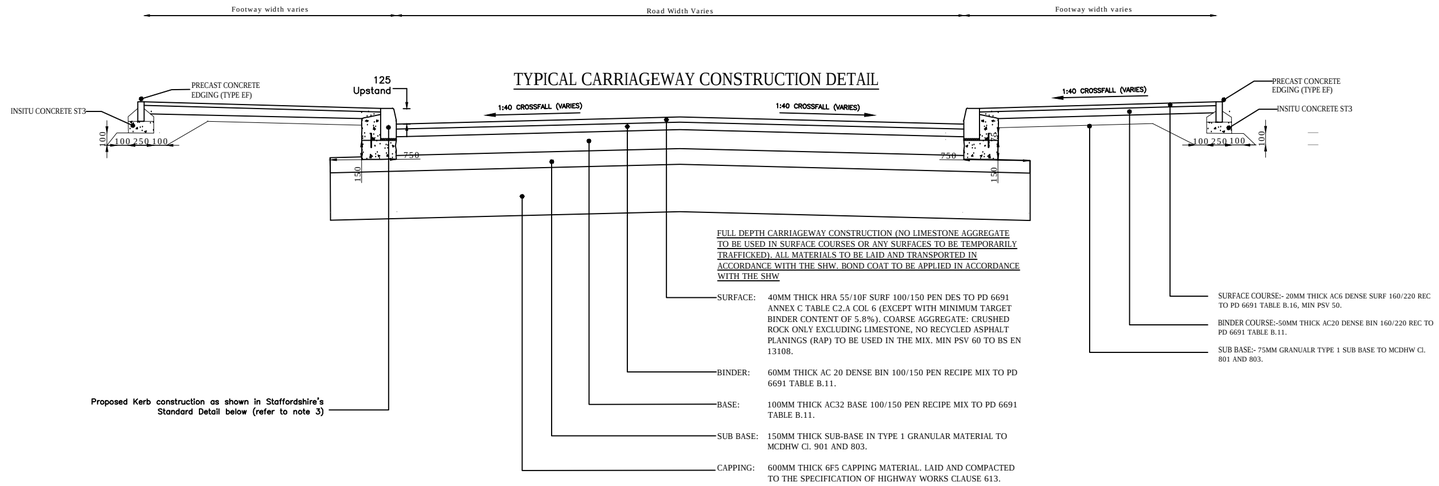
Z:\projects\2664 DD Woodland St Biddulph-Staffordshire-HHL\CAD\Croft Drawings\S278 Woodland St Biddulph Mastercopy.dwg

TYPICAL CARRIAGEWAY CONSTRUCTION DETAIL



FULL DEPTH CARRIAGEWAY CONSTRUCTION (NO LIMESTONE AGGREGATE TO BE USED IN SURFACE COURSES OR ANY SURFACES TO BE TEMPORARILY TRAFFICKED). ALL MATERIALS TO BE LAID AND TRANSPORTED IN ACCORDANCE WITH THE SHW. BOND COAT TO BE APPLIED IN ACCORDANCE WITH THE SHW

SURFACE: 40MM THICK HRA 55/10F SURF 100/150 PEN DES TO PD 6691 ANNEX C TABLE C2.A COL 6 (EXCEPT WITH MINIMUM TARGET BINDER CONTENT OF 5.8%). COARSE AGGREGATE: CRUSHED ROCK ONLY EXCLUDING LIMESTONE, NO RECYCLED ASPHALT PLANINGS (RAP) TO BE USED IN THE MIX. MIN PSV 60 TO BS EN 13108.

BINDER: 60MM THICK AC 20 DENSE BIN 100/150 PEN RECIPE MIX TO PD 6691 TABLE B.11.

BASE: 100MM THICK AC32 BASE 100/150 PEN RECIPE MIX TO PD 6691 TABLE B.11.

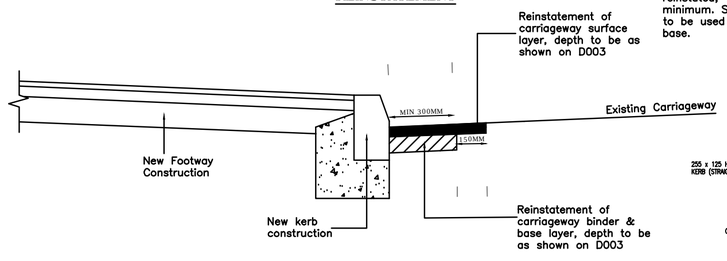
SUB BASE: 150MM THICK SUB-BASE IN TYPE 1 GRANULAR MATERIAL TO MCDHW Cl. 901 AND 803.

CAPPING: 600MM THICK 6F5 CAPPING MATERIAL. LAID AND COMPACTED TO THE SPECIFICATION OF HIGHWAY WORKS CLAUSE 613.

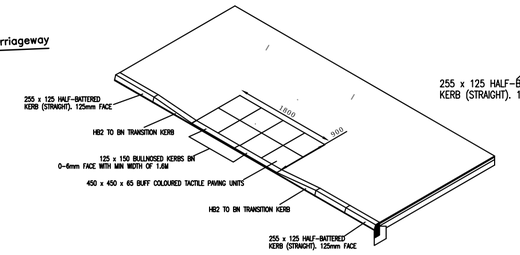
CBR HERE ESTIMATED AS LESS THAN 2.0% BUT CBR VALUE TO BE ESTABLISHED ON SITE PRIOR TO STARTING WORKS AND COPIES ISSUED TO THE LOCAL AUTHORITY REPRESENTATIVE. CONTRACTOR TO REFER RESULTS TO A REPRESENTATIVE OF THE LOCAL AUTHORITY AND THE SCC RESIDENTIAL DESIGN GUIDE APPENDIX E HIGHWAY SPECIFICATION FOR FURTHER GUIDANCE ON SUB-BASE CAPPING RELATIONSHIP. CBR VALUE TO BE VERIFIED FOLLOWING DETERMINATION OF EQUILIBRIUM CBR VALUES DISTURBED SAMPLES TAKEN ON SITE AT THE PAVEMENT FORMATION LEVEL.

ALL MATERIAL WITHIN 450MM OF THE FINISHED ROAD SURFACE SHALL BE NON-FROST SUSCEPTIBLE

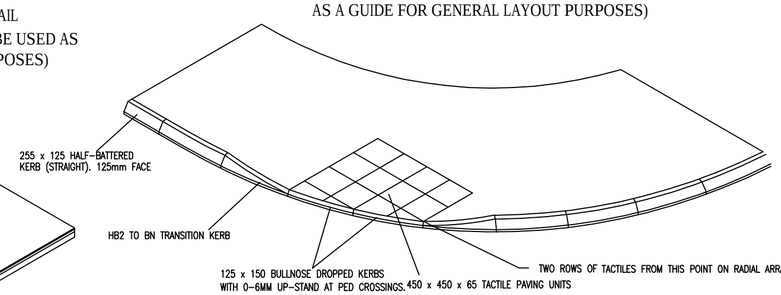
KERB RENEWAL / CARRIAGEWAY REINSTATEMENT



STRAIGHT DROPPED KERB DETAIL
(NOTE : THE ABOVE DETAIL SHOULD BE USED AS A GUIDE FOR GENERAL LAYOUT PURPOSES)

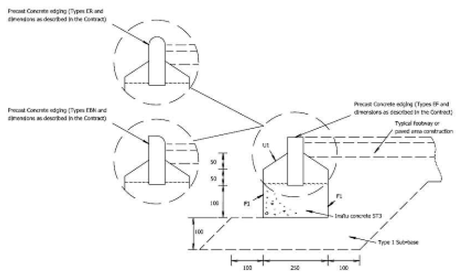


RADIAL DROPPED KERB DETAIL
(NOTE : THE ABOVE DETAIL SHOULD BE USED AS A GUIDE FOR GENERAL LAYOUT PURPOSES)



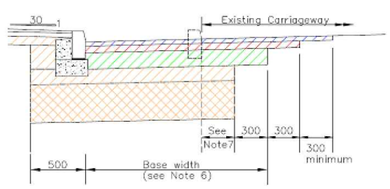
NOTES:-

1. All dimensions are in millimetres
2. Details of Pavement materials and layer thicknesses are described in Appendix 7/1.
3. Existing Surface and Binder courses to be saw-cut and vertical faces tack coated as described in Appendix 7/4.
4. Existing pavement shall be cleaned and tack coated prior to overlay as as described in Appendix 7/4.
5. Exact locations of tie-ins to be agreed with the Supervisor.
6. Where the "base width" is in a tapering section and is less than 750mm wide, then concrete may be used in lieu of base. Concrete to be ST1, wet lean to Clause 1030.
7. Amount of cut-back to existing foundation to be agreed with the Supervisor.
8. The surface course joint position shall comply with SHW cl.903.21. No joint shall coincide with the wheel path.

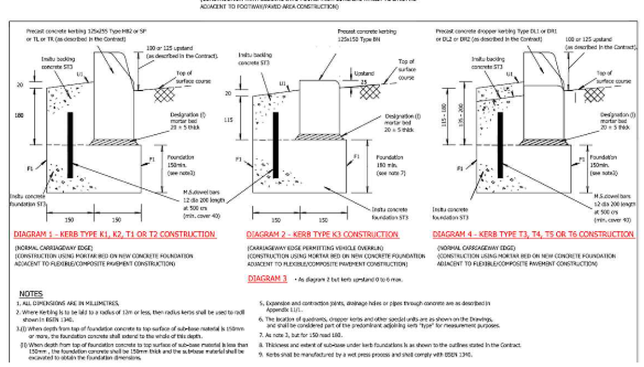


EDGING TYPE CONSTRUCTION
(NORMAL FOOTWAY OR RAISED AREA EDGE)
(CONSTRUCTION WITH BEDDING INTO FOUNDATION CONCRETE WHILST PLASTIC AND ADJACENT TO FOOTWAY/PAVED AREA CONSTRUCTION)

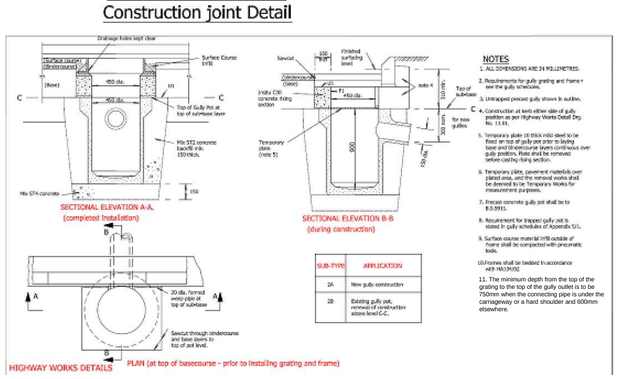
NOTES
1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. Should the Contractor wish to lay exgings on a mortar bed the foundation shall be laid to allow for a 12 thick designation (I) mortar bed.
3. Backing concrete shall be continuous. Fronting concrete shall be sufficient to support the edgings at the ends and joints during construction of adjacent footway or paved area.
4. Orientation of edging sections to Type EBN shall be as described in the Contract for each application.
5. Edgings shall be manufactured by a wet press process and shall comply with BSEN 1340



Longitudinal Pavement Construction joint Detail



NOTES
1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. Where kerbing is to be laid to a radius of 12m or less, then radius kerbs shall be used to radii shown in BSEN 1340.
3.(i) When depth from top of foundation concrete to top surface of sub-base material is 150mm or more, the foundation concrete shall extend to this whole of this depth.
(ii) When depth from top of foundation concrete to top surface of sub-base material is less than 150mm , the foundation concrete shall be 150mm thick and the sub-base material shall be excavated to obtain the foundation dimensions.
5. Expansion and contraction joints, drainage holes or pipes through concrete are as described in Appendix 11/1..
6. The location of quadrants, dropper kerbs and other special units are as shown on the Drawings, and shall be considered part of the predominant adjoining kerb "type" for measurement purposes.
7. As note 3, but for 150 road 100.
8. Thickness and extent of sub-base under kerb foundations is as shown to the outlines stated in the Contract.
9. Kerbs shall be manufactured by a wet press process and shall comply with BSEN 1340.



NOTES

REV	DETAILS	DRAWN	CHECKED	DATE
-	FIRST SUBMISSION	JC	MC	MAY 19

CLIENT:
HHL DEVELOPMENTS LTD

PROJECT:
WOODLAND STREET, BIDDULPH

DRAWING TITLE:
S278 STANDARD DETAILS

SCALES:
NTS @ A2

DRAWN:	CHECKED:	DATE:
JC	MC	MAY 19

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DRAWING NUMBER: 2664-D005
REVISION: .

CROFT