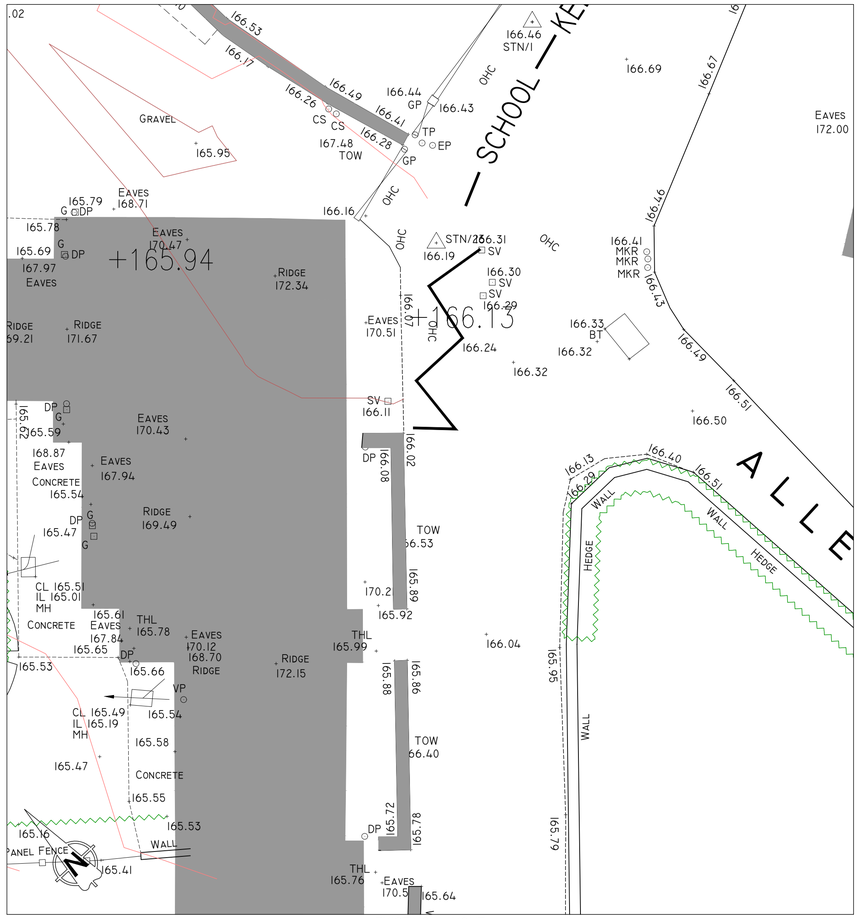
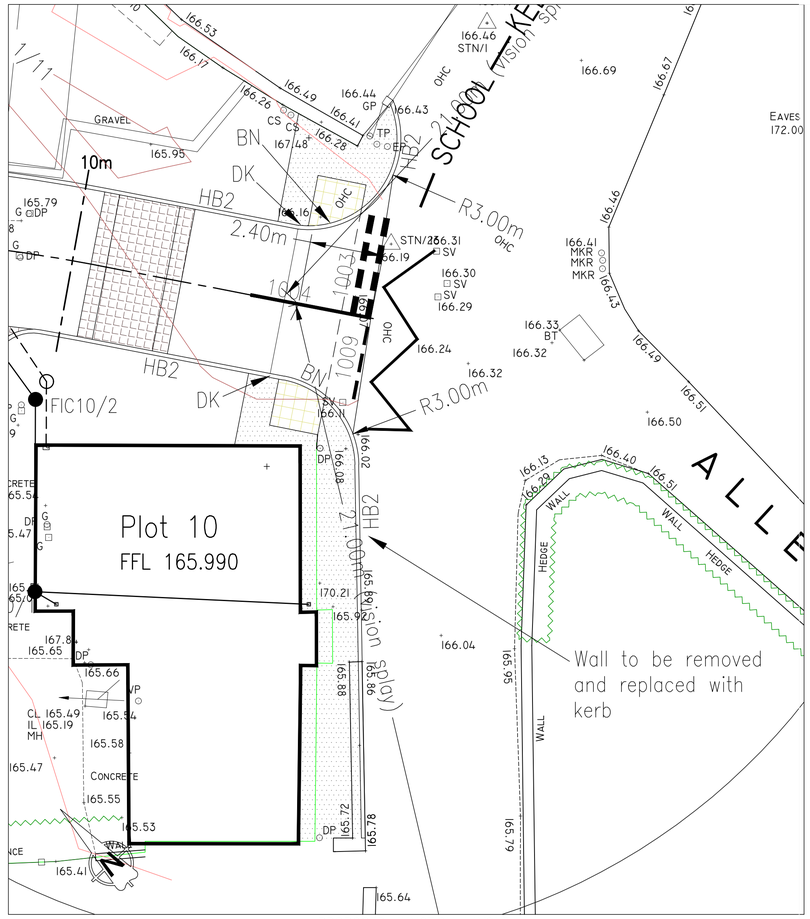
JOB No 5307 | DRG No 201 | REV -



EXISTING LAYOUT



PROPOSED JUNCTION LAYOUT

WEARING COURSE / SURFACE COURSE SMA 10 surf 40/60 to Table D1 of PD 6692:2007, as appropriate with a min PSV 60

BASE COURSE / BINDER COURSE to Cl 906
60mm Dense Base Course Macadam
AC20 dense bin 100/150 to BS EN 13108-1

ROAD BASE / BASE LAYER to Cl 903
200 Dense Road Base Macadam
AC32 dense base 100/150 to BS EN 13108-1

SUB BASE to Cl 801 & 803
Granular sub-base material Type 1
(see table for thickness)

CAPPING LAYER TO Cl 613
Fill material class 6F2, 6F3 or 6F5 of table 6/1 (see table for thickness)

ROAD REINSTATEMENT CONSTRUCTION
NTS

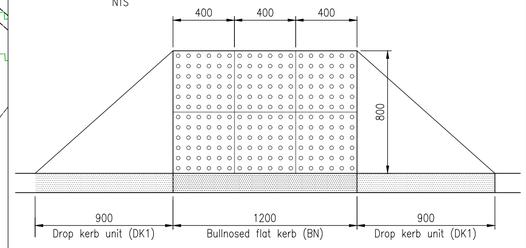
WEARING COURSE / SURFACE COURSE to Cl 909
25mm thick SMA 6 surf 100/150 to Table D1 of PD 6692:2007, appendix ⅄, or HRA 45/6 surf 160/220 propriety ,aterials as specified in Section 5.6. Min PSV 50 to BS EN 13108-1

BASE COURSE / BINDER COURSE to Cl 906
50mm Dense Base Course Macadam,
AC20 dense bin 160/220 to BS EN 13108-1

SUB-BASE
200 thick granular
material Type 1 to Cl 803

CAPPING LAYER TO Cl 613 (if required)
Fill material class 6F2 of table 6/1
(to coincide with carriageway capping layer)

FOOTPATH
NTS



TACTILE FOOTWAY SURFACE AT CROSSINGS
1:20

Notes

1 All dimensions are in millimetres

2 All Clause references are from the DTp Specification for Highway Works

3 All materials and workmanship to comply with Manual of Contract Documents for Highway Works Specification for Highway Works and Highway Construction Details (MCDHW) current at the time of construction unless amended by the Staffordshire Residential Design Guide and its associated technical appendices.

4 The CBR of the subgrade shall be measured, either in-situ to BS 1377: part 9, or in the laboratory to BS1377: part 4

5 In-situ tests and samples for laboratory testing shall be taken below any desiccated layers and at least 0.6m below ground level. Where ground levels are raised capping layer to be well compacted in 150mm layers, proof rolled at underside of sub base level and CBR measured as above.

6 Advice should be sought for CBR values below 1.6% for required construction thicknesses in existing ground.

7 Where sub-grade is found to be frost susceptible minimum total construction thickness to be 450mm

8 Max air voids 6%±3% for Binder and Base courses for carriageway construction. Tested in accordance with BS EN 12697-8: 2003

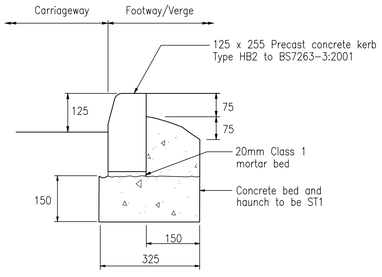
9 Maximum 40mm stone size for Sub-base

10 This drawing to be read in conjunction with all drawings listed on the drawing issue sheet

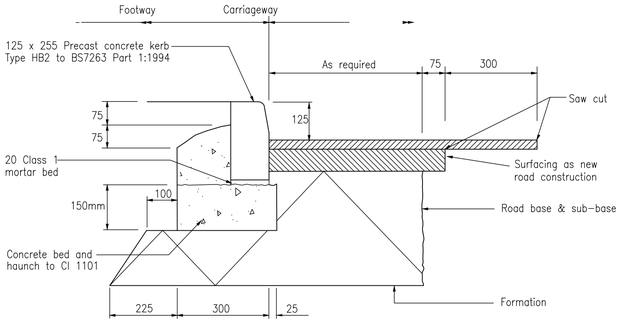
11 All final wearing courses must only be laid once construction operations on site have been completed.

Legend

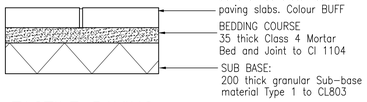
- HB2 — New Kerb – Half Battered
- BN — New Kerb – Bullnosed
- DK1 — New Drop Kerb – Single
- EF — New Edging Kerb
- New Footway Construction (Build Out)
- New Reinstatement Construction
- G1 — New Road Gully and Reference
- New Grassed Verge
- New Road Marking
- New Tactile Footway
- Existing surfacing to be cut back
- Existing kerbs to be removed



KERB TYPE HB2
1:10



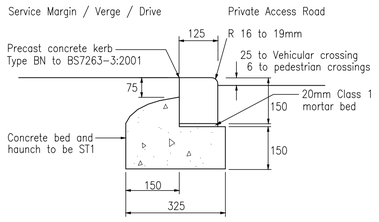
KERB TYPE HB2
(SHOWING TIE IN WORKS WITH EXISTING ROAD SURFACING)
Scale 1:10



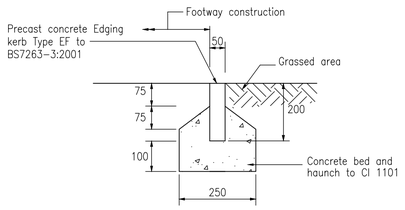
TACTILE PAVING CONSTRUCTION
Scale 1:10

CBR value of formation	Layer thickness
CBR 15% or greater	150mm sub-base
CBR 5% or less than 15%	225mm sub-base laid in 2 layers (max single layer thickness 125mm)
CBR 2% or less than 5%	150mm sub-base plus 350mm capping
CBR less than 2%	150mm sub-base plus 600mm capping

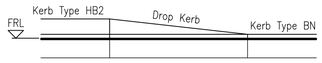
CAPPING LAYER AND SUB BASE THICKNESSES



FLAT KERB TYPE BN
Scale 1:10



EDGING KERB TYPE EF
Scale 1:10



DROP KERB DETAIL (DK1)
NTS

REV	DATE	NATURE OF REVISION	BY	CHECKED

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CLIENT: BERNEL LTD

PROJECT: DEVELOPMENT ON LAND AT SUGAR STREET, RUSHTON SPENCER

DRAWING: ROAD IMPROVEMENTS TO SITE ACCESS

SCALE	SIZE	DRAWN	CHKD	DATE	JOB	DRG	REV
1:100	A1	RWJR	DC	21.12.17	5307	201	-