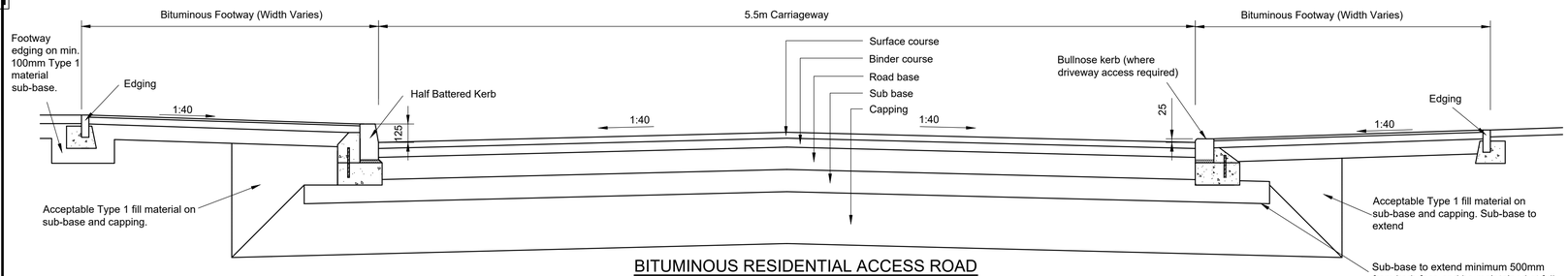
A1



BITUMINOUS RESIDENTIAL ACCESS ROAD CROSS SECTION

1:20

CARRIAGEWAY SPECIFICATION

	BITUMINOUS RESIDENTIAL STREET	BITUMINOUS RESIDENTIAL ACCESS ROAD	BLOCK PAVED RESIDENTIAL STREET	BLOCK PAVED RESIDENTIAL ACCESS ROAD
SURFACE COURSE	40mm AC 10 Close surf 100/150 MHA materials reference SC11	40mm AC 10 Dense bin 100/150 MHA materials reference SC11	80mm Concrete block paving in accordance with Code Practice BS6717: Part 3.	80mm Concrete block paving in accordance with Code Practice BS6717: Part 3.
BINDER COURSE	60mm AC 20 dense bin 100/150 rec MHA materials reference BC2	60mm AC 20 dense bin 100/150 rec MHA materials reference BC2	30mm Sharp Sand to BS EN 12620:2002 60mm AC 20 dense bin 100/150 rec MHA materials reference B1	30mm Sharp Sand to BS EN 12620:2002
ROAD BASE	150mm AC 32 base 40/60 rec MHA materials reference B1	110mm AC 32 base 40/60 rec MHA materials reference B1	100mm AC 32 base 40/60 rec MHA materials reference B1	110mm AC 20 dense bin 40/60 rec MHA materials reference B1
SUB BASE/CAPPING	SUB BASE - Type 1 material to clause 803 (thickness subject to insitu CBR results - see Figure 1) CAPPING - 6F2 material (thickness subject to insitu CBR results - see Figure 1)			

Notes.

Roads 1,2,3,6,8,10,12,14 - Residential Street

Roads 4,5,9,11,13 - Residential Access Road

FOOTWAY & VEHICULAR CROSSING SPECIFICATION

	RESIDENTIAL BITUMINOUS FOOTWAY /SERVICE MARGIN	VEHICULAR CROSSING (BITUMINOUS FOOTWAY)	BLOCK PAVED FOOTWAYS
SURFACE COURSE	AC 6 dense surf 100/150 (MHA material reference SC12) (BS EN 13108-1). 25mm thick	30mm AC 6 dense surf 100/150 (MHA material reference SC12) to BS EN 13108-1. Both laid and compacted to CI 901.	60mm Standard Block Paving to be laid @ 45° Grey/Charcoal colour. On 30mm Sharp Sand(compacted) to BS 882
BASE COURSE	AC20 dense bin 160/220 rec (MHA material reference BC3) to BS EN 13108-1. 90mm thick.	AC20 dense bin 150/220 rec (MHA material reference BC3) to BS EN 13108-1. (85mm thick)	90mm AC20 dense bin 150/220 rec (MHA material reference BC3) to BS EN 13108-1.
SUB BASE	225mm thick Granular Type 1 Sub base. -Sub base thickness to increase to 270mm if likely to be overun by lorries. and 365mm if CBR <2%	270mm thick Type 1 Sub-Base (365mm where CBR <2%)	225mm thick Granular Type 1 (365mm where CBR <2%)

C.B.R Value	Access Road 250mm (Bituminous layer thickness)		Access Way 200mm (Bituminous layer thickness)		Industrial Road 300mm (Bituminous layer thickness)	
	Capping	Sub base	Capping	Sub base	Capping	Sub base
<2%	550mm	200mm	500mm	250mm	600mm	150mm
2%	400mm	200mm	350mm	250mm	450mm	150mm
3%	300mm	200mm	250mm	250mm	350mm	150mm
4%	250mm	200mm	200mm	250mm	300mm	150mm
5%-15%	200mm	200mm	200mm	250mm	250mm	150mm
>15%		200mm		250mm		150mm

FIGURE 1 * Where CBR values exceed 15%, a minimum total construction thickness of 450mm is to be provided. Sub-base thickness to be increased as required.

GRASS VERGE SPECIFICATION

Appendix 30/5 Grass seeding, and turfing Weed treatment (6Cs Design Guide - Specification)

1. If seeding does not follow topsoiling the areas to be seeded must be kept weed free by herbicide treatment in accordance with Clause 8 of Appendix 30/2.

2. Grass seed shall be sown during the period 1st March to 31st May or 1st September to 31st October unless agreed otherwise.

3. A pre-seeding application of NPK fertiliser, ratio 2:3:2, at 100 g/m2 shall be applied 7-10 days before sowing and thoroughly worked into the upper 50mm of soil. If a period of 30 days or more elapses before seeding then all areas will require a second application of fertiliser.

4. The following mixture of seed shall be used to produce a low maintenance verge grass:-
30% Chewing Fescue
30% Slender Creeping Red Fescue
20% Smooth Stalked Meadow Grass
10% Hard Fescue
10% Browntop Bent

5. The seed shall comply with BS 4428.

6. The seed to be sown and raked in at a rate of 30g/m2.

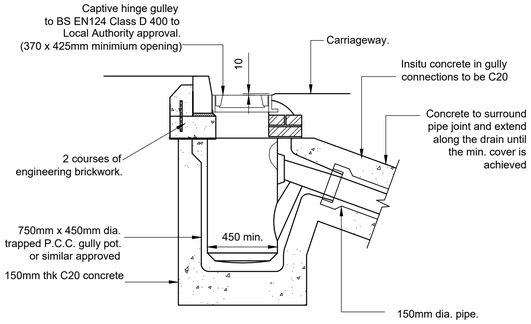
7. Where turf is to be used it shall contain the grass mixture stated in this appendix.

8. Turf shall be supplied to BS 3969 and shall be close textured with uniform density and colour and sufficient fibre to hold each turf together during handling, transportation and laying. All turves shall be weed and disease free and shall be supplied in a mown condition. They shall have an even thickness of 32mm and shall have been established on a stone free loam type soil.

9. Turves shall be laid flat with broken joints (stretcher bond) and shall be butted tightly up to adjoining turves/grass. Any local adjustments needed to produce a level surface shall be made by adding or removing soil below the turf. High spots shall not be eliminated by over compaction/treading. All turfing shall be carried out using planks to gain access to the working area thus protecting the prepared bed and newly laid turf.

10. Newly sown or turfed grass shall be watered as necessary and in accordance with Appendix 3/8 to ensure establishment. Any areas of sown or turfed grass that fail to establish shall be resown or returfed.

11. The seeding or turfing shall be repeated as necessary until an evenly distributed dense sward is established over the seeded or turfed area.



TYPICAL GULLY DETAIL

1:20

Note:
Precast concrete gullies to BS 5911
All parts and materials to include recognised kitemark where appropriate

UNTIL TECHNICAL APPROVAL HAS BEEN GRANTED BY THE RELEVANT LOCAL AUTHORITIES AND STATUTORY UNDERTAKER, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ARE ISSUED AS FOR APPROVAL AND NOT FOR CONSTRUCTION. ANY WORKS TO COMMENCE PRIOR TO APPROVAL BEING GIVEN, IS AT THE CLIENT'S RISK.

GENERAL NOTES

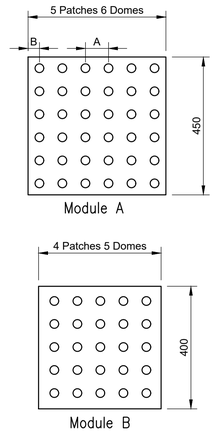
1. Do not scale this drawing. If in doubt, ask.

2. This drawing is to be read in conjunction with all other relevant Engineers, Architects and specialist design drawings and details.

3. All dimensions are in metres unless noted otherwise. All levels are in metres unless noted otherwise.

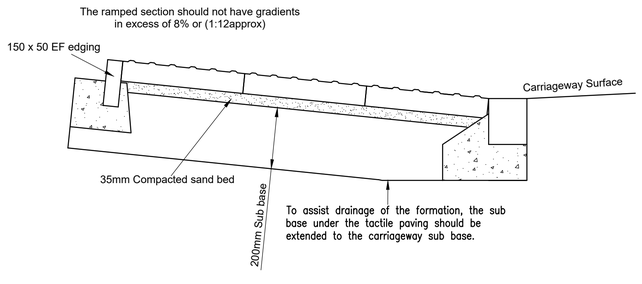
4. Any discrepancies noted on site are to be reported to the Engineer immediately.

5. All levels are subject to detailed design and may vary by +/-500mm

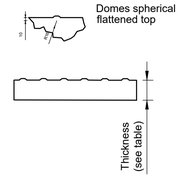


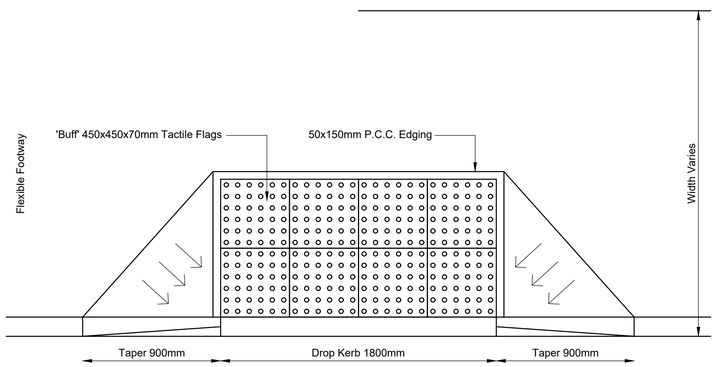
TACTILE BLISTER PAVING

Scale 1:10



Module type	size	Pitch +/- 2mm Dimention		Minimum Thickness
		A	B	
A	400sq	66.8	33	65
B	450sq	64	33	70

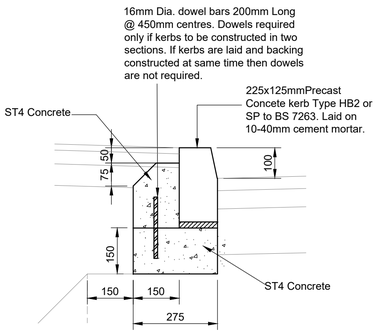




Note:
Maximum Gradient Across Tactile Paving 1:12
Minimum Tactile area 1800mmx900mm
Pedestrian Crossing
Dropped Kerb to have 0-6mm Kerb Face.

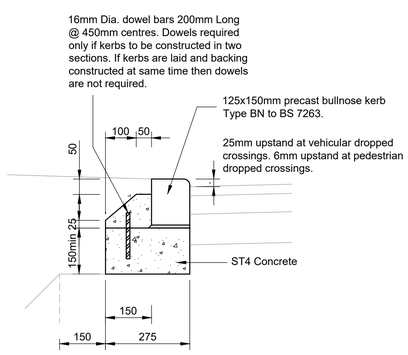
PEDESTRIAN TACTILE UNCONTROLLED CROSSING - 1.8m

Scale 1:20



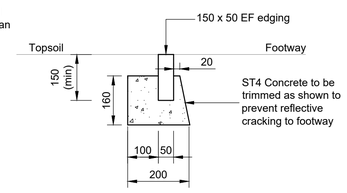
KERB TYPE HB2

1:10



DROPPED KERB - TYPE KS BULLNOSED

1:10



FOOTWAY / VERGE EDGING DETAIL

1:10

WARNING TO PURCHASERS. Property Misdescriptions Act 1991

Images and site layout are intended for illustrative purposes only and should be treated as general guidance only.

Final layout including parking arrangements, [social/ affordable housing, community buildings, play areas and open spaces] may change to reflect changes in the planning permission for the development. Please contact your solicitor to whom full details of any planning consents including layout plans will be available.

Boundaries and landscaping are not intended to form part of any contract or warranty unless specifically stated in writing into the contract.

Rev	Description	Initial	Date
A	Revised to suit NCC comments inc Tables	JZ	27.05.21
B	Revised to suit NCC comments	JZ	10.11.21
C	Revised to suit NCC comments - Road classification note added	JZ	08.12.21
D	Revised to suit NCC comments	JZ	04.01.22
E	Revised to suit NCC comments	JZ	05.01.22
F	Updated to status approved for use AFU	JZ	07.01.22

1:20 0.2 0.4 0.6 0.8 1.0 1.2 1.4

S38 STANDARD DETAILS SHEET 1

STONEBRIDGE

BARRATT HOMES | DAVID WILSON HOMES WHERE QUALITY LIVES

Drwg No.	H8064-316-01 Rev F		
Scale	1:20 @ A1	Date	12.02.21
Drawn by	MJA	Checked by	NMF

NORTH MIDLANDS
Design & Technical Department
2 Horizon Place - Nottingham Business Park
NOTTINGHAM NG8 6PY