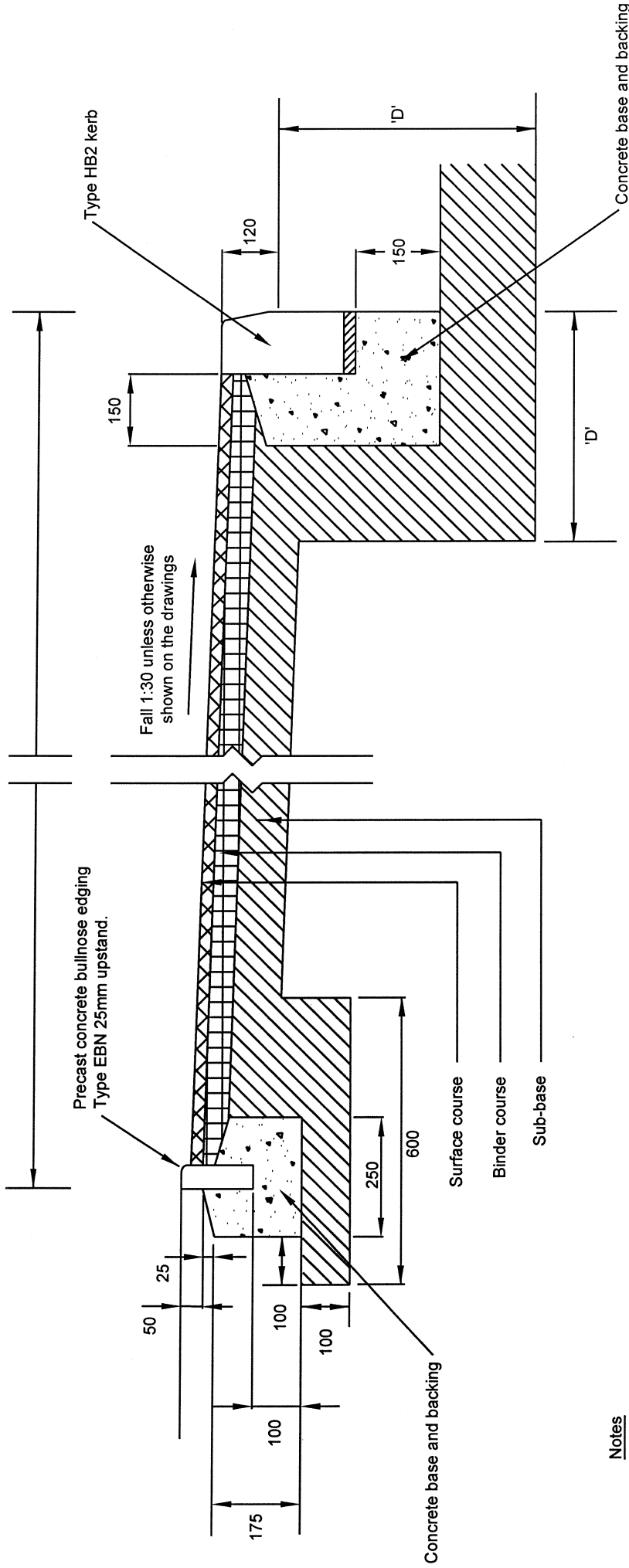


Width 2000mm unless shown otherwise on drawing



Notes

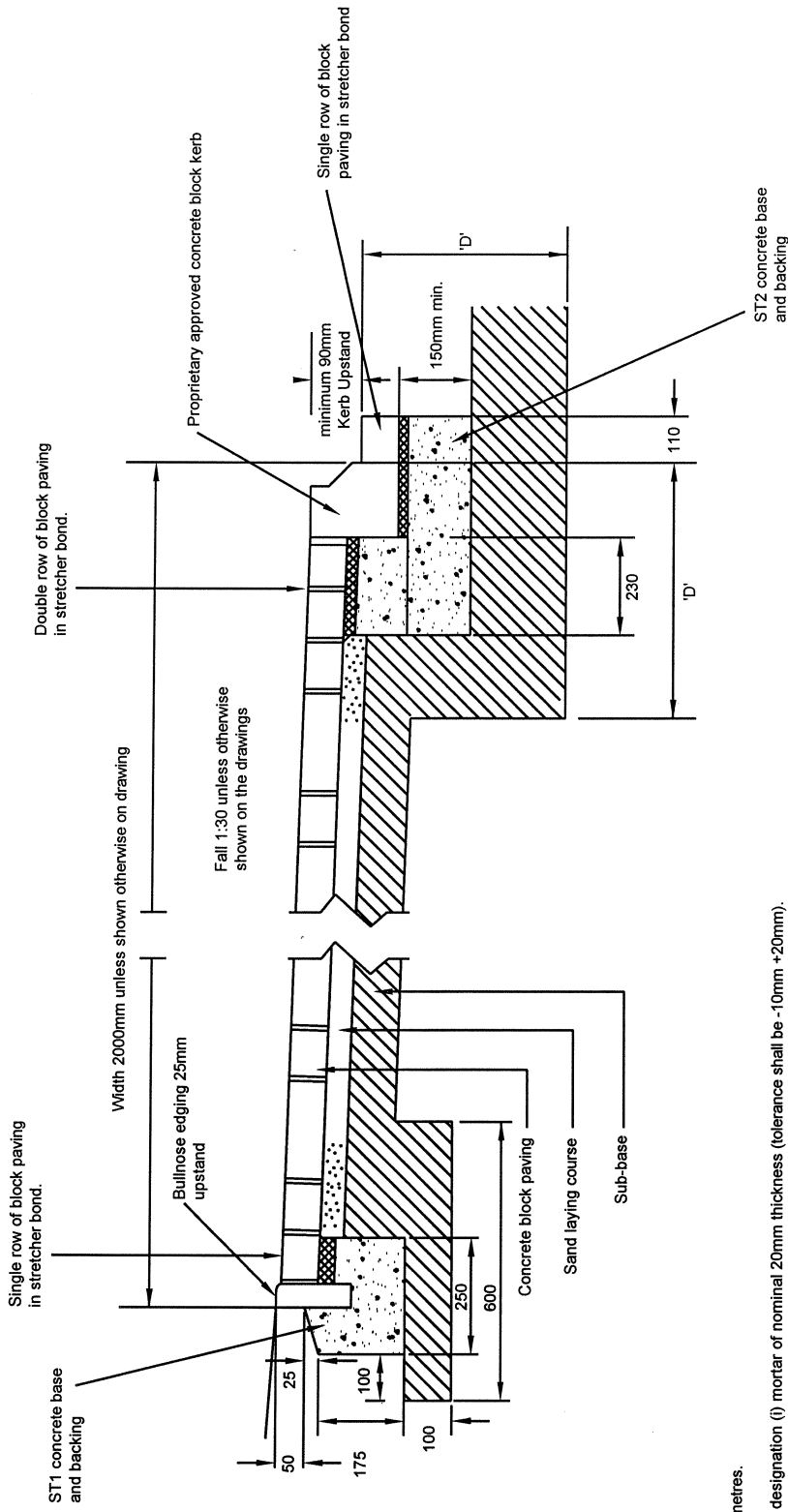
1. All dimensions are in millimetres.
2. Kerbs shall be bedded on designation (i) mortar of nominal 20mm thickness (tolerance shall be -10mm +20mm).
3. Kerbs shall be 125mm x 255mm Type HB2 in accordance with BS EN 1340.
4. Footway construction shall be in accordance with Coventry City Council specification.
5. Sub-base shall be Type 1 Granular Mixture to SHW Cl. 803 or Type 4 (asphalt arisings) Unbound Mixture to SHW Cl. 807.



**HIGHWAY DESIGN GUIDE
TYPICAL FEATURES**

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**CROSS SECTION THROUGH
FLEXIBLE FOOTWAY CONSTRUCTION
TF01**



Notes

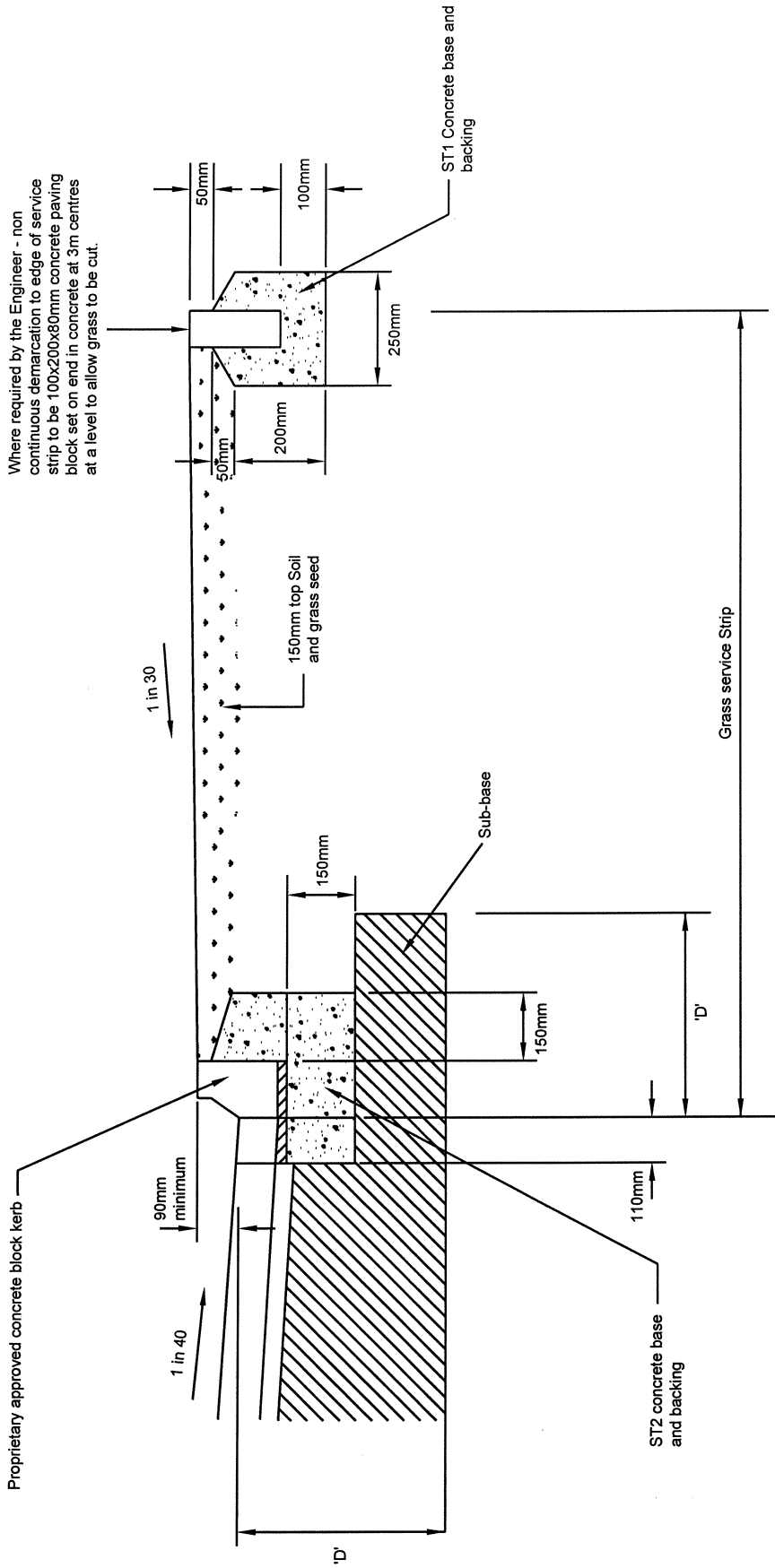
1. All dimensions are in millimetres.
2. Kerbs shall be bedded on designation (i) mortar of nominal 20mm thickness (tolerance shall be -10mm +20mm).
3. Block paving on concrete bed shall be bedded on 30mm thick designation (i) mortar.
4. Sand Laying course shall be 30mm thick Category II sand in accordance with BS 7533-3 (tolerance -5mm +10mm).
5. Concrete block paving shall be 200mm x 100mm x 80mm concrete blocks in accordance with BS EN 1338.
6. Block paving shall be laid in 45° or 90° herringbone bond with a single row of stretcher bond at rear of footway and double row of stretcher bond behind the kerb.
7. No block cut smaller than one third of its original plan area shall be used.
8. Sub base shall be Type1 Granular Mixture to SHW CI. 803 or Type 4 (asphalt ansings) Unbound Mixture to SHW CI. 807.



**HIGHWAY DESIGN GUIDE
TYPICAL FEATURES**

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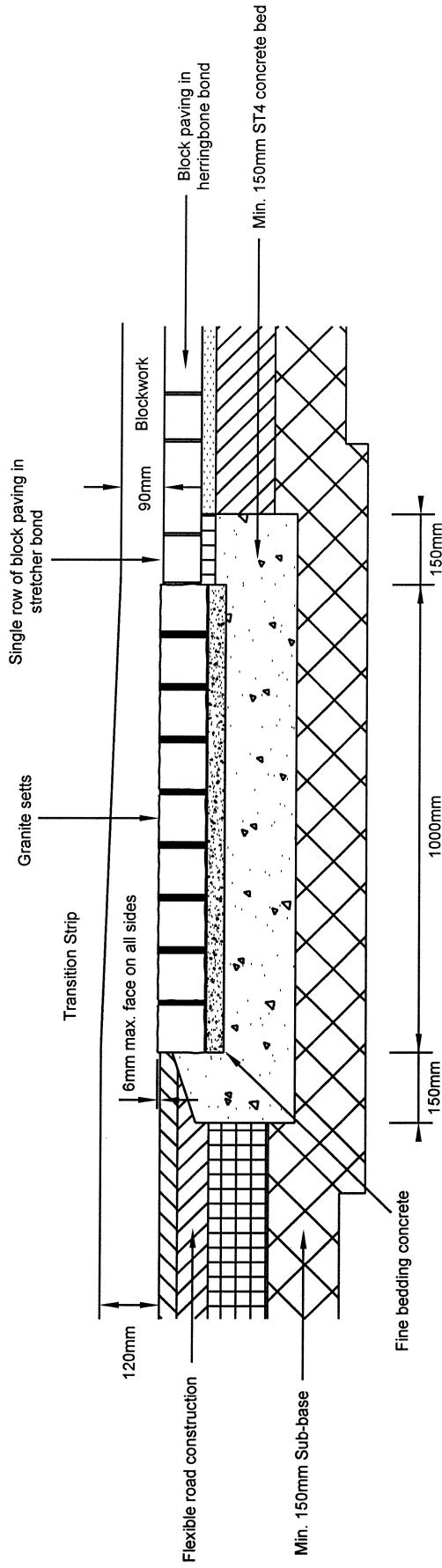
**CROSS SECTION THROUGH
BLOCK PAVED FOOTWAY
TF02**



HIGHWAY DESIGN GUIDE
TYPICAL FEATURES

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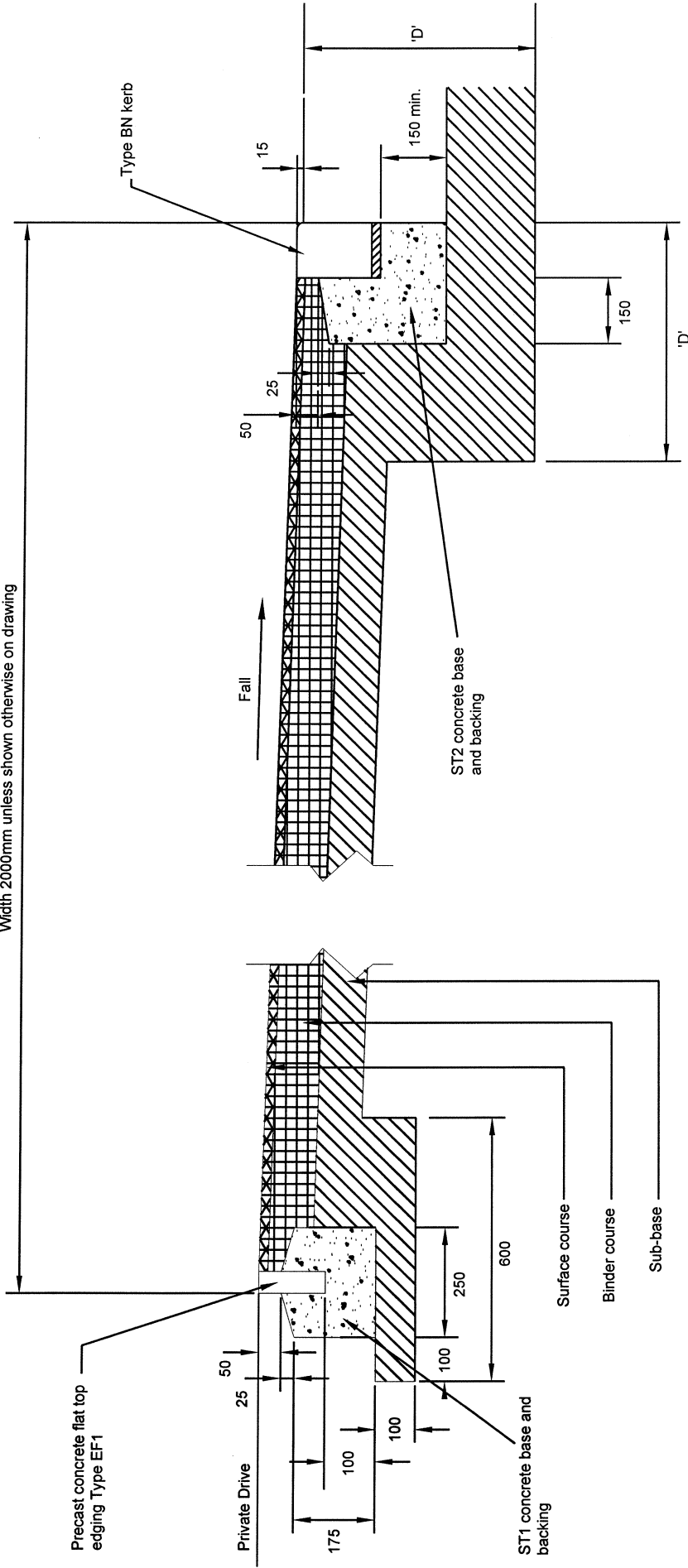
CROSS SECTION THROUGH BLOCKWORK
CONSTRUCTION WITH GRASS SERVICE
STRIP
TF03



Notes

1. All dimensions are in millimetres.
2. Sub-base shall be Type 1 Granular Mixture to SHW Cl. 803 or Type 4 (asphalt arisings) Unbound mixture to SHW Cl. 807.
3. Concrete block paving shall be 200mm x 100mm x 80mm concrete blocks in accordance with BS EN 1338.
4. No block cut smaller than one third of its original plan area shall be used.
5. Granite Setts shall be 100mm x 100mm x 100mm in accordance with BS EN 1342.
6. Granite Setts shall be laid in accordance with BS 7533-7 (moist mix laying with vibratory compaction).
7. Granite Setts shall be laid on 40mm thick fine bedding concrete in accordance with BS 7533-7 C.2.1.
8. Joints between granite setts shall be nominal 20mm wide.
9. Jointing Mortar shall be in accordance with BS 7533-7 C.2.2.

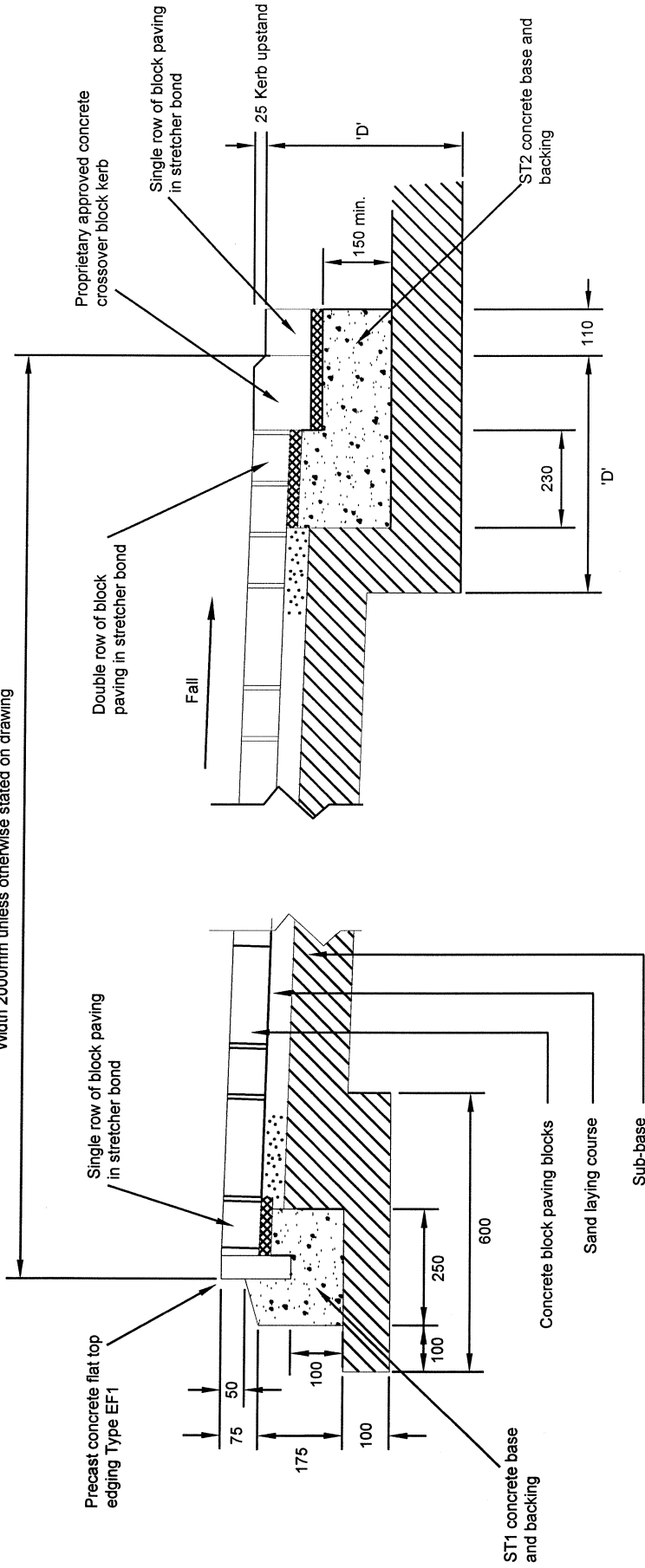
Width 2000mm unless shown otherwise on drawing



Notes

1. All dimensions in millimetres.
2. Kerbs shall be bedded on designation (i) mortar of nominal 20mm thickness (tolerance shall be -10mm +20mm).
3. Concrete kerbs shall be 125mm x 150mm type BN in accordance with BS EN 1340.
4. Footway construction shall be in accordance with Coventry City Council specification.
5. Sub-base shall be Type 1 Granular Mixture to SHW Cl. 803 or Type 4 (asphalt arisings) Unbound Mixture to SHW Cl. 807.

Width 2000mm unless otherwise stated on drawing



Notes

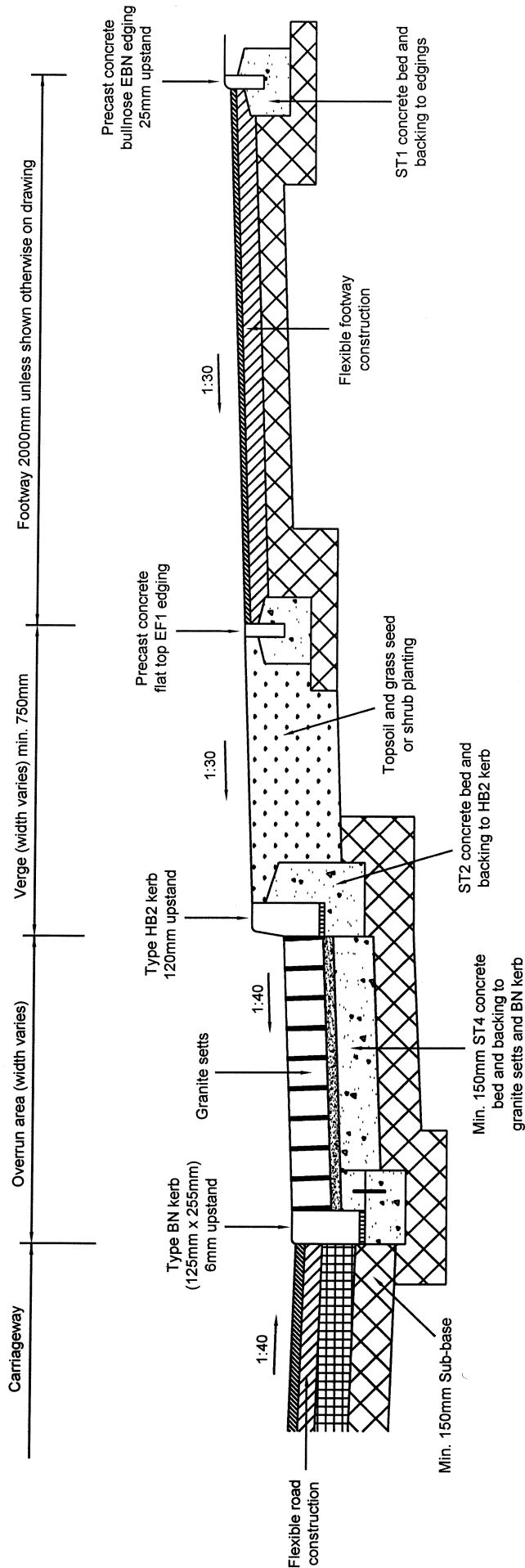
1. All dimensions are in millimetres.
2. Kerbs shall be bedded on designation (i) mortar of nominal 20mm thickness (tolerance shall be -10mm +20mm).
3. Block paving on concrete bed shall be bedded on 30mm thick designation (i) mortar.
4. Sand Laying course shall be 30mm thick Category II sand in accordance with BS 7533-3 (tolerance -5mm +10mm).
4. Concrete block paving shall be 200mm x 100mm x 80mm concrete blocks in accordance with BS EN 1338.
5. Block paving shall be laid in 45° or 90° herringbone bond with a single row of stretcher bond at rear of footway and double row of stretcher bond behind the kerb.
6. No block cut smaller than one third of its original plan area shall be used.
7. Sub-base shall be Type 1 Granular Mixture to SHW Cl. 803 or Type 4 (asphalt arisings) Unbound Mixture to SHW Cl. 807.



HIGHWAY DESIGN GUIDE
TYPICAL FEATURES

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CROSS SECTION THROUGH BLOCK
PAVED VEHICLE CROSSING
TF06



Notes

1. All dimensions are in millimetres.
2. Kerbs shall be bedded on designation (i) mortar of nominal 20mm thickness (tolerance shall be -10mm +20mm).
3. Concrete kerbs shall be 125mm x 255mm Type HB2 and 125mm x 255mm Type BN in accordance with BS EN 1340.
4. Granite setts shall be 100mm x 100mm x 150mm in accordance with BS EN 1342.
5. Granite setts shall be laid in accordance with BS 7533-7 (moist mix laying with vibratory compaction).
6. Granite setts shall be laid on 40mm thick fine bedding concrete in accordance with BS 7533-7 C.2.1.
7. Joints between granite setts shall be 10-15mm wide. Jointing mortar shall be in accordance with BS 7533-7 C.2.2.
8. Flexible road and footway construction shall be in accordance with Coventry City Council specification.
9. Sub-base shall be Type 1 Granular Mixture to SHW Cl. 803 or Type 4 (asphalt arisings) Unbound Mixture to SHW Cl. 807.



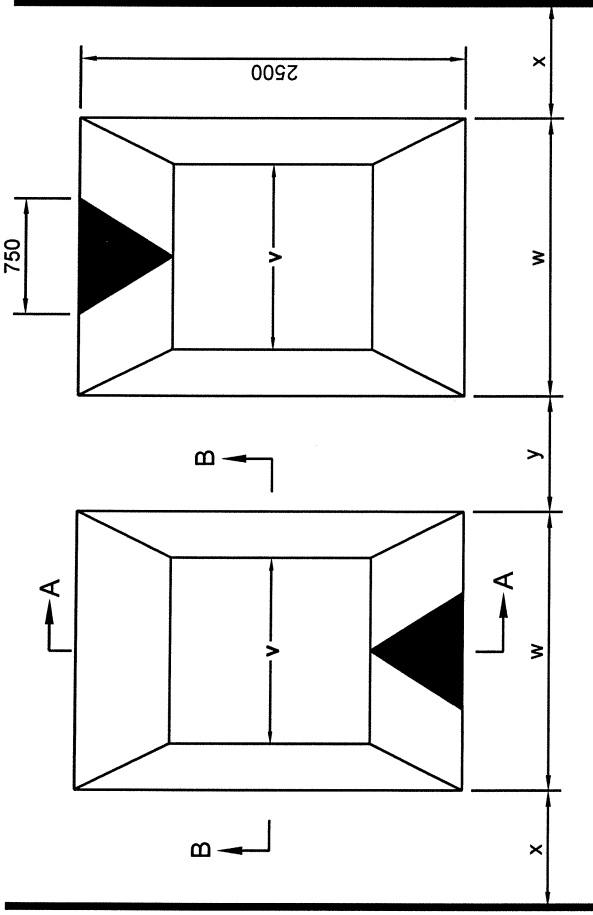
Coventry City Council

HIGHWAY DESIGN GUIDE
TYPICAL FEATURES

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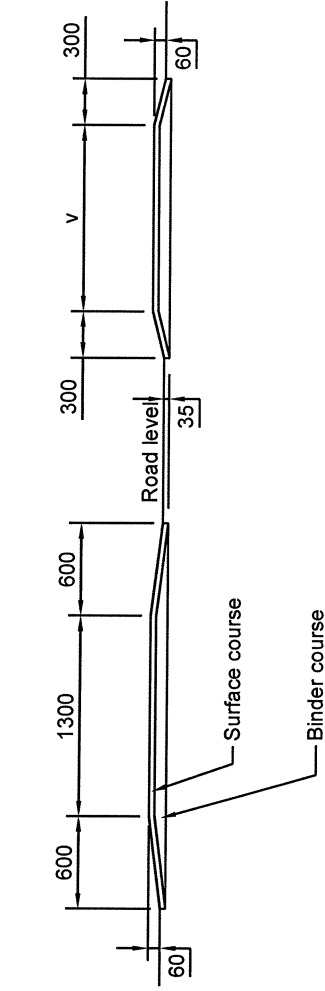
SPEED CONTROL BEND DETAIL
TF07

Edge of carriageway



SECTION 'AA'

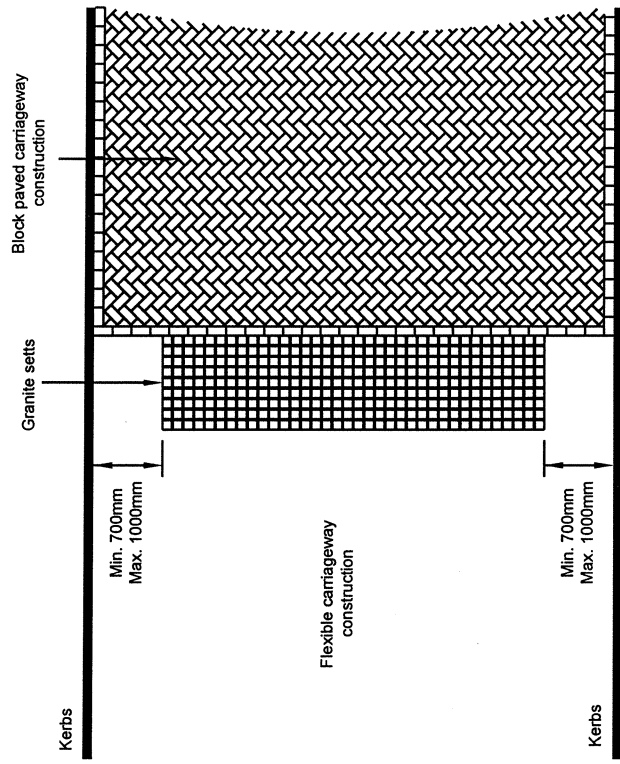
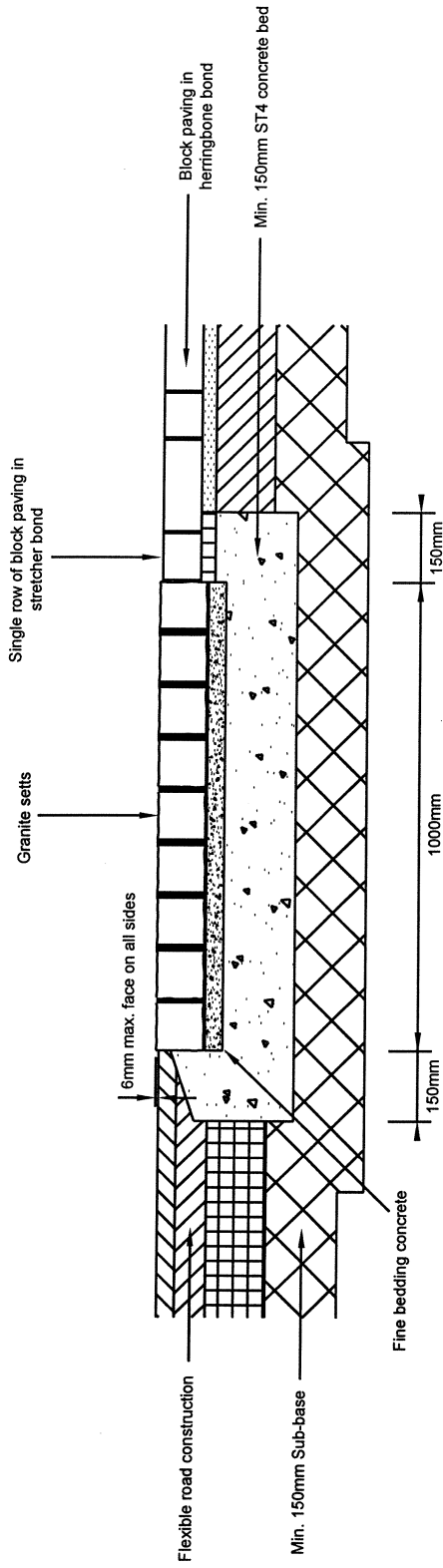
SECTION 'BB'



Tolerances	Cushion spacings		
	x	Cushion w	
Min	500mm	1900mm	1300mm
Max	1200mm	2000mm	1400mm
Ideal	750mm	-	1000mm

Notes

1. All dimensions are in millimetres.
2. Existing road surface shall be broken out or planed to a depth of at least 35mm. All edges shall be saw cut.
3. Cushions shall be constructed using bituminous materials.
4. Surface course shall be asphalt concrete (AC6 dense surf 100/150) in accordance with BS EN 13108-1 and PD 6691 Annex B.
5. Binder course shall be asphalt concrete (AC20 dense surf 40/60) in accordance with BS EN 13108-1 and PD 6691 Annex B.
6. Finished level of speed cushions shall be 75mm above existing surface level (or 60mm on bus routes)
7. Cushions shall be placed in the centre of the running lane with an ideal minimum distance of 750mm between the edge of the cushion and the kerb (absolute minimum of 500mm).
8. Cushion width and spacing shall be adjusted according to the carriageway width. Cushion dimensions and tolerances as shown in the table.
9. A triangle marking to Diagram 1062 shall be applied to the traffic facing edge of each cushion.



Notes

1. All dimensions are in millimetres.
2. Sub-base shall be Type 1 Granular Mixture to SHW Cl. 803 or Type 4 (asphalt arisings) Unbound mixture to SHW Cl. 807.
3. Concrete block paving shall be 200mm x 100mm x 80mm concrete blocks in accordance with BS EN 1338.
4. No block cut smaller than one third of its original plan area shall be used.
5. Granite Setts shall be 100mm x 100mm x 100mm in accordance with BS EN 1342.
6. Granite Setts shall be laid in accordance with BS 7533-7 (moist mix laying with vibratory compaction).
7. Granite Setts shall be laid on 40mm thick fine bedding concrete in accordance with BS 7533-7 C.2.1.
8. Joints between granite setts shall be nominal 20mm wide.
9. Jointing Mortar shall be in accordance with BS 7533-7 C.2.2.

HIGHWAY DESIGN GUIDE
TYPICAL FEATURES

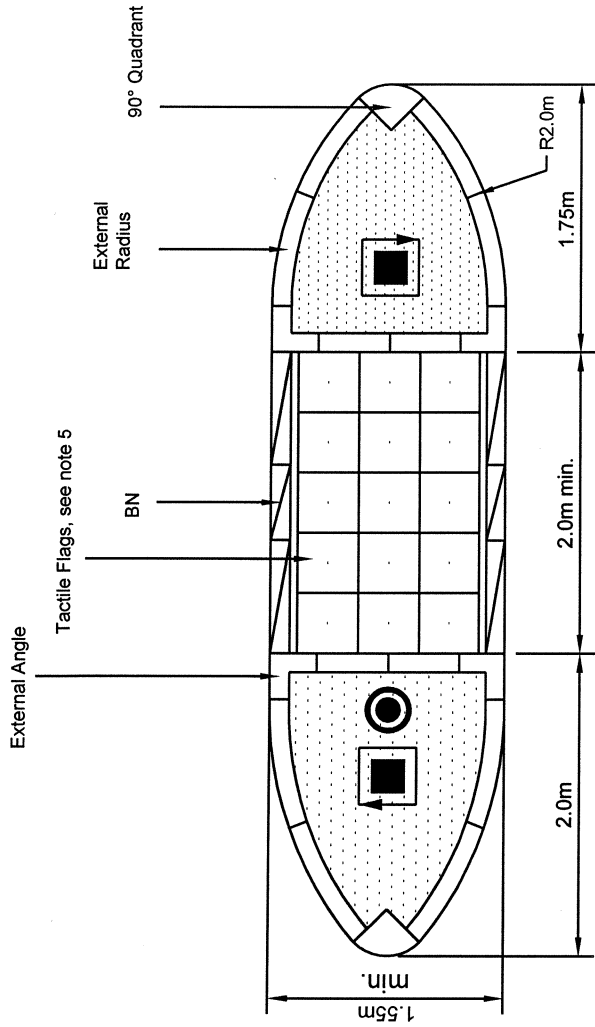
These details are not intended to be prescriptive and developers are encouraged to consider and submit alternative features and materials for approval

TRAFFIC CALMING FEATURE
RUMBLE STRIP/TRANSITION STRIP
TF09



Notes

1. Kerbs shall be bedded on designation (i) mortar of nominal 20mm thickness (tolerance shall be -10mm +20mm).
2. Concrete kerbs shall be 125mm x 255mm Type HB2 and 125mm x 150mm Type BN in accordance with BN EN 1340.
3. No kerb cut less than 300mm in length shall be used.
4. Tactile paving shall be blister Type TAVF flags (400mm x 400mm x 65mm) in accordance with BS EN 1339.
5. Domes on the tactile paving flags must align exactly with domes on the opposite sides of the crossing.
6. A solid white line in thermoplastic screed shall be applied on top of each BN kerb after application of suitable tack coat.
7. Concrete tactile paving flags shall be 65mm thick concrete flags on 30mm thick designation (i) mortar bed on 100mm thick ST2 concrete base on 100mm thick sub-base.
8. Sub-base shall be Type 1 Granular Mixture to SHW Cl. 803 or Type 4 (asphalt arisings) Unbound Mixture to SHW Cl. 807.
9. Crossing width to be min. 2m on a cycle route or where cyclists are expected to cross the road.



TMP Heritage Solalite Plus (solar powered), or similar approved illuminated flexible bollard, with 280mm diameter 'Keep Left' panel to Diag. 610 where no beacon pole is provided or TMP Flecta, or similar approved flexible bollard, with 280mm diameter 'Keep Left' panel to Diag. 610 where a beacon pole is provided.

Simmonsins Centrenol Pedestrian Refuge Beacon with 8 no. 8 watt LED lighting units operating via a 24 volt ac transformer with photocell switching, or similar approved. The photocells should switch on at 35 lux and switch off at 16 lux. The Centrenol beacon should be mounted on either:

- 1) A raise and lower column with a minimum base size of 168mm and a shaft size of 114mm. The beacon should be mounted so that the top of the beacon is 5 metres above the finished road surface.
- 2) Simmonsins Passafe demountable post system comprising a 114mm o/d extruded aluminium post fitted to a heavy duty cast aluminium LM6M marine grade alloy mounted within a rotationally moulded UV stabilised black foundation duct. The beacon should be mounted so that the top of the beacon is 5 metres above the finished road surface.

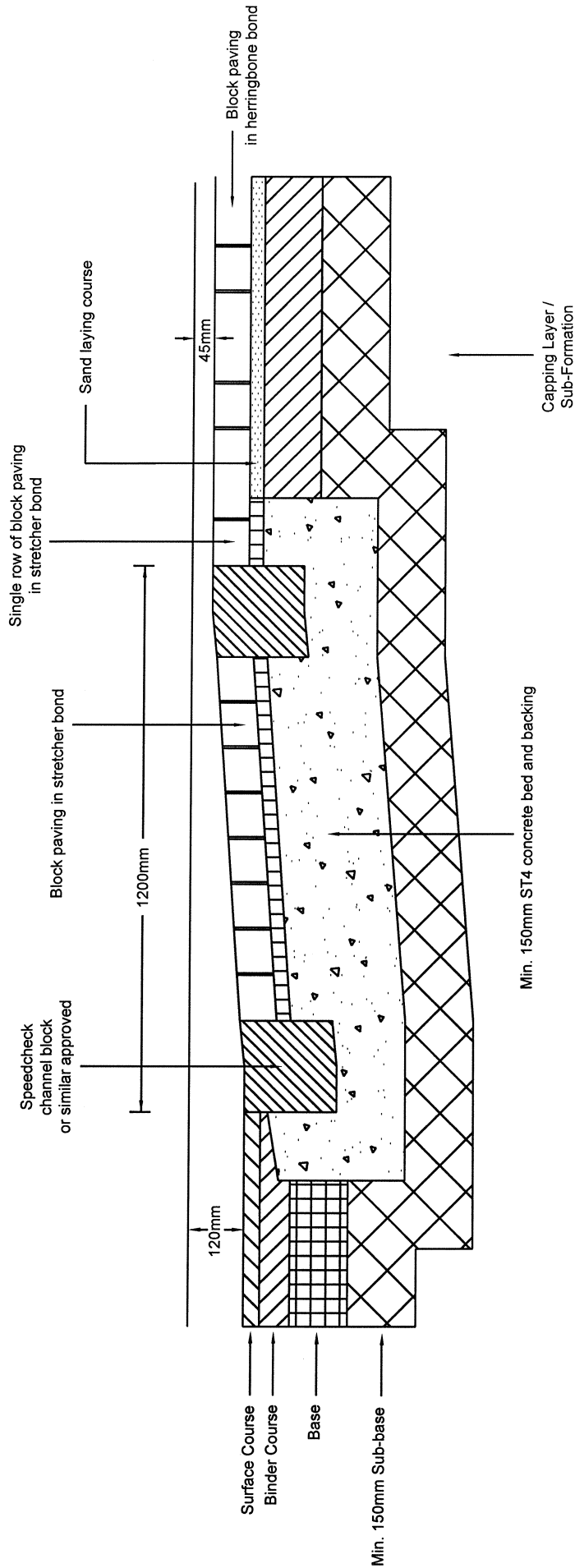
The beacon pole should be fitted with 2 no. 600mm diameter Diagram no. 610 'Keep Left' internally illuminated Simmonsins Invinca signs, illuminated via Simmonsins Invinca LED Light Engine complete with photocell switching, or similar approved.



**HIGHWAY DESIGN GUIDE
TYPICAL FEATURES**

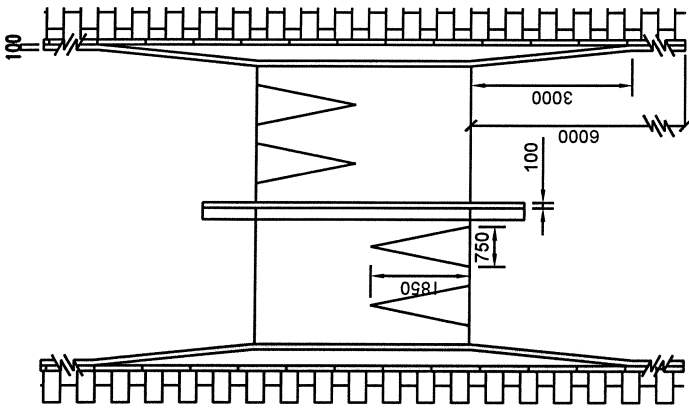
These details are not intended to be prescriptive and developers are encouraged to consider and submit alternative features and materials for approval

**TYPICAL LAYOUT FOR
CENTRAL REFUGES
TF-10**

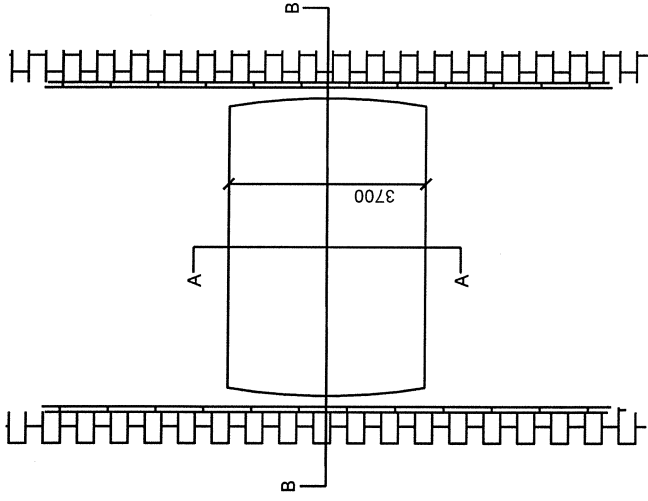


Notes

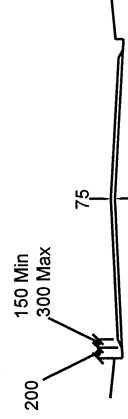
1. Kerbs shall be bedded on designation (i) mortar of nominal 20mm thickness (tolerance shall be -10mm +20mm).
2. Concrete kerbs shall be 125mm x 255mm Type HB2 and 125mm x 150mm Type BN in accordance with BS EN 1340.
3. Block paving on concrete bed shall be bedded on 30mm thick designation (i) mortar.
4. Sand laying course shall be 30mm thick Category II sand in accordance with BS 7533-3 (tolerance shall be -5mm +10mm).
5. Concrete block paving shall be 200mm x 100mm x 80mm concrete blocks in accordance with BS EN 1338.
6. Colour of block paving and speedcheck blocks shall contrast as shown on drawings.
7. Block paving shall be laid in 45° or 90° herringbone bond. The ramp shall be constructed in stretcher bond.
8. No block cut smaller than one third of its original plan area shall be used.
9. Sub-base shall be Type 1 Granular Mixture to SHW Cl. 803 or Type 4 (asphalt anisings) Unbound Mixture to SHW Cl. 807.



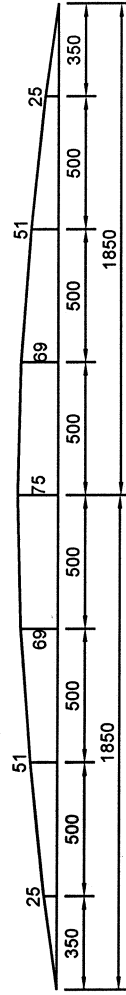
Lining Detail
Scale 1:100



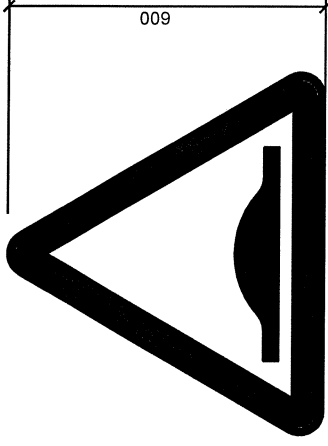
Round Top Hump Plan View
Scale 1:100



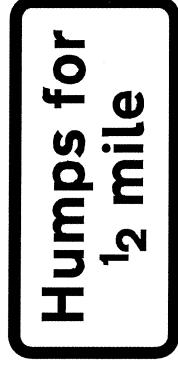
Cross Section
B-B Scale 1:100



Cross Section A-A
Scale 1:20



Sign Ref A (Dia. 557.1)



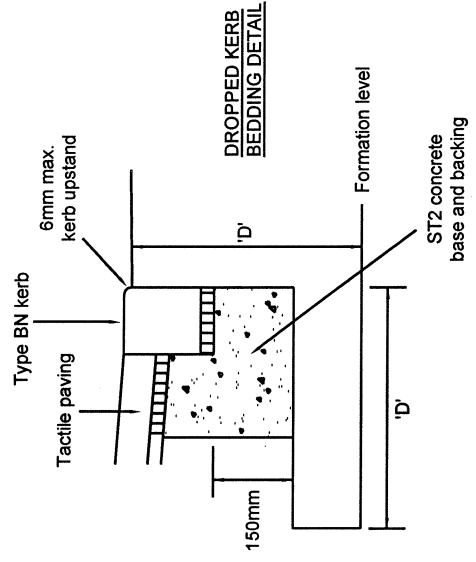
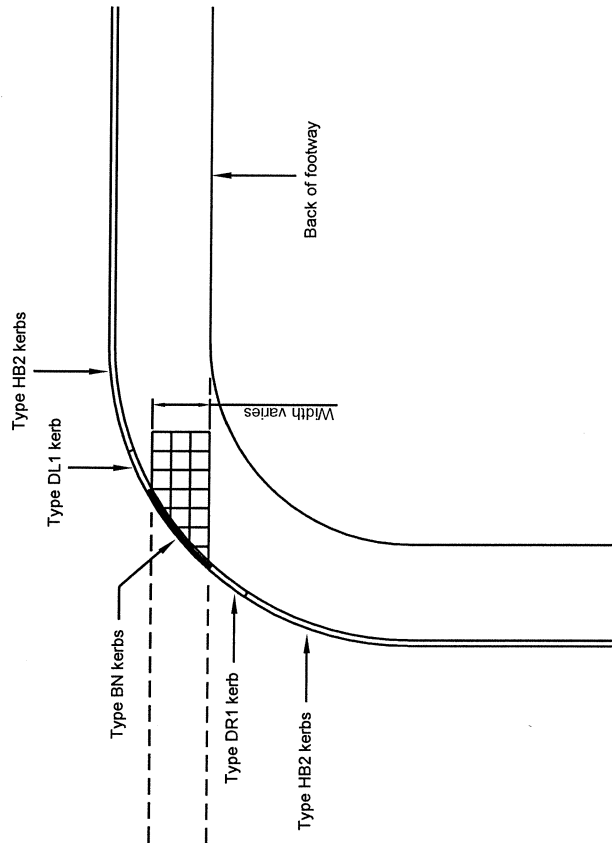
Sign Ref B (Dia. 557.2)
x-height = 50



Sign Ref C (Dia. 557.3)
x-height = 50

Notes

1. All dimensions are in millimetres.
2. Signing and lining in accordance with Traffic Signs Regulations and General Directions.



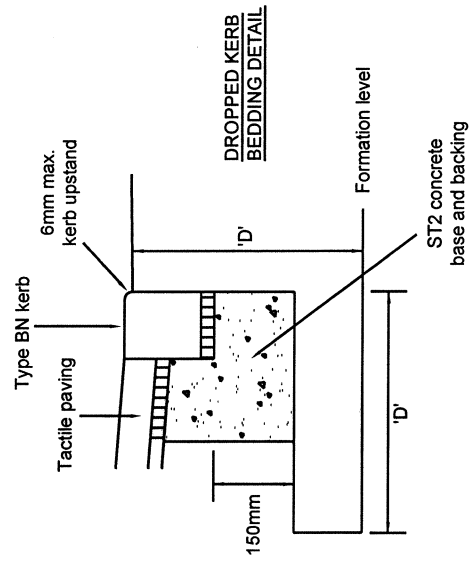
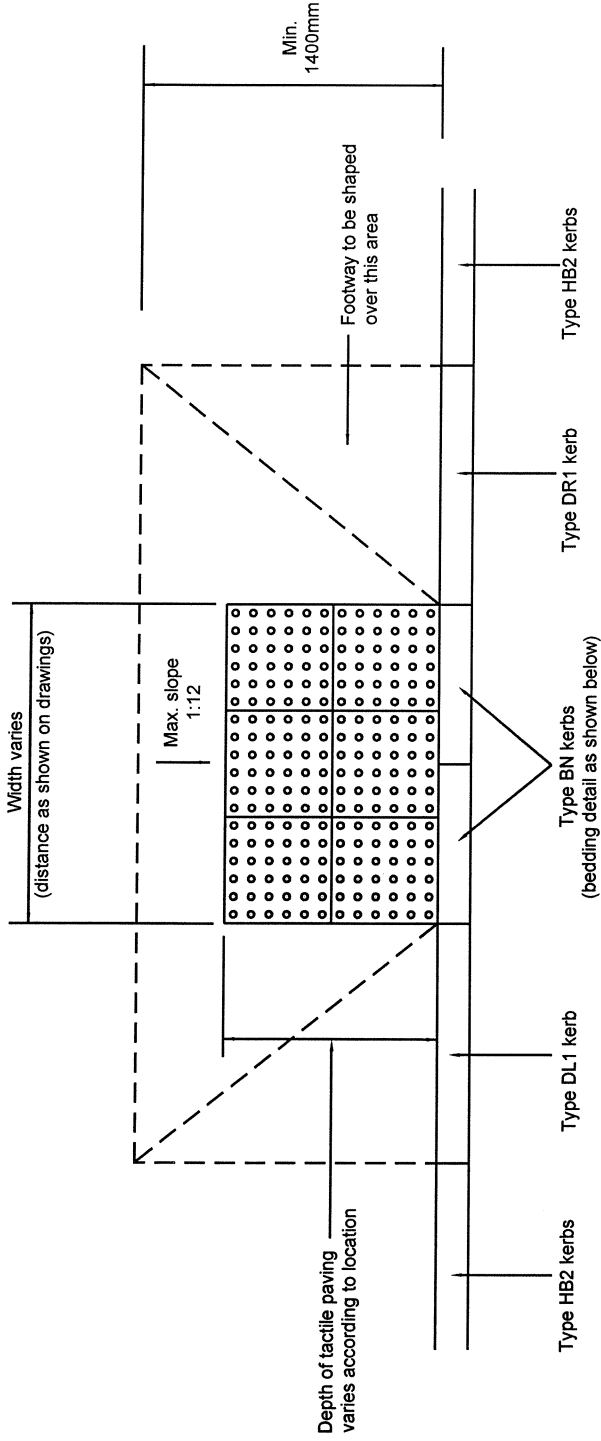
Notes

1. Kerbs shall be bedded on designation (i) mortar of nominal 20mm thickness (tolerance shall be -10mm +20mm).
2. Kerbs shall be 125mm x 255mm Type HB2 and 125mm x 150mm Type BN in accordance with BS EN 1340.
3. Tactile paving shall be blister Type TAF flags (400mm x 400mm x 65mm) buff in colour.
4. Domes on the tactile paving flags must align exactly with domes on the opposite side of the crossing.
5. A solid white line in thermoplastic screed shall be applied on top of each BN kerb after application of a suitable tack coat.
6. Tactile paving flags shall be 65mm thick concrete flags on 30mm thick designation (i) mortar bed on 100mm thick ST2 concrete base on 100mm thick sub-base.
7. Sub-base shall be Type 1 Granular Mixture to SHW Cl. 803 or Type 4 (asphalt arisings) Unbound Mixture to SHW Cl. 807.
8. Footway gradient to dropped kerb in area of tactile paving to be 1:12 max.

**HIGHWAY DESIGN GUIDE
TYPICAL FEATURES**

**TYPICAL DETAIL OF TACTILE PAVING
AT UNCONTROLLED CROSSING POINT
AT JUNCTION
TF13**

These details are not intended to be prescriptive and developers are encouraged to consider and submit alternative features and materials for approval



Notes

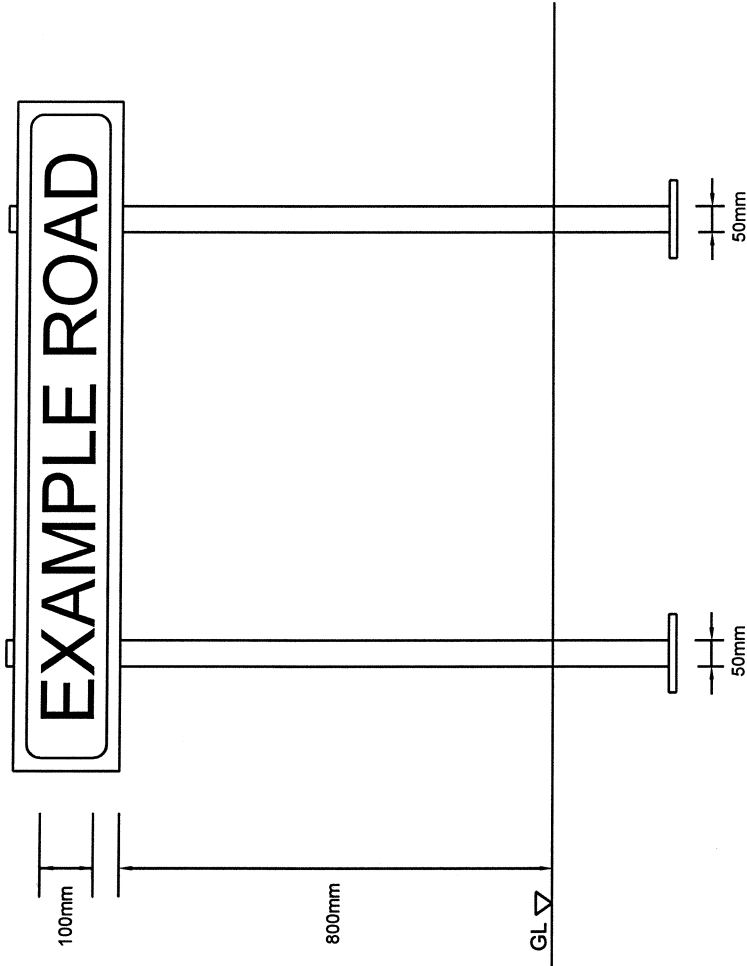
1. Kerbs shall be bedded on designation (i) mortar of nominal 20mm thickness (tolerance shall be -10mm +20mm).
2. Kerbs shall be 125mm x 255mm Type HB2 and 125mm x 150mm Type BN in accordance with BS EN 1340.
3. Tactile paving shall be blister Type TA/F flags (400mm x 400mm x 65mm) buff in colour.
4. Domes on the tactile paving flags must align exactly with domes on the opposite side of the crossing.
5. A solid white line in thermoplastic screed shall be applied on top of each BN kerb after application of a suitable tack coat.
6. Tactile paving flags shall be 65mm thick concrete flags on 30mm thick designation (i) mortar bed on 100mm thick ST2 concrete base on 100mm thick sub-base.
7. Sub-base shall be Type 1 Granular Mixture to SHW Cl. 803 or Type 4 (asphalt arisings) Unbound Mixture to SHW Cl. 807.



**HIGHWAY DESIGN GUIDE
TYPICAL FEATURES**

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**TYPICAL DETAIL OF TACTILE PAVING AT
UNCONTROLLED PEDESTRIAN CROSSING
AWAY FROM JUNCTION
TF14**



Notes

1. Letters are to be 100mm high raised DFT characters with raised border.
2. Additional information on the sign is to have a letter height of 50mm.
3. Letters and border are to be black on a white background.
4. The sign plate is to be made from 11 gauge aluminium sheet.
5. Finish on fascia plate to be Class Ref 1 (BS EN 12899-1:2001) reflectorised.
6. The sign mountings are to be manufactured from angle iron with welded mitre joints.
7. The legs are to be square in section with base plates and PVC top caps.
8. The stands are to be made from 40mm x 40mm x 3mm angle irons to form a frame for the nameplate.
9. The legs shall be 50mm x 50mm x 2mm x 1200mm long complete with baseplate. Legs shall be lengthened by 150mm for each additional line of text.
10. Frame and legs are to be hot dipped galvanised to BS729 after manufacture.
11. The mounting height for the nameplate shall be 800mm.
12. Foundations shall be ST2 concrete with nominal cover.
13. Roads such as culs-de-sac with no through route for vehicular traffic shall have a Dia. 816.1 sign on the right side of the sign plate.



**HIGHWAY DESIGN GUIDE
TYPICAL FEATURES**

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**STREET NAMEPLATE SPECIFICATION
TF-15**