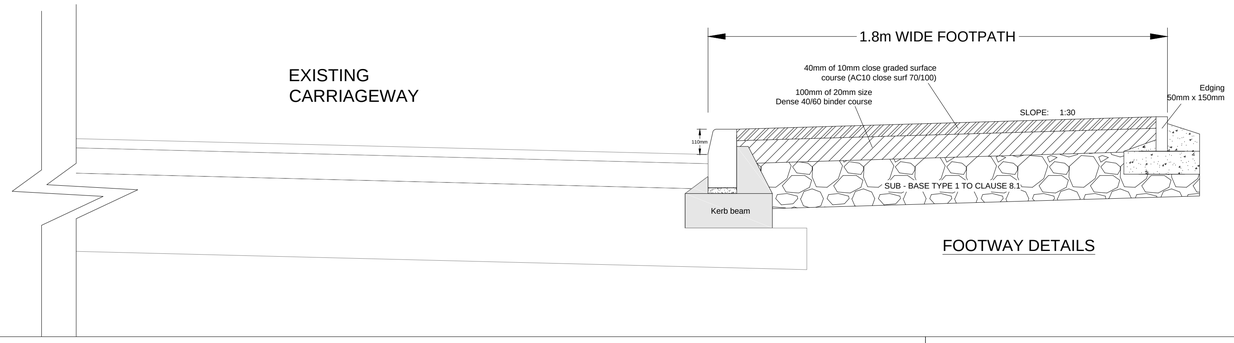
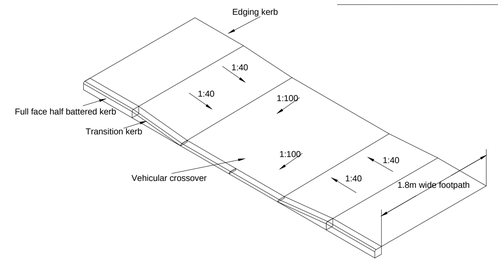


FOOTWAY DETAILS

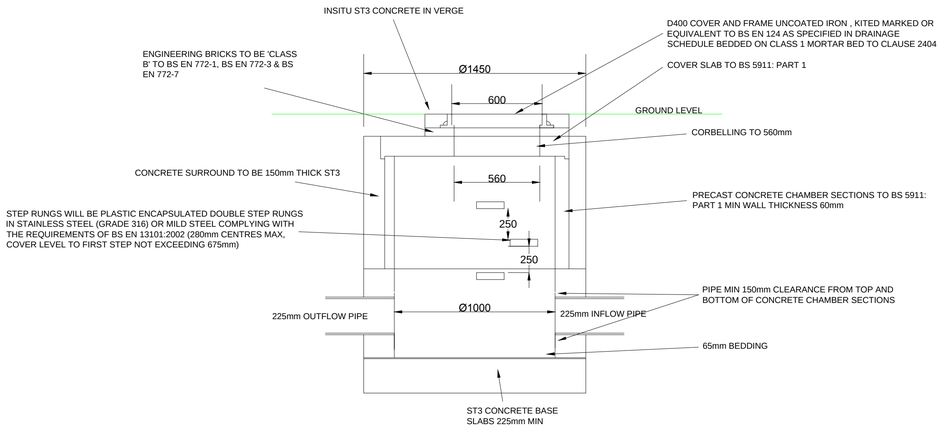
CONSTRUCTION CHART 1 (NORMAL FLEXIBLE CONSTRUCTION)		
SUB-GRADE	SUB-BASE (mm)	
DESIGN CBR	WITHOUT GEOTEXTILE	WITH GEOTEXTILE
< 1.5% & SOFT SPOTS	NOT SUITABLE	710
1.50%	NOT SUITABLE	440
2%	400	340
3%	310	300
4%	300	NOT SUITABLE
5%	300	NOT SUITABLE
6-15%	300	NOT SUITABLE
>15%	300	NOT SUITABLE

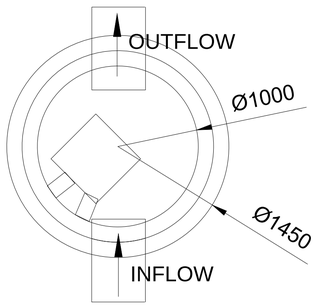
Vehicular crossover



PRECAST CONCRETE CATCHPIT INSITU BASE RING

SCALE 1:200





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:
100mm 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:
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.

A minimum in-situ CBR value of 20% will be required on all roads except for Development Roads intended to serve heavier traffic categories (i.e. loading in excess of 0.25 m.s.a.) where the in-situ CBR value should be at least 30%. CBR values shall be determined by Plate Bearing Tests in accordance with Clause 8.2.

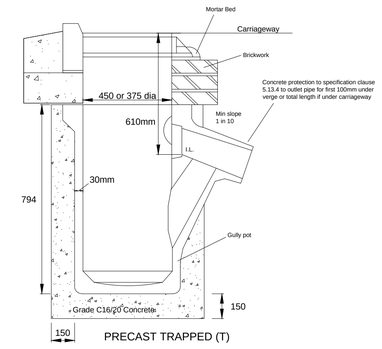
For carriageways and footways, not more than one in ten field dry density determination, as detailed in BS 1377:Part 9, (clause 2.2) shall be less than 90% of the maximum dry density for that particular sub-base as determined by the vibrating hammer test in BS EN 13286-4.

Notes:
Clauses specified refer to Lincolnshire County Council's DEVELOPMENT ROAD SPECIFICATION AND CONSTRUCTION
August 2016

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 2% CBR
See Chart 1 for design thicknesses for alternative CBR values

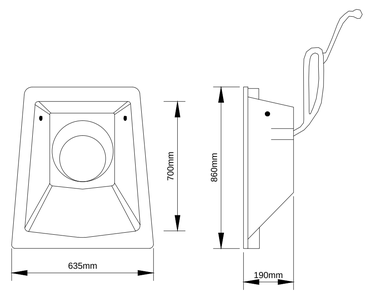


GULLY DETAIL

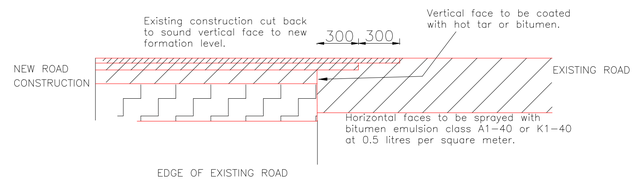
Highway Note
All adoptable highway to be constructed in accordance with Lincolnshire county council: 'DEVELOPMENT ROAD AND SUSTAINABLE DRAINAGE SPECIFICATION AND CONSTRUCTION'
August 2016 edition

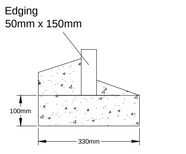
LARGE GENERAL PURPOSE HEADWALL G.R.C.

Pipe openings: 200mm with knockout web giving 300mm & 360mm dia. options. Approximate weight: 25kg. A lightweight unit to fit 150mm & 300mm drainage pipes suitable for use in minor water courses with moderate flows

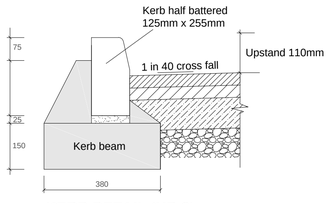


TIE IN DETAIL

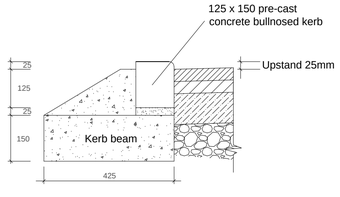




EDGING DETAIL (EF)
SCALE 1:100



KERB DETAIL (HB 2)
SCALE 1:100



DROPPED KERB DETAIL
SCALE 1:100

REV	DATE	DESCRIPTION/REASON FOR ISSUE	APPR

MTC ENGINEERING
MTC Engineering (Cambridge) Ltd.
Ground Floor, 24 High Street
Whittlesford, Cambridgeshire, CB22 4LT
Tel (01223) 837270, fax (01223) 835648
E-mail office@mtcengineering.co.uk

TITLE

LAND OFF AUSTENDYKE ROAD,
WESTON HILLS
CONSTRUCTION DETAILS

ORIG B.N	DATE JUNE 2018
CHKD	SCALE AS SHOWN @ A1
APPR	DRAWING NO 2141-99 REV

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