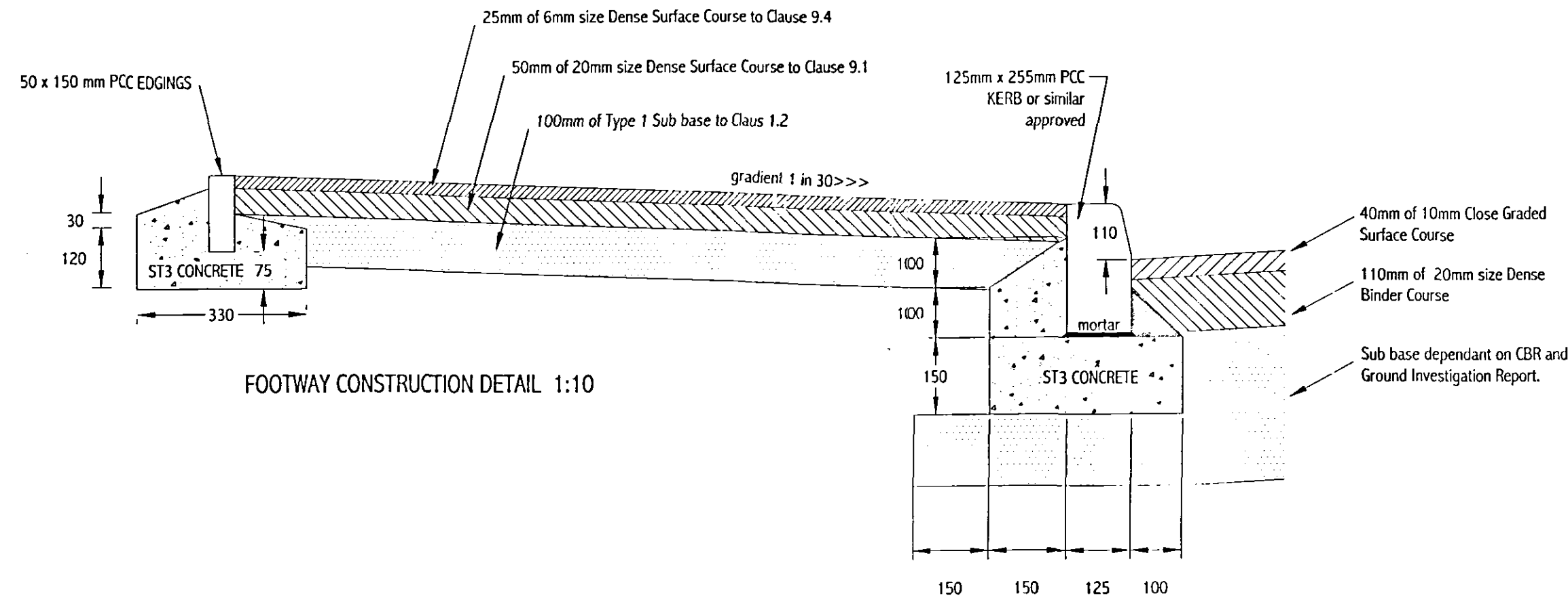
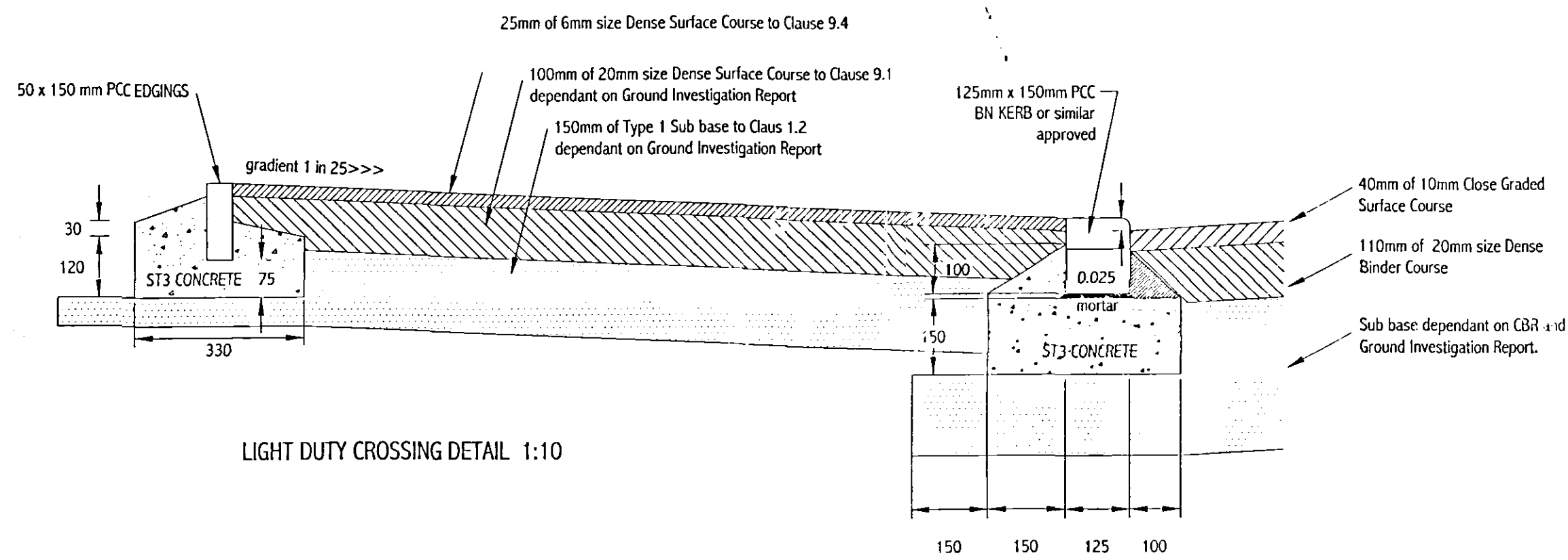
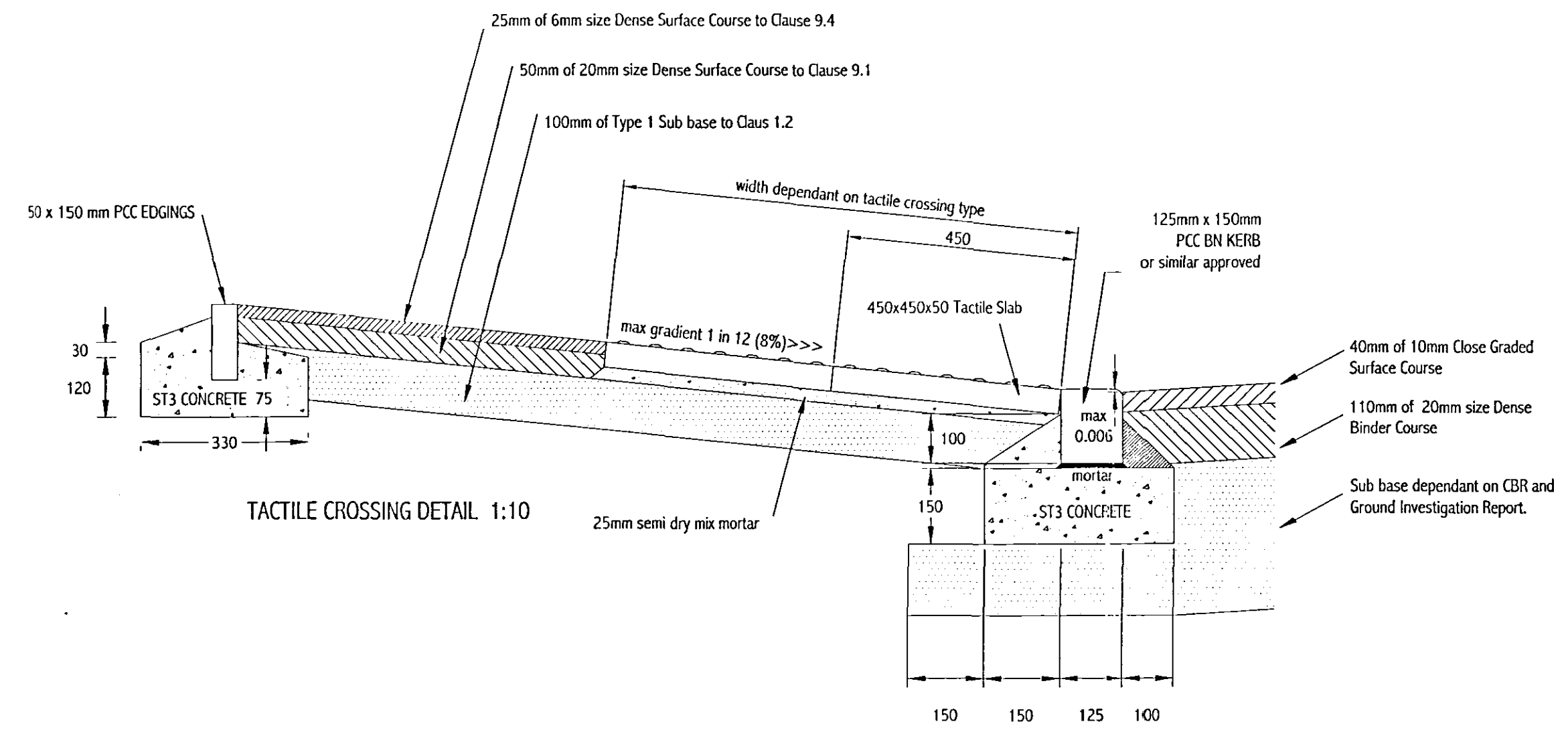
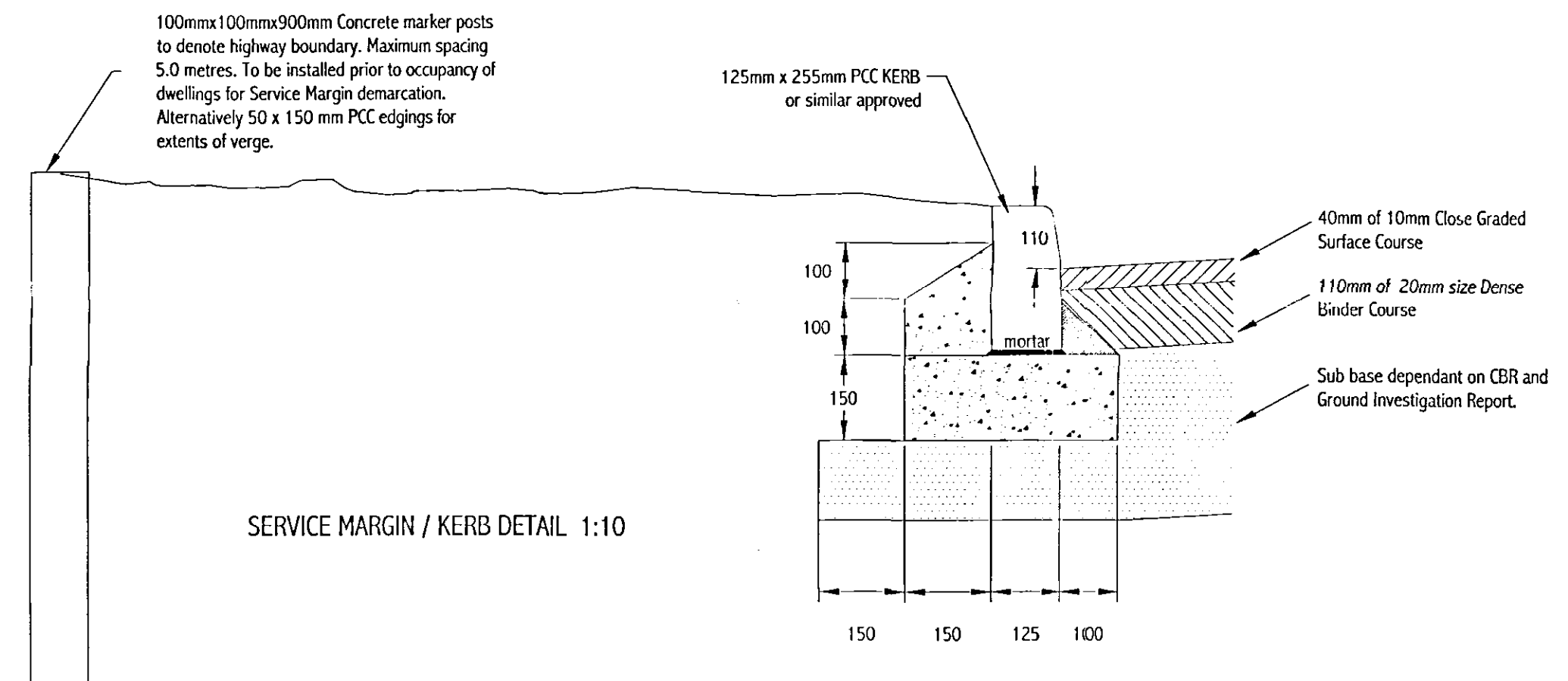
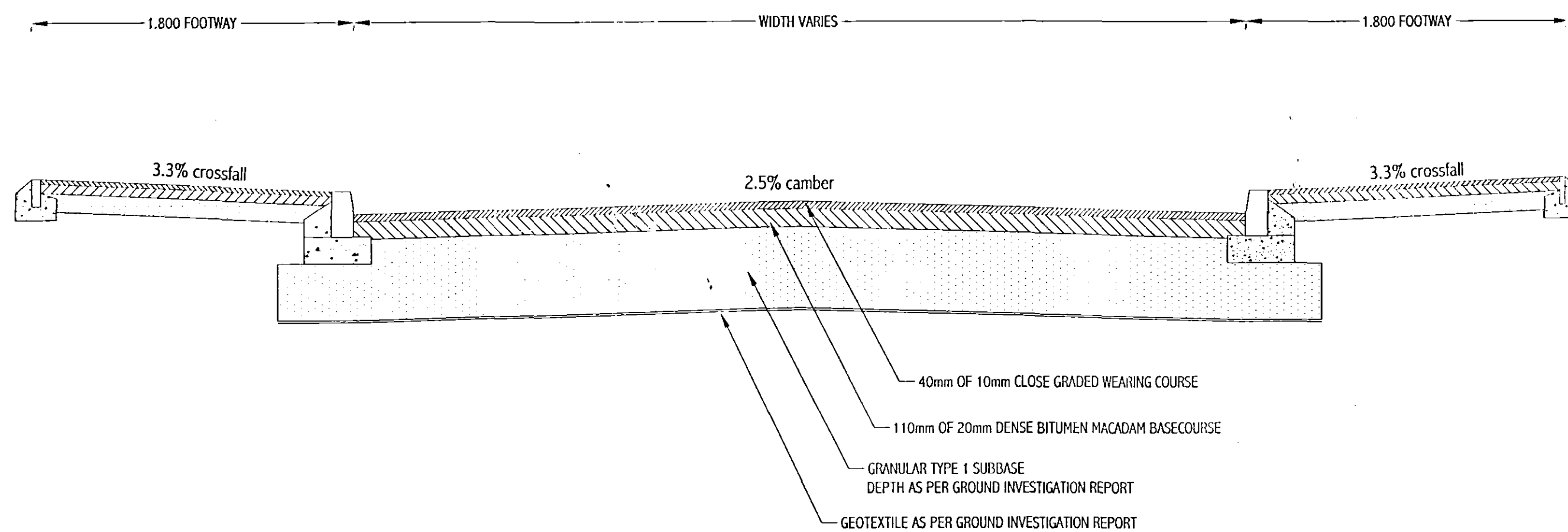


NOTE:
THE SPECIFICATION SHALL IN ALL RESPECTS BE TO THE CURRENT DEVELOPMENT ROAD LAYOUT
GUIDE AND SPECIFICATION IN FORCE IN THE COUNTY AT THE TIME OF CONSTRUCTION.



Construction Chart 1							
Roads up to 0.25 m.s.a. - Normal Flexible Construction							
Sub-Grade	Sub-base (mm)	Sub-base (mm)	Surfacing (mm)	Surfacing (mm)	Total thickness required (mm)	Total thickness required (mm)	
Bearing Capacity (CBR)	without geosynthetic	with geosynthetic	Binder course	Surface course	without geosynthetic	with geosynthetic	
Below 1% & soft spots	Not suitable	710	NOTE 4 & 5	40	Not suitable	860	NOTE 4 & 6
1% - 2%	Not suitable	440	110	40	Not suitable	590	NOTE 4
2%	400	340	110	40	550	490	NOTE 4
3%	310	300	110	40	460	450	NOTE 4
4%	300	300	110	40	450	450	NOTE 4 & 7
5%	300	300	110	40	450	450	NOTE 4 & 7
6-15%	300	300	110	40	450	450	NOTE 4 & 7
Above 15%	300	300	110	40	450	450	NOTE 4 & 7

NOTE 1 See Clauses 1.1.6 & 1.1.7
NOTE 2 See Clauses 1.1.6 - 1.1.8 - Assumes no improvement is possible using either sub-soil drainage or soil strengthening technique. 710mm is 40mm of 10mm close graded surface layer granular fill to class 6.8 and 300mm of type 1 sub-base. The thickness of 710mm can be reduced to 600mm if all type 1 sub-base is used.
NOTE 3 For soft spots & sub-grades with a CBR of less than 1% the geosynthetic shall be an approved geotextile.
NOTE 4 This is for use in the base.
NOTE 5 Initial binder layer thickness 70mm if the alternative bedding installation method (two stage construction) is used. Bedding to be laid at a 1:1 slope in situ. The total thickness of binder course becomes 110mm in these circumstances. See Clause 1.1.12.
NOTE 6 Total thickness increased by 20mm above these values if the alternative bedding installation method is used. See Clauses 1.1.12.
NOTE 7 The use of a geosynthetic with a sub-grade of low bearing capacity offers no advantage or economy.

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NOTES:

ALL IRONWORK WITHIN THE HIGHWAY SHALL CONFORM TO EN124:GRP 4 (CLASS D400). ALL GULLIES SHALL BE HINGED BUT NON-REMOVABLE AND SHALL HAVE A NOMINAL WIDTH OF 450mm WITH A MINIMUM AREA OF WATERWAY OF 900cm².

CONCRETE PAVERS TO BE LAID IN ACCORDANCE WITH LINCOLNSHIRE COUNTY COUNCIL DEVELOPMENT ROAD SPECIFICATION AND CONSTRUCTION 2005 AND THE REQUIREMENTS OF BS 7533-3

DO NOT SCALE. USE FIGURED DIMENSIONS ONLY. CHECK ON SITE AND ALL DISCREPANCIES TO BE REPORTED TO RAND DESIGN.

AMENDMENTS:

REF.	DESCRIPTION	DATE	BY
1	Light duty vehicle crossing & tactile paving sections added as LCC comments	15.01.05	GW
2	Service margin and marker post details added as LCC comments	02.06.05	GW

CLIENT:
Broadgate Homes Ltd

PROJECT:
Pennycate
Spalding
Lincolnshire

TITLE:
Lincolnshire County Council
Tarmac Road Cross Sections

SCALE:
As stated

DATE:
15 April 2005

DRAWING No:
05-17-04-B

DRAWN BY:
GW

CHECKED BY:
S. Hall



Rand Design
Rand, Lincolnshire, LN8 5NJ
Tel: 01673 859270 Fax: 01673 859201
enquiries@randdesign.co.uk
www.randdesign.co.uk

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PLAN

1056/06

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