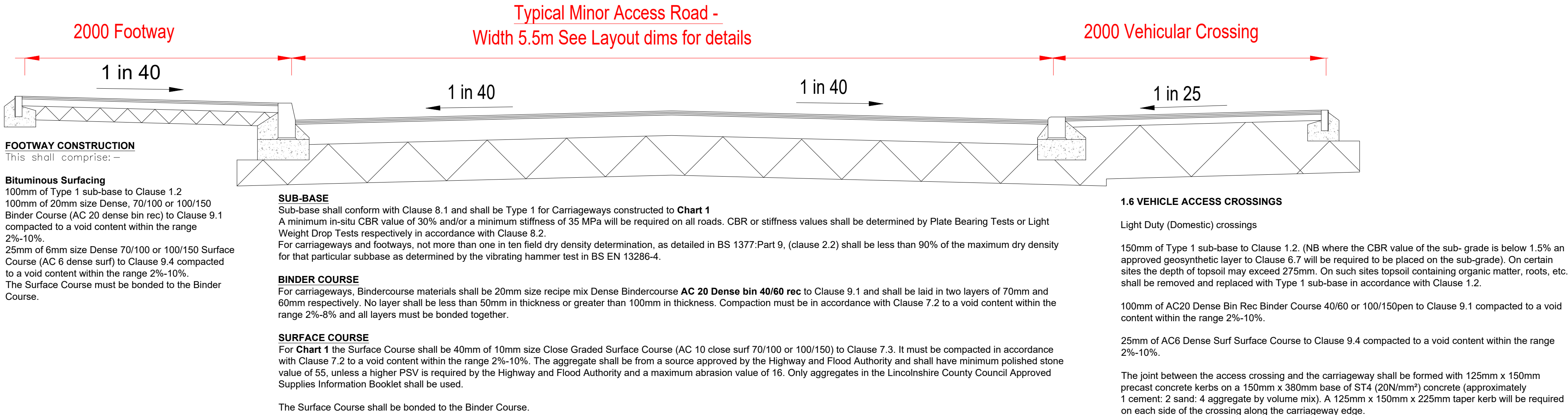




Construction Chart 1 - NON PERVIOUS
Roads up to 0.25 m.s.a NORMAL FLEXIBLE CONSTRUCTION

Sub-Grade	Sub-Base (mm)		Surfacing (mm)		Total Required (mm)	
	No geotextile	with geotextile	Binder Course	Surface Course	No geotextile	with geotextile
Note 1			notes 4			
Bearing Capacity (CBR)						
<1.5%	NA	710	130	40	not suitable	880 note 2,3 &4
1.5%	NA	440	130	40	not suitable	610 note 4
2%	400	340	130	40	570 note 5	510 note 4
3%	310	300	130	40	480 note 5	470 note 4
4% note 6	300	300 note 6	130	40	470 note 5	470 notes 4&5
5% note 6	300	300 note 6	130	40	470 note 5	470 notes 4&5
6% - 15% note 6	300	300 note 6	130	40	470 note 5	470 notes 4&5
Above 15% note 6	300	300 note 6	130	40	470 note 5	470 notes 4&5

Note 1 See Clauses 1.1.6, 1.1.7 and 1.1.8
Note 2 See Clause 1.1.6 – Assumes no improvement is possible using either sub-soil drainage or soil strengthening technique. 710mm is 410mm of 6F5
Capping Layer Granular Fill to clause 6.8 and 300mm of Type 1 sub-base. The thickness of 710mm can be reduced to 620mm if all Type 1 sub-base is used.
Note 3 For soft spots and sub-grades with a CBR of less than 1½% the geotextile shall be laid with an approved geogrid or shall be an approved geocomposite.
Approved specialist design can be used with the agreement of the Authority.
Note 4 Initial Binder Course layer thickness 70mm if the alternative kerbing installation method (two stage construction – kerbing to be laid at a later stage)
is used. Total Binder Course thickness remains 130mm in these circumstances. See Clause 1.1.17.
Note 5 The use of a geosynthetic with a sub-grade with this bearing capacity offers no advantage or economy.



CBR <1.5%

THIS DOCUMENT IS BASED ON THE LINCOLNSHIRE COUNTY COUNCIL DEVELOPMENT ROAD SPECIFICATION 2021 REVISED EDITION AND IS FOR GUIDANCE PURPOSES ONLY. IN THE EVENT OF DISCREPANCY THE SPECIFICATION SHALL SUPERSEDE THIS DRAWING

THE CONTRACTORS ATTENTION IS EXPRESSLY DRAWN TO THE NEED TO CERTIFY THE ROAD CONSTRUCTION VIA THE COUNTY ENGINEER AT VARIOUS STAGES AS PRESCRIBED IN THE CURRENT SPECIFICATION DOCUMENT AND TO PROVIDE ADEQUATE AND MINIMUM NOTICE PERIODS TO THE COUNTY ENGINEER IN ADVANCE OF THE INSPECTIONS BEING REQUIRED

Key stages and Certificates of Construction	
Traditional Construction (T)	SUDs Construction (S)
Key Stage T1 - Drainage	Certification for Pervious Pavements S1 – stages Drainage to Kerbing.
Key Stage T2 – Site Investigation/Formation/Earthworks	
Key Stage T3 – Carriageway Subbase	
Key Stage T4 – Kerbing	
Key Stage T5 – Carriageway Binder Course	
Key Stage T6– Footways	
Key Stage T7 – Block Paving	Certification for Pervious Pavements S2 – Permeable Block Paving
Key Stage T8 – Carriageway Surface Course	Certification for Swales & Filter Strips S3
Key Stage Inspection – Pre-Maintenance Period Inspection	
Key Stage Inspection – Pre-Adoption Inspection	

C	Surface course construction chart reference updated from 4 to 1	6-9-22	EN
B	Amended in line with client mark-ups (26.08.22)	5-9-22	EN
A	To Aug 22 scheme	22-8-22	SD
rev	description	date	initial

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project

Proposed residential development at
York Gardens Gosburton

title

**LCC Standard Highway Construction Details
Typical highway Build up**

drawn	SD	date	03.08.22	
scale	Various	size	A1	
purpose of issue				
Tender				
dwg no.				rev.
E827-32				C