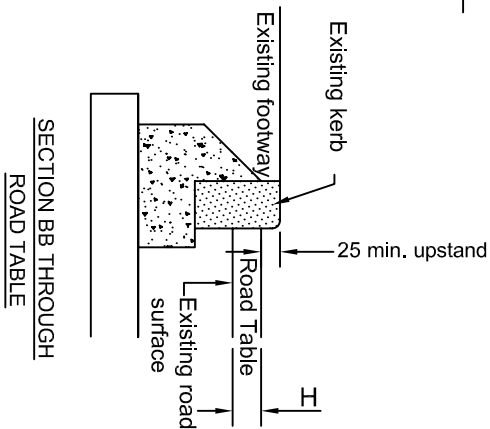
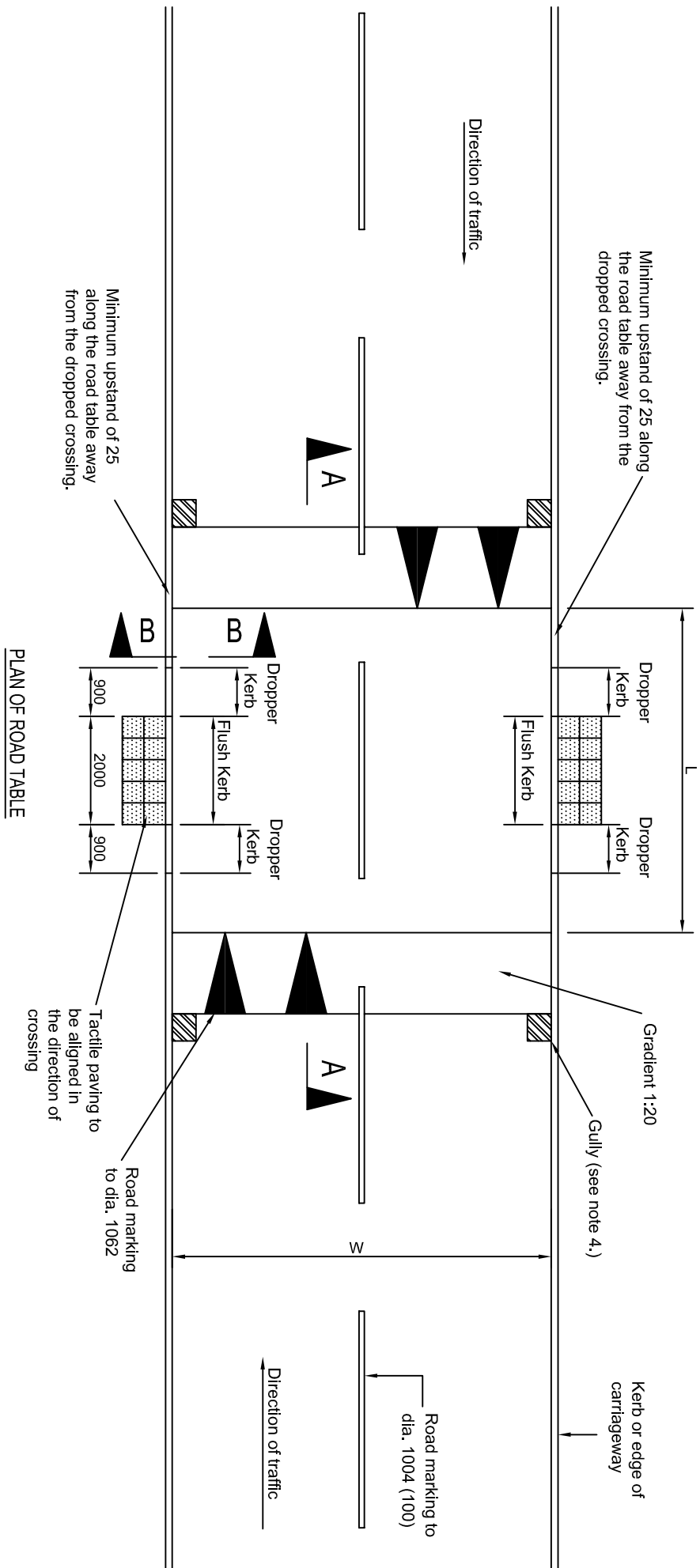


SECTION AA THROUGH ROAD TABLE



SECTION BB THROUGH ROAD TABLE




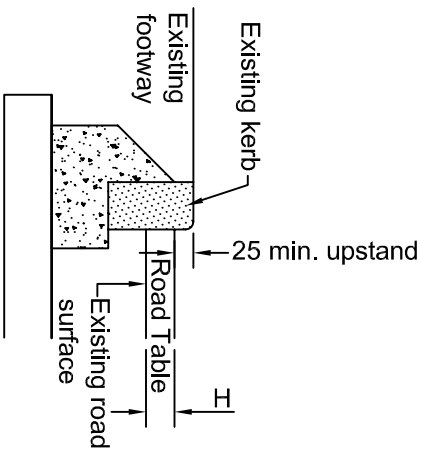
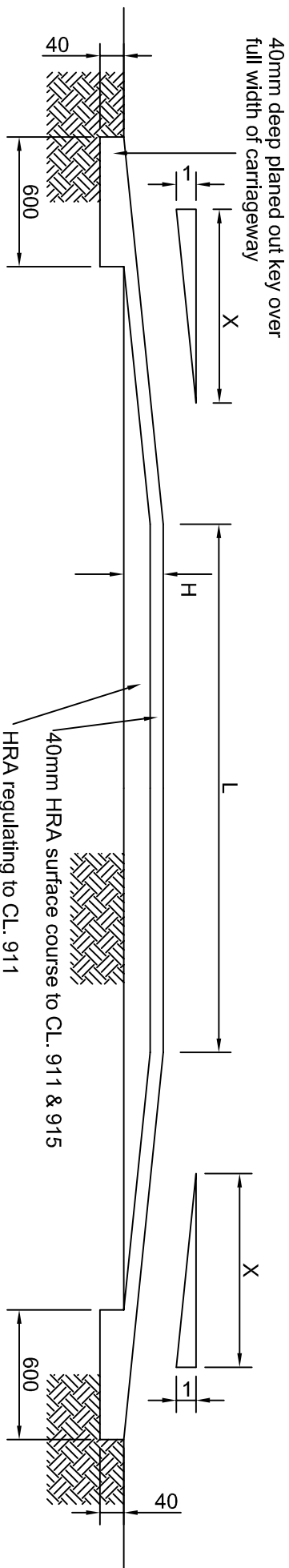
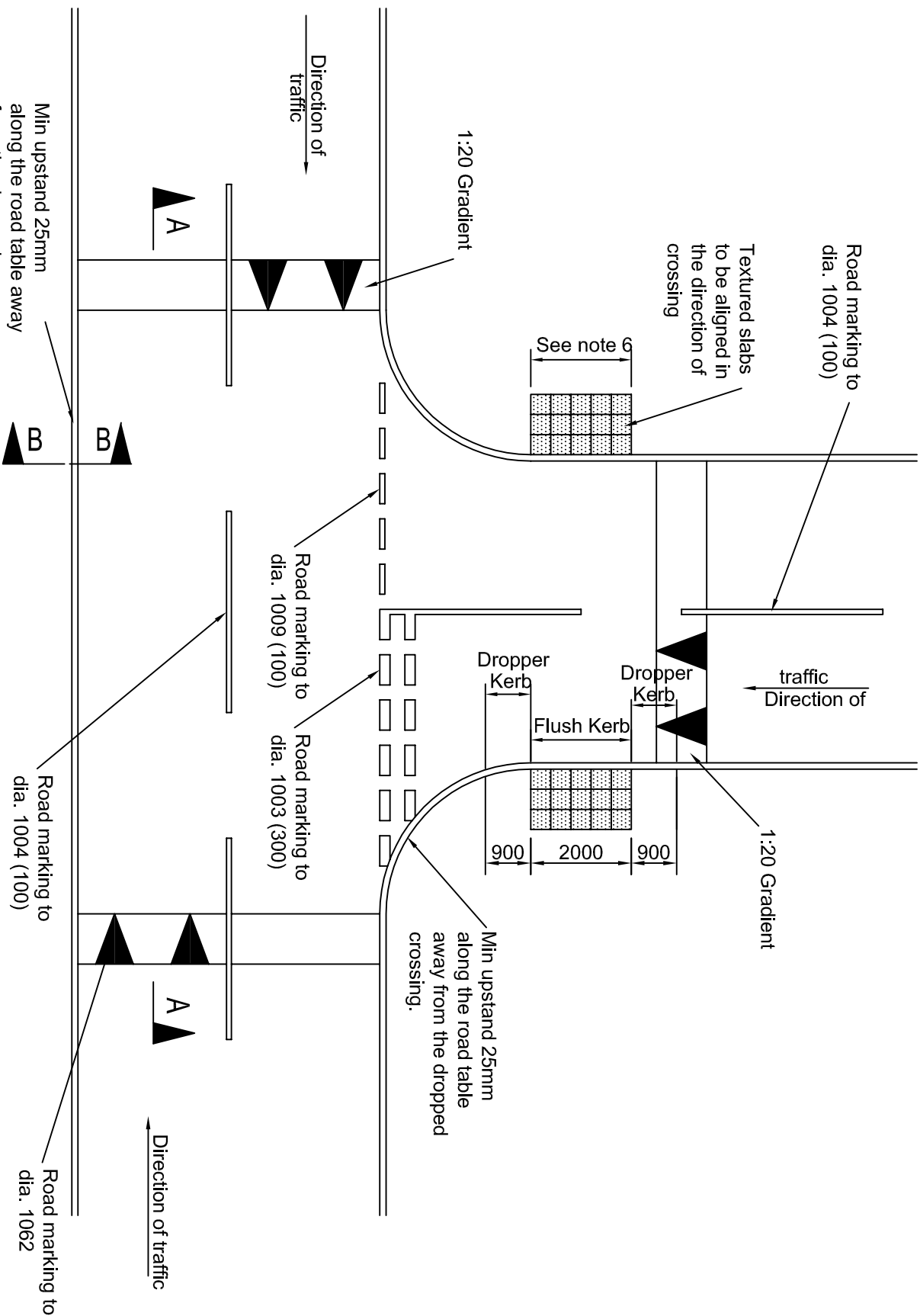
PLAN OF ROAD TABLE

NOTES

1. All dimensions are given in millimetres
2. Flags are to comply to BS7987:2003.
3. Any pedestrian crossing facility shall be sited symmetrically about the centre line.
4. If drainage gullies are required they should be located as shown.

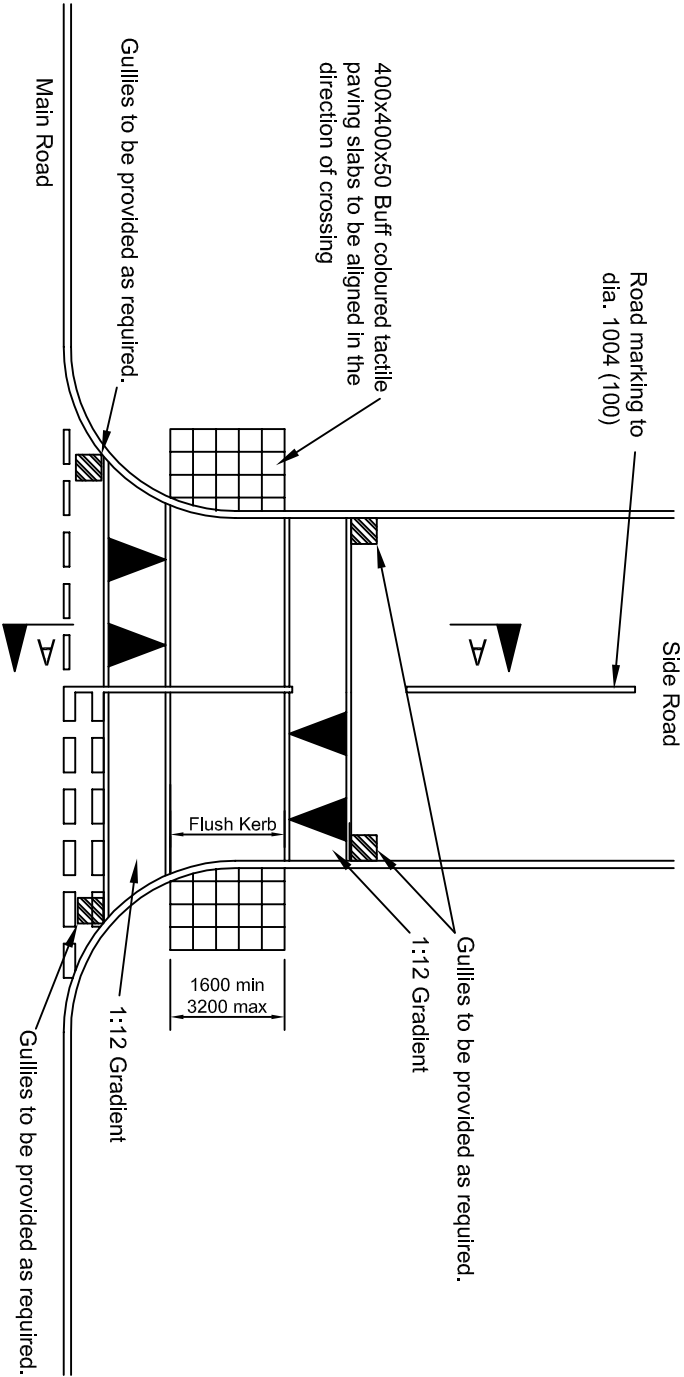
NOTES

 Hounslow Highways Delivering better streets																																																											
<div style="text-align: center;"> HOUNSLOW HIGHWAYS STANDARD DETAILS </div>																																																											
TITLE: ROAD HUMPH FULL WIDTH ROAD TABLE WITH CROSSING																																																											
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DRAWINGS STATUS:						SCALE @ A3:		CHECKED:	APPROVED:																																																		
B	16/10/14	AN	AMENDED COMMENTS HOUNSLOW HIGHWAYS	TJM	SC	N.T.S		GN																																																			
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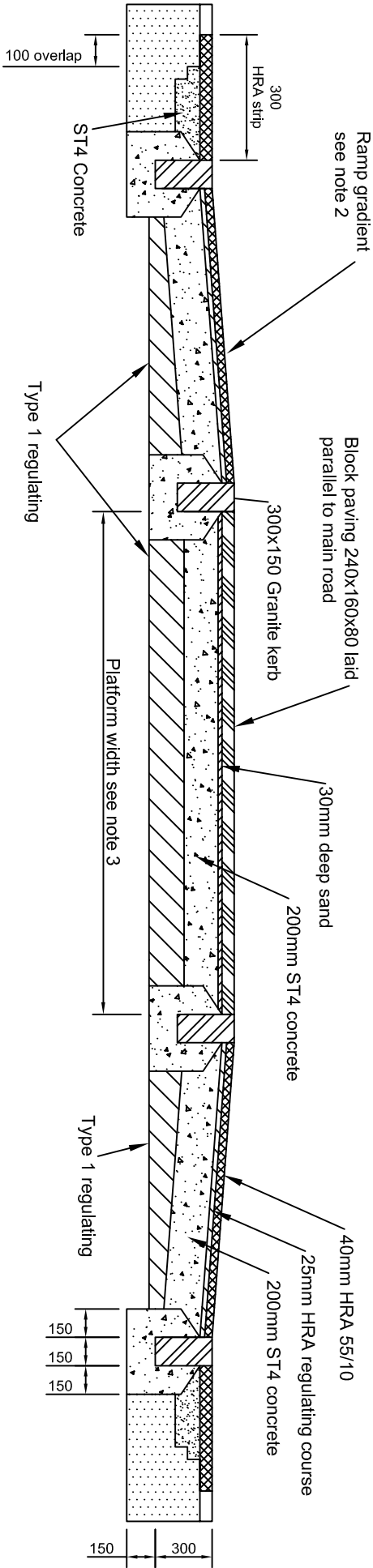


- ## NOTES
1. All dimensions are given in millimetres.
 2. This drawing has been prepared from information given in the DETR document, guidance on the use of tactile paving surfaces.
 3. Tactile flags used at uncontrolled crossings should be coloured buff or a contrasting colour other than red.
 4. Street furniture including, gullies, manhole covers and junction boxes should not be located in the vicinity of crossing points.
 5. Tactile flags shall extend over the full width of the flush kerb.
 6. Flags are to comply to B.S. 7997:2003.
 7. Consider the need for additional drainage when building junction table.

TITLE:	HOUNSLOW HIGHWAYS STANDARD DETAILS						SCALE @ A3:		CHECKED:		APPROVED:			
	B	16/10/14	AN	AMENDED COMMENTS HOUNSLOW HIGHWAYS				N.T.S		GN				
	A	09/10/2014	AN	AMENDED COMMENTS FROM HOUNSLOW HIGHWAYS		AS	SC	CAD FILE:	DESIGN/DRAWING		DATE:			
	REV	DATE	BY	DESCRIPTION		CHK	APP	HH SD 700 008.DWG	HS					
	DRAWING STATUS:						DRAWING NO:							
JUNCTION TABLE WITH SIDE ROAD CROSSING						INFORMATION						HH/SD/700/008		REV:
												B		



PLAN OF TYPICAL ENTRY TREATMENT



SECTION A-A THROUGH ENTRY TREATMENT

NOTES

1. All dimensions are in millimetres unless otherwise stated.
2. Ramp gradient to be 1:12 (1:10 max, 1:15min).
3. Plateau width minimum 1.6m and 3.2m maximum. To match tactile crossing width.
4. Kerbs at bottom of ramps to be flush with carriageway. Kerbs at top of ramp to be flush with kerb on side road.
5. Refer to Street Scene Design Guide section 6.2.

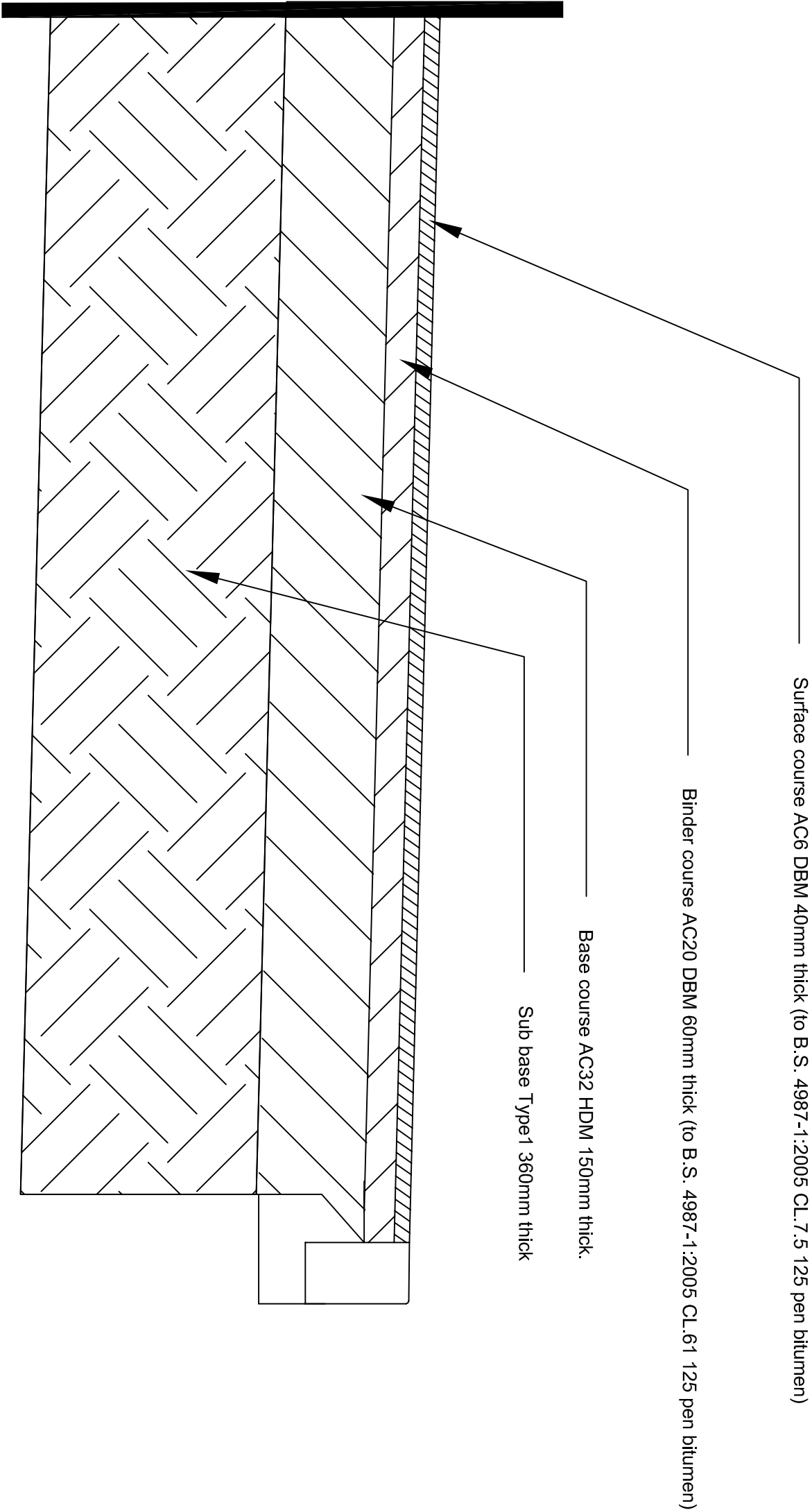


Hounslow

Highways


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HOUNSLOW HIGHWAYS STANDARD DETAILS				SCALE @ A3:		CHECKED:		APPROVED:	
TITLE:				A	17/10/14	AN	AMENDED COMMENTS HOUNSLOW HIGHWAYS	TJM	SC
ENTRY TREATMENT				REV	DATE	BY	DESCRIPTION	CHK	APP
DRAWING STATUS:				CAD FILE:				HH SD 700 009.DWG	
INFORMATION				DRAWING NO:				HH/SD/700/009	
				N.T.S				AS	SC
				DESIGN DRAWN				AN	DATE: 07/10/2014
				REV:				A	



NOTES

- 1. All dimensions are in millimetres unless otherwise stated.
- 2. The use of cold mix foamed bitumen recycled material is permitted subject to the approval of the Engineer.
- 3. Kerb upstand to be minimum 25mm to define edge of carriageway.
- 4. CBR < 2.5% will require a capping layer and where directed by the Engineer a geotextile membrane might also be required.



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TITLE:

HOUNSLOW HIGHWAYS
STANDARD DETAILS

INDUSTRIAL CROSSOVER

REV	DATE	BY	DESCRIPTION	CHK	APP	CAD FILE:	DESIGN DRAWN	DATE:
A	17/10/14	AN	AMENDED COMMENTS HOUNSLOW HIGHWAYS	TJM	SC	HH SD 700 010.DWG	AN	07/10/2014

DRAWING STATUS:

INFORMATION

SCALE @ A3:

N.T.S

CHECKED:

AS

APPROVED:

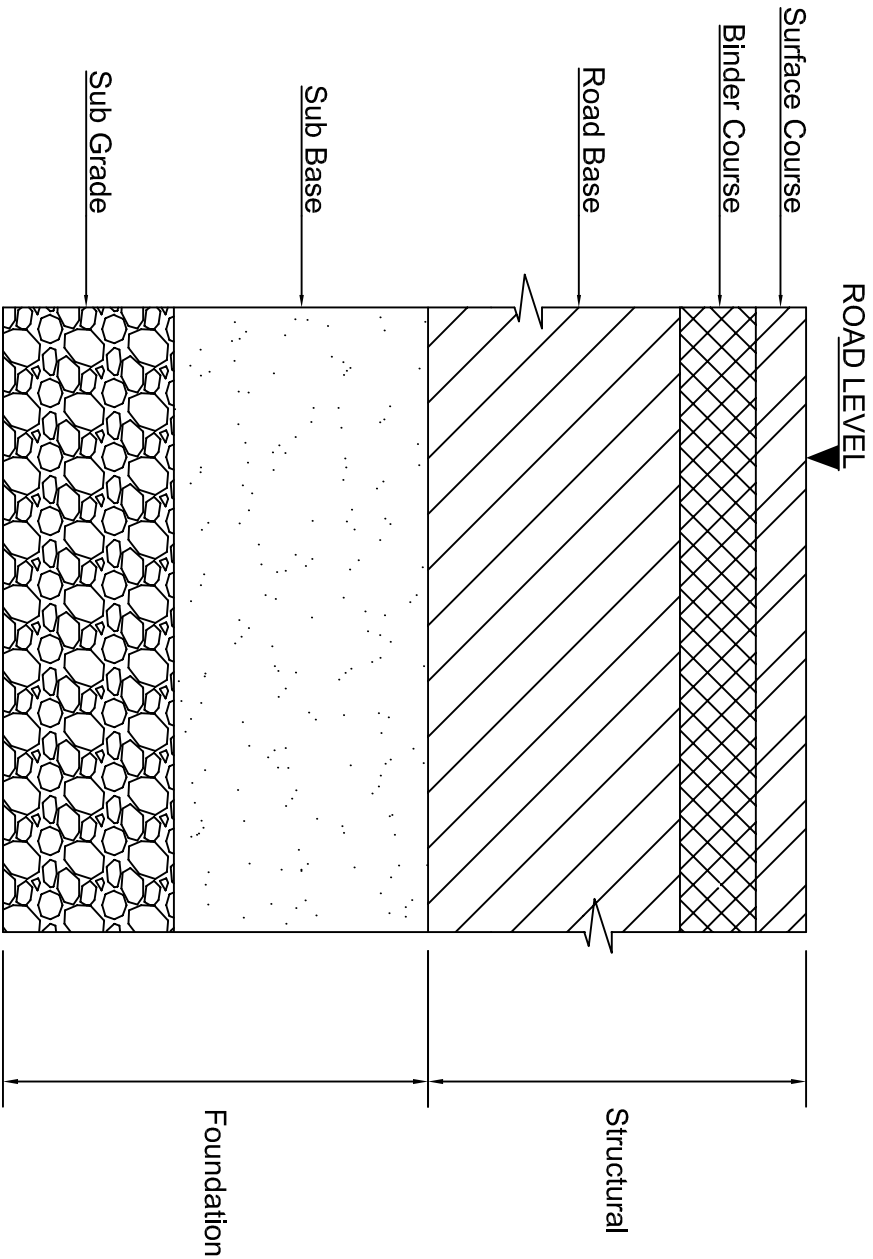
SC

DRAWING NO:

HH/SD/700/010


REV:

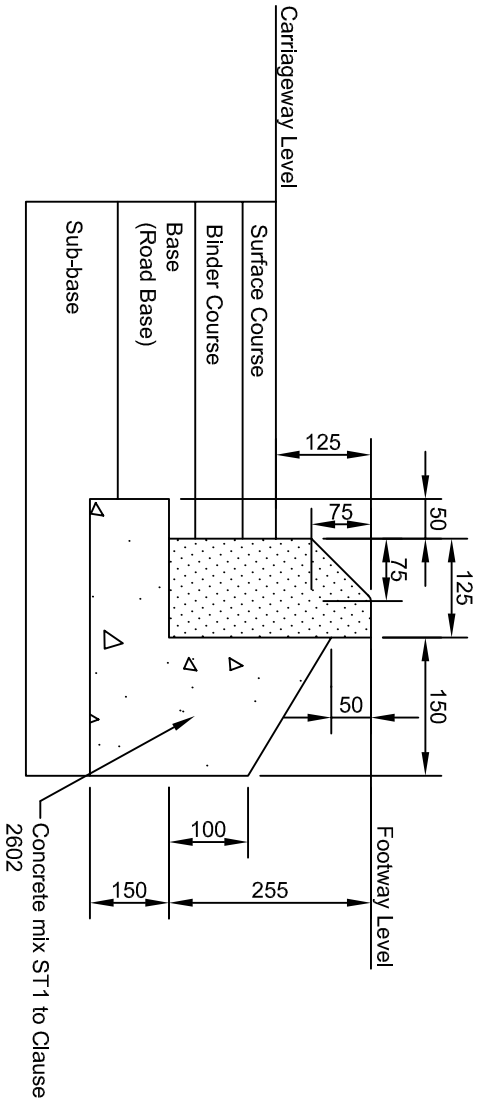
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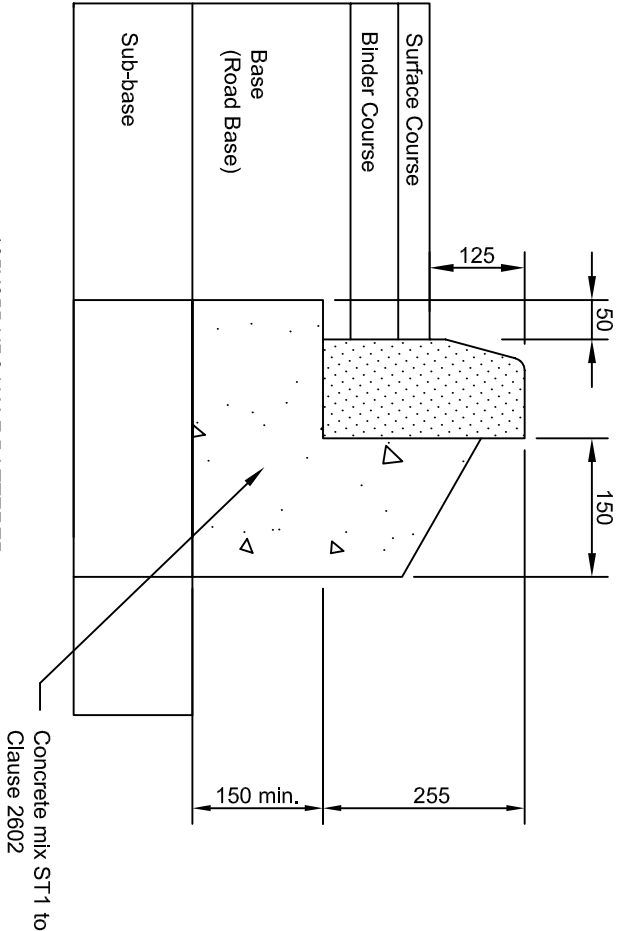
New Link	Link 1 to 3	Link 4 & 5
Design Traffic	30 msa	1 msa
Surface Course	25mm UL-M (Specification for Highway Works - Clause 942 PMB/HAPAS	30mm Fibrovia (Specification for Highway Works -Clause 942 Pen and Fibres/HAPAS
Blinder Course	85mm thick AC20 HDM 40/60 blinder clause 942 Pen & Fibre	70mm thick AC20 HDM 40/60 blinder clause 942 Pen & Fibre
Road Base	200mm AC32 HDM bin 40/60	100mm AC32 HDM bin 40/60
Sub Base	360mm thick Type 1 material	
Sub Grade	CBR > 4%	

NEW PAVEMENT CONSTRUCTION DETAIL

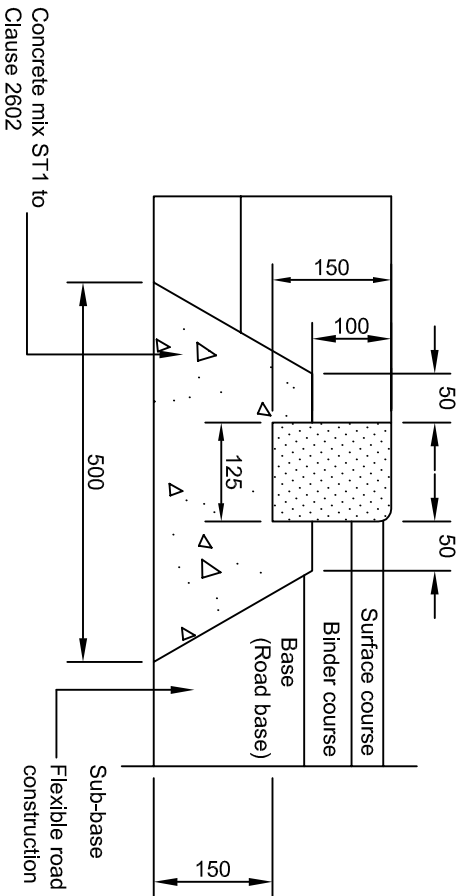
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<h2>HOUNSLOW HIGHWAYS STANDARD DETAILS</h2>																																	
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SCALE @ A3:																																	
B	15.10.14	AN	AMENDED, COMMENTS HOUNSLOW HIGHWAYS	TJM	SC																												
A	03.10.14	AN	AMENDED, COMMENTS HOUNSLOW HIGHWAYS	AS	SC																												
REV	DATE	BY	DESCRIPTION	CHK	APP																												
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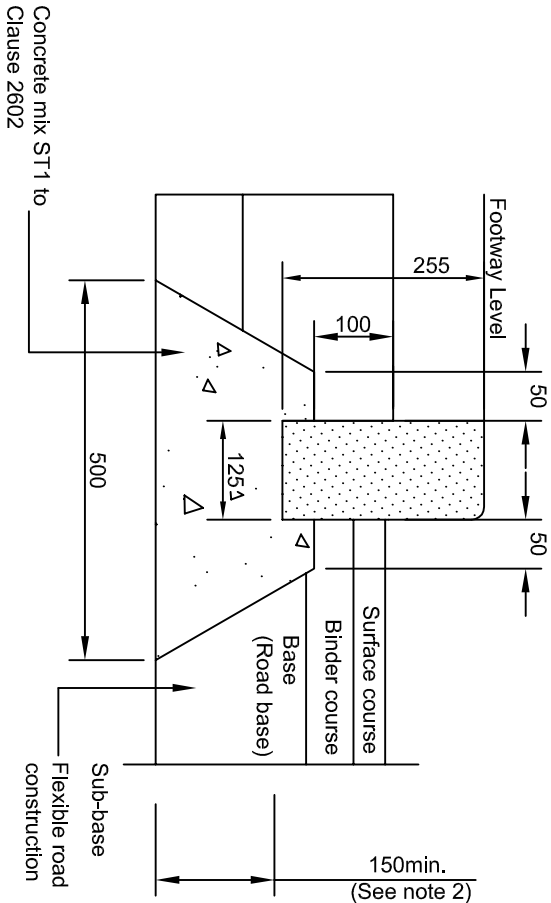
125x255 SPLAYED KERB



125x255 HB2 HALF BATTERED



125x150 BULL-NOSE PCC



125x255 BULL-NOSE PCC

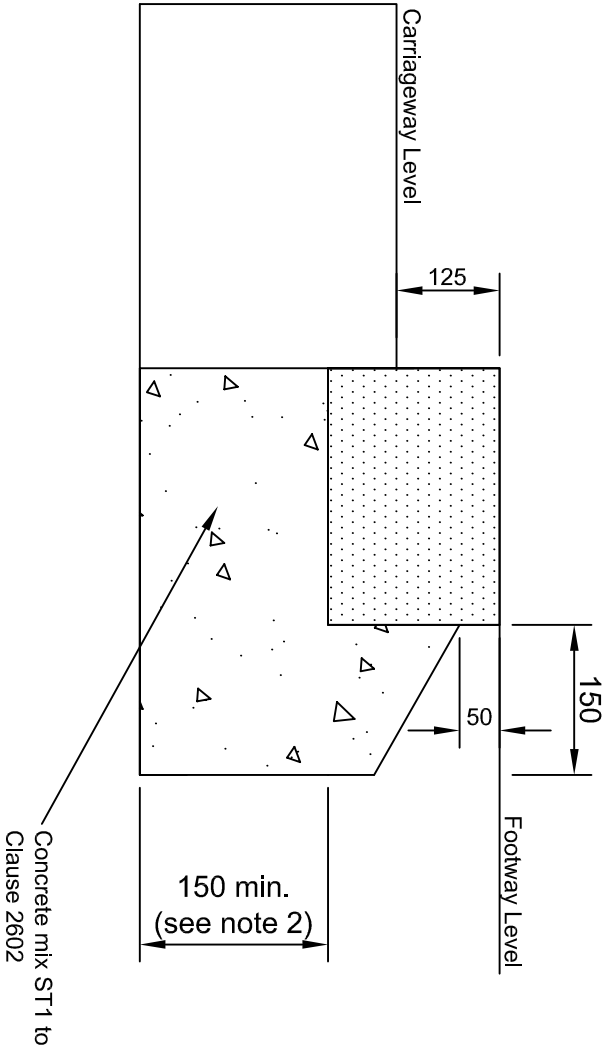
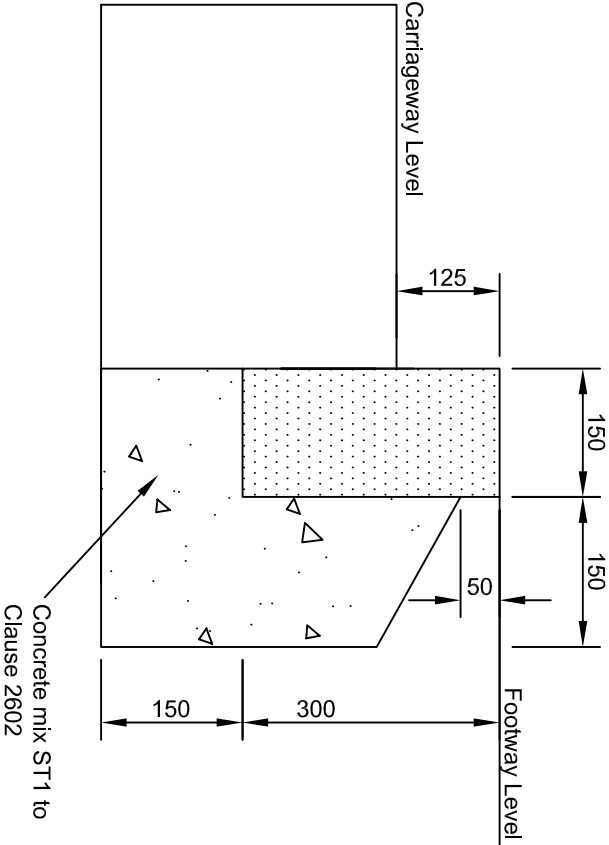
NOTES

1. All dimensions are given in millimetres.
2. Where it is necessary to construct the kerb beam in advance of the kerb laying and backing, the kerb should be bedded on a min. 15, max. 40 thick mortar to clause 2404, table 24/ 1 designation. The backing should be tied to the beam using dowel bars or as approved by the engineer.
3. All kerb beams to be provided with 12mm wide expansion joints at 10m centres through concrete kerb beam and backing. Where kerbs are laid on or adjacent to concrete carriageway expansion joints shall be provided in clause 1101.2.
4. For kerbs relaid on existing beams the bedding and backing should be as described in note 3.
5. PCC kerb for band 4 and short like for like section. PCC kerb to BS7263.



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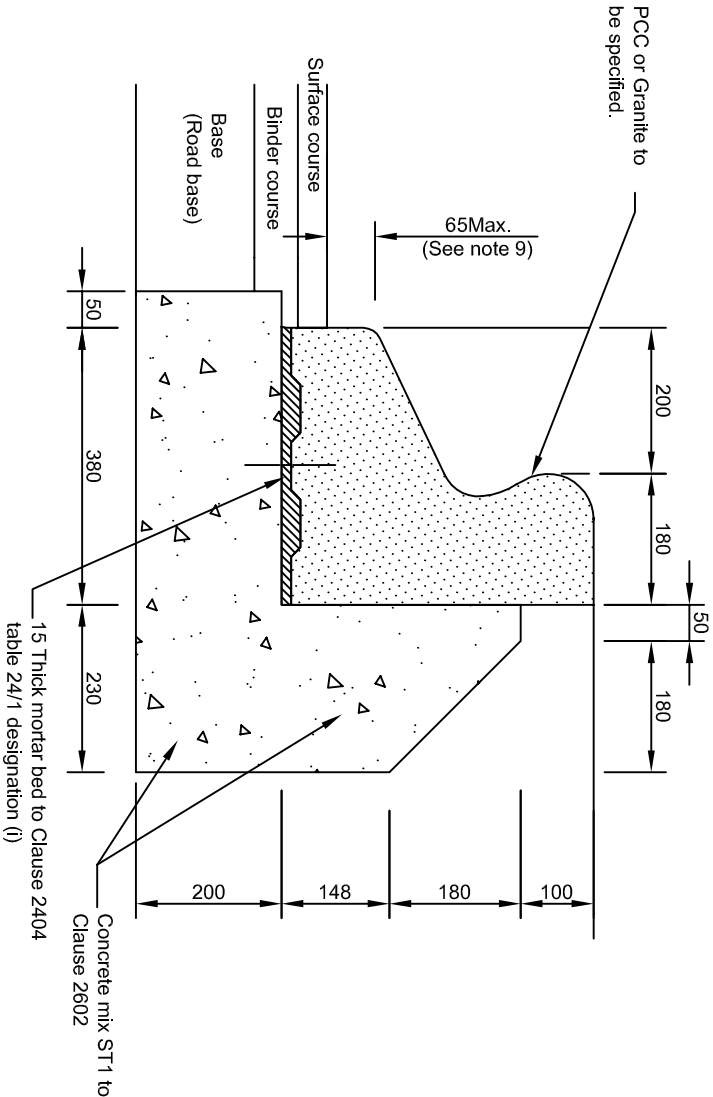
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STANDARD PCC KERBS				HH SD 1100 001.DWG		AN	07/10/2014	
DRAWING STATUS:				INFORMATION		HH/SD/1100/001		REV:
REV				DATE		CHK		APP
BY				DESCRIPTION		APP		
AMENDED COMMENTS HOUNSLOW HIGHWAYS				T.M		SC		
16/10/14				AN		AS		



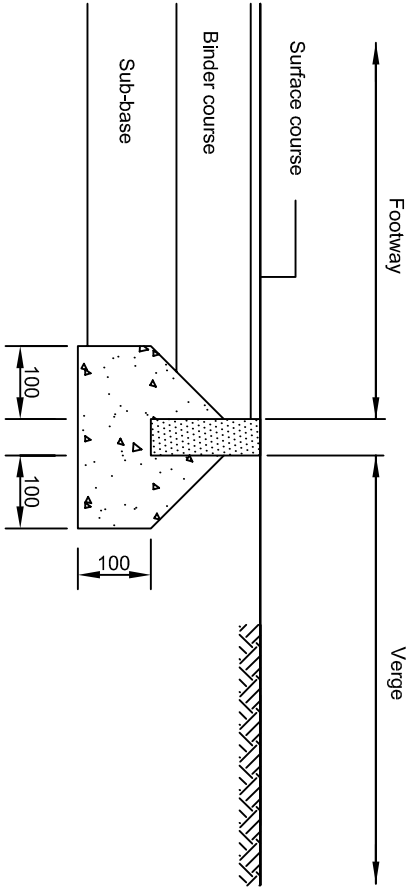
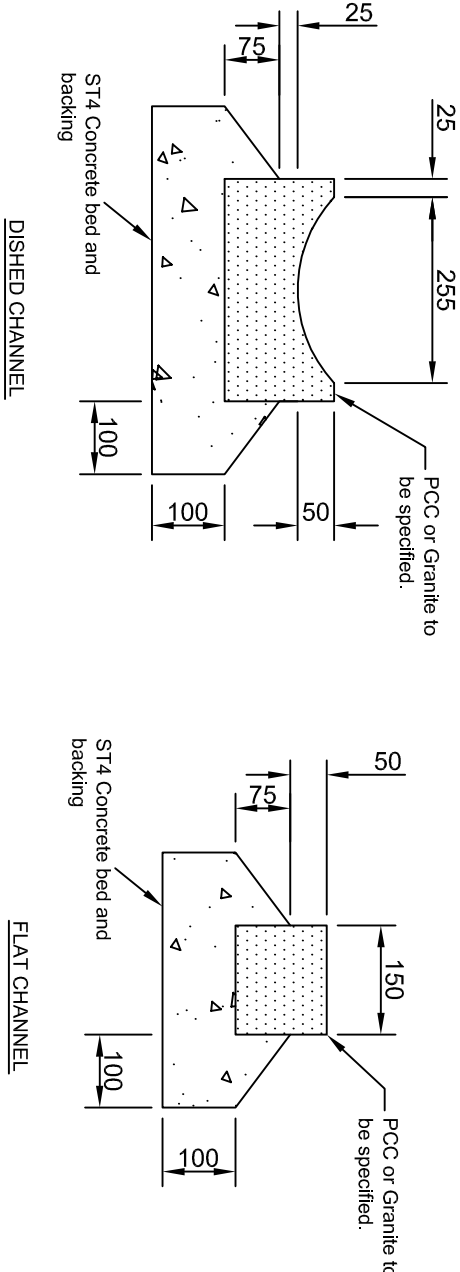
NOTES

1. All dimensions are given in millimetres.
2. Where it is necessary to construct the kerb beam in advance of the kerb laying and backing. The kerb should be bedded on a min. 15. max. 40 thick mortar to clause 2404, table 24/ 1 designation. The backing should be tied to the beam using dowel bars or as approved by the engineer.
3. All kerb beams to be provided with 12mm wide expansion joints at 10m centres through concrete kerb beam and backing. where kerbs are laid on or adjacent to concrete carriageway expansion joints shall be provided in clause 1101.2.
4. Kerbs are annotated on plan by reference denoting beam type/kerb type as B.S. EN 1340:2003, i.e A/HB2 is a type A beam with a half batter kerb type HB2.
5. For kerbs relaid on existing beams the bedding and backing should be as described in note 3.
6. Granite kerbs for band 1.2.3 and like for like replacement.

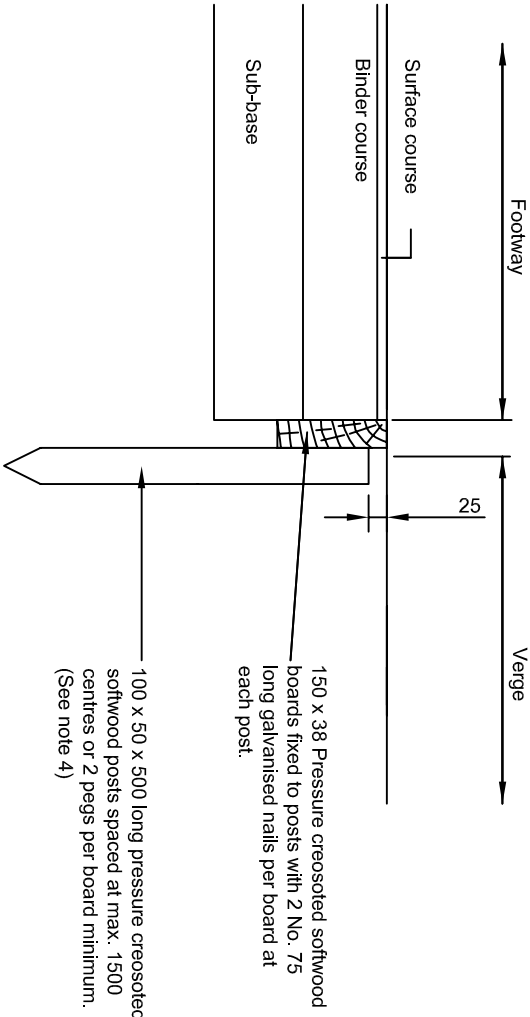
<div><div><div></div><div>Hounslow</div><div>Highways</div><div>Delivering better streets</div></div></div>				HOUNSLOW HIGHWAYS STANDARD DETAILS				TITLE:				STANDARD GRANITE KERBS			



TIEFF KERBS




FLUSH SET P.C. EDGINGS



FLUSH TIMBER EDGING

NOTES

1. All dimensions are given in millimetres.
2. Where it is necessary to construct the kerb beam in advance of the kerb laying and backing. The kerb should be bedded on a min. 15. max. 40 thick mortar to clause 2404, table 24/ 1 designation. The backing should be tied to the beam using dowel bars or as approved by the engineer.
3. All kerb beams to be provided with 12mm wide expansion joints at 10m centres through concrete kerb beam and backing, where kerbs are laid on or adjacent to concrete carriageway expansion joints shall be provided in clause 1101.2.
4. Kerbs are annotated on plan by reference denoting beam type/kerb type as B.S. EN 1340:2003. I.e A/HB2 is a type A beam with a half batter kerb type HB2.
5. For kerbs relaid on existing beams the bedding and backing should be as described in note 3.
6. Granite kerbs for band 1,2,3 and like for like replacement.
7. Timber footway edging shall be pressure creosoted softwood boards.



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TITLE:

HOUNSLOW HIGHWAYS
STANDARD DETAILS

SPECIFIC KERBS AND EDGING

SCALE @ A3:

N.T.S

CAD FILE:

HH SD 1100 003.DWG

REV:

DATE:

BY:

CHK:

APP:

DESCRIPTION:

DRAWING STATUS:

INFORMATION

DRAWING NO:

HH/SD/1100/003

REV:

A

CHECKED:

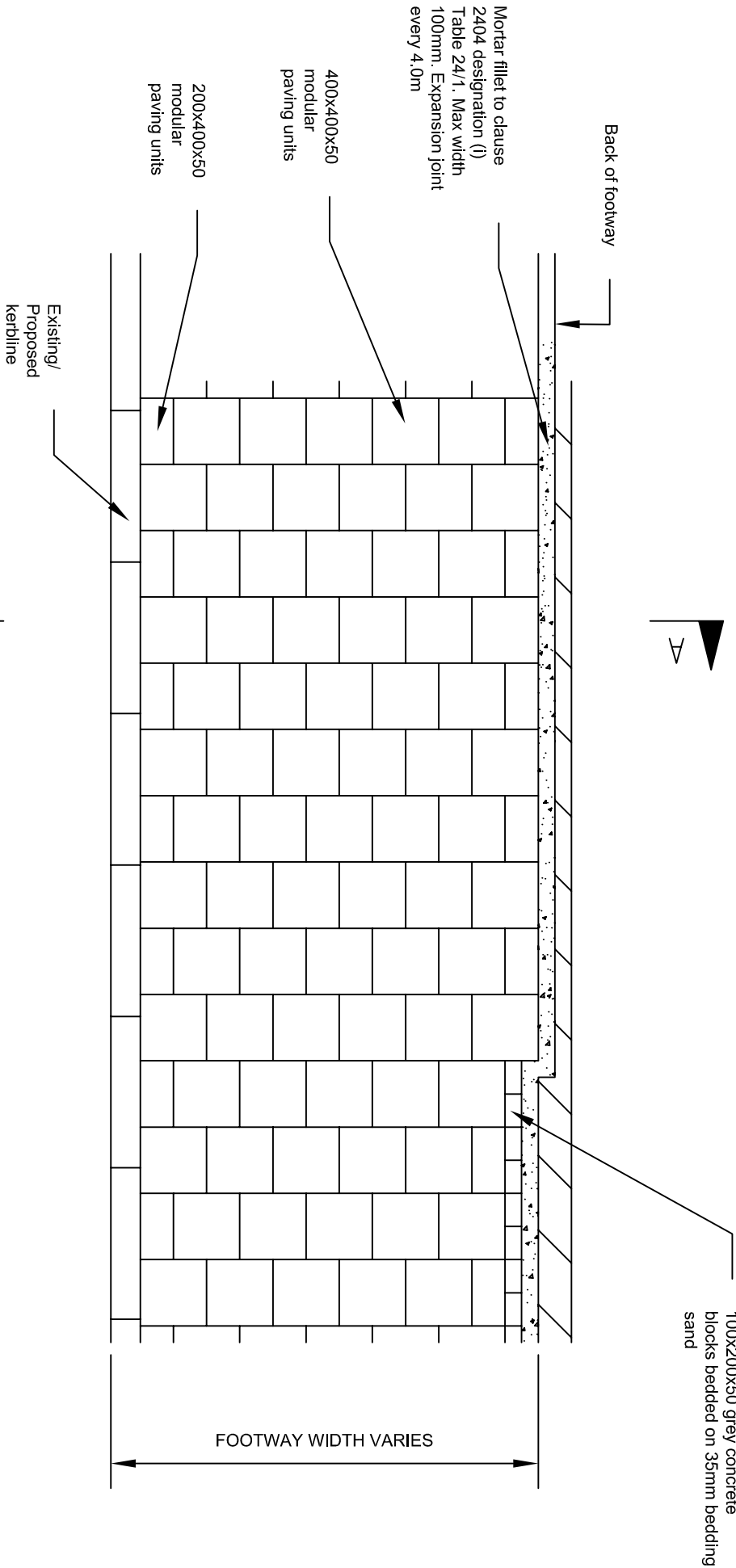
AS

APPROVED:

SC

DATE:

07/10/2014



100x200x50 grey concrete blocks bedded on 35mm bedding sand

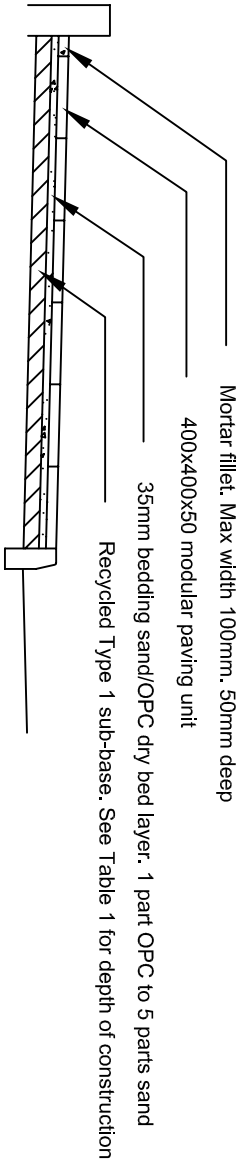


Table 1

Type 1 Sub-Base	Depth
Full Reconstruction	75mm
Partial Reconstruction	25mm
New Footway	150mm

SECTION A-A

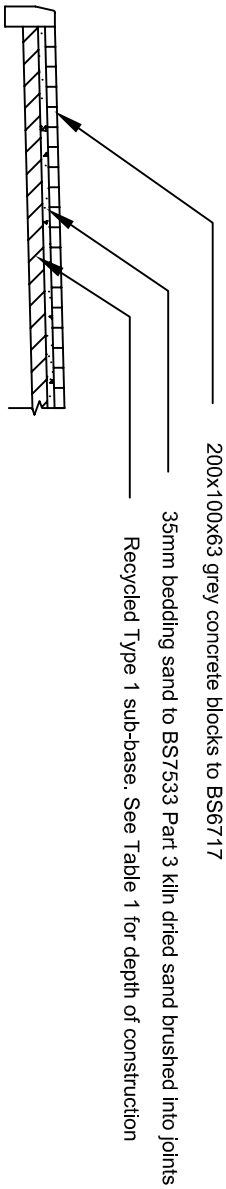
- NOTES
- All dimensions are in millimetres.
 - Bedding sand shall comply with BS7533 Part 3.
 - Modular paving and block paving units shall comply with BS7997:2003.

HOUNSLOW HIGHWAYS
STANDARD DETAILS

TITLE:

STANDARD WHITE FOOTWAY BANDS 1,2 & 3

DRAWING STATUS:				SCALE @ A3:		CHECKED:		APPROVED:	
B	16/10/14	AN	AMENDED COMMENTS HOUNSLOW HIGHWAYS	TJM	SC	N.T.S		GN	
A	07/10/2014	AN	AMENDED COMMENTS FROM HOUNSLOW HIGHWAYS	AS	SC	CAD FILE:	DESIGN DRAWN:	DATE:	AA
REV	DATE	BY	DESCRIPTION	CHK	APP	HH SD 1100 004.DWG	NP	Jan 15	
INFORMATION						DRAWING NO:		REV:	
						HH/SD/1100/004		B	



- NOTES**
1. All dimensions are in millimetres.
 2. Bedding sand shall comply with BS7533 Part 3.
 3. Modular paving and block paving units shall comply with BS7997:2003.

SECTION A-A

200x100x63 grey concrete blocks laid stretcher pattern

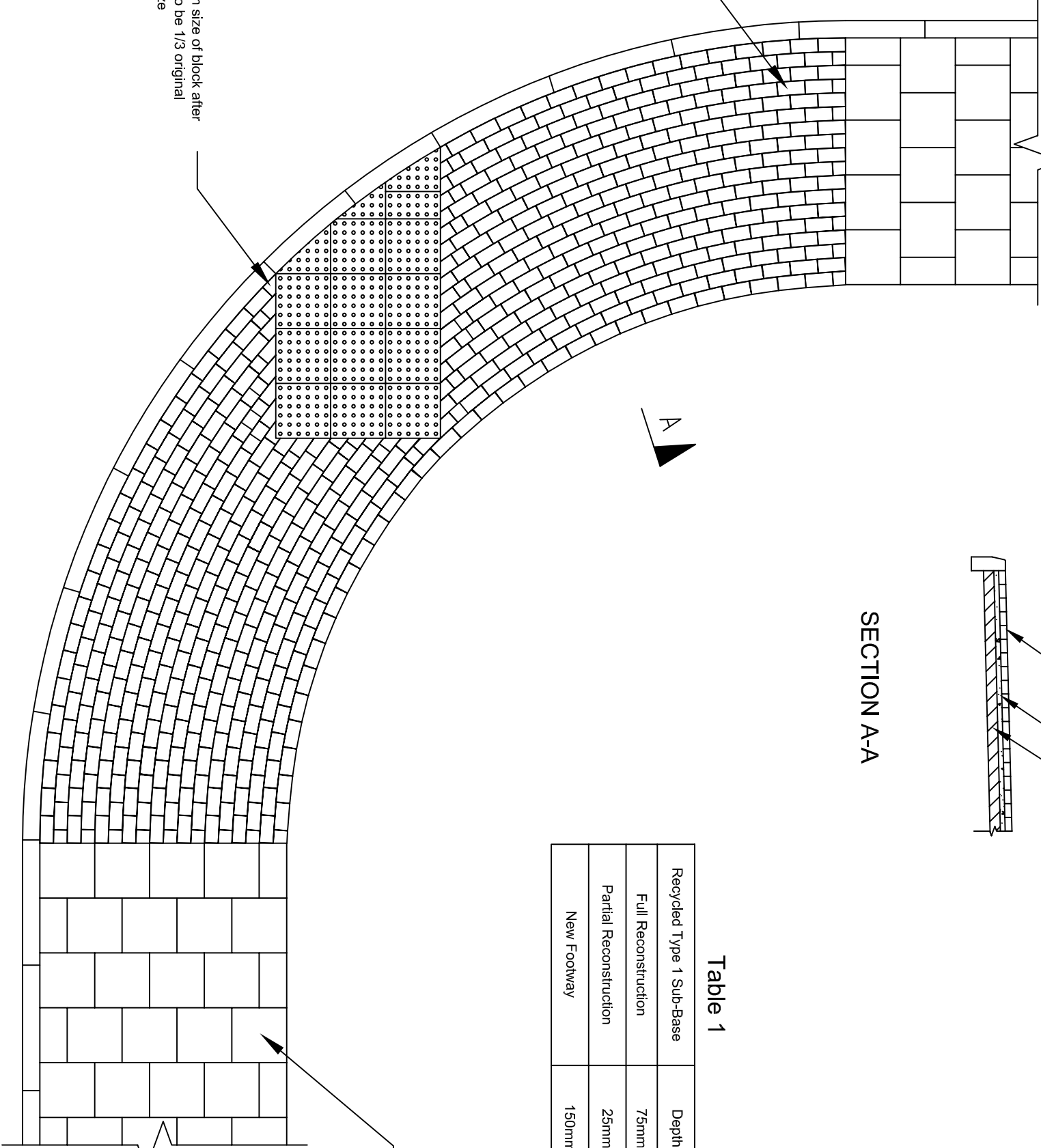


Minimum size of block after cutting to be 1/3 original block size

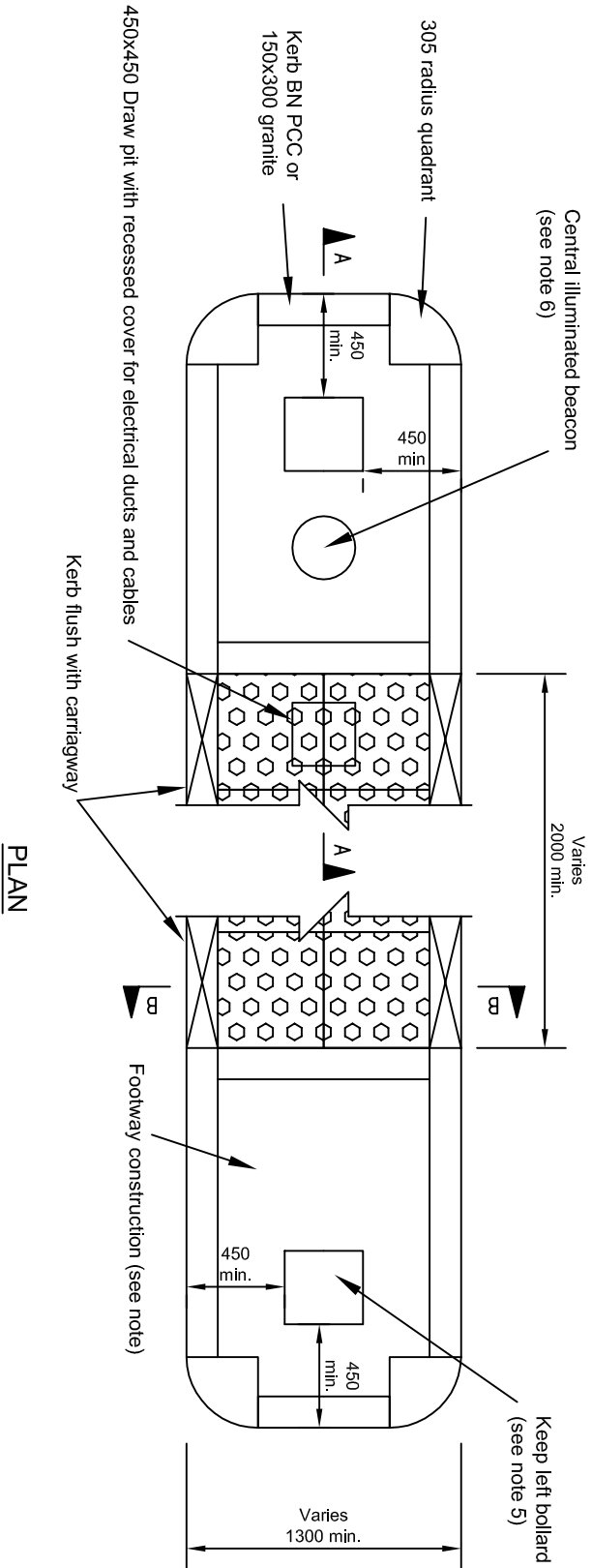
Recycled Type 1 Sub-Base	Depth
Full Reconstruction	75mm
Partial Reconstruction	25mm
New Footway	150mm

Table 1

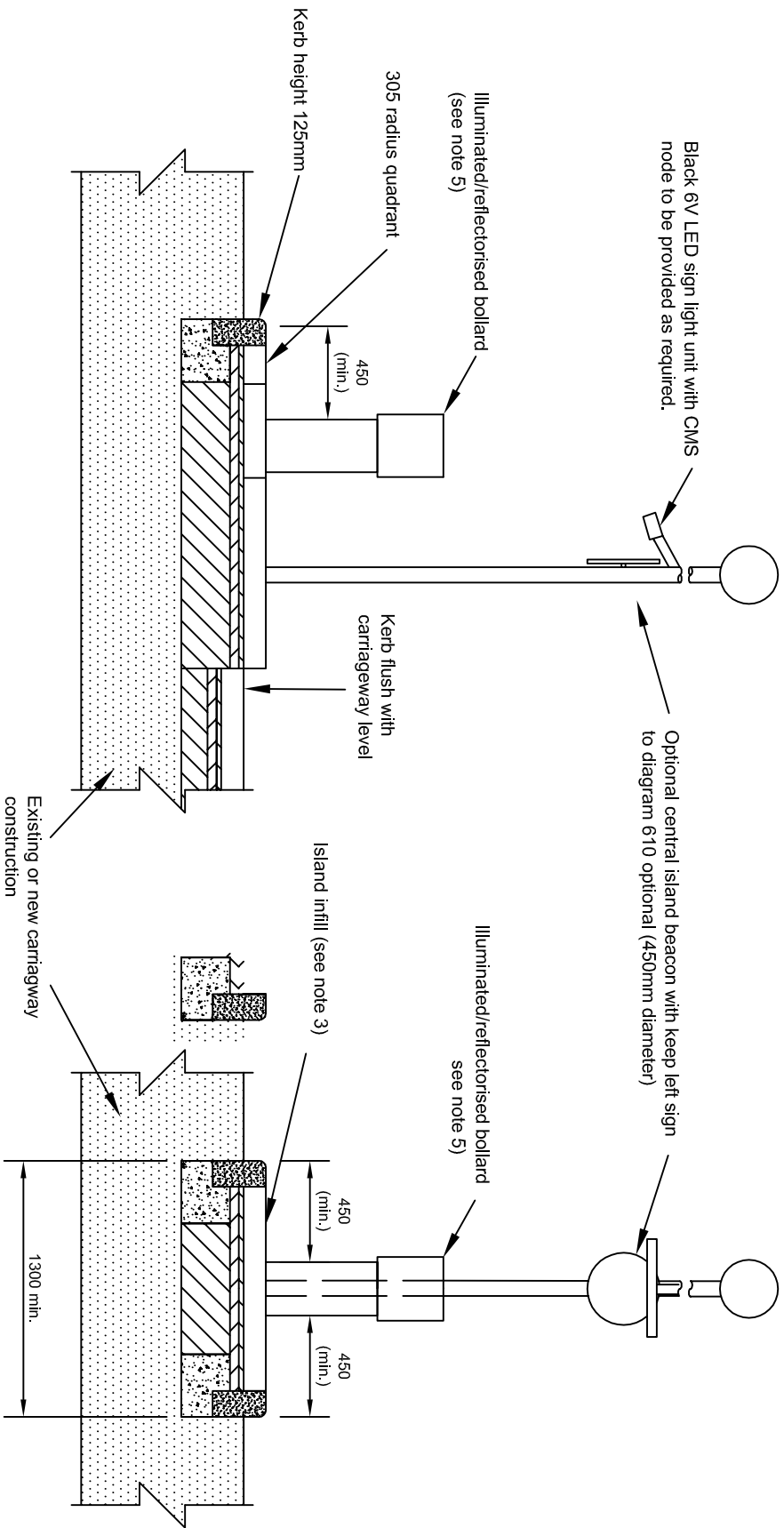
For modular paving details see Standard Detail drawing HH/SD/1100/004



HOUNSLOW HIGHWAYS STANDARD DETAILS				HOUNSLOW HIGHWAYS STANDARD DETAILS			
TITLE:				STANDARD WHITE FOOTWAYS BANDS 1,2 & 3 JUNCTION RADII IN AREAS OF EXISTING FOOTWAY			
B	16/10/14	AN	AMENDED COMMENTS HOUNSLOW HIGHWAYS	TJM	SC	SCALE @ A3:	
A	06/10/2014	AN	AMENDED COMMENTS FROM HOUNSLOW HIGHWAYS	AS	SC	N.T.S	
REV	DATE	BY	DESCRIPTION	CHK	APP	CHECKED:	
DRAWING STATUS:						APPROVED:	
INFORMATION						GN	
DRAWING No:						AA	
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HH/SD/1100/005						NP	
REV:						DATE:	
B						Jan 15	



PLAN



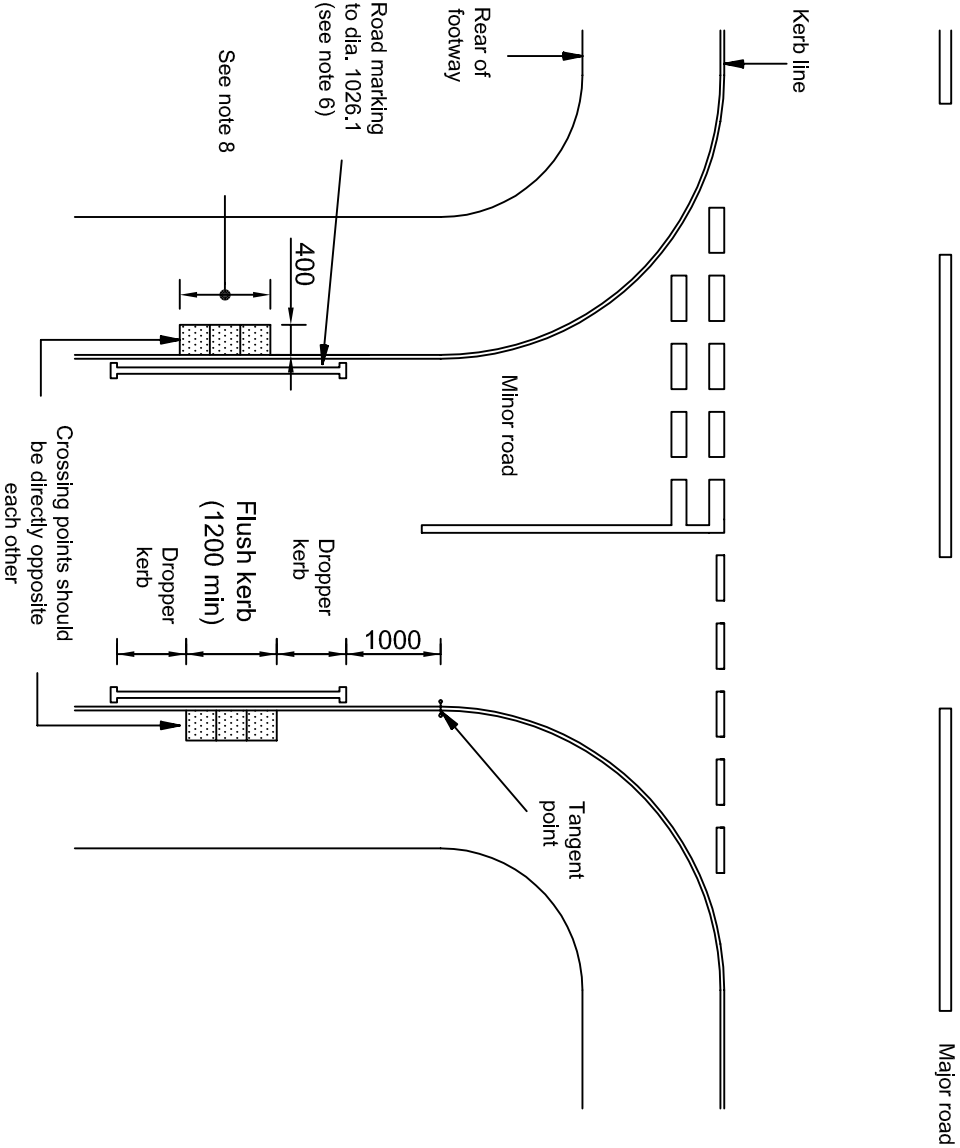
SECTION A-A

SECTION B-B

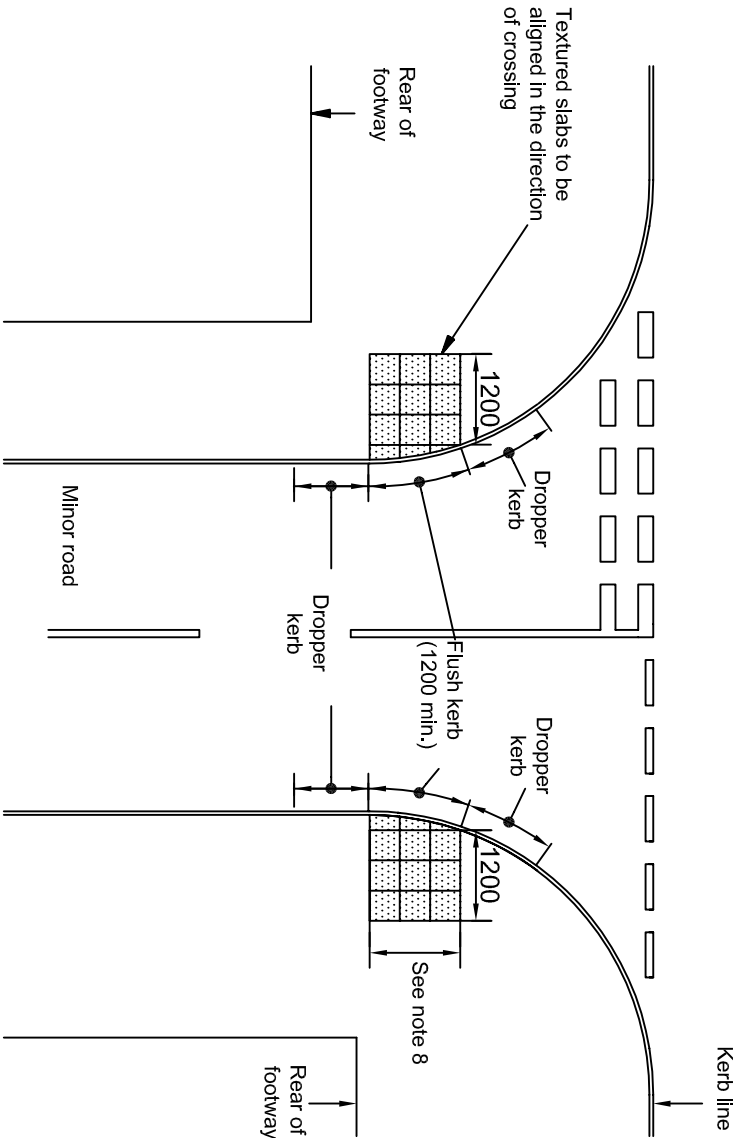
NOTES

1. All dimensions are in millimetres unless otherwise stated.
2. Tactile paving shall be provided as appropriate in accordance with the department of the environment transport and the regions document. Guidance on the use of tactile paving surfaces.
3. Island infill to be Grey 200*100*50mm concrete block laid on 35mm sharp sand and T1 for band 1, 2, 3, and 25mm HRA 45/6 over 50mm DBM and T1 for band 4.
4. Kerbs to be granite for band 1,2 and 3 and precast concrete bull nose for band 4.
5. Illuminated (or reflectorised) bollard. Sign diagram to be 300mm diameter.
6. Central Island beacon (optional). To be used when forward visibility on approach to the island is limited.. Ensure pole opening is parallel to carriageway for future maintenance.

HOUNSLOW HIGHWAYS STANDARD DETAILS				PEDESTRIAN REFUGE TYPE 1			
TITLE:				DRAWING STATUS:			
B	16/10/14	AN	AMENDED COMMENTS HOUNSLOW HIGHWAYS	TJM	SC	SCALE @ A3:	
A	09.10.14	AN	AMENDED. COMMENTS HOUNSLOW HIGHWAYS	TJM	SC	CAD FILE:	
REV	DATE	BY	DESCRIPTION	CHK	APP	HH SD 1100 009.DWG	
INFORMATION						HH/SD/1100/009	
						REV:	
						AA	
						DATE:	
						16/10/14	



UNCONTROLLED INSET CROSSING



UNCONTROLLED IN-LINE CROSSING

NOTES

1. All dimensions are given in millimetres.
2. This drawing has been prepared from information given in the DETR document, Guidance on the use of Tactile Paving Surfaces.
3. Flags are to comply to B.S. 7997:2003.
4. Tactile flags used at uncontrolled crossings should be coloured buff or a contrasting Colour other than red.
5. Street furniture including, gullies, manhole covers and junction boxes should not be located in the vicinity of crossing points.
6. Road Markings to Diag. 1026.1 TSGD should be applied at inset crossing points to prevent them being blocked by parked cars.
7. Tactile flags must not extend to the rear of the footway as this would indicate a controlled crossing.
8. Tactile flags shall extend over the full width of the flush kerbs.



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HOUNSLOW HIGHWAYS STANDARD DETAILS	
TACTILE SURFACES AT UNCONTROLLED PEDESTRIAN CROSSING POINTS ADJACENT TO JUNCTIONS	
TITLE:	

					SCALE @ A3:		N.T.S		CHECKED:	GN	APPROVED:	AA								
A	06/10/2014	AN	AMENDED COMMENTS FROM HOUNSLOW HIGHWAYS			TJM	SC	CAD FILE:	HH SD 1100 010.DWG		DESIGN-DRAWN:	HS	DATE:	Jan 15						
REV	DATE	BY	DESCRIPTION			CHK	APP													
DRAWING STATUS:														DRAWING NO:		HH/SD/1100/010		REV:		A