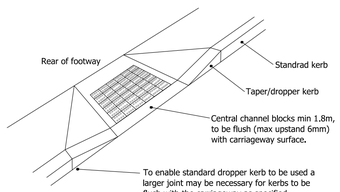
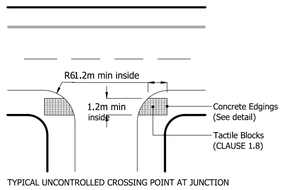
FEEDBACK: This drawing is one of a series that have been prepared to define the civil element of the development. If this, or any, drawing in the series could be improved to better communicate the proposed design please do not hesitate to contact Stafford IE.

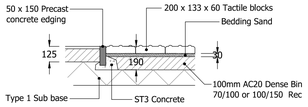
TACTILE PAVING. NTS



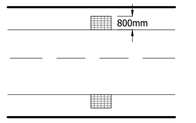
DROPPED KERB DETAIL AT CROSSING POINT



TYPICAL UNCONTROLLED CROSSING POINT AT JUNCTION



CONCRETE EDGE DETAIL - TACTILE PAVING



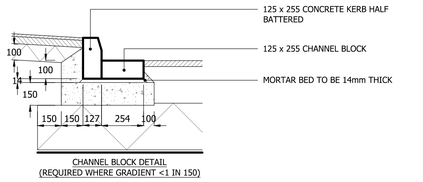
UNCONTROLLED CROSSING AWAY FROM JUNCTION

NOTES (Clause 1.8):

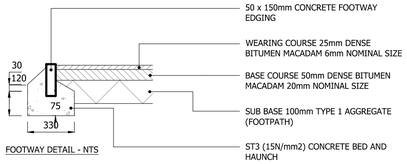
- Blister tactile paving crossing points shall be provided at all junctions, crossings at link footways and at kerb to kerb flat top road crossings.
- Tactile paving shall be 'dimple' high strength concrete blocks, 200mm x 133mm x 60mm, paving blocks, with concrete edgings around the blocks. The surface colour shall be buff.
- Tactile paving shall be installed in the line of travel, along the full length of a minimum of 1.2m flush dropped channel blocks. Flush kerbs to comprise 125mm x 150mm precast concrete channel blocks. The back edge of the tactile paving surface shall be at right angles to the direction of crossing.
- Developers shall take care not to locate service boxes (e.g. BT) where tactile paving is required.

Drawing based on LCC DEVELOPMENT ROAD & SUSTAINABLE DRAINAGE SPECIFICATION AND CONSTRUCTION March 2017 Edition

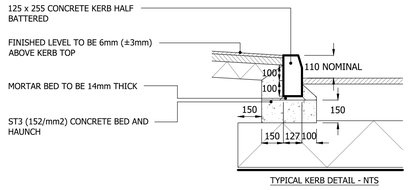
TYPICAL KERB AND EDGING DETAILS. NTS



CHANNEL BLOCK DETAIL
(REQUIRED WHERE GRADIENT <1 IN 150)

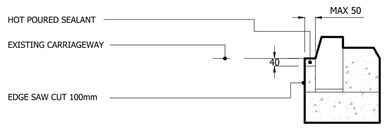


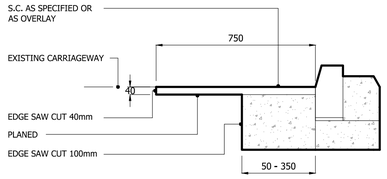
FOOTWAY DETAIL - NTS



TYPICAL KERB DETAIL - NTS

HAUNCHING WIDTHS LESS THAN 350mm WIDE DETAIL X. NTS





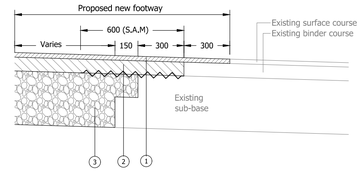
1. WHERE HAUNCHING IN FRONT OF EXISTING OR NEW KERBS (OR CHANNEL BLOCKS) IS LESS THAN 350mm ST3 CONCRETE MAY BE USED DEPTH OF LAYER OF ST3 CONCRETE SHALL BE SPECIFIED IN B. OF Q.

2. WHERE EXISTING CHANNEL BLOCKS ARE TO BE RETAINED THESE SHALL GOVERN THE NEW SURFACING LEVELS.

NOTE
APPENDICES RELATE TO 'SPECIFICATION FOR HIGHWAY WORKS 7th EDITION 1998'

Drawing based on Lincs.CC drawing TD/11

FOOTWAY JOINT DETAIL. NTS



Typical Stepped Construction Detail.

To be adjusted to suit the site conditions as agreed with the Senior Engineer (Implementation) or a nominated representative.

(1). Surface course.
25mm of 6mm size Dense 70/100 or 100/150 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.

(2). Binder course (Footway).
100mm of 20mm size Dense, 70/100 or 100/150 Binder Course (AC 20 dense bin rec) to Clause 9.1 compacted to a void content within the range 2%-10%.

(3). Sub-base (Footway).
100mm of Type 1 sub-base to Clause 1.2.

SAM (Stress Absorbing Membrane)
Tensar AR-G installed as manufacturers recommendations, or similar approved.

NOTES:
All dimensions must be checked on site and not scaled from this drawing.

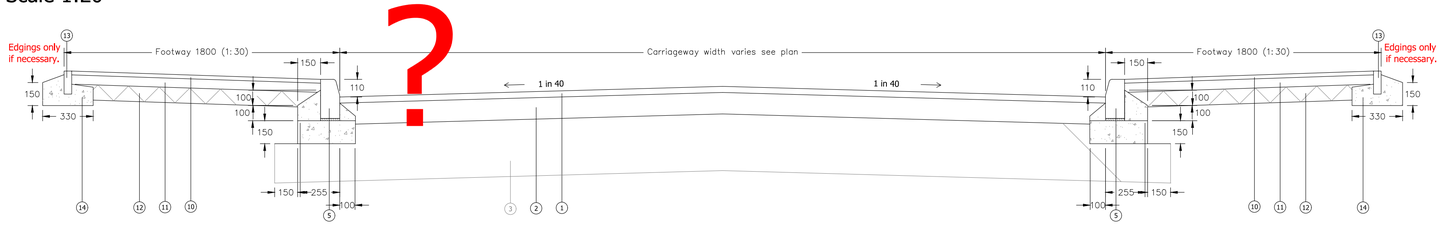
LINCOLNSHIRE COUNTY COUNCIL

1. "The specification in all respects shall be in accordance with the current Lincolnshire Development Road and Sustainable Drainage Design Guide" and "Development Road and Sustainable Drainage Specification and Construction" publications in force in the county at the time of construction.
2. The minimum longitudinal fall for highways, without channel blocks shall be 1 in 150, and with channel blocks 1 in 250 (see Clause 10.1.).
3. In addition, ensure that the first section of any side road falls away from the road to which it is connecting. If general topography requires it to rise, this change of direction should take place after the first set of gullies. This is to ensure a 'false channel' with associated drainage problems is not created in the bellmouth of junctions.
4. "General deterioration of the existing highway/footway/verges created through construction of the new Section 38 Development will be reinstated to the current Development Road Specification at the developers' own cost at the agreement of the inspecting Highway and Flood Authority Officer".
5. "No Private surface water shall discharge onto the adoptable highway"
6. "No private, structural features shall overhang the adoptable highway".
7. "No private retaining walls exceeding 1.37m shall be within 3.66m of the highway boundary".

BACK of FOOTWAY LEVELS:
Please note that Lincolnshire Highways require that the back of footway be lowered at vehicular crossings in accordance with detail drawing Ref.Clause 1.6 and Figure 1/4 of LCCDRS.

KERB FACES:
Full-faced pcc kerb = 110mm
Full-faced blockwork kerb = 100mm
Vehicular Crossing = 25mm
Pedestrian Crossing = 25mm or flush if adj. tactile paving.

HOUSING ESTATE ROAD & FOOTWAY CONSTRUCTION (Blacktop)
Scale 1:20



(1). Surface course.
40mm of 10mm size Close Graded Surface Course (AC 10 close surf 70/100 or 100/150) to Clause 7.3. It must be compacted in accordance with Clause 7.2 to a void content within the range 2%-10%. The surface course shall be bonded with to the Binder Course.

(2). Binder course.
260mm. materials shall be 20mm size recipe mix 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 layers not exceeding not less than 50mm in thickness nor greater than 110mm in thickness. Compaction must be in accordance with Clause 7.2 to a void content within the range 2%-10% and all layers must be bonded together.

(3). Sub-base.
Existing formation

(5). 125x255mm precast concrete Half-battered kerb unit to BS EN 1340:2003 Type HB2.

(7). 30mm thick Sand/Cement mortar.

(8). 150mm thick Class ST3 concrete bed and haunch.

(9). 125x150mm precast concrete bullnosed dropped kerb unit to BS EN 1340:2003 Type HB3.

(10). Surface course.
25mm of 6mm size Dense 70/100 or 100/150 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.

(11). Binder course (Footway).
100mm of 20mm size Dense, 70/100 or 100/150 Binder Course (AC 20 dense bin rec) to Clause 9.1 compacted to a void content within the range 2%-10%.

(12). Sub-base (Footway).
100mm of Type 1 sub-base to Clause 1.2.

(13). 50x152mm precast concrete edging to BS EN 1340:2003 Type FT.

(14). 75mm thick Class ST3 concrete bed with 140mm thick haunch.

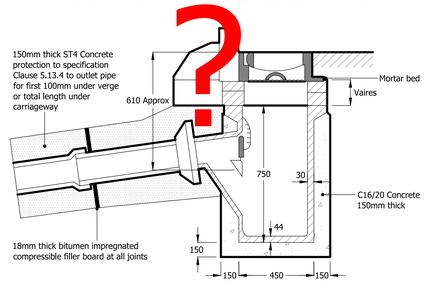
TABLE 1

Structural Category of Adjoining Carriageway (as advised by the Highway Authority)

1	2	3	4		
Binder Course thickness mm					
410	360	300	260	<2	CBR Value % (as advised by the Highway Authority)
350	300	240	200	2-4	
335	285	225	200	5-7	
320	270	210	200	8-14	
305	255	200	200	>15	

Please Note: The proposed access is to be constructed in accordance with the LCC approval letter dated 22nd March 2018. Please ensure all notifications described in the approval are given before and during construction phase.

TYPICAL GULLY DETAILS
TYPE G5 TRAPPED ROAD GULLY. NTS



NOTES:-
1) Cover and frame uncoated iron to Clause 5.11.1.

2) Mortar bed and benching to Clause 5.11.8.

3) Bricks to be Class B engineering bricks to BS EN 771-1 (single course where necessary to obtain satisfactory fall. Corbelled if required. Frames to be bricked on all four sides.

4) All in situ concrete to be ST4 with sulphate resisting cement unless agreed otherwise.

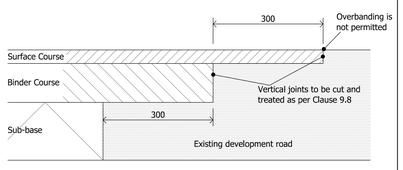
5) Position of outlet pipe varies in plan.

6) In situ ST4 concrete 150mm thick surround to outlet pipe for first one metre under verge or total length if under carriageway.

7) Where grating is to be trafficked or laid against within 24 hours of frame being placed in position, then a suitable Ultra rapid hardening mortar and concrete (Monoset 241 or similar) shall be used to bed cover and frame.

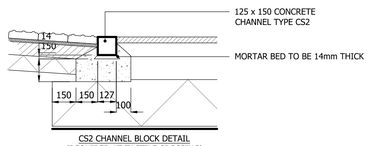
Drawing based on Lincs CC Development Road and Sustainable Drainage Specification and Construction March 2017 Edition, Figure 5/7

JOINTS WITH EXISTING CARRIAGEWAYS
NTS

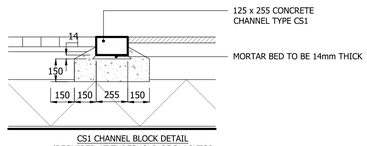


Drawing based on LCC DEVELOPMENT ROAD & SUSTAINABLE DRAINAGE SPECIFICATION AND CONSTRUCTION March 2017 Edition, Figure 7/1

TYPICAL CHANNEL DETAILS. NTS



CS2 CHANNEL BLOCK DETAIL
(REQUIRED AT TACTILE CROSSING)



CS1 CHANNEL BLOCK DETAIL
(REQUIRED AT THRESHOLD OF BLACKTOP TO BLOCKWORK CARRIAGEWAY)

PRELIMINARY DRAWING

A	Date	Revisions

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Land Off Quadring Road,
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Drawing Title

Construction Details
S184 Adopted Works
Sheet 5

Date	Scale @ A1	Drawn
FEB 2020	NTS	LCM

Drg.No.	Rev.
8981-305	-