

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

- STANDARD ROADS / FOOTPATH NOTES:
1. 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 700kg 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.
  2. All formations are to be treated with an approved herbicide before placing s/b-base material on a geotextile separation membrane (Teram 1000 or similar approved).
  3. All sub-base material is to be non-frost-susceptible.

The specification in all respects shall be in accordance with the current Development Road and Sustainable Drainage Specification and Construction publicatin in force in the county at the time of construction

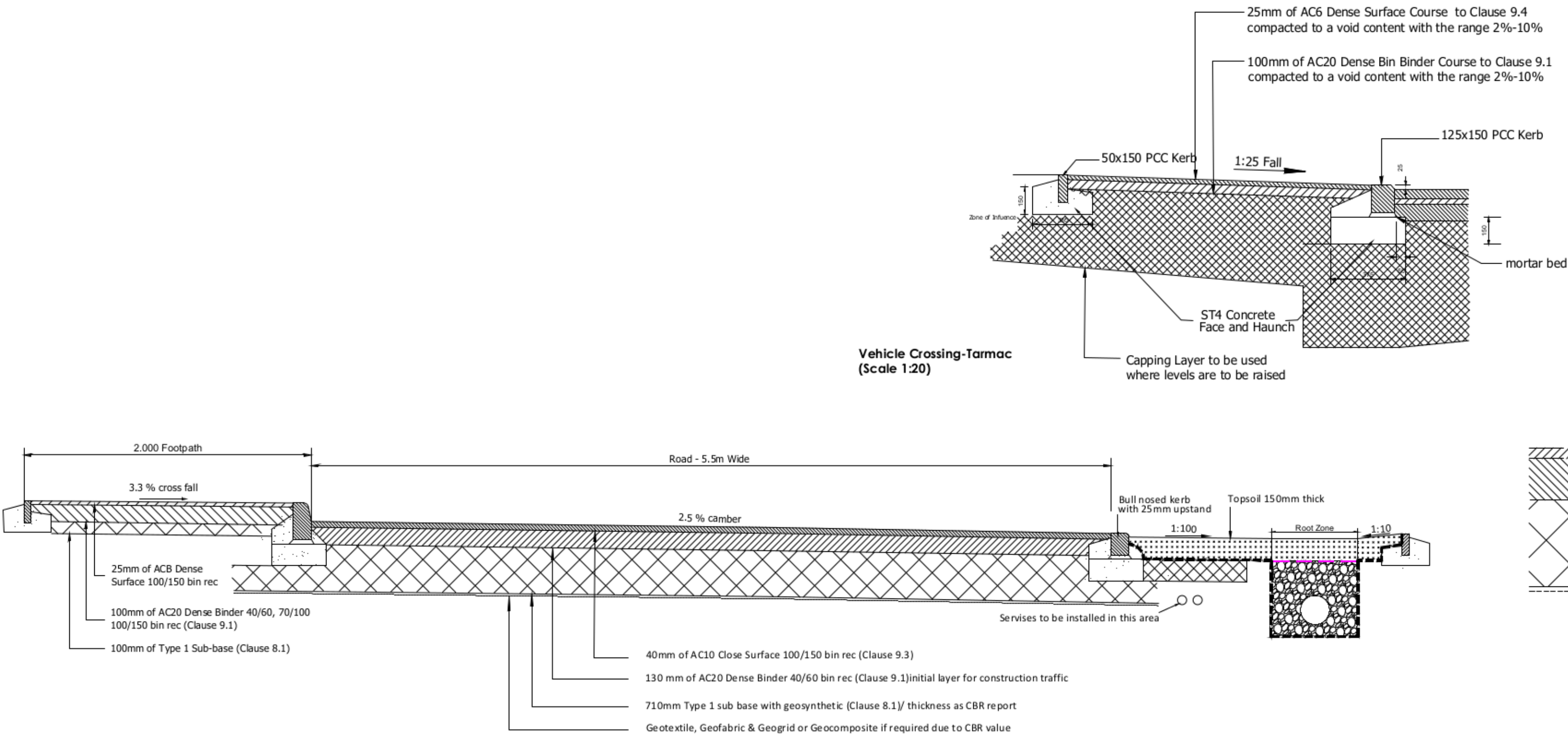
The minimum longitudinal fall for highways without channel blocks shall be 1 in 150, and with channel blocks 1 in 250

General deterioration of the existing highway/footway/verges created through construction of the new Section 38 Development will be reinstated to the Development Road and Sustainable Drainage Specification and Construction at the developer's own cost of the agreement of the inspecting Highway and Flood Authority Officer

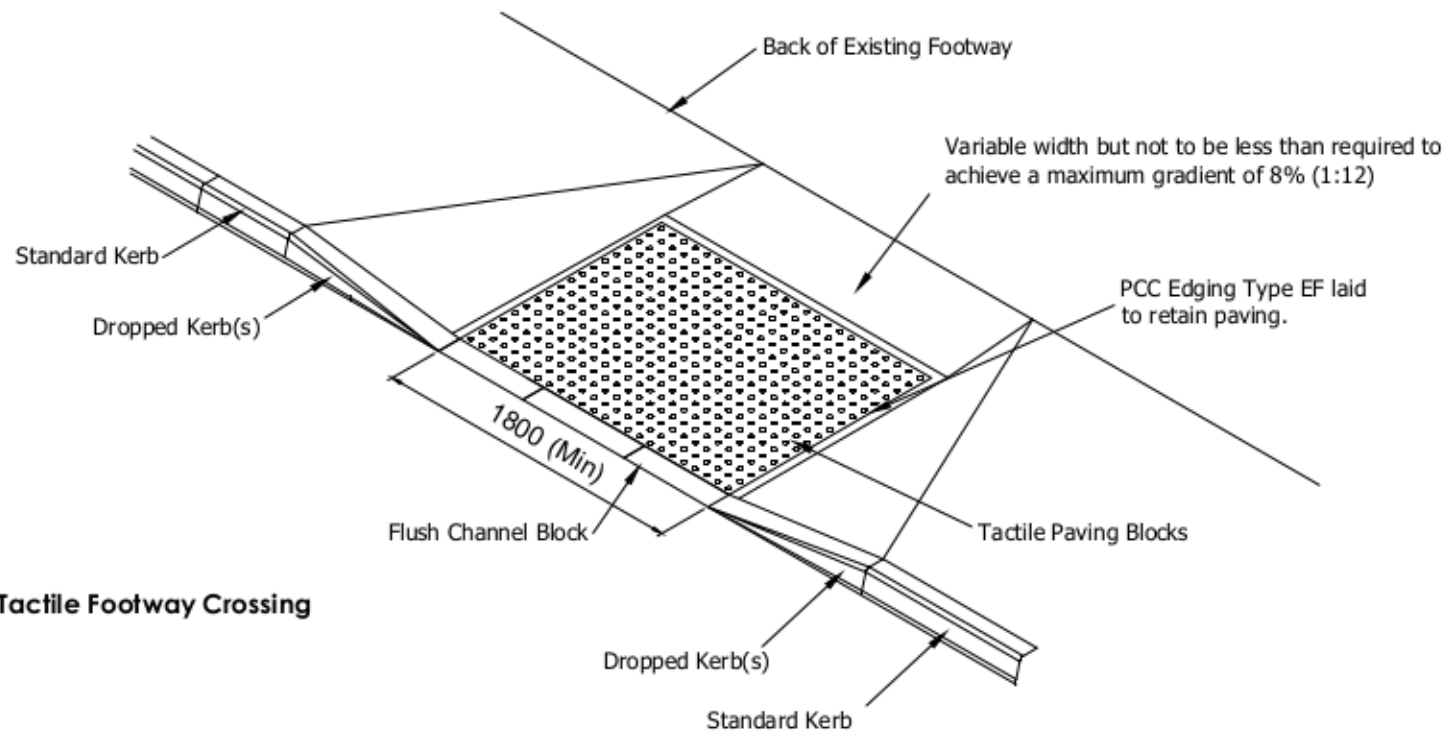
No private surface water shall discharge onto the adoptable highway

No private structural features shall overhang the adoptable highway

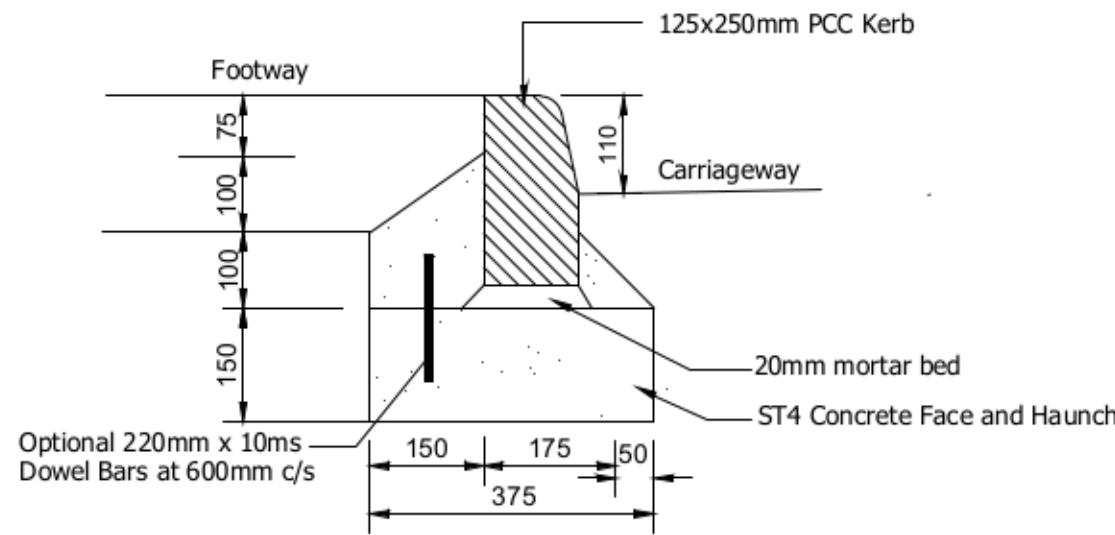
No private retaining walls exceeding 1.37 metres shall be within 3.66 metres of the highway boundary



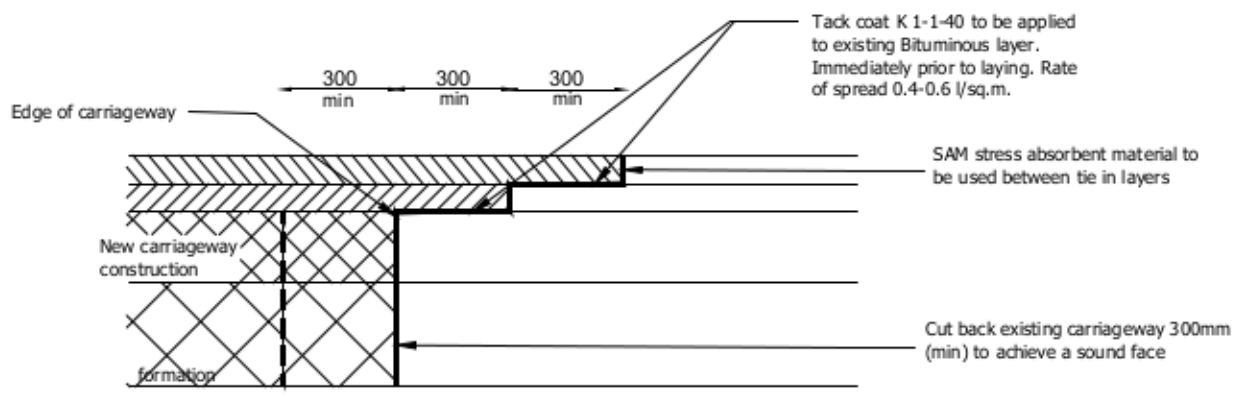
Typical Cross Section  
(Scale 1:25)



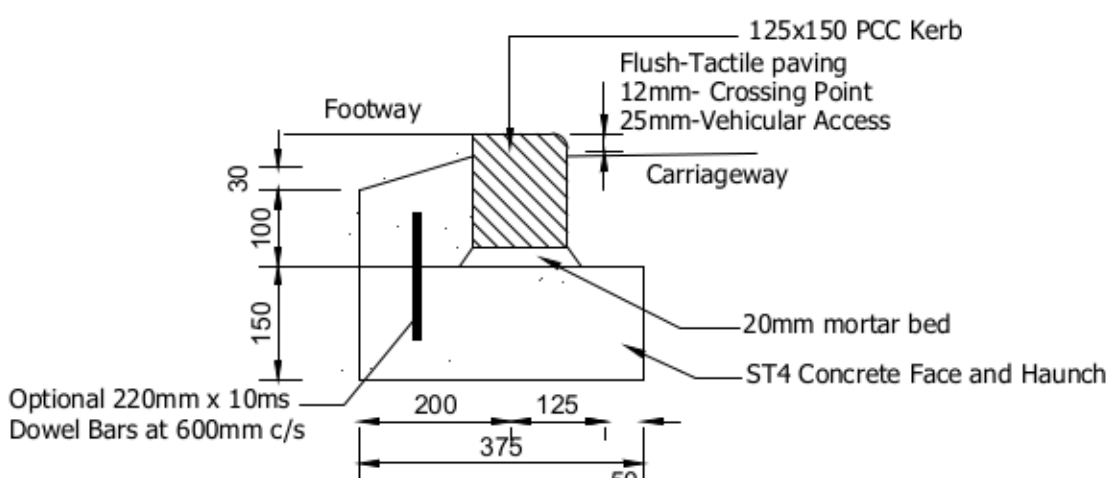
Tactile Footway Crossing



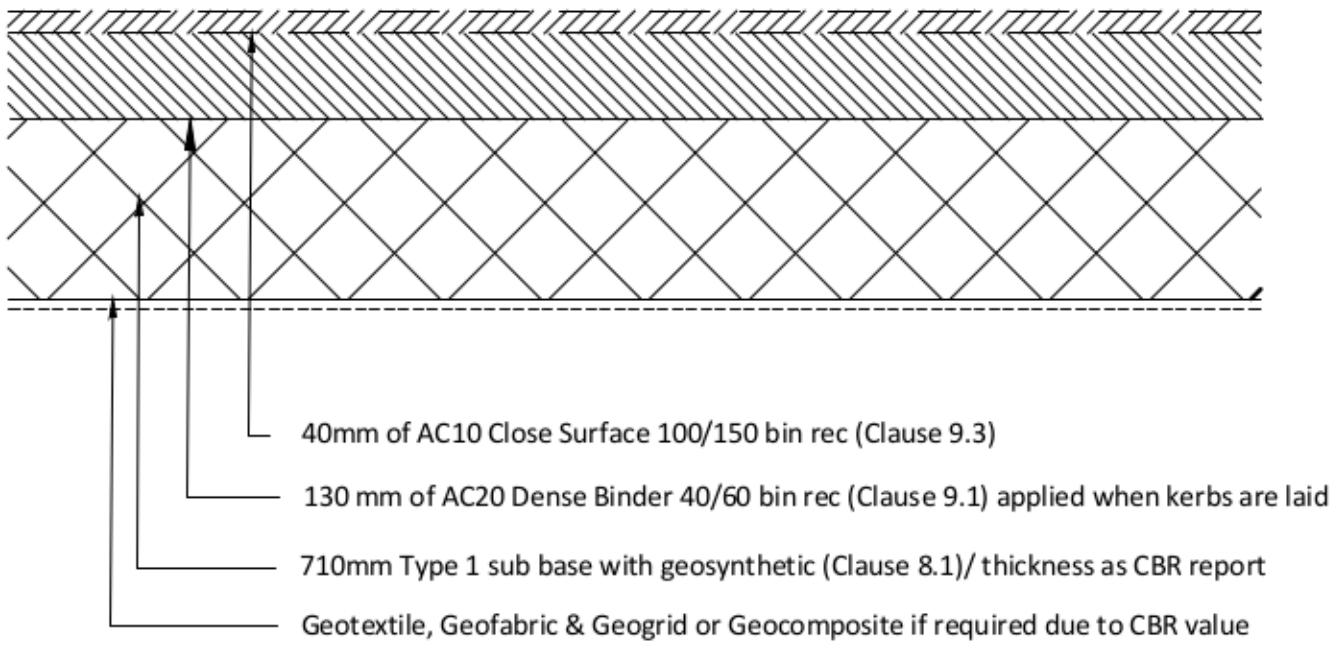
Half Battered Kerb (125 x 255 HB2)  
(Scale 1:10)



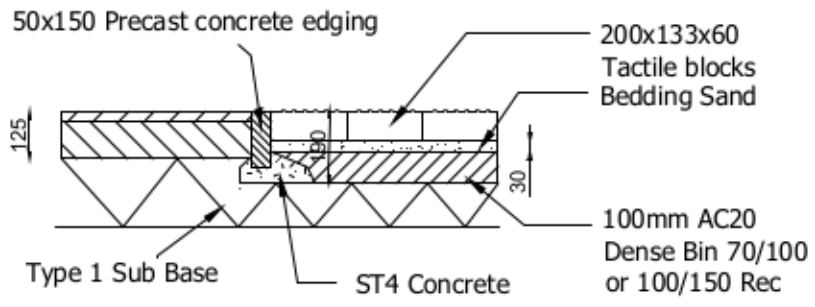
Carriageway Tie-in New to Existing at Entrance to Site  
(Scale 1:20)



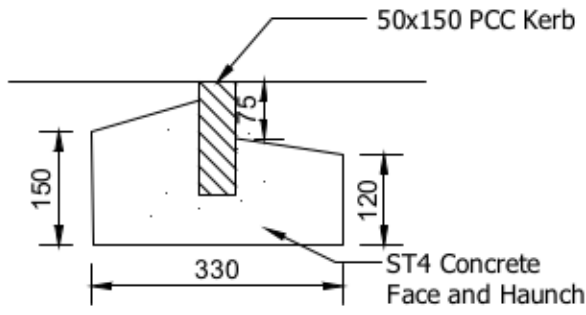
Dropped Kerb (125 x 150 BN)  
(Scale 1:10)



Tarmac Construction Detail  
(Scale 1:20)



Adoptable Tactile Paving Construction Detail  
(Scale 1:20)



Footway Edging (50 x 150 EF)  
(Scale 1:10)

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

Sub-Grade (Note 1)	Sub-base (mm)		Surfacing (mm)		Total thickness required (mm)	
	Without geosynthetic	With geosynthetic	Binder Course Note 4	Surface Course	Without geosynthetic	With geosynthetic
CBR Value						
Below 1 1/2% & soft spots	Not suitable	710 (Note 2 & 3)	130	40	Not suitable	880(Note 2,3 & 4)
1 1/2%	Not suitable	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 5)	300	300 (Note 5)	130	40	470(Note 5)	470 (Note 4 & 5)
5%(Note 5)	300	300 (Note 5)	130	40	470(Note 5)	470 (Note 4 & 5)
6-15%(Note 5)	300	300 (Note 5)	130	40	470(Note 5)	470 (Note 4 & 5)
Above 15%(Note 5)	300	300 (Note 5)	130	40	470 (Note 5)	470 (Note 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 to 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 1 1/2% the geofabric 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: Initial Binder Course layer thickness 70mm if the alternative kerbing installation method (two stages construction-kerbing to be laid at a later stage) is used. Total Binder Course thickness becomes 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.

C	29.05.2019	ZEK	Storm water drainage strategy, drainage details, manhole schedule, revised plan, pond size
B	09.04.2019	ZEK	Highways initial comments (Footpath, S278, S38, MH cover levels, Kerb details, Filter drain detail, construction details, Chart 1, Closures, added easements, bedding, Vehicle crossings, contours, Excavation)
A	07.03.2019	ZEK	General amendments.
REVISION	DATE	DRAWN	DESCRIPTION



**CLIENT** Seagate Homes Ltd

**PROJECT** Residential development off Station Road, Surfleet

<b>DRAWING</b> Road Construction Details-Adoptable		
<b>DRAWN</b> ZEK	<b>PROJECT DESIGNER</b> TBP	<b>PROJECT DIRECTOR</b> KB
<b>DATE</b> 01.02.2019	<b>SCALE</b> VAR	<b>PAPER SIZE</b> A1
<b>DRAWING NUMBER</b> 428.RS.940		