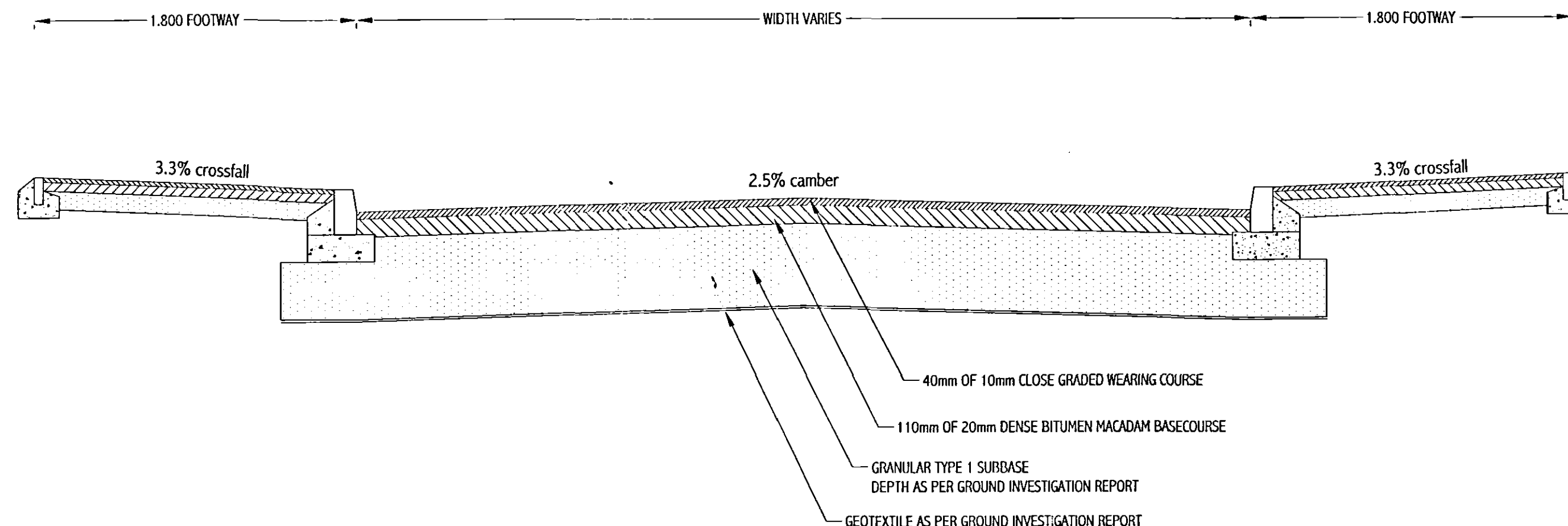
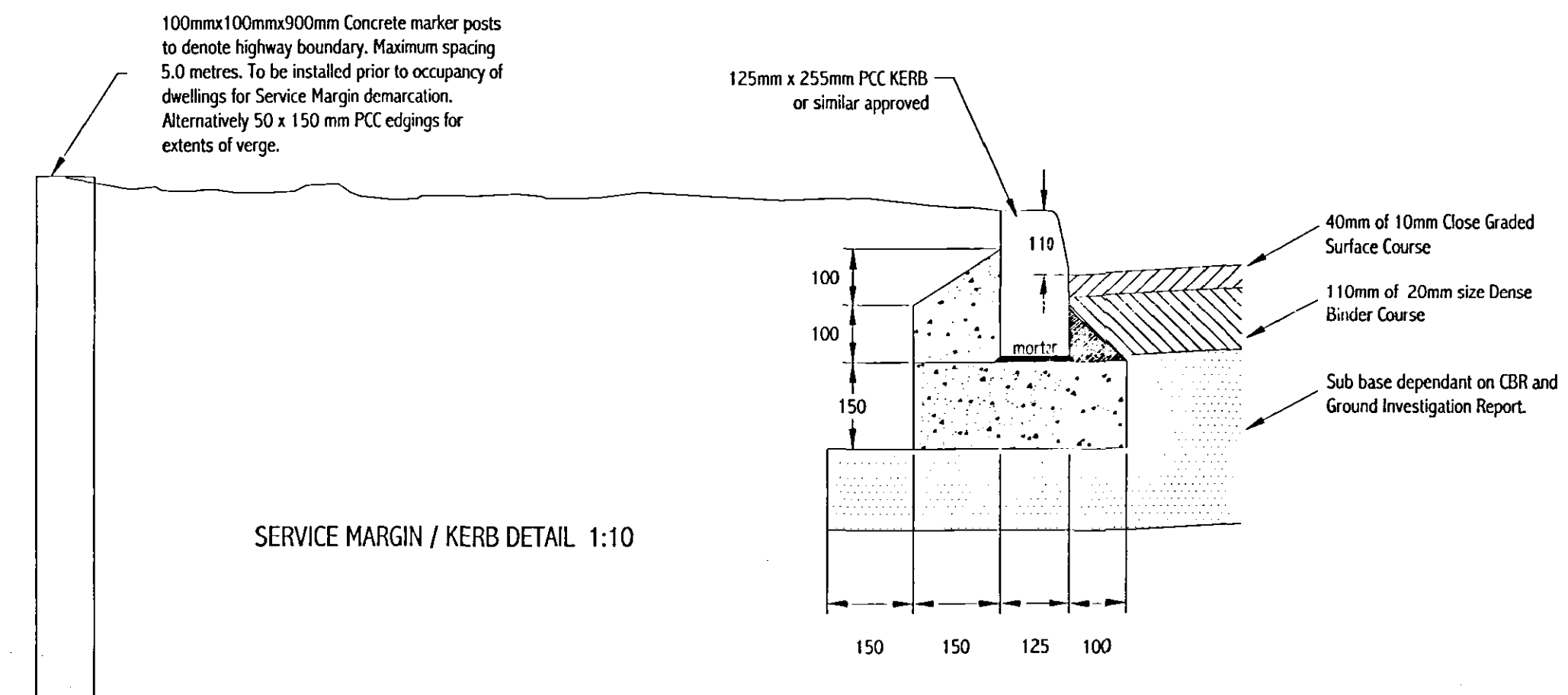
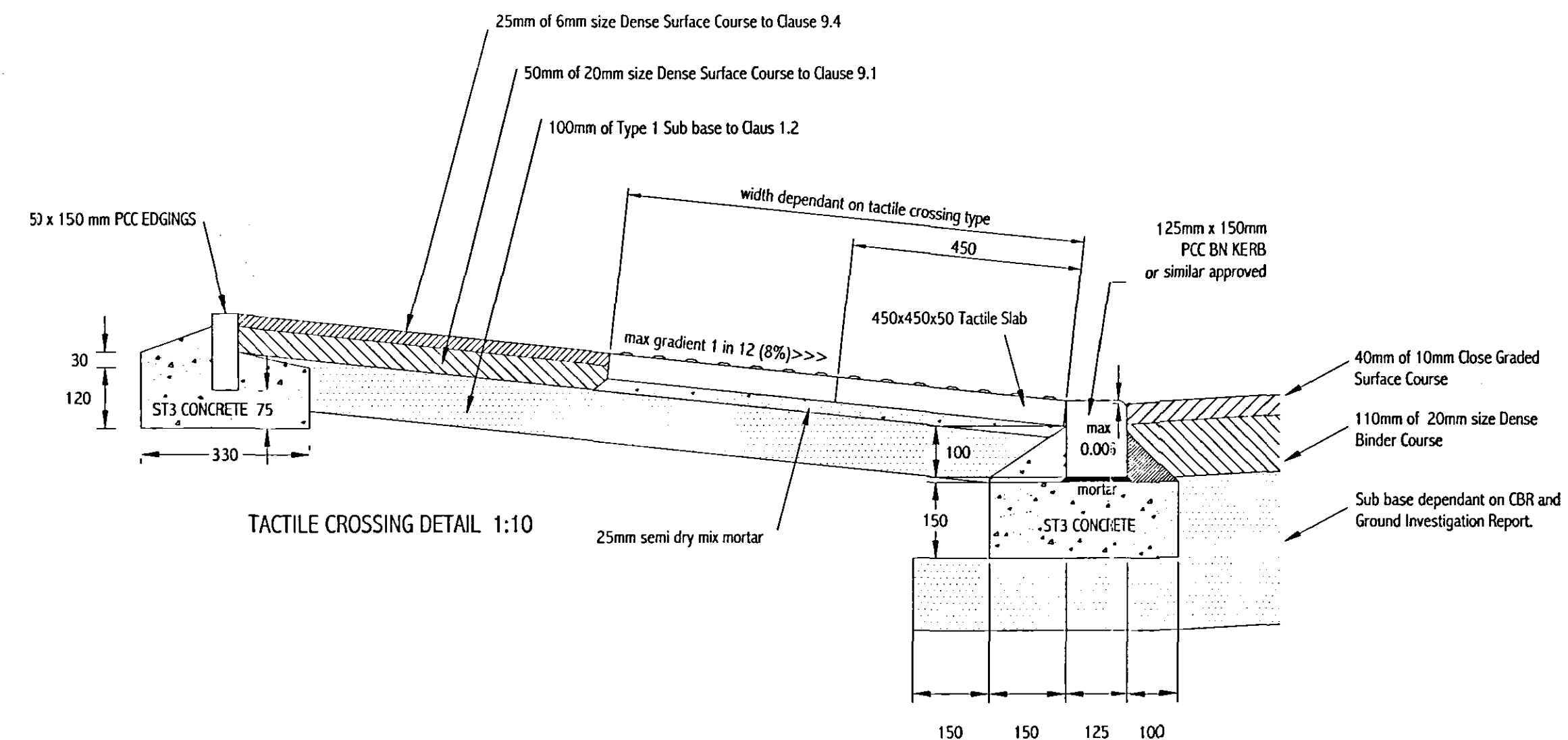
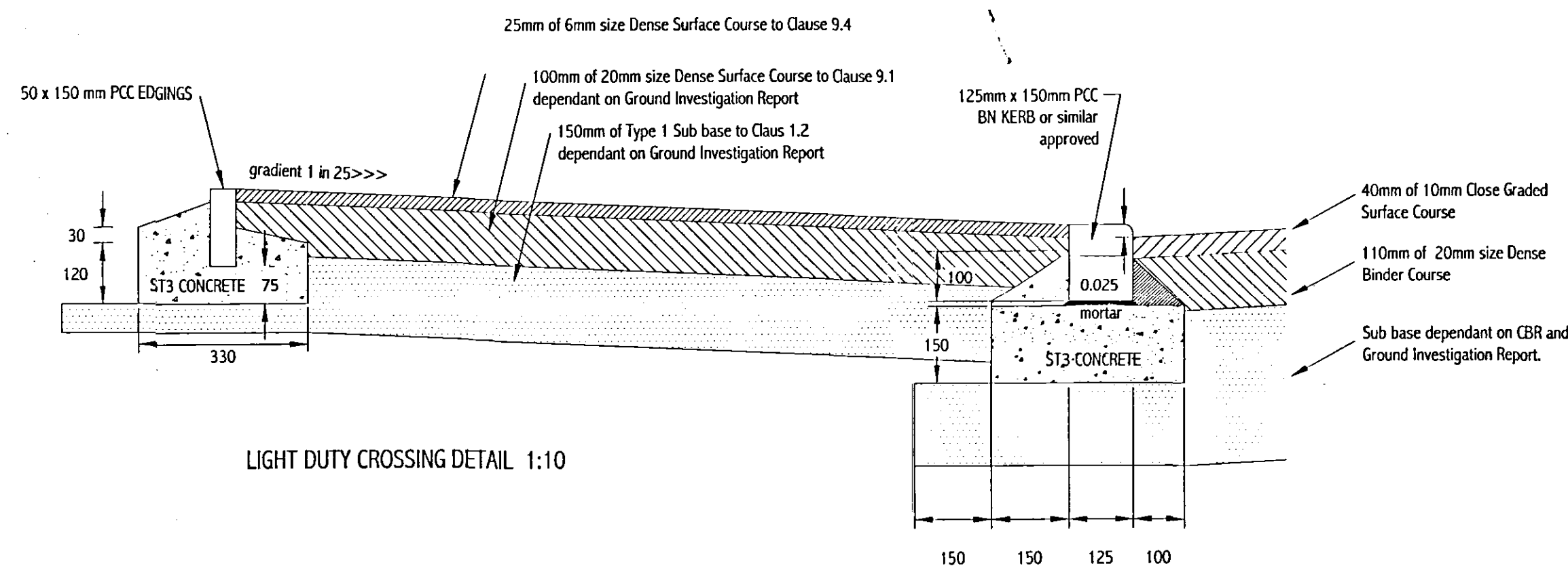
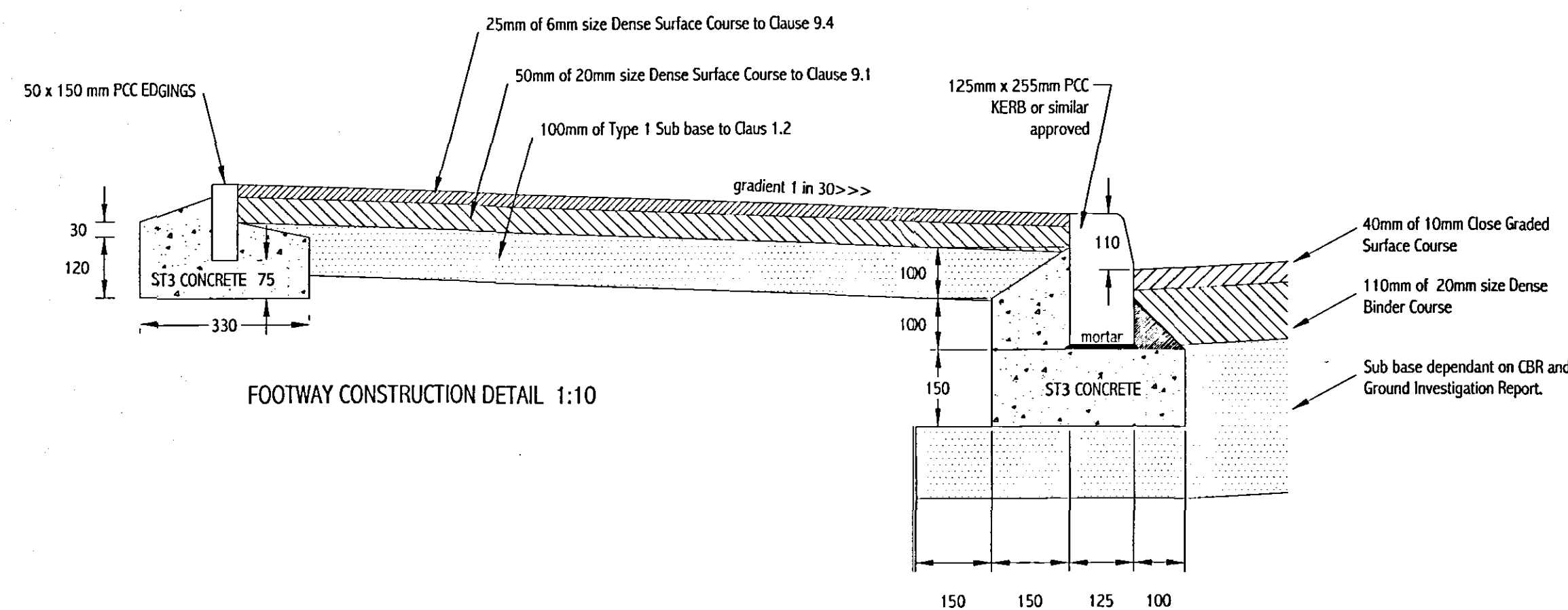


NOTE:
THE SPECIFICATION SHALL IN ALL RESPECTS BE TO THE CURRENT DEVELOPMENT ROAD LAYOUT
GUIDE AND SPECIFICATION IN FORCE IN THE COUNTY AT THE TIME OF CONSTRUCTION.



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
1 1/2%	Not suitable	440	110	40	Not suitable	590
2%	400	340	110	40	550	490
3%	310	300	110	40	460	450
4%	300	300	110	40	450	450
5%	300	300	110	40	450	450
6-15%	300	300	110	40	450	450
Above 15%	300	300	110	40	450	450

Note 1 See Clauses 1.1.6 & 1.1.7
Note 2 See Clauses 1.1.6 & 1.1.7. Assumes no improvement to sub-grade or soil by any means. 710mm is 410mm of 60% ragging layer granular M to clause 8.8 and 300mm of type 1 sub base. The thickness of 710mm can be reduced to 610mm if all type 1 sub base is used.
Note 3 For sub-grade or sub-grades with a CBR of less than 1% the geosynthetic shall be an approved geogrid.
Note 4 May be laid in one layer.
Note 5 Initial binder layer thickness 70mm if the alternative binder insulation method (two stage construction) - binding to be laid at a later stage is used. The total thickness of binder course becomes 130mm in these circumstances. See clause 1.1.17.
Note 6 Total thickness increased by 20mm above these values if the alternative binding insulation method is used. See Clauses 1.1.17.
Note 7 The use of a geosynthetic with a sub-grade of this bearing capacity offers no advantage or economy.

1x
ROADS
SEWERS
LEVELS.

Planning & Development
05 SEP 2005
Ref:

DETAILED
PLAN

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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.

REF.	DESCRIPTION	DATE	BY
1	Light duty vehicle crossing & tactile paving sections added as LCC comments	15.07.05	GW
2	Service margin and marker post details added as LCC comments	02.08.05	GW

CLIENT:
Broadgate Homes Ltd

PROJECT:
Pennygate
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:
GW

randdesign

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

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