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No.	Revision	Date	Drawn

- KEY**
-  FLEXIBLE FOOTWAY CONSTRUCTION
 -  CARRIAGEWAY CONSTRUCTION
 -  ROAD TIE IN CONSTRUCTION
 -  EXTENTS OF HALF BATTERED KERBS
125mm X 255mm HALF BATTERED KERB WITH 100mm UPSTAND.
 -  EXTENTS OF FLAT TOP EDGING
50mm X 150mm FLAT TOP EDGING LAID FLUSH WITH SURFACING.
 -  EXTENTS OF CHAMFERED KERBS
125mm X 175mm CHAMFERED KERBS WITH 6mm UPSTAND.
 -  TRANSITION KERB

CAPPING SPECIFICATION

1. 6F1 / 6F2 CAPPING SHALL BE WELL GRADED CRUSHED ROCK, CRUSHED CONCRETE OR CRUSHED BRICK COMPLYING WITH THE FOLLOWING GRADINGS WHEN TESTED IN ACCORDANCE WITH BS 1377.

BS SIEVE SIZE	% BY MASS PASSING	
	6F1	6F2
125mm	100	100
90mm	80 - 100	65 - 100
75mm	100	65 - 100
37.5mm	45 - 100	45 - 100
10mm	40 - 95	15 - 60
5mm	30 - 85	10 - 45
600µm	10 - 15	0 - 25
63µm	0 - 12	< 15

3. IT IS ASSUMED THAT A MINIMUM CBR OF 3% WILL BE ACHIEVED AT FORMATION LEVEL. CONTRACTOR TO VERIFY WITH ON-SITE CBR TESTS; ABOVE TABLE TO BE UTILISED AGAINST TEST RESULTS. MINIMUM CONSTRUCTION THICKNESS OF 450mm NON-FROST SUSCEPTIBLE MATERIAL TO BE IMPLEMENTED.

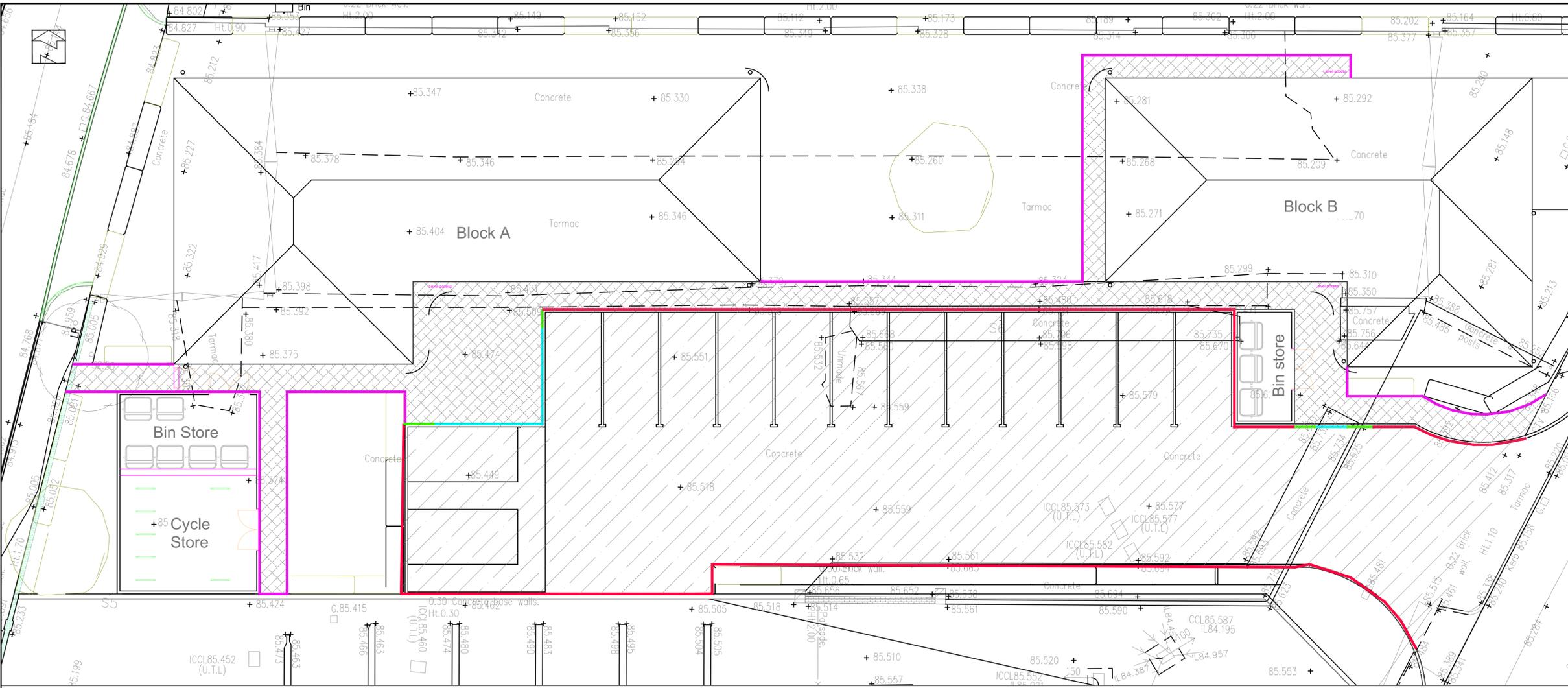
4. WHEN THE SUB-GRADE IS BELOW 2.5% CAPPING SUB-GRADE IMPROVEMENT WILL BE REQUIRED.

5. THE FOUNDATION DESIGN SHOULD NOT VARY FREQUENTLY ALONG THE ROAD. AN APPROPRIATE VALUE FOR EACH SIGNIFICANT CHANGE IN SUB-GRADE PROPERTIES SHOULD BE SELECTED.

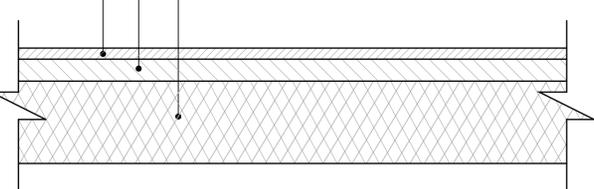
6. WHERE CAPPING IS PLACED ON CLAY SUB-GRADE MATERIAL OR CONTAMINATED SUB-GRADE MATERIAL ONE LAYER OF TERRAM 1500 GEOTEXTILE (OR EQUIVALENT APPROVED) SHALL BE PROVIDED TO SEPARATE SUB-GRADE AND CAPPING MATERIALS.

TABLE 1 (TO IAN 73/06 REV 1)

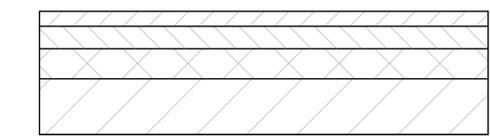
CBR%	CAPPING LAYER AND SUB-BASE OPTIONS RESTRICTED FOUNDATION DESIGN: FOUNDATION CLASS 2	
	OPTION A	OPTION B
2.5%	SUB-BASE & CAPPING	SUB-BASE ONLY
3%	420 & 250	450
4%	380 & 230	420
5%	340 & 210	390
6%	290 & 200	290
7%	240 & 180	260
8%	230 & 170	240
9%	220 & 160	220
10%	210 & 150	200
11%	200 & 170	240
12%	190 & 160	220
13%	180 & 150	200
14%	170 & 170	240
15%	160 & 160	220
16%	150 & 150	200



- 30mm AC6 MED SURF TO PD 6691 ANNEX B
- 70mm AC20 OPEN BIN TO PD 6691 ANNEX B
- 150mm DoT TYPE 1 GRANULAR SUB-BASE TO CL.803 SHW



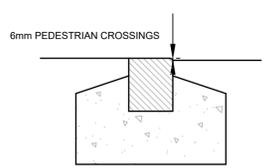
FULL FOOTWAY CONSTRUCTION



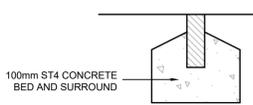
CAR PARK CONSTRUCTION

- SURFACE COURSE** 40mm AC10 CLOSE SURF PD 6691 ANNEX B
- BINDER COURSE** 60mm AC20 DENSE BIN TO PD 6691 ANNEX B
- BASE** REFER TO TABLE 1 FOR SUB-BASE AND CAPPING DETAILS
- CAPPING**

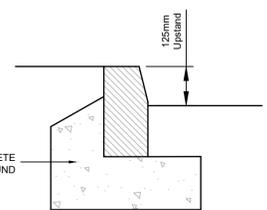
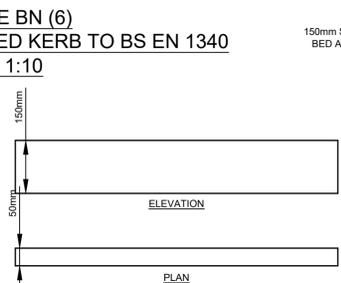
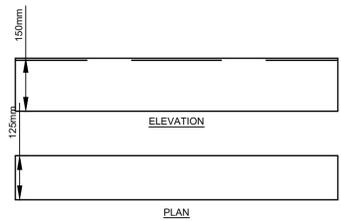
TOTAL NON FROST SUSCEPTIBLE CONSTRUCTION TO BE 450mm EXCLUDING CAPPING REQUIREMENTS.



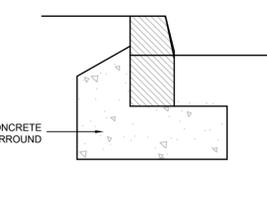
KERB TYPE BN (6)
125mm X 150mm BULLNOSED KERB TO BS EN 1340
SCALE: 1:10



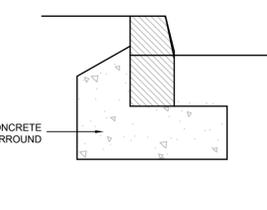
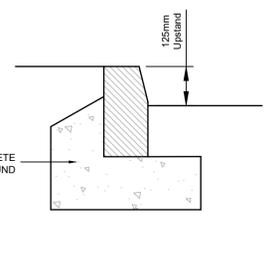
KERB TYPE EF
50mm X 150mm FLAT TOP EDGING TO BS EN 1340
SCALE: 1:10



KERB TYPE HB2
125mm X 255mm HALF BATTERED KERB TO BS EN 1340
SCALE: 1:10



KERB TYPE TK
125mm X 255mm X 150mm HALF BATTERED 1:9 DROP KERB TO BS EN 1340
SCALE: 1:10



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PROJECT
BLACKHEATH ROAD, BARNSELY

DRAWING TITLE
PROPOSED EXTERNAL WORKS

Drawn	Chkd	Date	Scale
AD	RT	June 2025	As Shown
Sheet Size	Drawing No.	Revision	
A1	25359- DR-C-0802		P1