if necessary. Additional concrete measured elsewhere

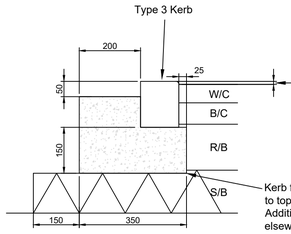
Half Battered Kerb

SCALE 1:10



Edging Kerb

SCALE 1:10



Upstand for vehicular access & pedestrian crossings to be 20mm. Where necessary for drainage purposes this dimension may be increased to 35mm.

If tactile paving is provided for use by disabled persons then the upstand shall be 0-6mm.

Kerb foundation to be extended down to top of sub-base layer if necessary. Additional concrete measured elsewhere

Bullnose Kerb

SCALE 1:10

NOTE:

1. Kerbs to be manufactured to standards of BS7263 part 1.
2. Kerbs to be laid on 10mm designation (ii) mortar on prepared foundation. alternatively lay kerbs on well compacted bed of semidry concrete, max. 35 slump, all in accordance with BS7263 part 2.
3. Concrete to be S.T.1.

ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE

Table 3 : Road Foundation Design Thicknesses

ESTIMATED CBR (%)	Foundation Option 1 Sub base only	Foundation Option 2 Sub base and capping	
	Sub Base Depth (mm)	Capping Depth (mm)	Sub Base Depth (mm)
2.5	450	250	350
3	410	240	320
4	360	230	270
5	320	210	240
6	300	200	220
7	280	200	210
8	260	190	200
9	250	180	190
10	240	170	180
11	230	170	170
12	220	160	160
13	210	160	160
14	210	150	150
>15	200	150	150

Notes

1. All works shall be to the satisfaction of the Highway Authority and to the specification of WCBC Supplementary Design Guide to Design Bulletin 32.
2. All works shall be constructed to adoptable standards in accordance with WCBC standard details
3. All foundation design / materials testing shall be carried out in accordance with WCBC residential roads & footpaths - Appendix D minimum construction specification. All test resuts / certificates shall be submitted to WCBC for further approval
4. A CBR of 5% has been assumed (on Geotechnical Engineers advice).
   If the subgrade material appears to be different from this the CBR value should be confirmed by the contractor on site in accordance with the specification. The minimum value of CBR shall then be used to determine the construction thicknesses for the capping and sub base layer
5. Kerb references to BS 7263-3 : 2001
   HB2 : 125 x 225 half battered
   BN : 125 x 150 bullnosed
   EF : 50 x 150 flat top edging
   DL1 : left hand HB2 to BN dropper
   DR1: right hand HB2 to BN dropper
6. HB2 kerbs to all carriageway edges unless otherwise noted.
7. All bullnosed kerbs to have dropper kerbs either side for transition to half battered kerb.
8. Flat top edgings to be installed at back of all footways unless otherwise noted
9. Internal angles 125 x 225 HB to be used where appropriate.
10. For radii of 12m or less, purpose made radii kerbs are to be used.

APPROVAL

Rev.	Date	Revision	By	Appd.
B	05.05.26	Newt friendly (wildlife kerb) added to gully	PW	AJ
A	25.09.23	Updated to suit revised layout	PW	AJ

coopers
chartered consulting engineers
Park House
Sandpiper Court
Chester Business Park
Chester
CH4 9QU
Tel: 01244 684910
Email: admin@coopers.co.uk
Web: http://coopers.co.uk

Client

Dave Cottle Civil Engineering

Project

MORETON PUBLIC HOUSE, JOHNSTOWN.

Title

Highway Construction Details

DRAWING NUMBER	SCALE at A1	NTS	
7633 / 105	DATE	18.04.23	REVISION
	DRAWN	PW	B
	CHECKED	AJ	

© Copyright The original of this drawing contained coloured symbols and/or features. Any black and white reproduction should not be relied upon.