

QUADRANT - FIG 14
QHB2 KERB

BUS KERB
See Note 18

DRAINAGE KERB

SAFETY KERB GST/2A

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Project

STANDARD DRAWINGS

Title

CONCRETE KERBS AND CHANNELS

Drawing Number
SD/1100/01

- Notes**
- All dimensions are in millimetres
 - All kerbs to BS 7263-1
 - All in situ concrete to foundation and haunch to be ST4 concrete
 - Kerb foundation to be laid on rolled sub-base of minimum thickness 100
 - The kerb bed and backing shall normally be laid in one operation
 - Where bed is laid in advance of kerbs 200 x 20 dia mild steel dowel bars will be required in backing at 450 centres and kerbs will be bedded on 10 mm mortar designation (1) S/W Series 2400
 - Dowel bars may be required in backing to standard kerbs in circumstances where the kerbs are vulnerable
 - 300 x 16 dia dowel bars of 450 centres must be used with Safety Kerbs unless the backing concrete is brought level with top of kerb
 - Kerbs shall be laid with dry joints and closely butted to adjacent kerbs and channels
 - Transition kerbs to be used at all changes in kerb face
 - Channel blocks to be used where gradient is flatter than 1:150
 - For radii of 12m or less kerbs and channels of the appropriate radius shall be used
 - For radii between 12m and 18m straight kerbs 600 long shall be used
 - Cutting of kerbs and channels shall be by approved mechanical means
 - The length of any kerb or channel shall not be less than 300
 - Where channel blocks are laid to false falls the kerb face must be 100 min - 150 max
 - All kerbing supporting verge areas shall be backed as shown for SP kerb
 - Kerb face of bus kerb to be 150 to allow for overhang of low rider buses

Do not scale this drawing

Rw	Date	Notes revised and updated	JW	Checked
A	07/06	Notes revised and updated	JW	

Drawing No.	Revision
SD/1100/01	A

Scale	NOT TO SCALE
Drawn	Checked
RW/JY	JW
Checked	Approved
JW	JR
Date	JULY 06

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Drawing Number
SD/1100/02

Notes

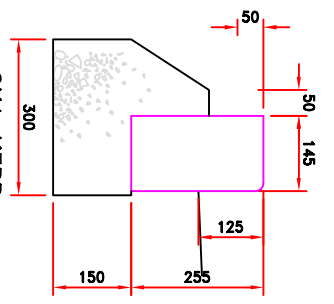
1. All dimensions are in millimetres
2. All in situ concrete to foundation and haunch to be ST4 concrete to BS 8500-1
3. Kerb foundation to be laid on rolled sub-base of minimum thickness 100
4. The kerb bed and backing shall normally be laid in one operation
5. Where bed is laid in advance of kerbs 200 x 20 dia mild steel dowel bars will be required in bedding at 450 centres and kerbs will be bedded on 10 mm mortar designation (i) SHW Series 2400
6. Where granite setts are used horizontal linking bars must be used between dowels
7. Kerbs shall be laid with dry joints and closely butted to adjacent kerbs and channels
8. Transition kerbs to be used at all changes in kerb face
9. Channel blocks to be used where gradient is flatter than 1:150
10. For radii of 12m or less kerbs and channels of the appropriate radius shall be used
11. For radii between 12m and 18m straight kerbs 600 long shall be used
12. Cutting of kerbs and channels shall be by approved mechanical means
13. The length of any kerb or channel shall not be less than 300
14. Where channel blocks are laid to false falls the kerb face must be 100 min – 150 max
15. Conservation kerbs shall be silver grey granite aggregate fine picked dressing A to BS EN 1342
16. Granite setts in paved areas shall be laid with staggered joints
17. Open joints between granite setts shall be pointed with mortar, designation (i) SHW Series 2400
18. Timber edging and pegs shall be pressure treated in accordance with SHW Clause 311. Timber pegs shall be 50x50x600 fixed at 900 centres. Double pegs to be used at joints. Znc. galvanised 68mm nails per peg

Do not scale this drawing

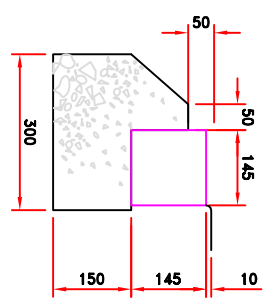
Rev	Date	Checked
B	07/06	JEX
A	03/05	JEX

Drawing No.	Revision
SD/1100/02	A
	B

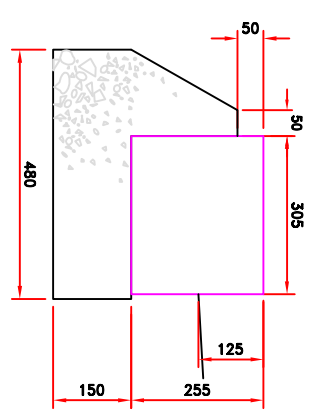
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Drawn	RWJY	Checked
Checked	JW	Approved
		JR
		DATE
		JULY 06



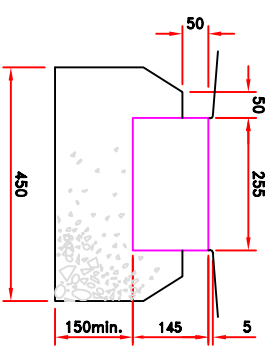
CK1 KERB
See Note 17



Centre Stone CK2 KERB
See Note 17

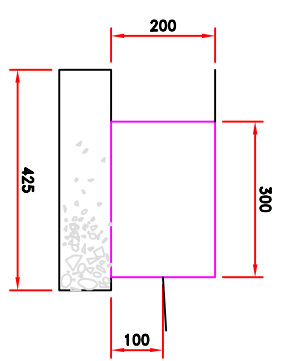


QUADRANT CK03 KERB

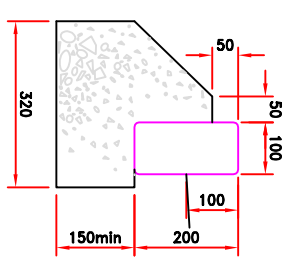


CHANNEL - CK4

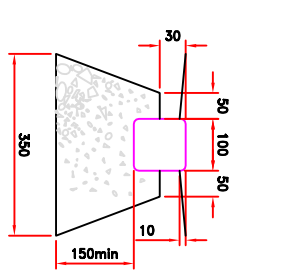
CONSERVATION KERBS



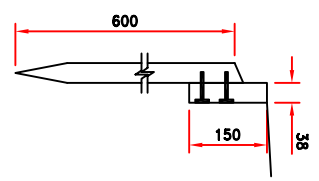
GRANITE KERB



GRANITE SETT DS2



GRANITE SETT - DS1 or COUNTRYSIDE KERB



TIMBER EDGING TE1
See Note 18

GRANITE SETTS

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Project
STANDARD DRAWINGS

KERBS, CHANNELS AND EDGING
Conservation and Rural Areas

Title

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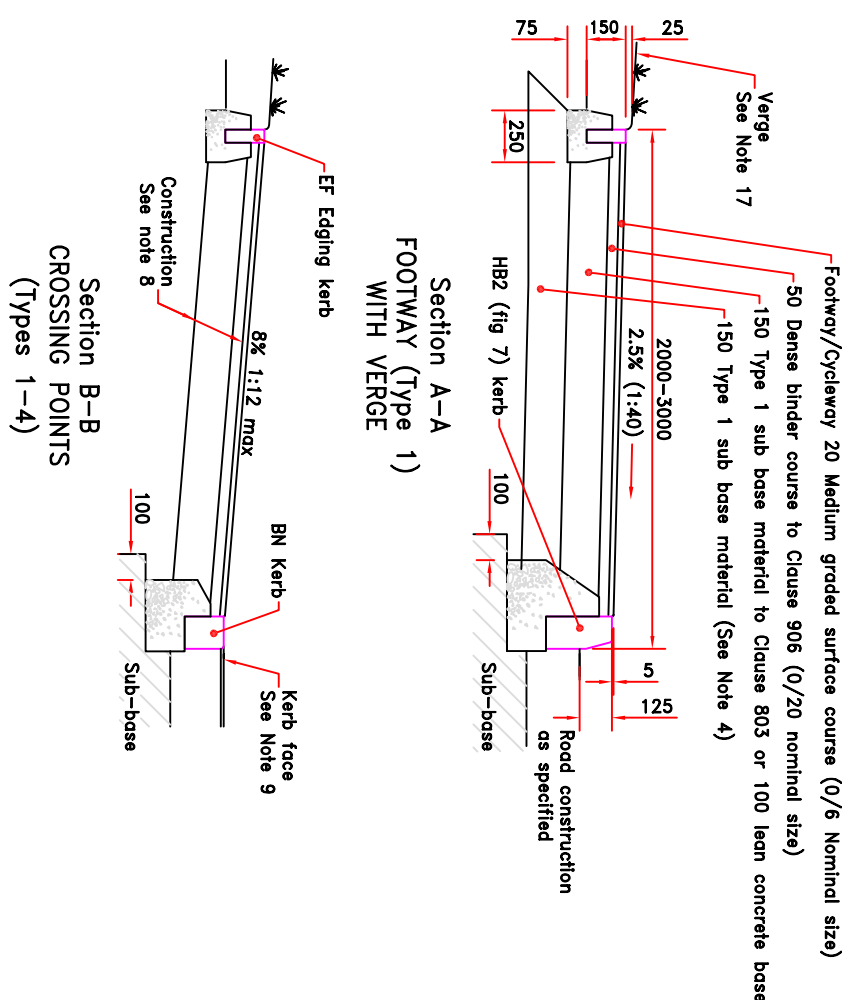
Drawing Number
SD/1100/03

Vehicular Crossover Constructions

Domestic Vehicular Crossover (Type 2)
20 Medium graded surface course (0/6 nominal size) 60 Dense macadam binder course (0/20 nominal size) to Clause 906 SHW 150 Type 1 sub-base material to Clause 803 SHW

Heavy Duty Crossover (Type 3)
20 Medium graded surface course (0/6 nominal size) 70 Dense heavy duty and high modulus macadam binder course (0/20 nominal size) to Clause 906 SHW 100 Dense heavy duty and high modulus macadam base (0/32 nominal size) to Clause 903 SHW 150 Type 1 sub-base material to Clause 803 SHW

Heavy Duty Crossover (Type 4)
20 Medium graded surface course (0/6 nominal size) 70 Dense heavy duty and high modulus macadam binder course (0/20 nominal size) to Clause 906 SHW 100 Dense heavy duty and high modulus macadam base (0/32 nominal size) to Clause 903 SHW OR 150 CBM3 concrete to Clause 1038 SHW 150 Type 1 sub-base material to clause 803 SHW



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Project
STANDARD DRAWINGS

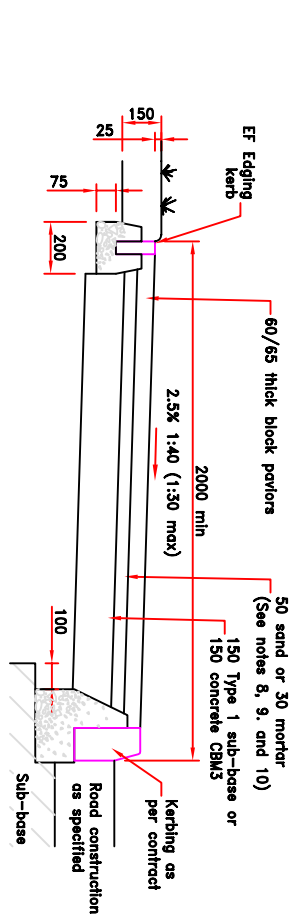
Title
FOOTWAYS, CYCLEWAYS AND
VEHICULAR CROSSOVERS
Flexible Construction

- Notes**
- All dimensions are in millimetres.
 - For tactile paving layouts see SD/1100/8.
 - Footways and verges shall be 2000 wide except where otherwise approved. Cycleways and shared facilities shall be 3000 wide. A 2000 wide verge must be provided behind footways and cycleways on embankments.
 - An additional 150 of Type 1 material to be laid if footway or cycleway is on embankment.
 - Footway and highway verges shall normally fall at 1:40, (1:50 max) towards the highway.
 - Construction thickness shall be increased at vehicular crossing points (see tables) and where vehicle damage is likely.
 - Kerbing details to be as shown on drawings SD/1100/1 and 2 except where modified by this drawing.
 - Crossing points shall be constructed as shown in section B-B. Construction thickness shall be increased at vehicular crossing points, see Tables
- | | |
|--|----------------------------|
| Kerb faces | Tolerance |
| Pedestrian 10
Tactile paved 0
Vehicular 20 | + or -6
+ 6
+ or - 6 |
- Minimum number of bullressed kerbs at crossing points shall be:
Pedestrian 2
Vehicular 4
 - Taper kerbs are required at changes in kerb face at crossing points.
 - Edging kerbs shall be provided on all free edges of paved areas not confined by a kerb or boundary wall.
 - Vertical alignment of back edging shall be maintained at crossing points and the crossing graded from edging to carriageway level.
 - Macadam shall comply with BS 4987-1. Sub-base shall be D.O.T Type 1 material.
 - For block paved construction see SD/1100/4.
 - All soft spots and organic material must be removed before construction.
 - Formation to be sprayed with approved non-toxic weedkiller.
 - Verge areas shall have a 150 covering of topsoil spread 25 above top of kerb or edging to allow for settlement and shall be seeded in accordance with the Specification
 - Existing verges adjacent to new kerbing must be regraded and seeded.
- Do not scale this drawing**

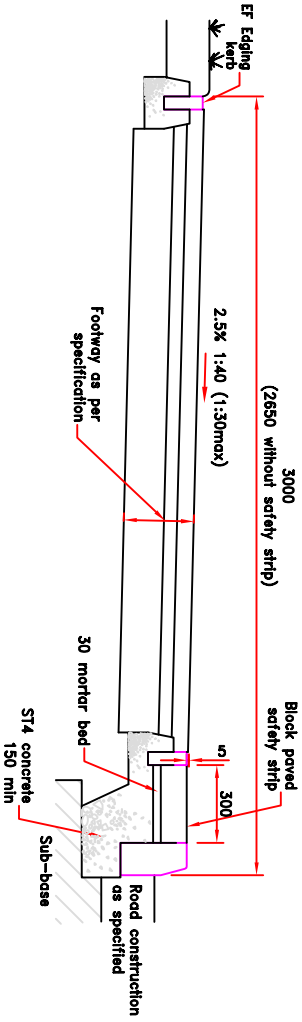
Rev	Date	Notes revised and updated	Checked
A	07/06		JW

Drawing No.	Revision
SD/1100/03	A
Scale	Date
NOT TO SCALE	JULY 06
Drawn	Checked
RWJY	JW
Approved	JR

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Section A-A
FOOTWAY – Block Paving



Section B-B
Showing Block Paved Edge Strip – Type 9

CONSTRUCTION TYPE	Blocks	Sand Bed	Type 1 Sub-base
TYPE 5	60	50	150
TYPE 6	65	50	150
	Blocks	Mortar	CBM3
TYPE 7	60	30	150
TYPE 8	65	30	150

Drawing Number
SD/1100/04

- Notes**
- All dimensions are in millimetres.
 - This drawing shall be read in conjunction with SD/1100/12.3.
 - Block pavers shall comply with BS EN 1338.
 - Clay pavers are not permitted.
 - 60 or 65 thick blocks shall only be used in areas not subjected to vehicular traffic elsewhere the blocks shall be 80 thick.
 - Block pavers shall be laid in square herringbone pattern for footways and 45° herringbone pattern in areas subjected to vehicular traffic.
 - The blocks shall be laid in accordance with the recommendations in BS 7533-3.
 - Sharp sand bedding shall comply with BS EN 12620 grading C or M.
 - In areas where the blocks may be trafficked sand must be substituted by 30 mortar to designation (i) or (ii) laid on CBM3 concrete.
 - All mortar pointing shall be colour matched to the blocks or flags.
 - Mortar pigments shall comply with BS EN 197-1.
 - Sanded joints shall be sealed down with a stabilising compound.
 - Crossing kerbs shall be flush with the carriageway where tactile flags are used. Maximum tolerance +6.
 - Care must be taken to ensure adequate drainage when the crossing kerb is flush with the carriageway.

Do not scale this drawing

Rw	Date	Notes revised & updated	Checked
A	07/06	Notes revised & updated	JW

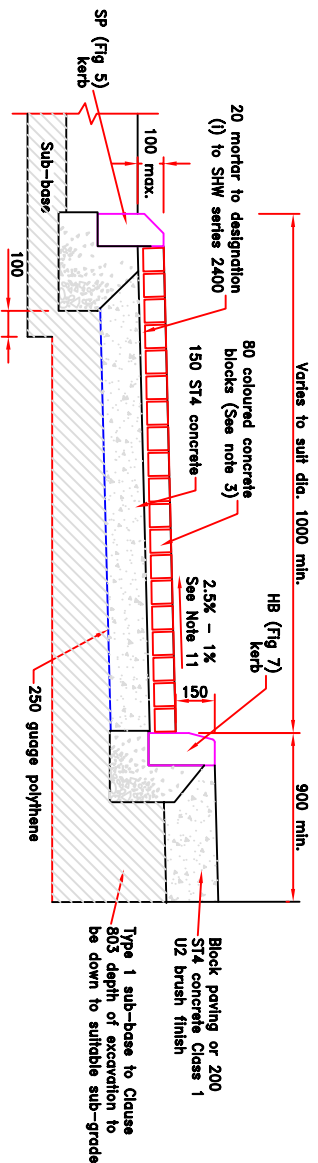
Drawing No.	SD/1100/04	Revision	A
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Drawn	RWJY	Checked	JW
		Approved	JR

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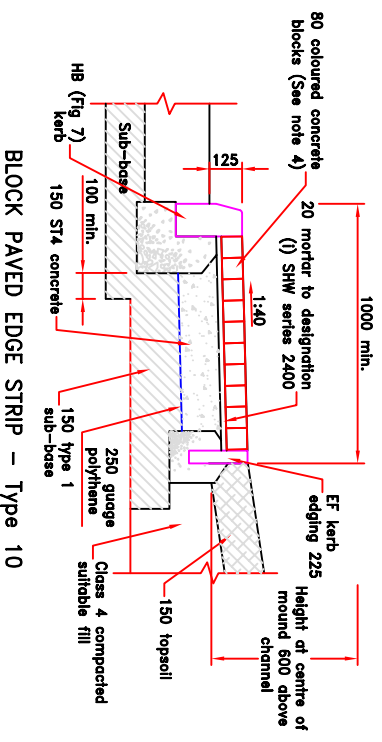
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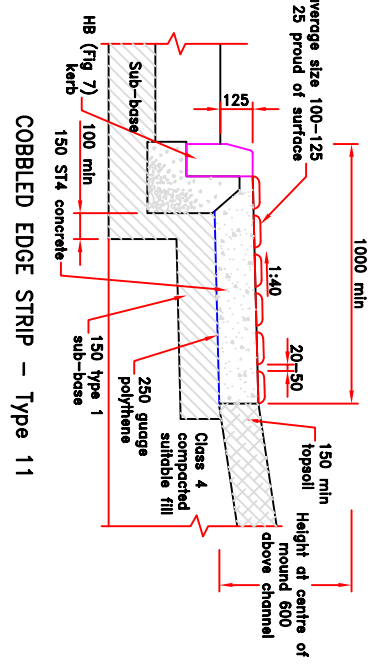
Project: STANDARD DRAWINGS
Title: FOOTWAYS AND CYCLEWAYS
Concrete Block Pavers



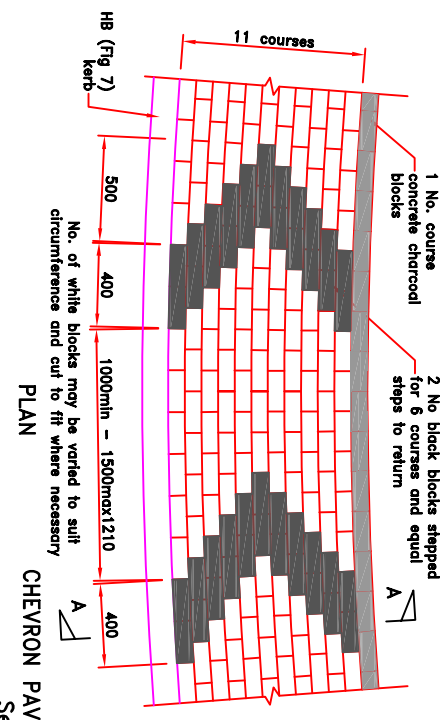
OVER-RUNNABLE STRIP FOR ISLANDS IN SMALL ROUNDABOUTS – Type 10



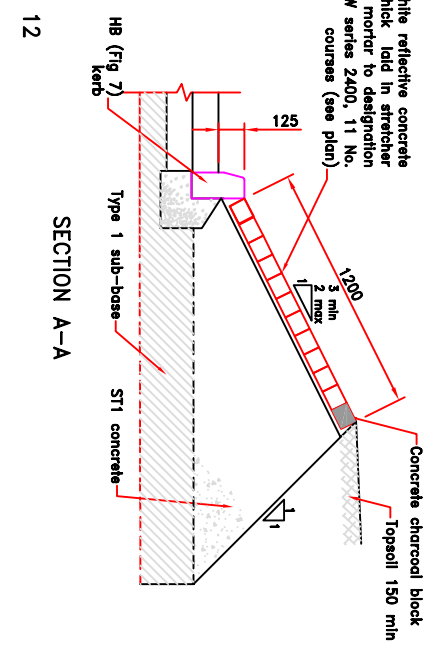
BLOCK PAVED EDGE STRIP – Type 10



COBBLED EDGE STRIP – Type 11



CHEVRON PAVING DETAIL – Type 12



SECTION A-A

- Drawing Number**
SD/1100/05
- Notes**
- All dimensions are in millimetres
 - This drawing shall be read in conjunction with Drg. No. SD/1100/1.
 - All concrete blocks must comply with BS EN 1338 and BS 6877.
 - The colour of concrete blocks must be approved by the engineer. Red preferred for edge strips.
 - Block paving to be laid in stretcher bond.
 - Width of paved edge strip may be increased to suit other design considerations.
 - Concrete pavements to be constructed in 5000 boys with flexcell joints.
 - Topsoil shall be seeded in accordance with the Specification.
 - Island design must be approved by the Engineer.
 - Chevron paving may only be used with the approval of the Engineer.
 - Gradient dependant on design.
 - Chevron pattern to Dwgform 515.2 TSRGD 2002.

Do not scale this drawing

Rev	Date	Notes revised and updated	Checked
A	07/06	Notes revised and updated	JW

Drawing No.
SD/1100/05

Revision	Date	Checked
A	JULY 06	JR

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The Royal Borough
Maldenhead
Windsor &
Maldenhead

Project
STANDARD DRAWINGS

Title
ROUNDABOUT CENTRAL ISLAND
HARD LANDSCAPING

Scale NOT TO SCALE
Drawn RMWJ Checked JW Approved JR

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Drawing Number
SD/1100/06

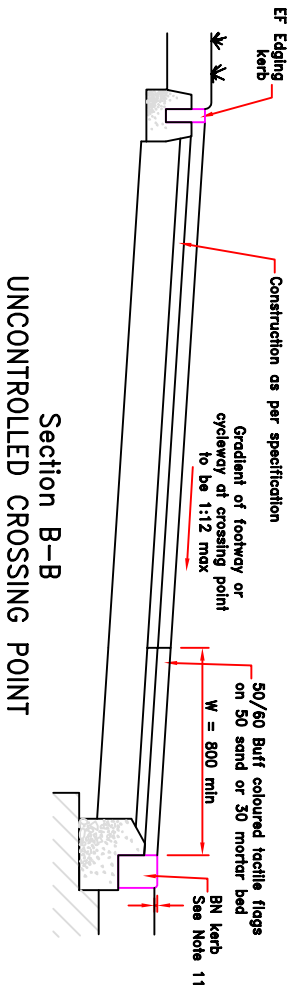
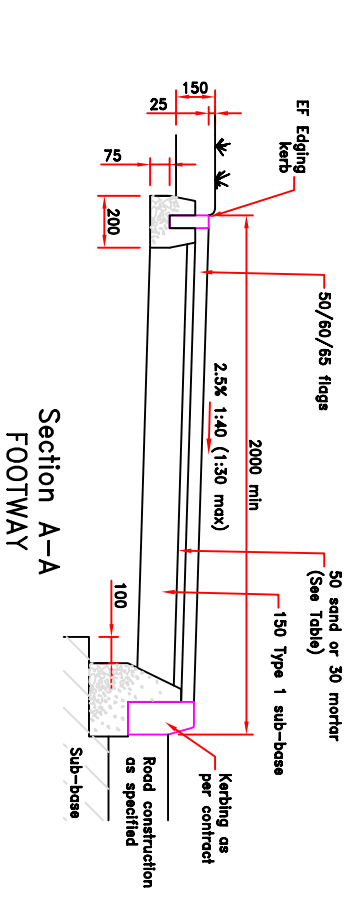
- Notes**
- All dimensions are in millimetres.
 - This drawing shall be read in conjunction with SD/1100/12.3.
 - Precast concrete flags shall be 400 x 400 and shall comply with BS 7263-1.
 - The blocks shall be laid in accordance with the recommendations in BS 7533-5.
 - The laying arrangement of tactile flags shall be in accordance with Guidance on the use of Tactile Surfaces, DfT.
 - In areas where the flags may be trafficked, or narrow strips of paving are used as a feature, the sand must be substituted by 30 mortar to designation (ii) or (iii) laid on CMBS concrete.
 - Mortar shall be designation (ii) or (iii). Clause 2404 SHW.
 - All mortar pointing shall be colour matched to the flags.
 - Mortar pigments shall comply with BS EN 197-1.
 - Sanded joints shall be sealed down with a stabilising compound.
 - Red tactile paving flags extending to the back of footway shall be laid at all controlled pedestrian crossing points.
 - Crossing kerbs shall be flush with the carriageway where tactile flags are used. Maximum tolerance +6.
 - Care must be taken to ensure adequate drainage when the crossing kerb is flush with the carriageway.

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Rev	Date	Notes revised and updated	Checked
A	07/06	Notes revised and updated	JW

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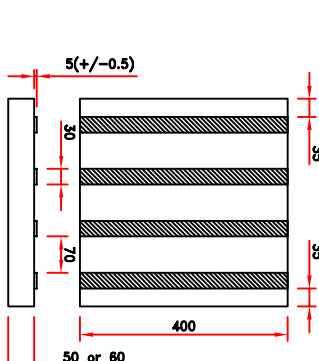
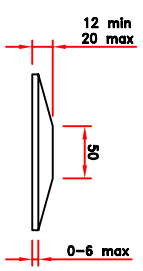
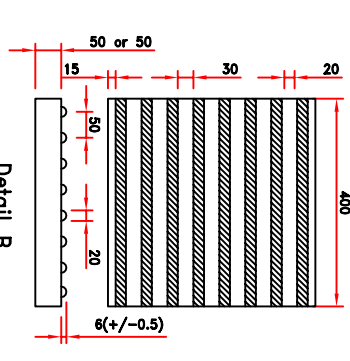
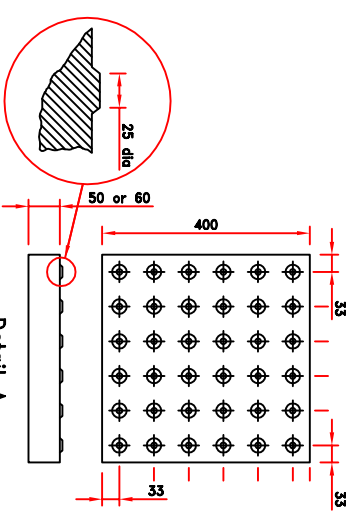
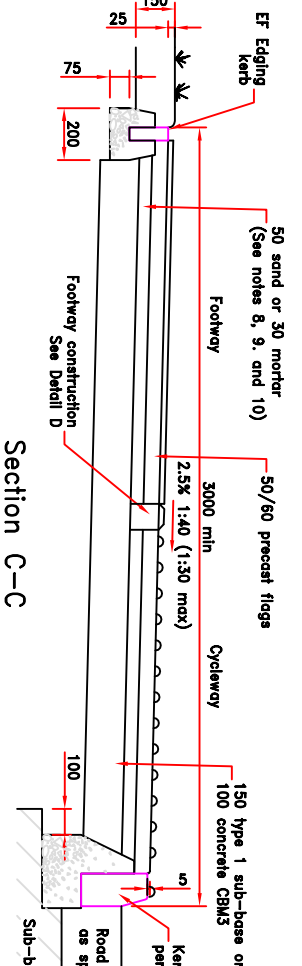
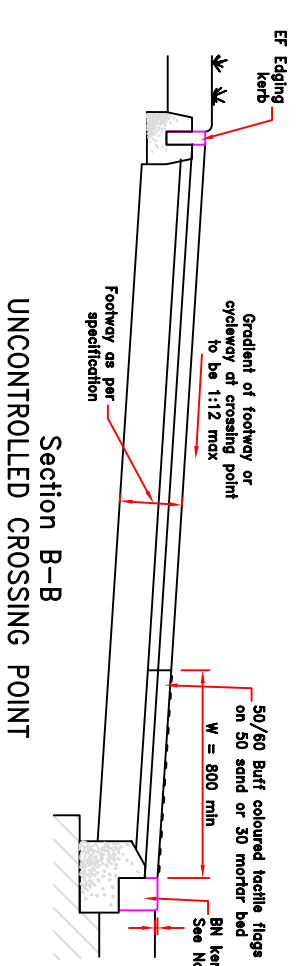


CONSTRUCTION TYPE	CONSTRUCTION	Mortar Bed	Sub-base	CONSTRUCTION THICKNESS
TYPE 13	Precast Concrete Flags	50	Type 1 Sub-base	150
TYPE 14	Artificial Stone Paving	60	30	150
TYPE 17	Artificial Stone Paving	65	Type 1 Sub-base	150

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Project: STANDARD DRAWINGS
Title: FOOTWAYS AND PAVED AREAS
Precast Concrete Flags And Stone Paving



CONSTRUCTION TYPE	CONSTRUCTION THICKNESS		
Tactile Paving Slabs		Sand Bed	Type 1 Sub-base
TYPE 15	50	50	150
TYPE 16	60	50	150

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Project: STANDARD DRAWINGS
Title: FOOTWAYS AND CYCLEWAYS CONCRETE TACTILE FLAGS

Drawing Number
SD/1100/07

- Notes
- All dimensions are in millimetres.
 - This drawing shall be read in conjunction with SD/1100/12.3.
 - Precast concrete flags shall be 400 x 400 and shall comply with BS 7203.
 - The laying arrangement of tactile flags shall be in accordance with guidance on the use of tactile Paving Surfacing DETN.
 - Tramline pattern flags shall be orientated according to use.
 - In areas where the flags may be trafficked, or narrow strips of paving are used as a feature, the sand must be substituted by 30 mortar to designation (ii) or (iii) laid on CBMS concrete.
 - Mortar shall be designation (ii) or (iii). Clause 2404 SHW.
 - All mortar pointing shall be colour matched to the flags.
 - Mortar pigments shall comply with BS 1014.
 - Sanded joints shall be sealed down with a stabilising compound.
 - Red tactile paving flags extending to the back of footway shall be laid at all controlled pedestrian crossing points.
 - Crossing kerbs shall be flush with the carriageway where tactile flags are used. Maximum tolerance +6.
 - Care must be taken to ensure adequate drainage when the crossing kerb is flush with the carriageway.

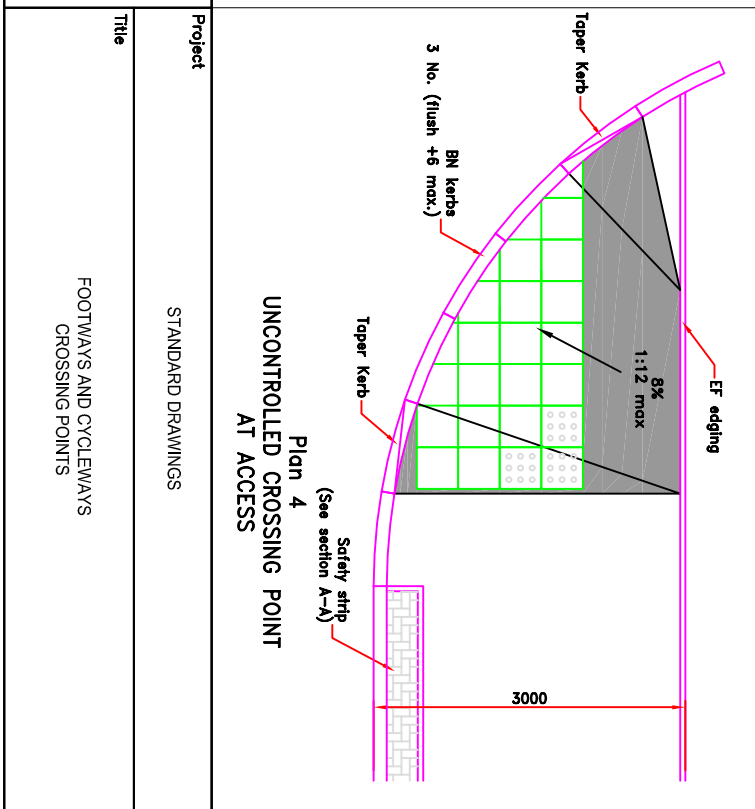
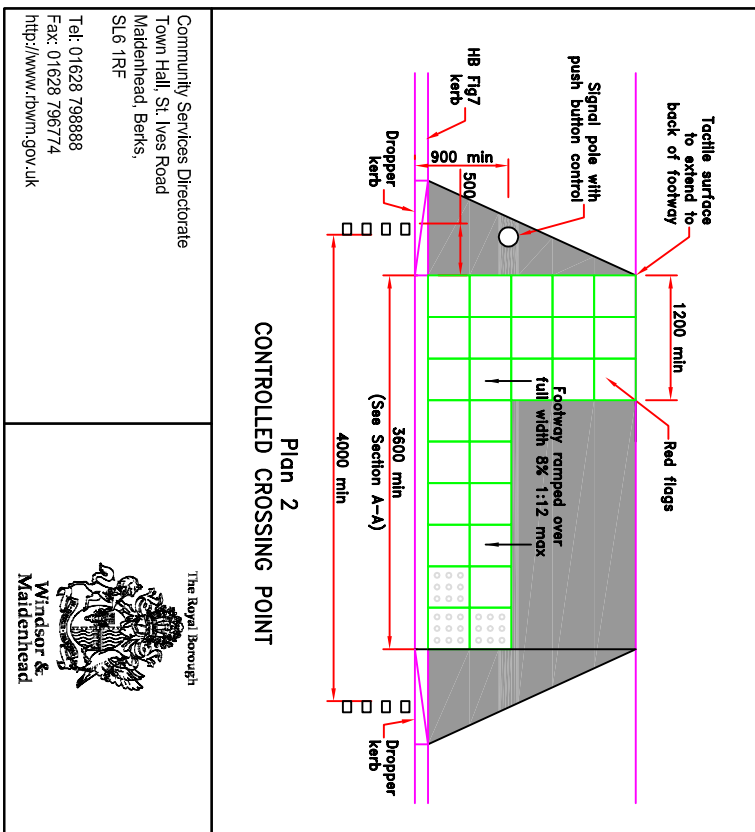
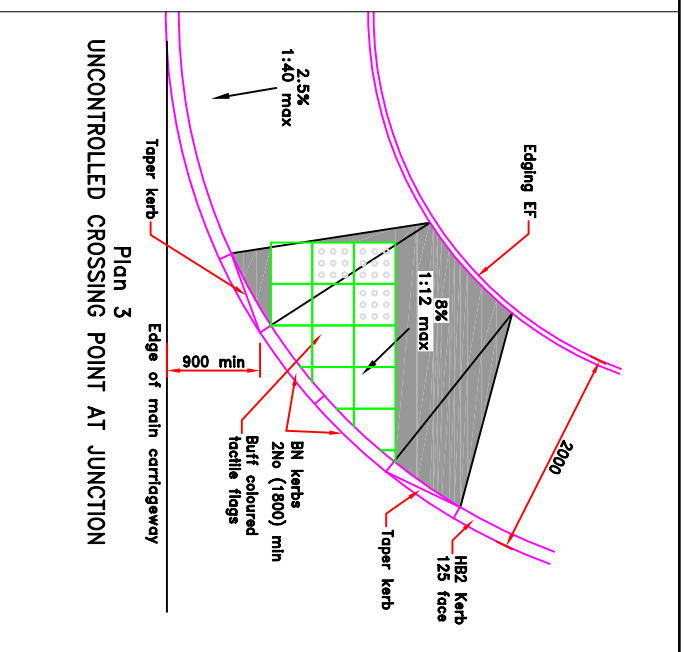
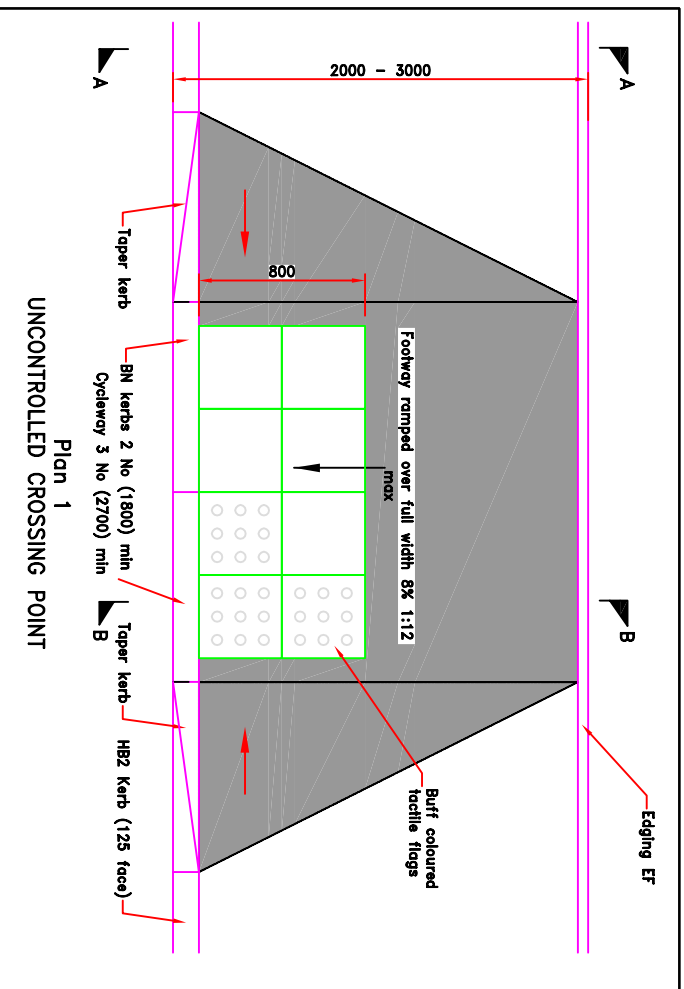
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Rev	Date	Notes revised and updated	Checked
A	07/06	Notes revised and updated	JW

Drawing No.
SD/1100/07

Scale NOT TO SCALE	Revision
Drawn/RW/JY	A
Checked/JW	
Approved/RJ	
	Date JULY 06

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Drawing Number
SD/1100/08

- Notes
- All dimensions are in millimetres.
 - All kerbs to BS 7263-1.
 - Kerbing details to be as shown on drawing SD/1100/1 except where modified by this drawing.
 - Tactile paving shall be laid in accordance with the Guidance on the use of Tactile Surfaces DfT1.
 - Construction shall be as shown on SD/1100/3. For block paving and flag construction details see SD/1100/4.
 - Crossing points shall be constructed as shown in Section B-B on Drawing SD/1100/3. Construction thickness shall be increased at vehicular crossing points, see tables Kerb Faces shall be 0 tolerance +6
 - Minimum number of bullnosed kerbs at crossing points shall be 2.
 - Dropper kerbs are required at changes in kerb face at crossing points.
 - Edging kerbs shall be provided on all free edges of paved areas not confined by a kerb or boundary wall.
 - Footway and highway verges shall normally fall at 1:40 towards the highway.
 - Vertical alignment of back edging shall be maintained at crossing points and the crossing graded from edging to carriageway level.
 - Mechanisms shall comply with BS 4987-1, Sub-base shall be D.O.T Type 1 material.

Do not scale this drawing

Rev	Date	Notes revised and updated	Checked
A	07/06	Notes revised and updated	JW

Drawing No.
SD/1100/08

Scale NOT TO SCALE	Checked JW	Date JULY 06	Approved JR

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Project
STANDARD DRAWINGS

Title
FOOTWAYS AND CYCLEWAYS
CROSSING POINTS