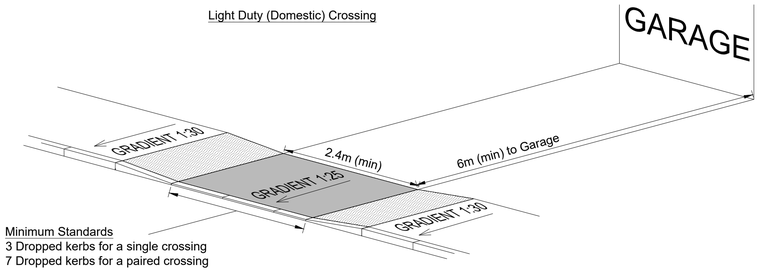


FOOTWAY DETAILS

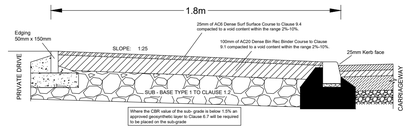
FOOTWAY DETAILS

Light Duty (Domestic) Crossing



Minimum Standards
3 Dropped kerbs for a single crossing
7 Dropped kerbs for a paired crossing

For narrow roads or where geometry
dictates 4 or more kerbs will be required



VEHICLE CROSSING DETAIL

FOOT WAY CONSTRUCTION NOTES

Surface Course:
25mm of 6mm size Dense 70/100 Surface Course (AC 6 dense surf) to Clause 9.4 compacted to a void content within the range 2%-10%.
The Surface Course must be bonded to the Binder Course.

Binder Course:
100mm of 20mm size Dense, 70/100 Binder Course (AC 20 dense bin rec) to Clause 9.1 compacted to a void content within the range 2%-10%. Laid in a single layer.

Sub - Base:
100mm of Type 1 sub-base to Clause 1.2.
Thickness increased to 150mm for vehicle accesses

CARRIAGEWAY CONSTRUCTION NOTES

Surface Course:
40mm of 10mm size close graded surface course (AC10 close surf 70/100) to Clause 7.3. It must be compacted in accordance with Clause 7.2 to avoid content within the range 2% - 10%. The Surface Course must be bonded to the Binder Course.

Binder Course:
130mm of 20mm size Dense binder course (AC 20 Dense bin 40/60 rec) to Clause 9.1 and shall be laid in a single layer or combination of layes not less than 50mm thickness nor greater than 110mm in thickness. Compaction must be in accordance with Clause 7.2 to avoid content within the range 2%-8% and all layers must be bonded together with Tack coat to Clause 9.2.

Sub - Base:
300mm Thick Sub-base shall conform with Clause 8.1 and shall be compacted thickness of DoT Type 1 Granular material highways specification Clause 803. It shall be spread evenly on the formation in layers of a depth not more than 150mm compacted thickness.

Capping Layer:
A Capping layer will be required due to ground CBR 1.5%.
200mm Thickness of Type 6F5 Granular matarial to be laid on a layer of Geogrid Tenax Type A TR20-3381 V1 above a single layer of Ekotex Type B TR20-3381 V1, for seperation. Granular fill material for both parts to be well compacted type 1 to clause 803 SHW.

Notes:
Clauses specified refer to Lincolnshire County Council's DEVELOPMENT ROAD SUSTAINABLE DRAINAGE SPECIFICATION AND CONSTRUCTION
May 2018 Edition

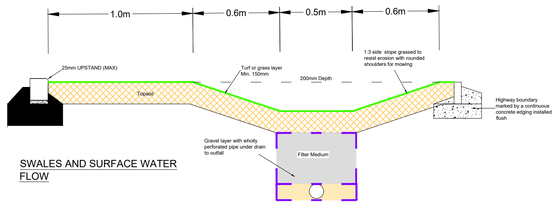
Dense Binder Course: Clause 9.1
This material shall be AC 20 dense bin rec (20 mm size Dense Binder Course recipe mix) to BS EN 13108-1. The binder shall conform to BS EN 12591 grade 40/60 for carriageway construction. For vehicle crossings and footways the binder shall be either 40/60, 70/100 or 100/150 grade.

Tack Coat: Clause 9.2
When required a C40B4 or C60B3 tack coat of cationic bitumen emulsion to BS EN 13808 shall be applied to accord with the target rates given in BS 594987 Clause 5.5.2 to the binder course surface. The surface should be thoroughly cleaned prior to the application of the tack coat and the emulsion allowed to 'break' prior to the application of a further layer of binder course or the surface course. In most instances Table 2 in Clauses 5.5.2 of BS 594987 will apply due to the likely condition of the binder course.

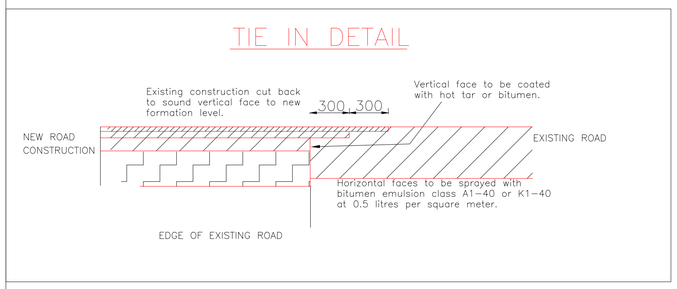
Road Design Based on 1.5% CBR
See Chart 1 for design thicknesses
for alternative CBR values

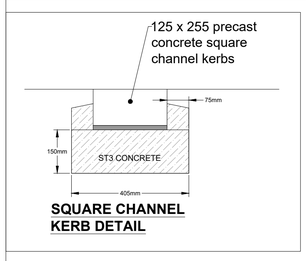
Highway Note

All adoptable highway to be constructed in accordance with lincolnshire county council: 'DEVELOPMENT ROAD AND SUSTAINABLE DRAINAGE SPECIFICATION AND CONSTRUCTION'
May 2018 edition

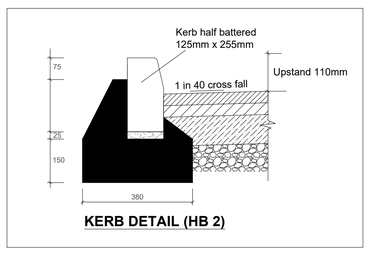


SWALES AND SURFACE WATER FLOW

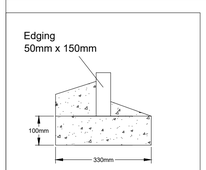




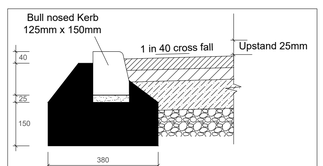
SQUARE CHANNEL KERB DETAIL



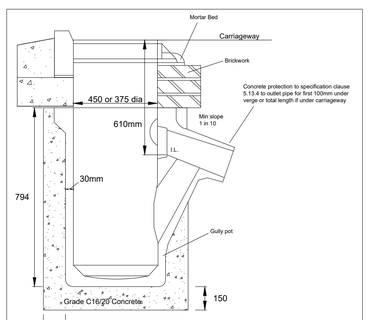
KERB DETAIL (HB 2)



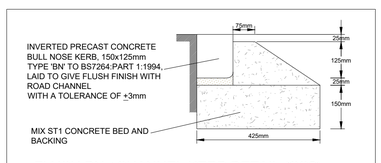
EDGING DETAIL (EF)



KERB DETAIL (BN)
(Dropped Kerb)

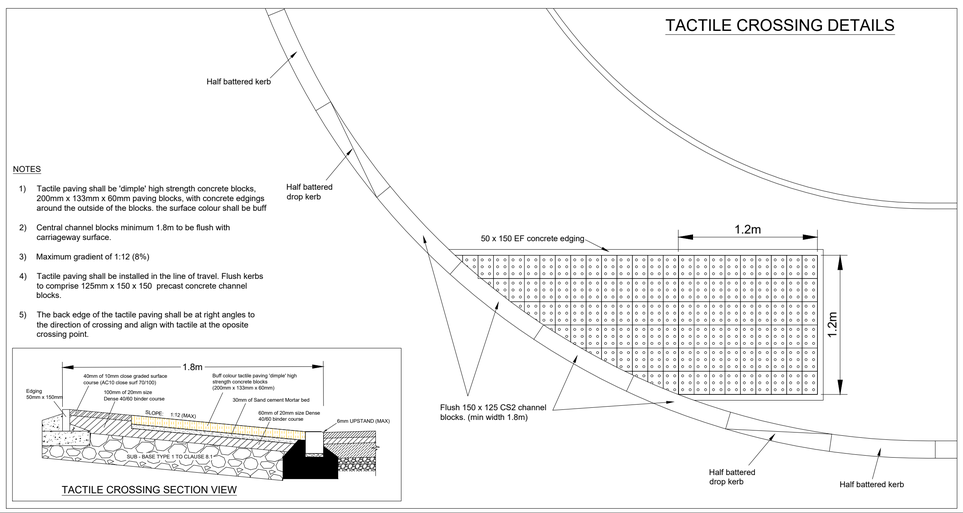


GULLY DETAIL



FLUSH BN / CHANNEL KERB DETAIL (CS2)

TACTILE CROSSING DETAILS



NOTES

1) Tactile paving shall be 'dimple' high strength concrete blocks, 200mm x 133mm x 60mm paving blocks, with concrete edgings around the outside of the blocks. the surface colour shall be buff
2) Central channel blocks minimum 1.8m to be flush with carriageway surface.
3) Maximum gradient of 1:12 (8%)
4) Tactile paving shall be installed in the line of travel. Flush kerbs to comprise 125mm x 150 x 150 precast concrete channel blocks.
5) The back edge of the tactile paving shall be at right angles to the direction of crossing and align with tactile at the oposite crossing point.

TACTILE CROSSING SECTION VIEW

PRELIMINARY DRAWING

REV	DATE	DESCRIPTION/REASON FOR ISSUE	APPR

MTC ENGINEERING
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Whittlesford, Cambridgeshire, CB22 4LT
Tel (01223) 837270, fax (01223) 835648
E-mail office@mtcengineering.co.uk

TITLE
Proposed Residential Development
Chapel Walk, Moulton Chapel
Lincolnshire
Construction Details

ORIG	DATE
J.T.C	May 2020
CHKD	SCALE: Not to Scale @ A1
APPR	DRAWING NO: 2351-99 REV

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