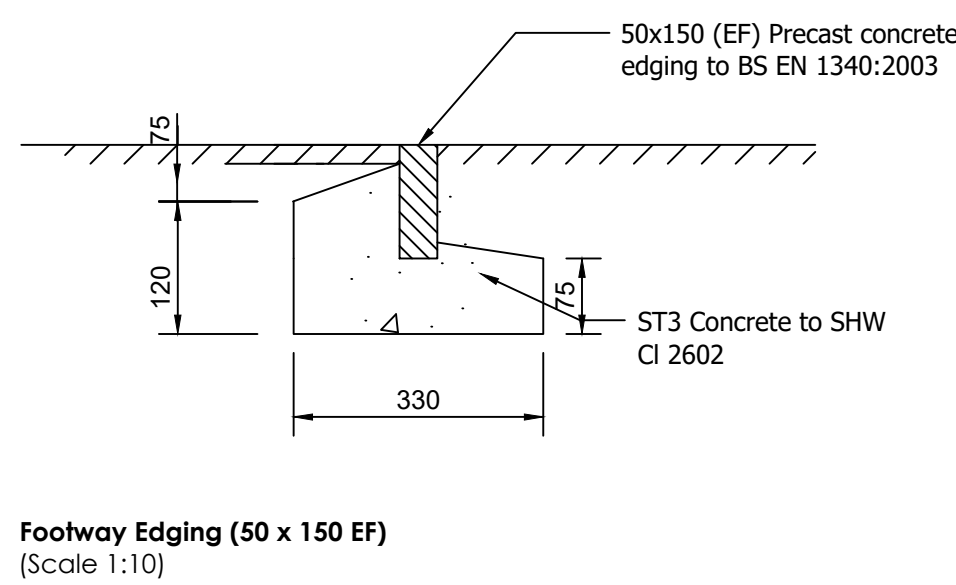
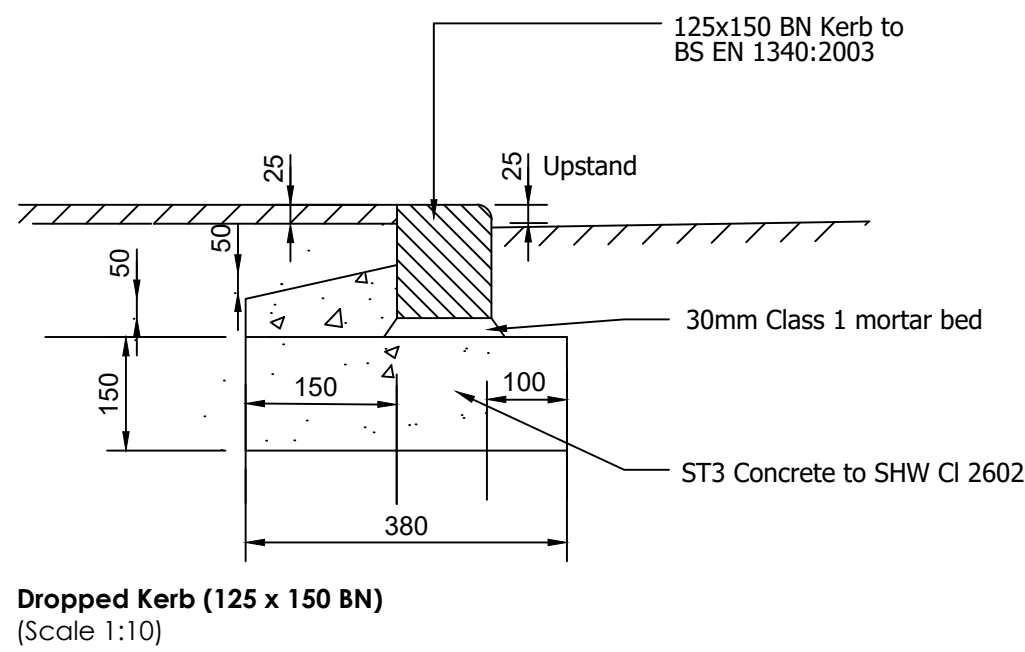
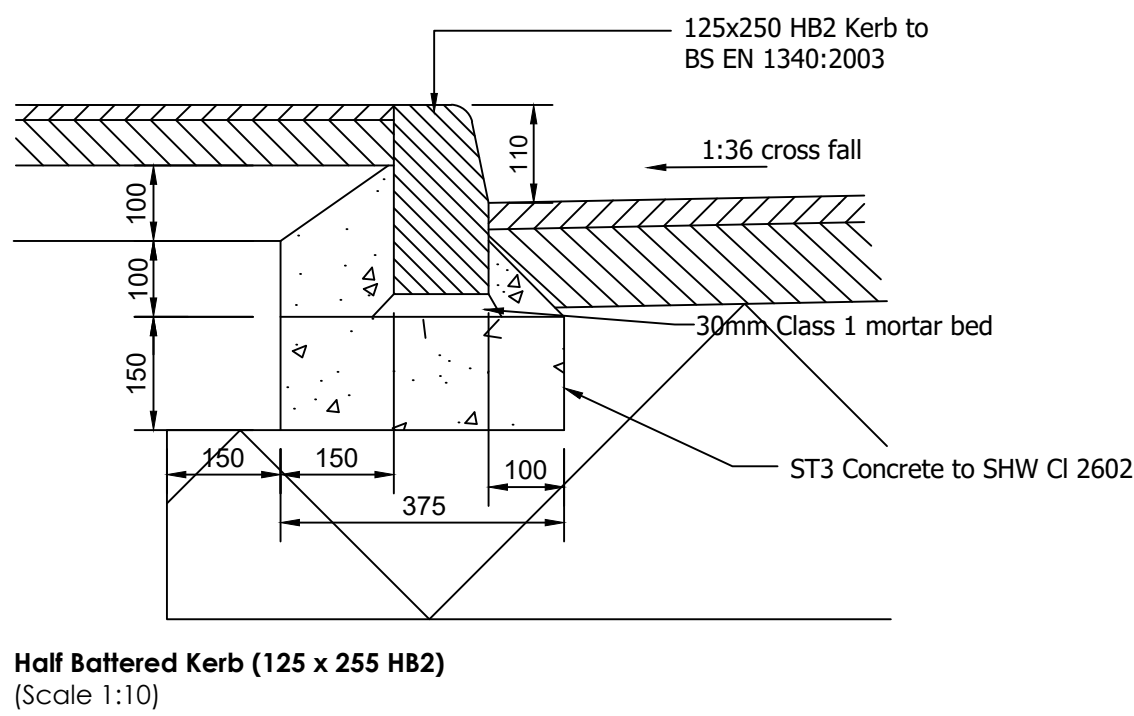
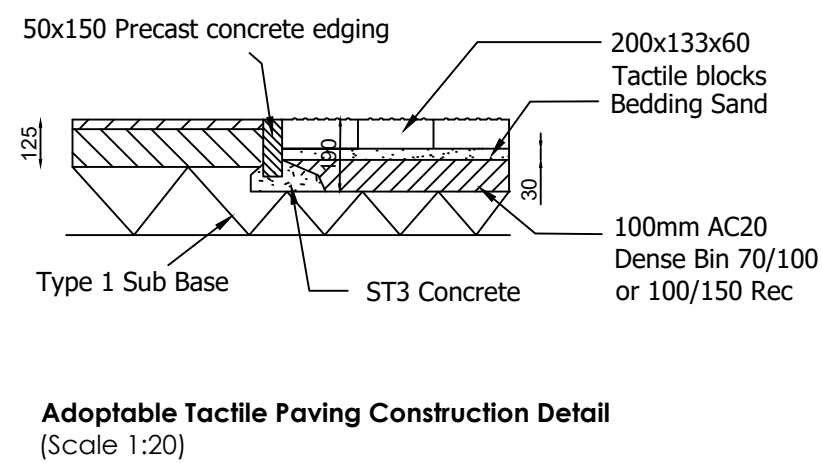
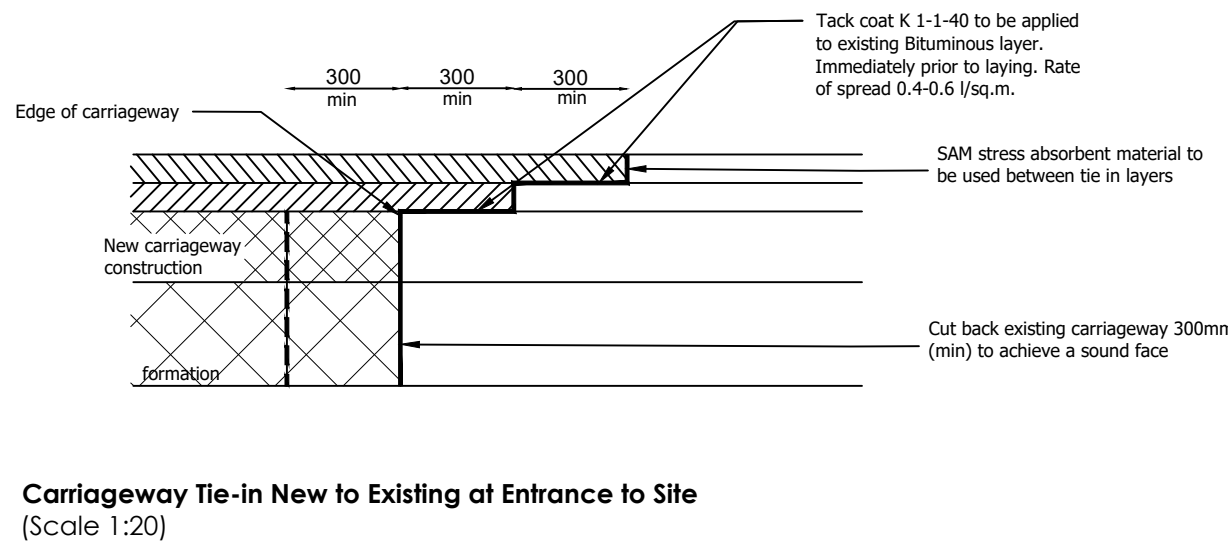
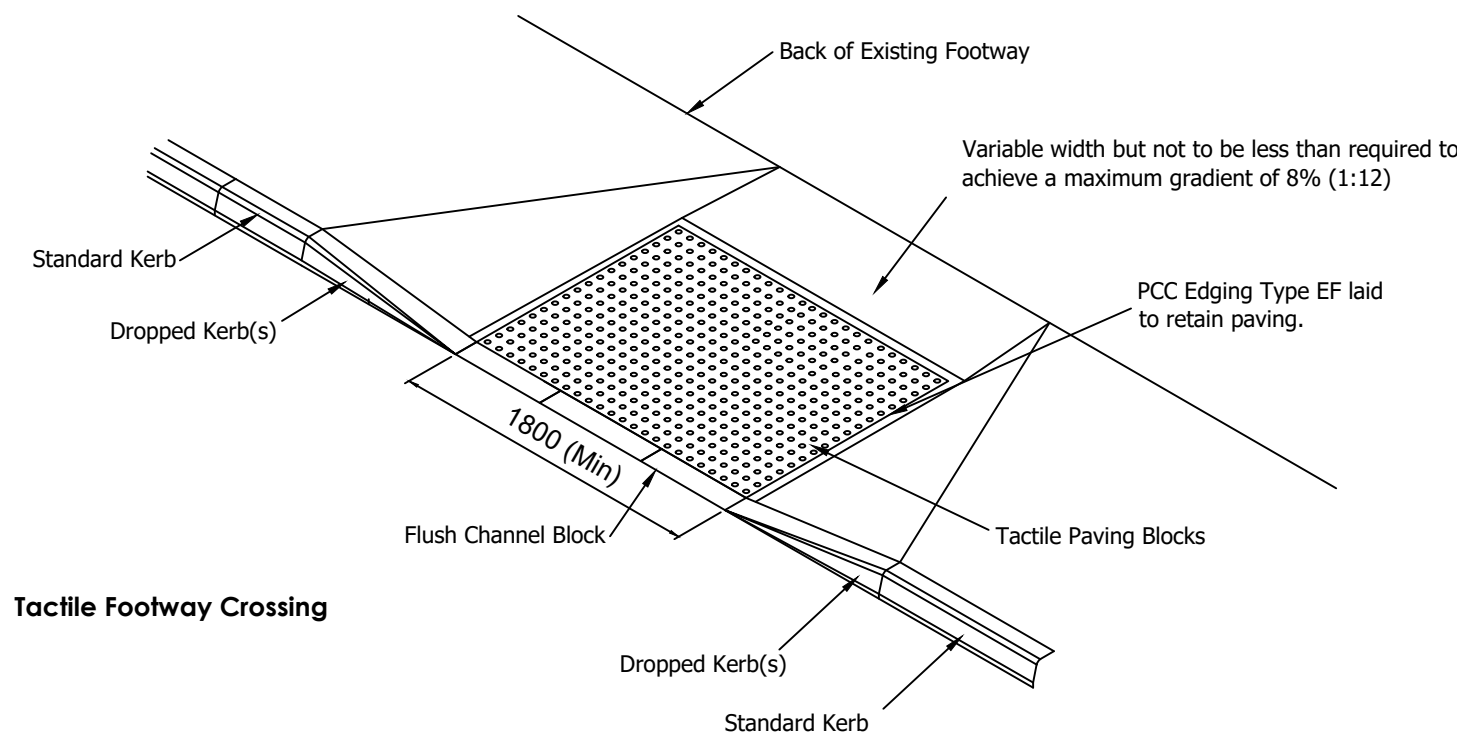
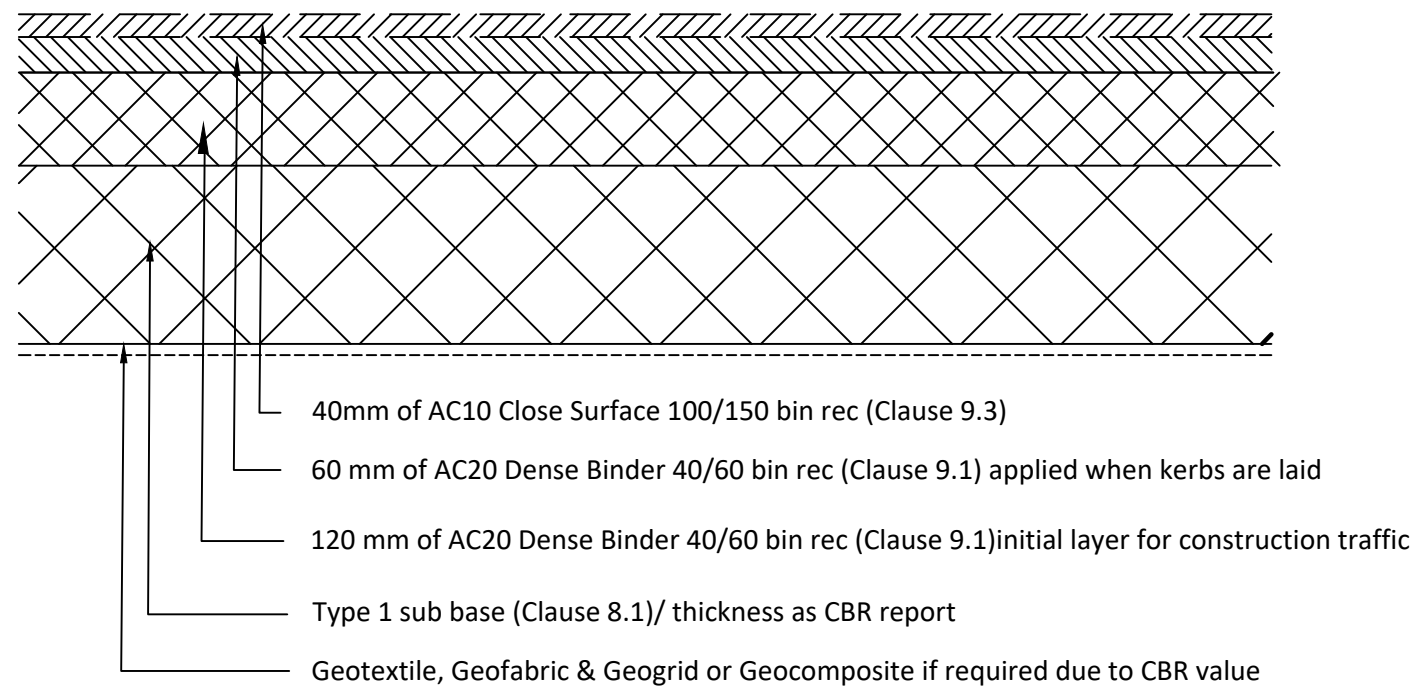
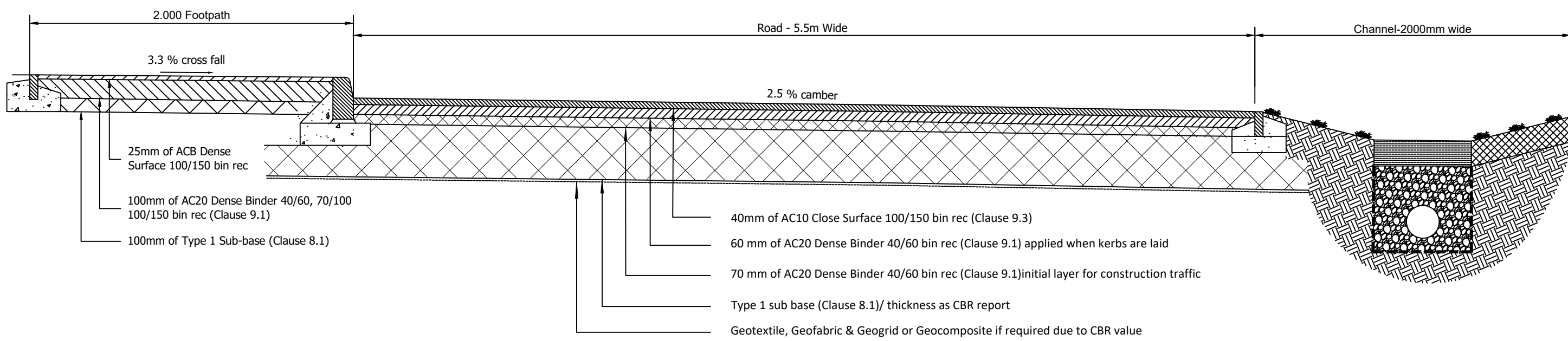
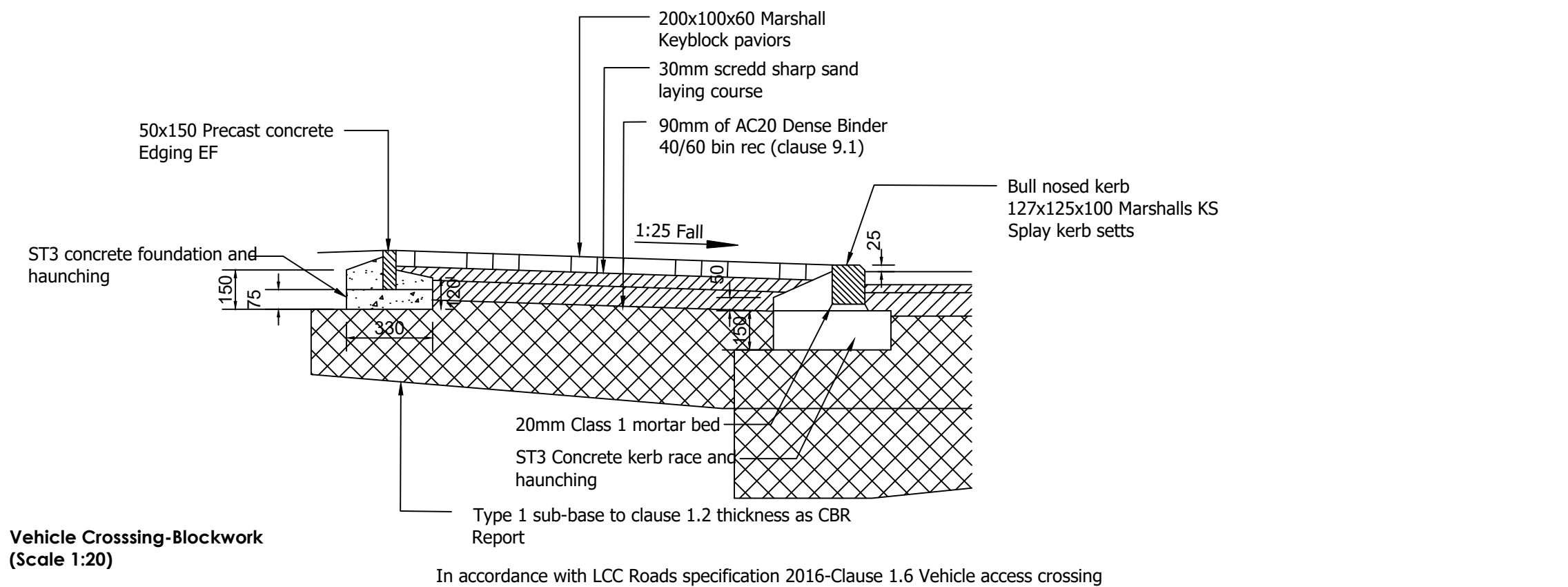
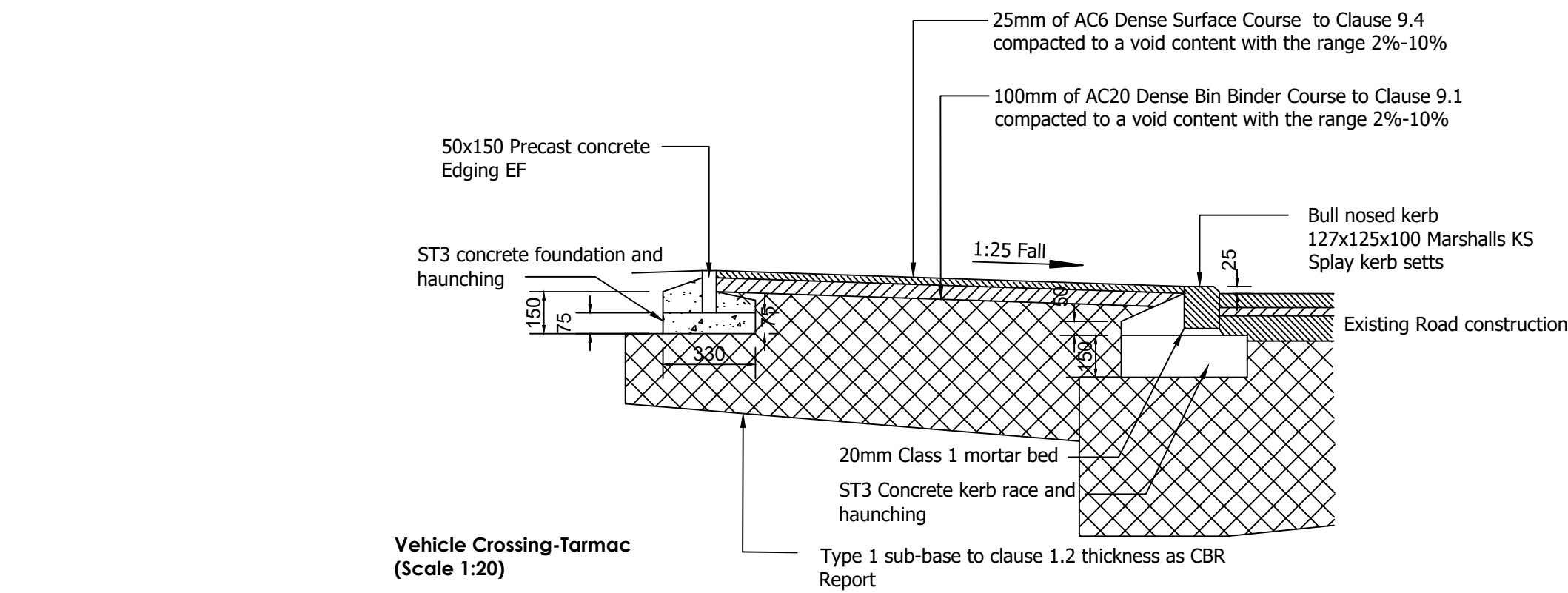




LCC ROADS SPECIFICATION V.2016 - CHART 3- BLOCK PAVERS CONSTRUCTION

Sub-Grade (Note 1)	Sub-base (mm)		Surfacing (mm)			Total thickness required (mm)	
	Without geosynthetic	With geosynthetic	Binder Course	Surface Course	Block Paver	Without geosynthetic	With geosynthetic
CBR Value							
Below 1 ½% & soft spots	Not suitable	710 (Note 2)	120	30	80	Not suitable	940 (Note 2 & 3)
1 ½%	Not suitable	440	120	30	80	Not suitable	670
2%	400	340	120	30	80	630	570
3%	310	300	120	30	80	540	530
4% (Note 4)	260	300 (Note 4)	120	30	80	490	490 (Note 4)
5% (Note 4)	225	300 (Note 4)	120	30	80	455	490 (Note 4)
6-15% (Note 4)	220	300 (Note 4)	120	30	80	450	490 (Note 4)
Above 15% (Note 4)	220	300 (Note 4)	120	30	80	450	490 (Note 4)

Note 1: See clauses 1.1.6 and 1.1.7

Note 2: See clause 1.1.6 - Assumes no improvement is possible using either sub-soil drainage or soil strengthening technique. 710mm is to 410mm of 6F2 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 1 ½% the geosynthetic shall be an approved geogrid or shall be an approved geocomposite. Approved specialist design can be used with the agreement of the Authority.

Note 4: See Clause 1.9.

Note 5: The use of a geosynthetic with a sub-grade with this bearing capacity offers no advantage or economy. Ref: BS7533 Guide for design of pavements constructed with clay or concrete block pavers.

LCC ROADS SPECIFICATION V.2016 - CHART 4-NORMAL FLEXIBLE CONSTRUCTION

Sub-Grade (Note 1)	Sub-base (mm)		Surfacing (mm)		Total thickness required (mm)	
	Without geosynthetic	With geosynthetic	Binder Course	Surface Course	Without geosynthetic	With geosynthetic
CBR Value						
Below 1 ½% & soft spots	Not suitable	710 (Note 2)	180	40	Not suitable	930 (Note 2 & 5)
1 ½%	Not suitable	440	180	40	Not suitable	660 (Note 5)
2%	400	340	180	40	620 (Note 5)	560 (Note 5)
3%	310	300	180	40	530 (Note 5)	520 (Note 5)
4% (Note 4)	260	260 (Note 6)	180	40	480 (Note 5)	490 (Note 4)
5% (Note 4)	230	230 (Note 6)	180	40	450 (Note 5)	450 (Note 4)
6-15% (Note 4)	230	230 (Note 6)	180	40	450 (Note 5)	450 (Note 4)
Above 15% (Note 4)	230	230 (Note 6)	180	40	450 (Note 5)	450 (Note 4)

Note 1: See clauses 1.1.6 and 1.1.7

Note 2: See clause 1.1.6 - Assumes no improvement is possible using either sub-soil drainage or soil strengthening technique. 710mm is to 410mm of 6F2 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 1 ½% the geosynthetic shall be an approved geogrid or shall be an approved geocomposite.

Note 4: The use of a geosynthetic with a sub-grade with this bearing capacity offers no advantage or economy.

Do not scale directly from this drawing. All discrepancies are to be brought to the attention of the below office.

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The General Contractor is to check all dimensions on site and report discrepancies to the designer.

The details and information shown hereon relating to existing underground drains, main services, cables, etc., and existing structural details, are as obtained by normal survey observation method. Although all reasonable effort has been made, no guarantee can be made or given for the completeness or accuracy of this information.

Note:

Construction to be in accordance with Lincolnshire County Council Highway Development Road and Sustainable Drainage Specification and Construction

STANDARD ROADS / FOOTPATH NOTES:

- Subgrade to be proof rolled with one pass of a smooth-wheeled roller having a mass per M-width of roll of not less than 2,100-kg or a Vibrating Roller having a mass per M-width of roll of not less than 700-kg or a Vibrating Plate Compactor having a mass per m2 of not less than 1400-kg. Any soft spots shall be removed and replaced with Type 1 compacted in layers not exceeding 150mm thickness.
- All formations are to be treated with an approved herbicide before placing sub-base material on a geotextile separation membrane (Teram 1000 or similar approved).
- All sub-base material is to be non-frost-susceptible.

07.03.2019 ZEK Drawing Revisions/Notes
REVISION DATE DRAWN DESCRIPTIONTHE BOATHOUSE, HARBOUR SQUARE,
NENE PARADE, WISBECH,
CAMBRIDGESHIRE, PE13 3BHT: 01945 467339
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W: www.studio11architecture.co.uk

CLIENT Seagate Homes Ltd

PROJECT Residential development off Station Road, Surfleet

DRAWING Road Construction Details-Adoptable

DRAWN	PROJECT DESIGNER	PROJECT DIRECTOR
ZEK	TBP	KB
DATE	SCALE	PAPER SIZE
01.02.2019	VAR	A1

DRAWING NUMBER 428.RS.940

Working in partnership with Ralph Charman Associates & Eleven Consultants