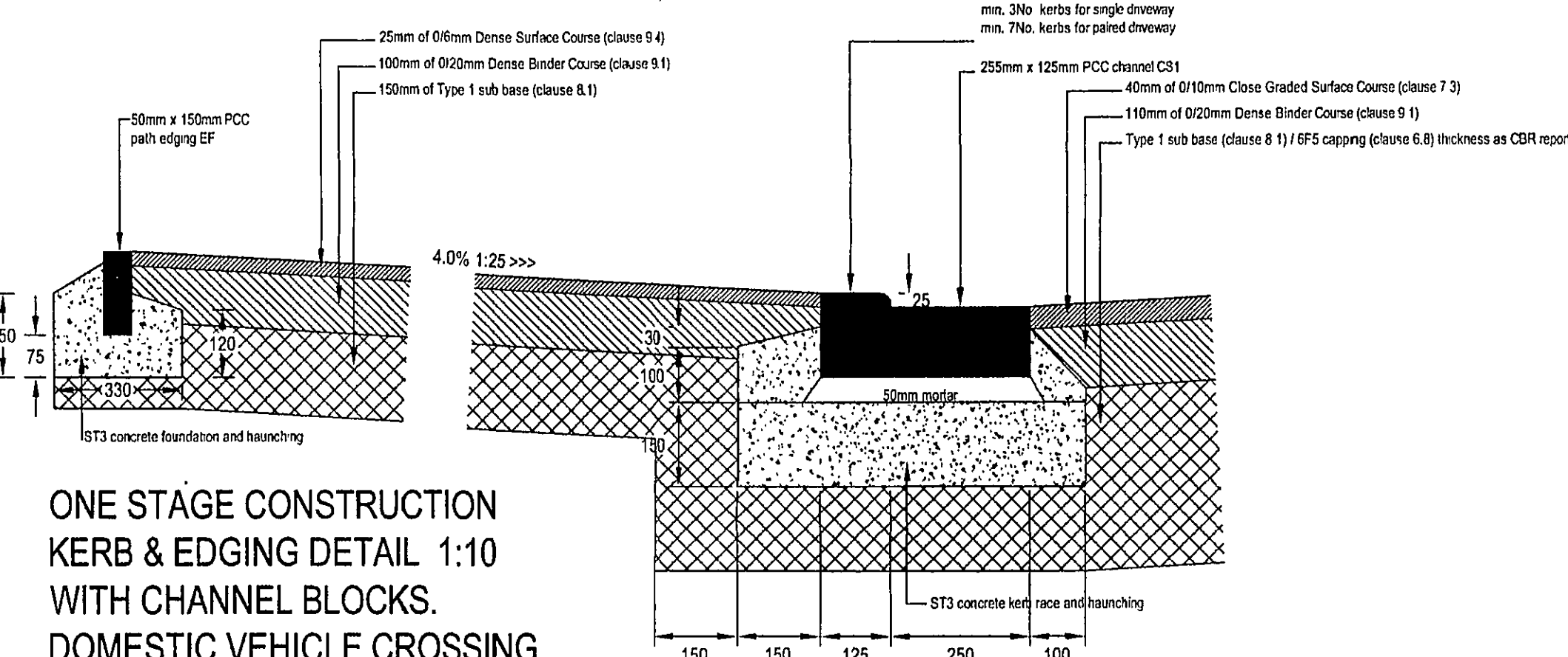
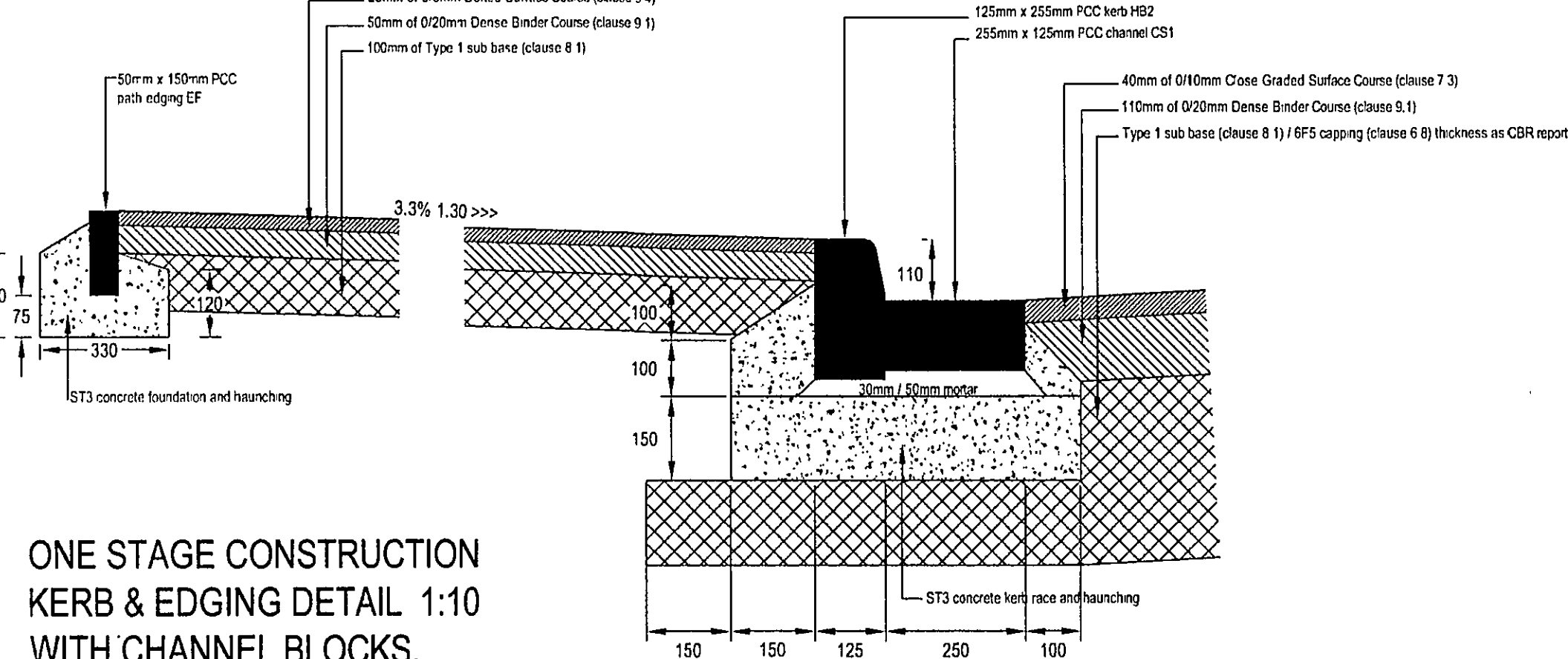
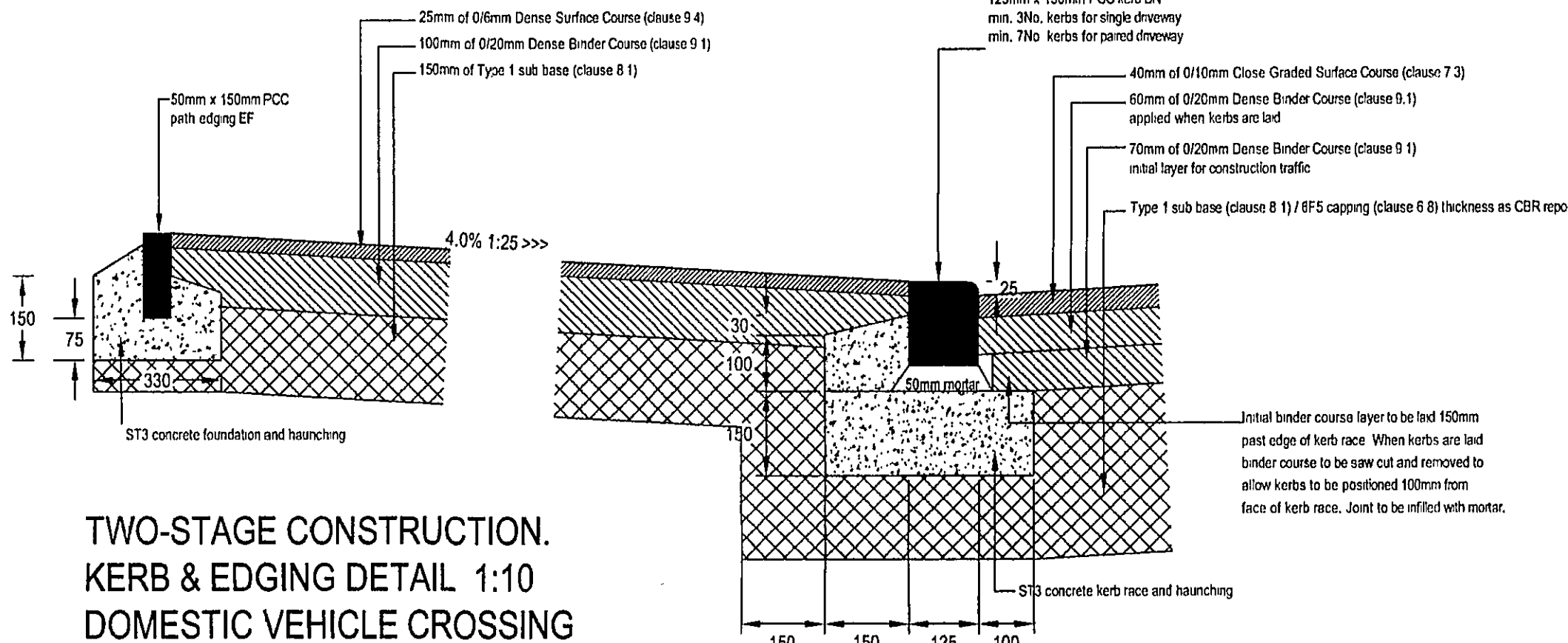
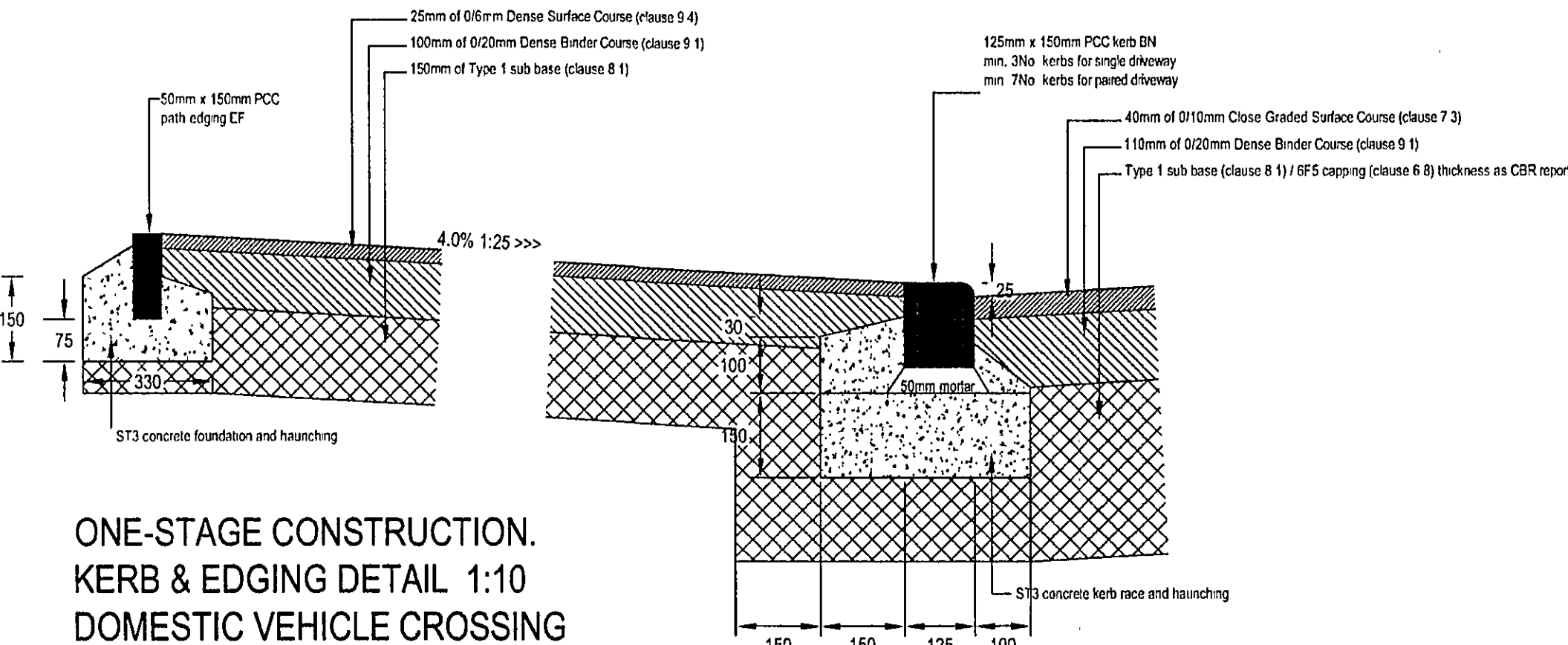
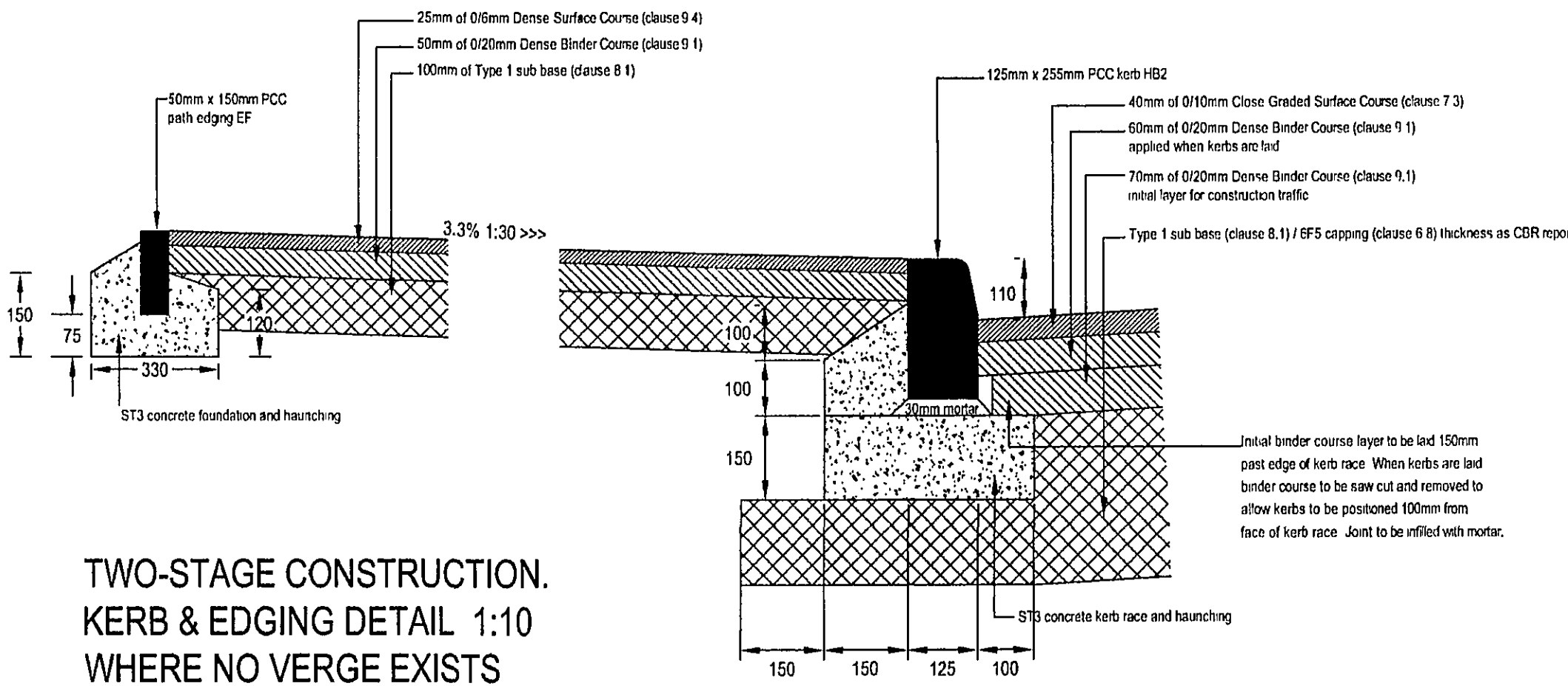
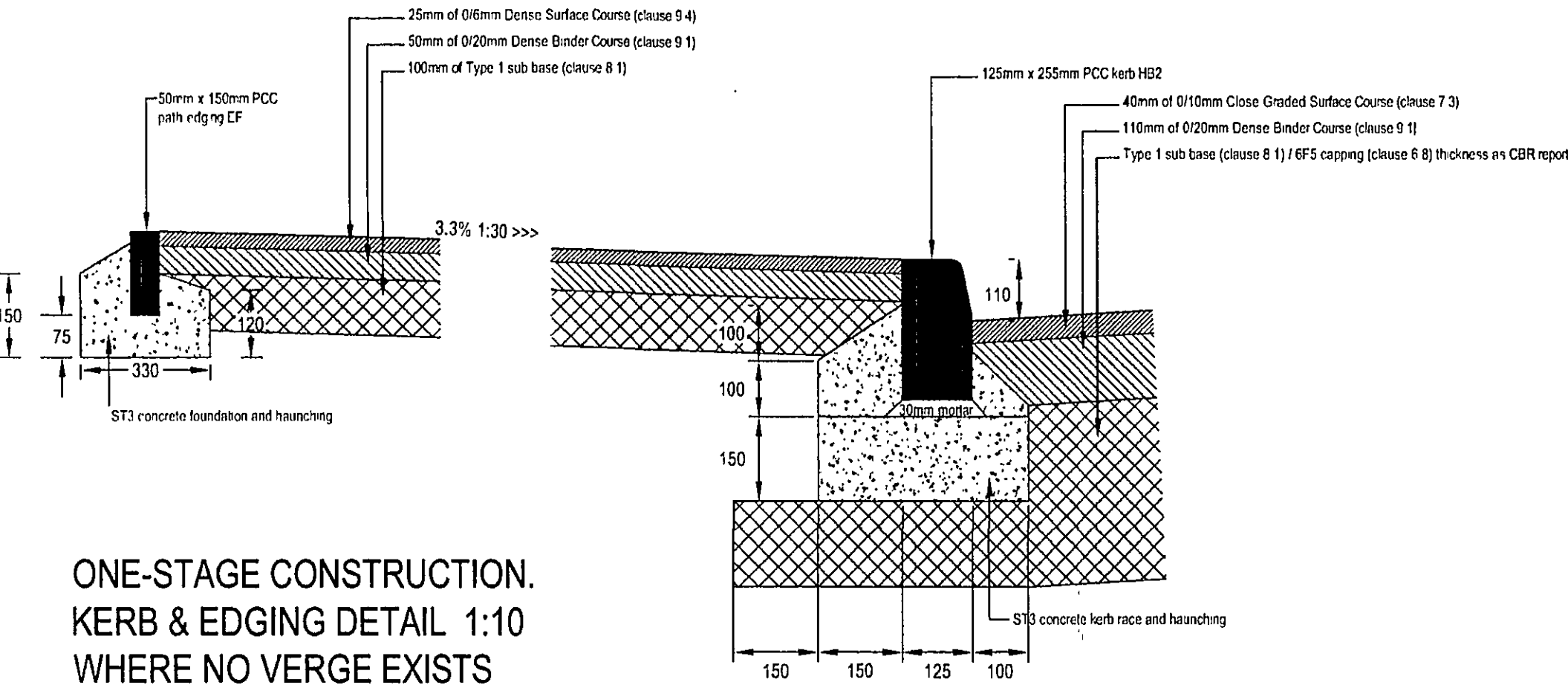


NOTE:
THE SPECIFICATION SHALL IN ALL RESPECTS BE TO THE CURRENT DEVELOPMENT ROAD LAYOUT GUIDE AND SPECIFICATION IN FORCE IN THE COUNTY AT THE TIME OF CONSTRUCTION.



CONSTRUCTION CHART 1 - ROADS UP TO 0.25 msa
NORMAL FLEXIBLE CONSTRUCTION

SUBGRADE BEARING CAPACITY (CBR)	SUB-BASE (mm)		SURFACING (mm)		TOTAL THICKNESS (mm)	
	without Geosynthetic	with Geosynthetic	Binder Course	Surface Course	without Geosynthetic	with Geosynthetic
Below 1.5%	N/A	710 (1)	110 (2)	40	N/A	860 (1) (2)
1.5%	N/A	440	110 (2)	40	N/A	590 (2)
2%	400	340	110 (2)	40	550	490 (2)
3%	310	300	110 (2)	40	460	450 (2)
4%	200	300	110 (2)	40	450	450 (2)
5%	200	300	110 (2)	40	450	450 (2)
6-15%	200	300	110 (2)	40	450	450 (2)
Above 15%	200	300	110 (2)	40	450	450 (2)

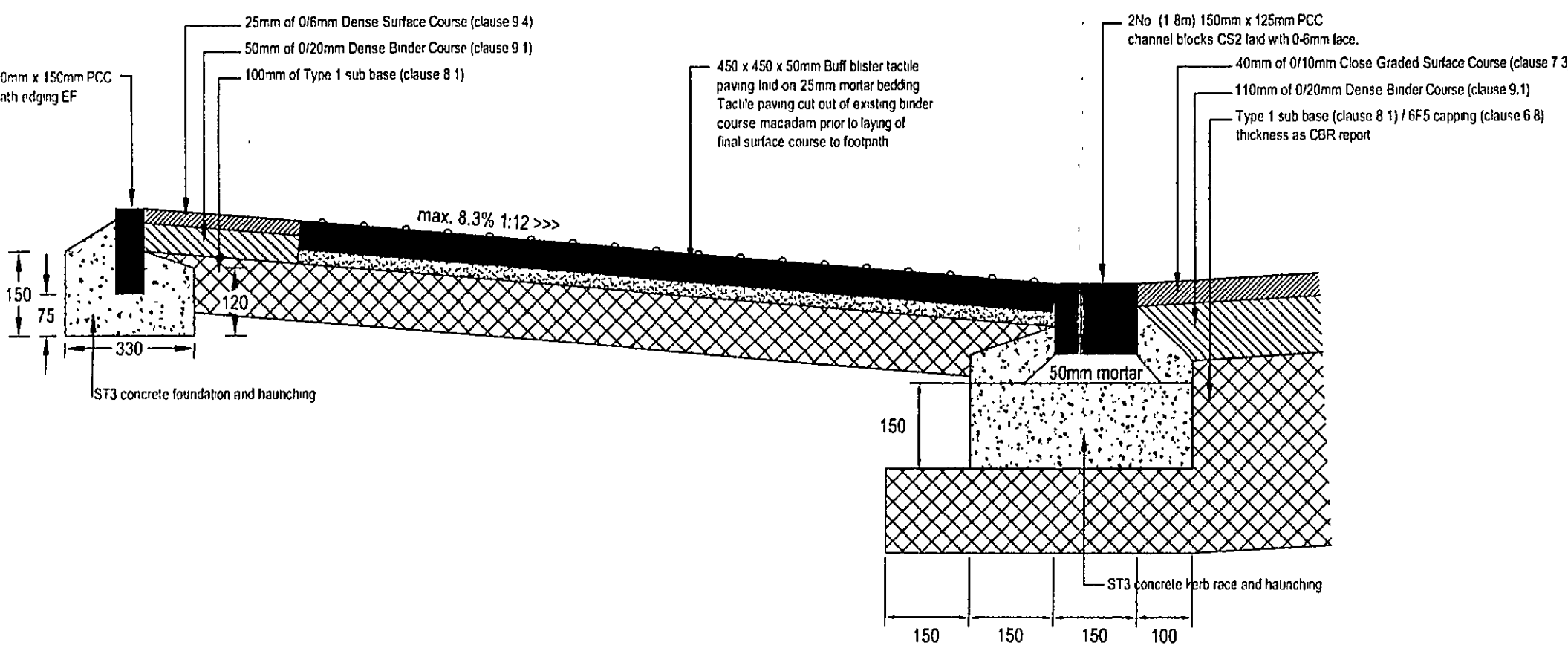
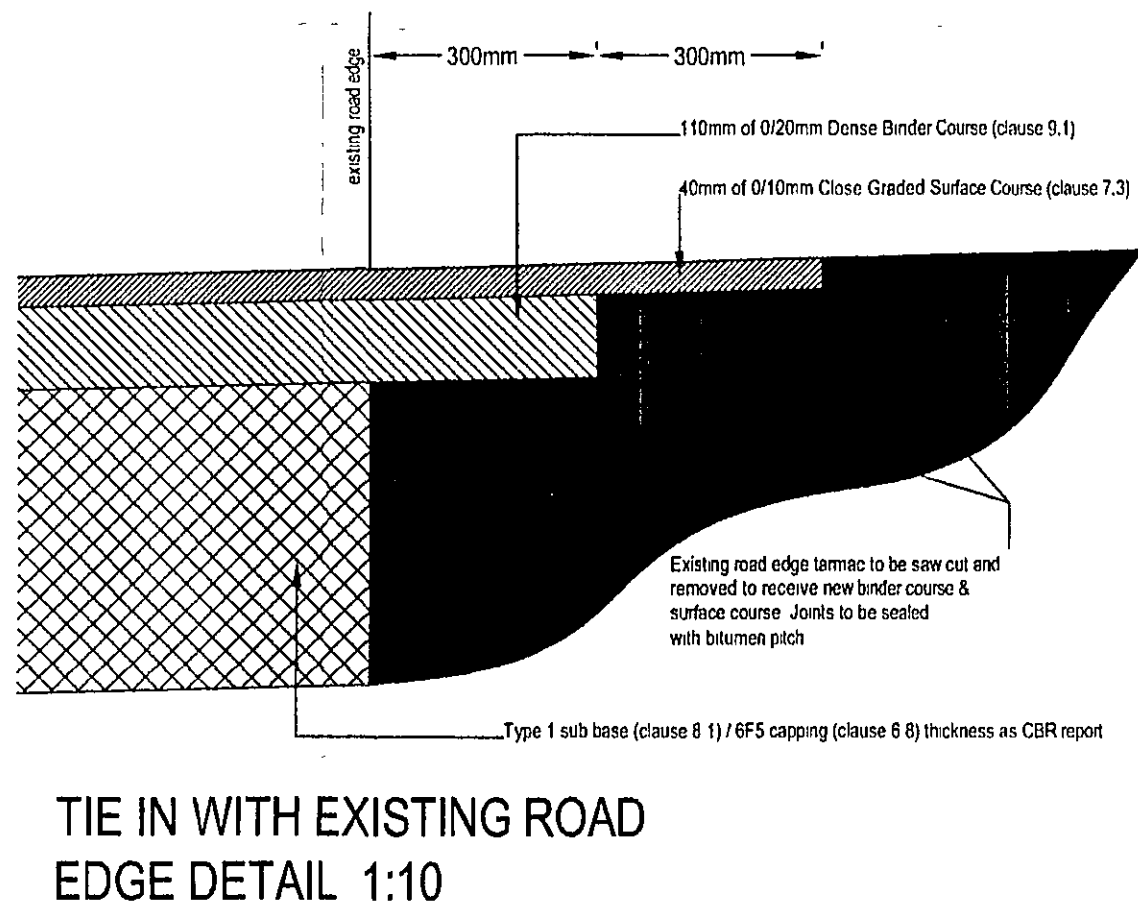
(1) Assumes no improvement is possible either using sub-soil drainage or soil strengthening techniques. 710mm is 410mm of 6F5 capping layer granular fill to clause 6.8 and 300mm of Type 1 sub base. The thickness of 710mm can be reduced to 620mm if all Type 1 sub base is used.
For soft spots and sub grades with CBR values below 1.5% the geosynthetic shall be an approved Geogrid.
(2) Binder Course can be laid in one layer (one stage construction) or an initial Binder Course layer of 70mm followed by an additional layer of 60mm when the kerbs are laid (two stage construction).
If two stage construction is used then Binder Course depths and Total Construction depths are therefore increased by 20mm.

CARRIAGEWAY WIDENING ON CENTRELINER RADI LESS THAN 80m SERVING MORE THAN 25 DWELLINGS.

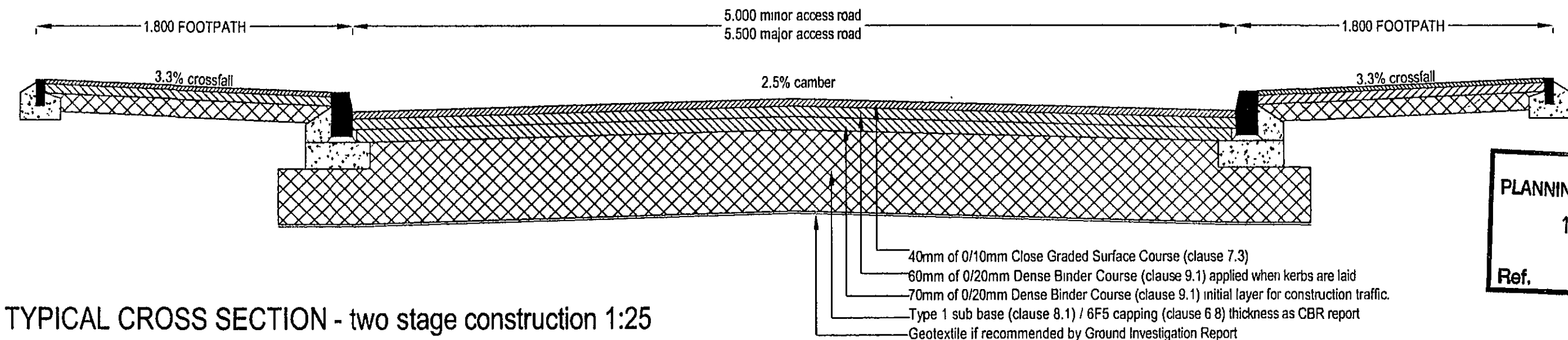
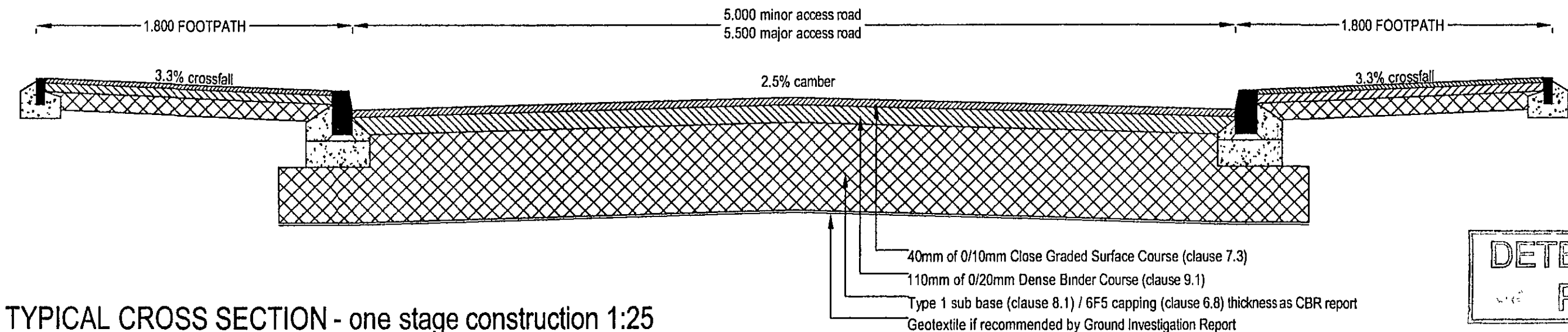
CENTRELINER RADIUS	20	30	40	50	60	80
MINOR ACCESS ROAD	0.60	0.40	0.35	0.25	0.20	0.15
MAJOR ACCESS ROAD	N/A	0.40	0.35	0.25	0.20	0.15

KERB RADI AT JUNCTIONS.

MINOR ACCESS ROAD	6.0
MAJOR ACCESS ROAD	10.0



ONE STAGE CONSTRUCTION
PRAM CROSSING DETAIL 1:10



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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 900mm²

DRAWING

13 JUN 2007

ISSUED

ORIGINAL
IF
RED

DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
CHECK ON SITE AND ALL DISCREPANCIES TO BE REPORTED TO GARY HALL AT LUDA CIVILS LTD.

AMENDMENTS:

REF.	DESCRIPTION.	DATE.	BY.

CLIENT:

PROJECT:

STANDARD DETAILS
2005 STANDARDS

TITLE:

LINCOLNSHIRE COUNTY COUNCIL
MINOR AND MAJOR ACCESS ROADS
TYPICAL SECTION AND SPECIFICATION

SCALE:

AS SHOWN

DATE:

NOVEMBER 2006

DRAWING No:

SD/003

DRAWN BY:

Autos

CHECKED BY:

IT

Luda Civils Ltd

Design & Build Civil Engineering Contractors

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