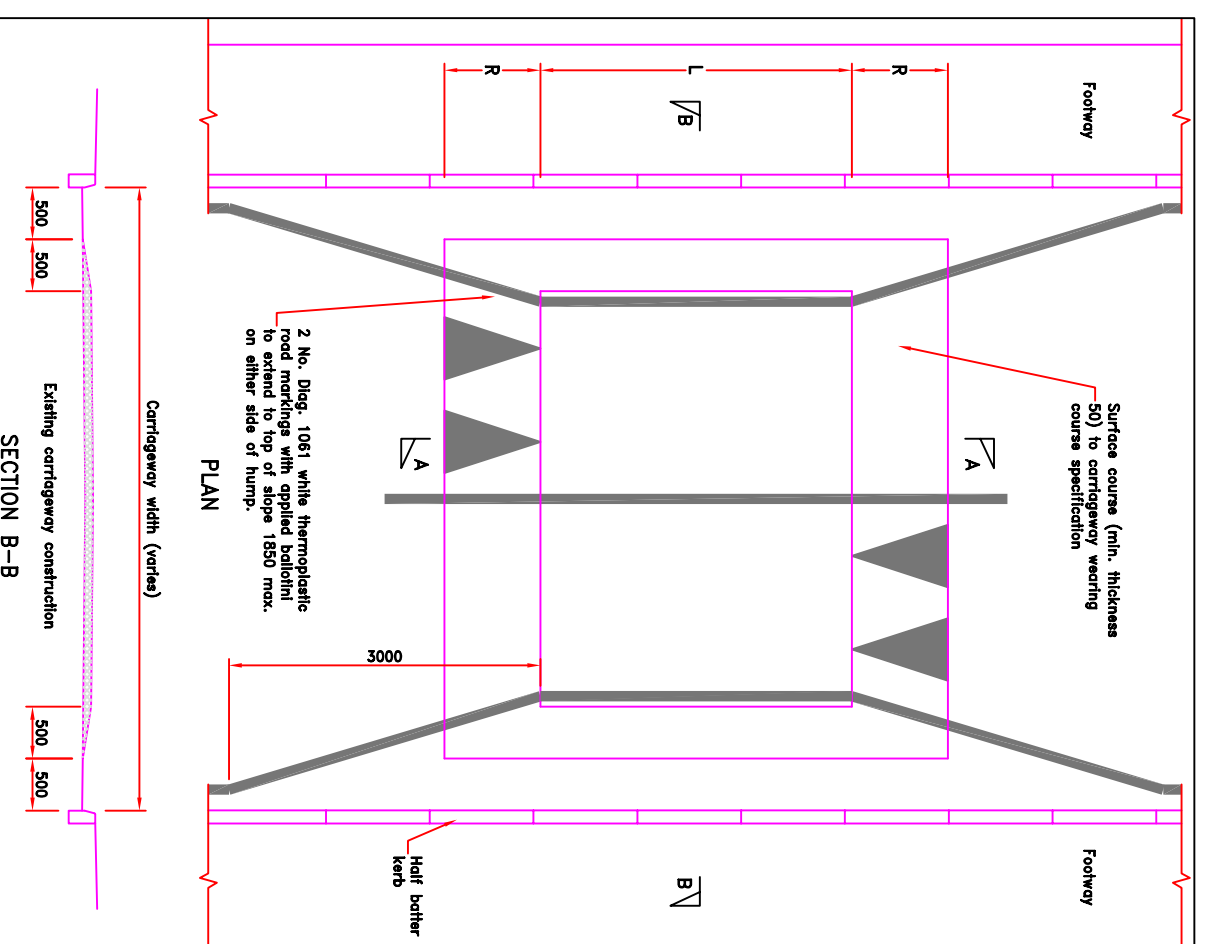
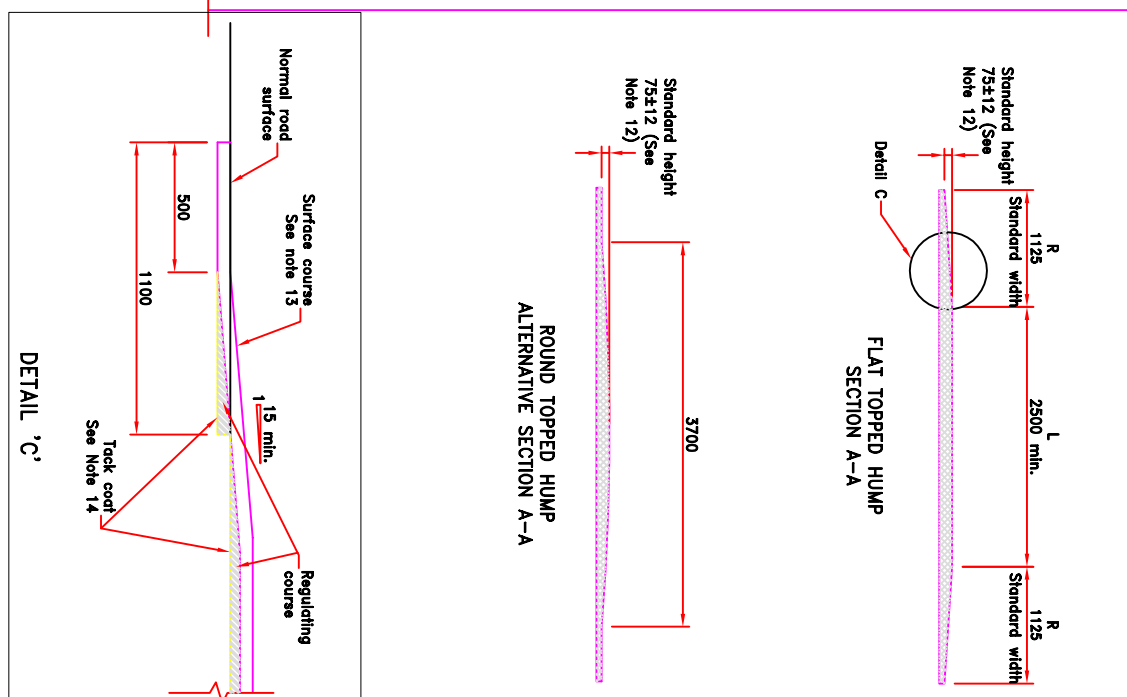


Drawing Number
SD/700/01

- Notes
- All dimensions are in millimetres
 - Position of humps to comply with the Highways (Road Humps) Regulations 1999.
 - Position of humps and gullies to be approved by the Engineer prior to construction.
 - Length of hump to be determined by the overall road layout.
 - Minimum length of round top hump shall be 3700.
 - Minimum length of plateau of flat topped hump 'L' shall be 2500.
 - On bus routes 'L' shall be 6000 min.
 - If installed at pedestrian crossing points humps must be kerb to kerb.
 - For kerb and footway details see SD/1100/1 and 2.
 - Continuous edge of carriageway lines 100 wide are required on both sides of the carriageway and must extend for 6000 either side of hump.
 - Centre line markings to Diag. 1004, 9000 module, 100 wide, are required, 6000 mark to be centred over hump.
 - Height of ramp to be approved. May vary between 50 and 100 according to situation.
 - Surface course to be High Stone Content Asphalt to BS 594-1 Tables 3 and 4, Designation 55% 0/10 Binder Grade 40/60 per Bitumen, Marshall Stability 4 to 8, Max Flow 5mm Min P₅₀=60 Max AAN=12.
 - Tack coat K1-40 or K1-60 to BS 434-1 to be used over whole area of hump prior to surfacing.



SECTION B-B

DETAIL 'C'

Community Services Directorate
Town Hall, St. Ives Road
Maldenhead, Berks,
SL6 1RF

The Royal Borough
Windsor &
Maldenhead

Client

Project
STANDARD DRAWINGS

Tel: 01628 798888
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http://www.rbwm.gov.uk



Title

ROAD HUMP
TAPERED SIDES
Flexible Construction

Do not scale this drawing

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

Drawing No.	SD/700/01	Revision	A
Scale	NOT TO SCALE	Date	JUL 06
Drawn	RWJY	Checked	RB
		Approved	JR

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Drawing Number
SD/700/02

- Notes
- All dimensions are in millimetres
 - Position of humps to comply with the Highways (Road Humps) Regulations 1999.
 - Position of humps and gullies to be approved by the Engineer prior to construction.
 - Length of hump to be determined by the overall road layout.
 - Minimum length of round top hump shall be 3700.
 - Minimum length of plateau of flat topped hump 'L' shall be 2500.
 - On bus routes 'L' shall be 6000 min.
 - Where humps are installed at pedestrian crossing points 'L' shall be 3000 min.
 - For kerb and footway details see SD/1100/1 and 2.
 - Gullies to be installed where hump impedes the flow in the channel.
 - Continuous edge of carriageway lines 100 wide are required on both sides of the carriageway and must extend for 6000 either side of hump.
 - Centre line markings to Diag. 1004, 9000 module, 100 wide, are required, 6000 mark to be centred over hump.
 - Height of ramp to be approved. May vary between 50 and 100 according to situation.
 - Tactile slabs to be laid in accordance with the Guidance on the use of Tactile Faving Surfaces. DETR.
 - Surface course to be High Stone Content Asphalt to BS 594-1 Tables 3 and 4, Designation 55% 0/10 Binder Grade 40/60 per Bitumen, Moisture Stability 4 to 8, Max Flow 5mm Min FSV=60 Max AAV=12.
 - Tack coat K1-40 or K1-60 to BS 434-1 to be used over whole area of hump prior to surfacing.

Do not scale this drawing

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

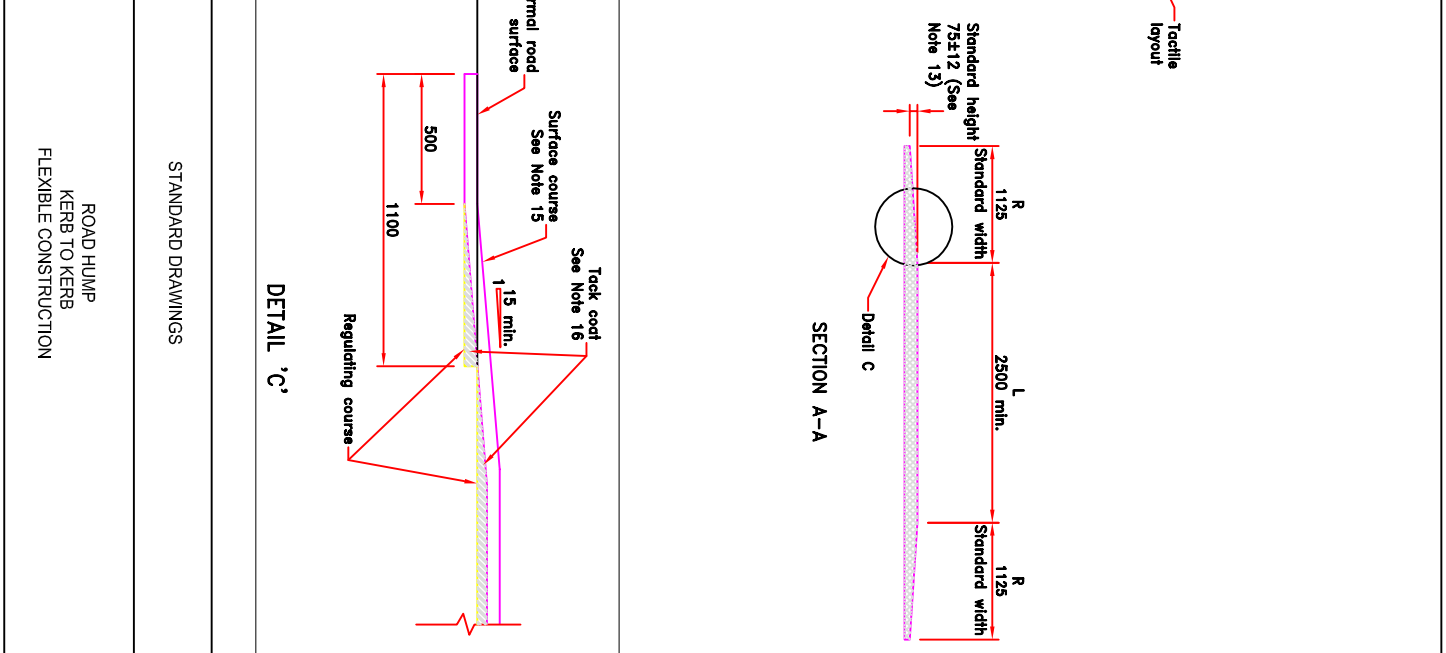
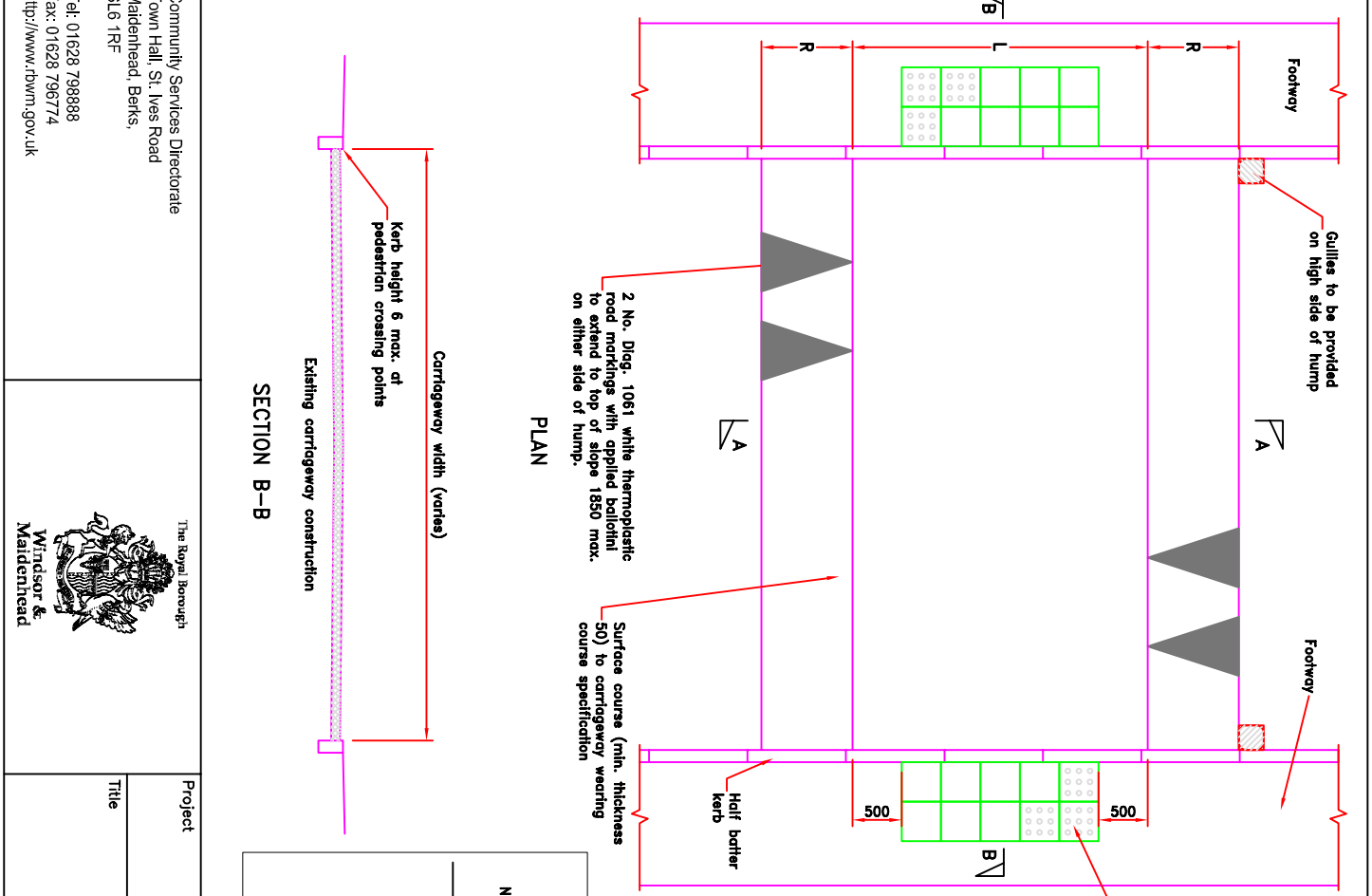
Drawing No.
SD/700/02

Drawn	Checked	Approved
RWJY	RB	JR

Scale NOT TO SCALE

Date JUL 06

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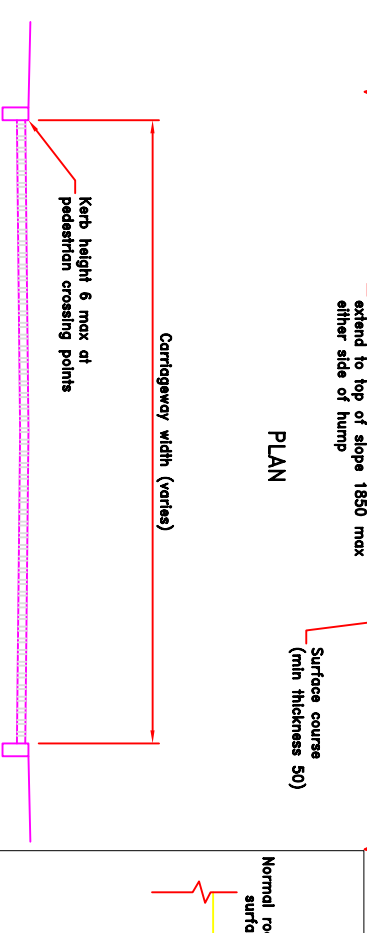
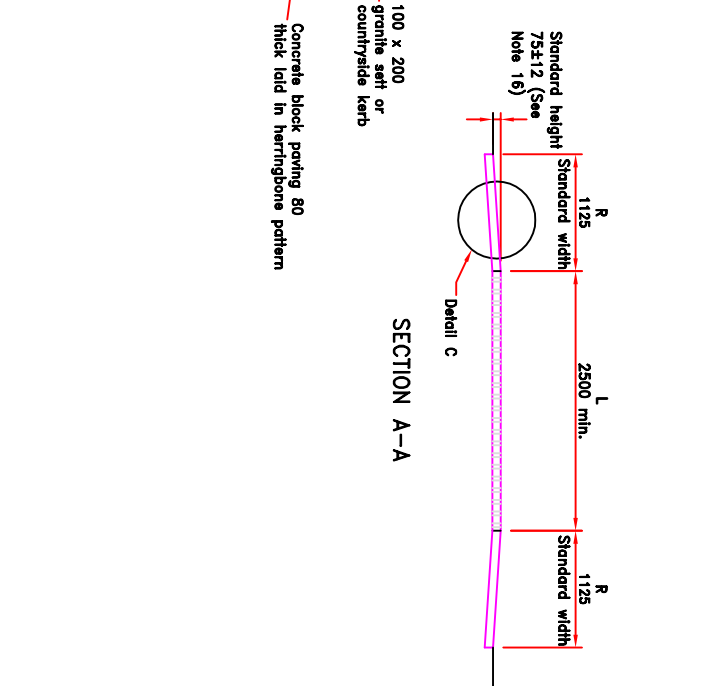
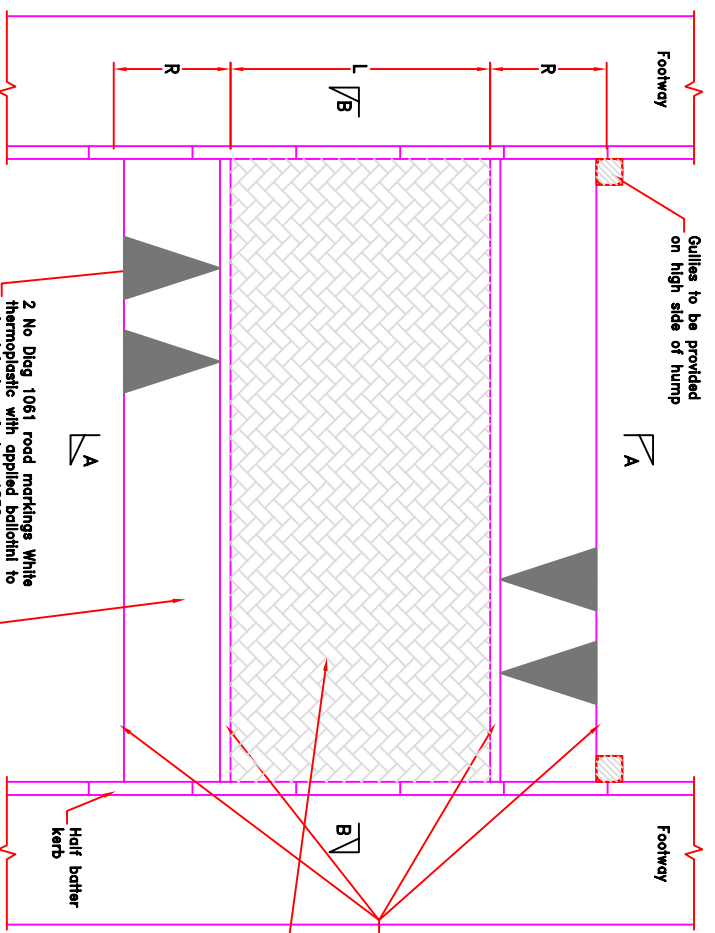
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The Royal Borough
Windsor &
Maldenhead

Project
STANDARD DRAWINGS

Title
ROAD HUMP
KERB TO KERB
FLEXIBLE CONSTRUCTION



SECTION B-B

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The Royal Borough
Windsor & Maidenhead

Project: STANDARD DRAWINGS
Title: ROAD HUMPS
BLOCK PAVING CONSTRUCTION

Drawing Number
SD/700/03

- Notes
- All dimensions are in millimetres
 - Position of humps to comply with the Highways (Road Humps) Regulations 1999.
 - Position of humps and gullies to be approved by the Engineer prior to construction.
 - Length of hump to be determined by the overall road layout.
 - Minimum length of plateau of hump shall be 2500.
 - On bus routes 'L' shall be 6000 min.
 - Where humps are installed at pedestrian crossing points 'L' shall be 3000 min.
 - For kerb and footway details see SD/1100/1 and 3.
 - Gullies to be installed where hump impedes the flow in the channel.
 - Block paving must comply with BS 6717 Parts 1 and 3 and BS EN 1344.
 - Block paving shall be 80 thick laid in 45° herringbone pattern with Bishops Hot edge blocks and sealed with the manufacturers recommended sand.
 - Blocks may be grey, buff, red or brindle.
 - The sanded joints should be sealed with a stabilising compound.
 - Continuous edge of carriageway lines 100 wide are required on both sides of the carriageway and must extend for 6000 either side of hump.
 - Centre line markings to Diag. 1004, 9000 module, 100 wide, are required, 6000 mark to be centred over hump.
 - Height of ramp to be approved. May vary between 50 and 100 according to situation.
 - Kerb Detail C may be omitted with the approval of the Engineer. Wearing course joint to be 300 min. before toe of ramp.
 - Surface course to be High Stone Content Asphalt to BS 594-1 Tables 3 and 4, Designation 55% 0/10 Binder Grade 40/60 pen. Bitumen, Marshall Stability 4 to 8, Max Flow Strm Min FSN=60 Max ANV=12.
 - Tack coat KI-40 or KI-60 to BS 434-1 to be used over whole area of hump prior to surfacing.

Do not scale this drawing

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

Drawing No.	Revision
SD/700/03	A
Scale NOT TO SCALE	Date JUL 06
Drawn RWJY	Checked RB
	Approved JR

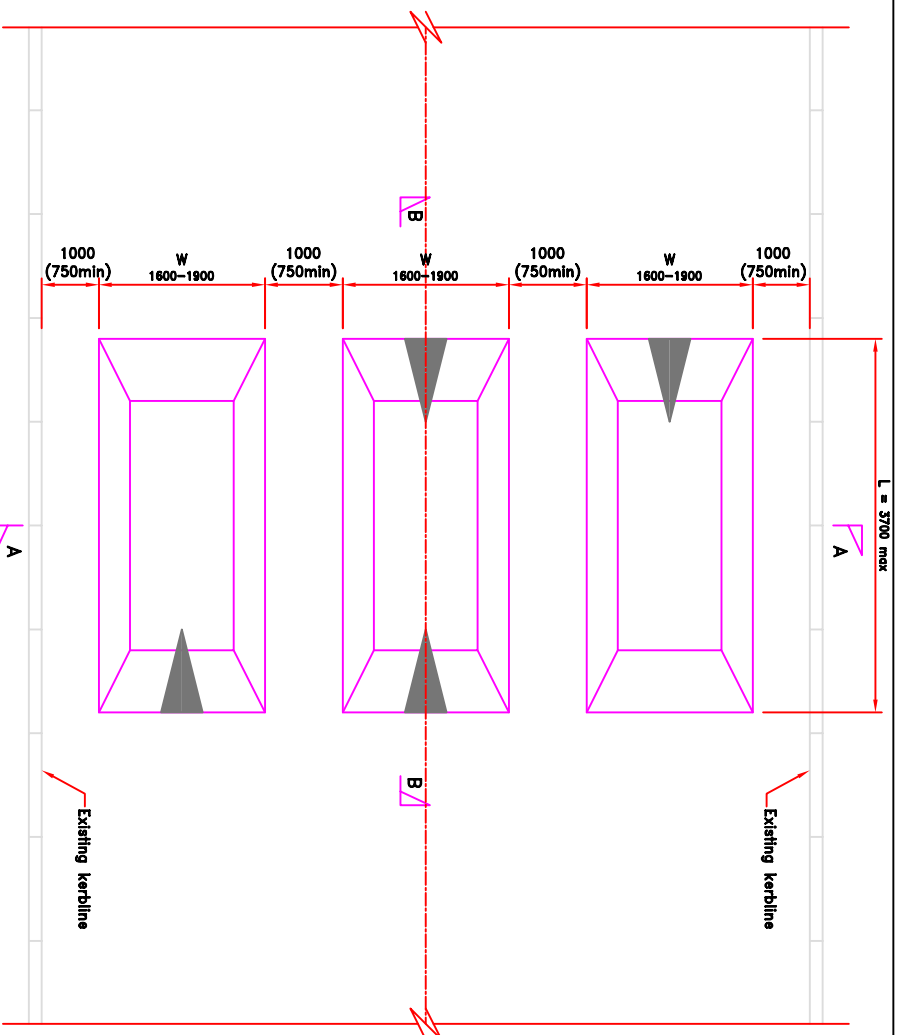
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Drawing Number
SD/700/04

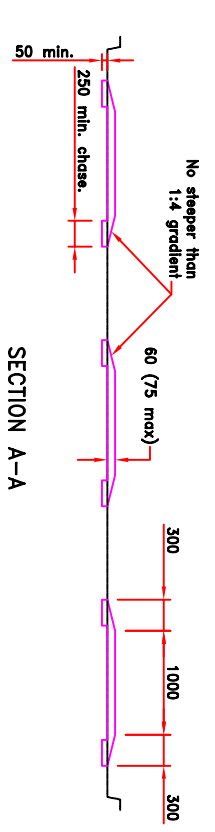
Notes

1. All dimensions are in millimetres
2. Position of speed cushions to comply with the Highways (Road Humps) Regulations 1999.
3. Number of speed cushions at any location will depend on the width of the carriageway. Normally 2.
4. Speed cushions should not be positioned alongside gullies.
5. Surface course to be High Stone Content Asphalt to BS 594-1 Tables 3 and 4. Destination 55% 0/10 Binder Grade 40/60 pen bitumen, Marshall Stability 4 to 6, Max Flow 5mm Min FSV=60 Max AA=12.
6. Write triangular solid road markings to Diag.1062 to be centred over speed cushion in the approach direction of the traffic.
7. Tack coat K1-40 or K1-60 to BS 434-1 to be used over whole area of hump prior to surfacing.

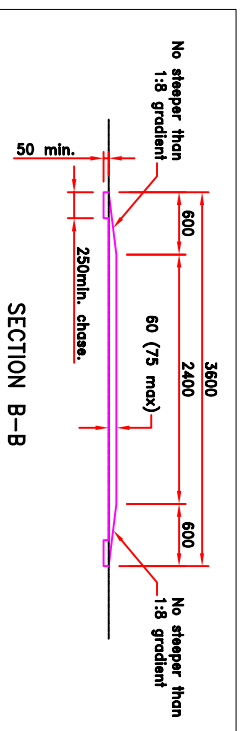
Length L	
Maximum	3700
Routes with mini buses	3500
Other routes	2000-3000



PLAN
See Note 3



SECTION A-A



SECTION B-B

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Project
STANDARD DRAWINGS

Title
SPEED CUSHIONS

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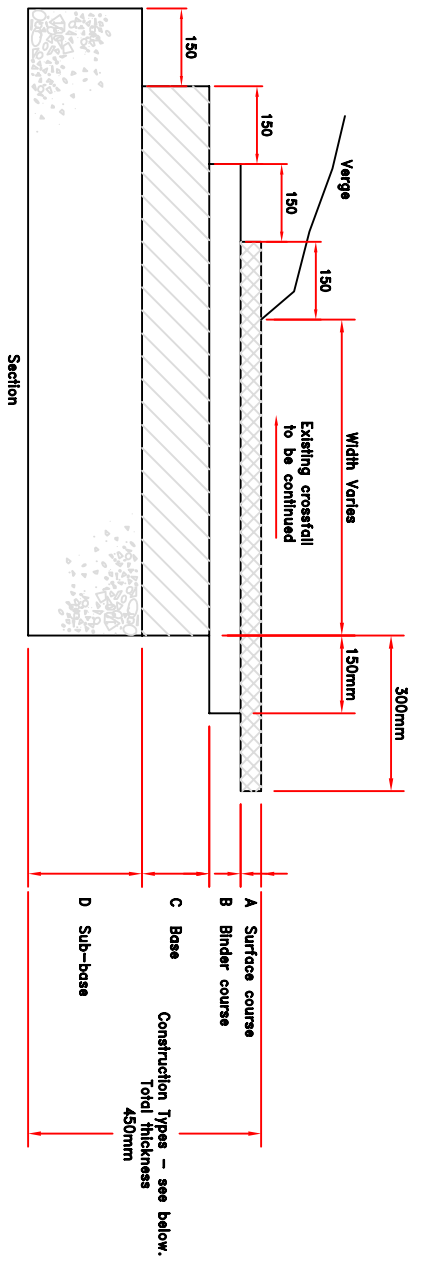
Rev	Date	Notes revised and updated	Checked
A	07/06	Notes revised and updated	RB

Drawing No.	SD/700/04	Revision	A
Scale NOT TO SCALE		Date	JUL 06
Drawn RWJY	Checked RB	Approved	JR

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Drawing Number
SD/700/05

- Notes
1. Construction to be to the approval of the Overseasing Organisation.
 2. Hot Rolled Asphalt to be BS 594.
 3. Cooled macadam to BS 4987.



- CONSTRUCTION TYPE 1
- 25mm Dense bitumen macadam surface course (0/6mm size aggregate)
 - 70mm Dense bitumen macadam binder course (0/20mm size aggregate)
 - 100mm Dense bitumen macadam base (0/32mm size aggregate)
 - 250mm Granular sub-base material Type 1

- CONSTRUCTION TYPE 2
- 30mm Close graded bitumen macadam surface course (0/10mm size aggregate)
 - 70mm Dense bitumen macadam binder course (0/20mm size aggregate)
 - 130mm Dense bitumen macadam base (0/32mm size aggregate)
 - 220mm Granular sub-base material Type 1

- CONSTRUCTION TYPE 3
- 40mm Rolled asphalt surface course with 14/20mm pre-coated chippings
 - 60mm Dense bitumen macadam binder course (0/20mm size aggregate)
 - 130mm Dense bitumen macadam base (0/32mm size aggregate)
 - 220mm Granular sub-base material Type 1

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

Drawing No.
SD/700/05

Revision	Date	Approved
A	JUL 06	JR

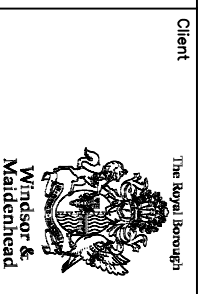
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RWJY	RB	RB	JR

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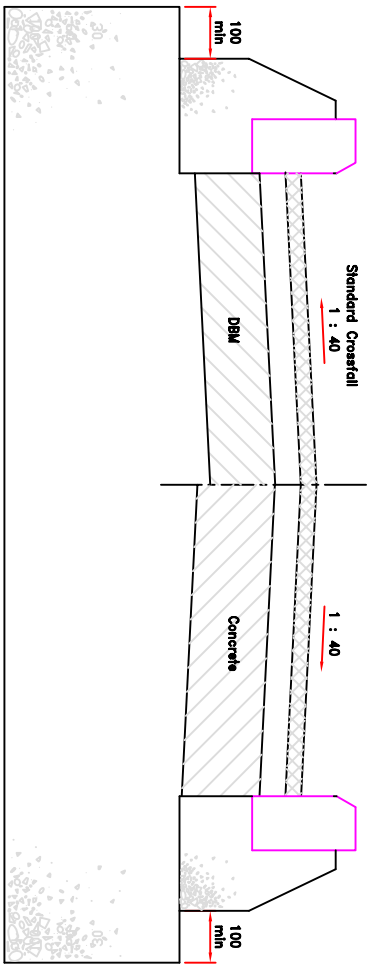
Client

Project
STANDARD DRAWINGS

Title
CARRIAGEWAY HAUNCHING

Drawing Number
SD/700/06

- Notes**
1. These construction thicknesses may only be used where flows less than 1m/sd are anticipated.
 2. Construction must be to the approval of the Engineer.



Construction to be to the approval of the Engineer

- TYPE 1**
- A 30mm Dense bitumen macadam surface course (6mm nominal size aggregate)
 - B 60mm Dense bitumen macadam binder course (20mm nominal size aggregate)
 - C 100mm Dense bitumen macadam base (40mm nominal size aggregate)
 - D 260mm Granular sub-base material Type 1
- TYPE 2**
- A 30mm Close graded bitumen macadam surface course (10mm nominal size aggregate)
 - B 60mm Dense bitumen macadam binder course (20mm nominal size aggregate)
 - C 130mm Dense bitumen macadam base (40mm nominal size aggregate)
 - D 220mm Granular sub-base material Type 1
- TYPE 3**
- A 80mm Block pavers laid in herringbone pattern
 - B 30mm Mortar bed
 - C 100mm Dense bitumen macadam base
 - D or 150mm or 190mm Granular sub-base material Type 1
 - or 140mm Granular sub-base material Type 1

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

Drawing No. SD/700/06		Revision	
A			

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Approved	JR		

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Client The Royal Borough of Windsor & Maidenhead

Project STANDARD DRAWINGS

Title PAVEMENT CONSTRUCTION THICKNESS
Minor access roads, Accessways, Mews courts
and housing squares (less than 1m/sd)