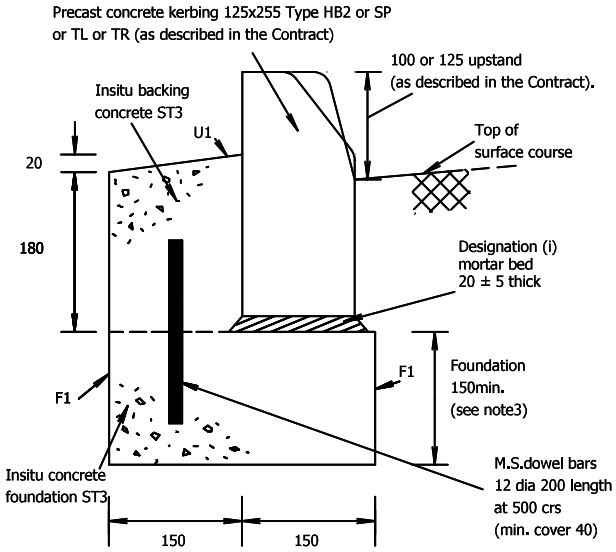


DIAGRAM 1 - KERB TYPE K1, K2, T1 OR T2 CONSTRUCTION

(NORMAL CARRIAGEWAY EDGE)
(CONSTRUCTION USING MORTAR BED ON NEW CONCRETE FOUNDATION
ADJACENT TO FLEXIBLE/COMPOSITE PAVEMENT CONSTRUCTION)

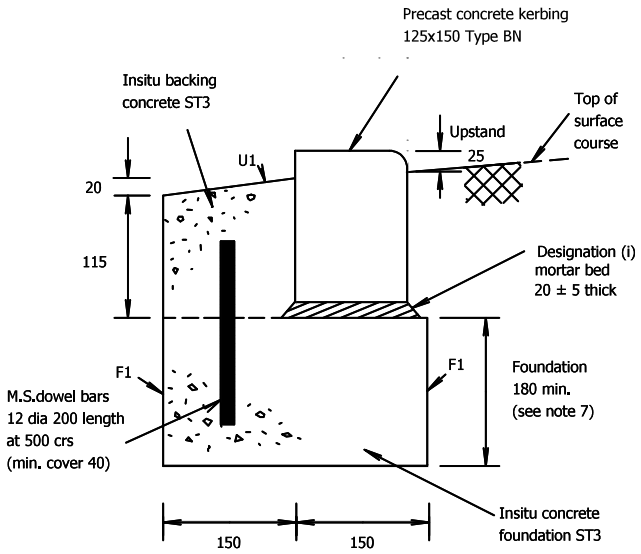


DIAGRAM 2 - KERB TYPE K3 CONSTRUCTION

(CARRIAGEWAY EDGE PERMITTING VEHICLE OVERRUN)
(CONSTRUCTION USING MORTAR BED ON NEW CONCRETE FOUNDATION
ADJACENT TO FLEXIBLE/COMPOSITE PAVEMENT CONSTRUCTION)

DIAGRAM 3 - As diagram 2 but kerb up-stand 0 to 6 max.

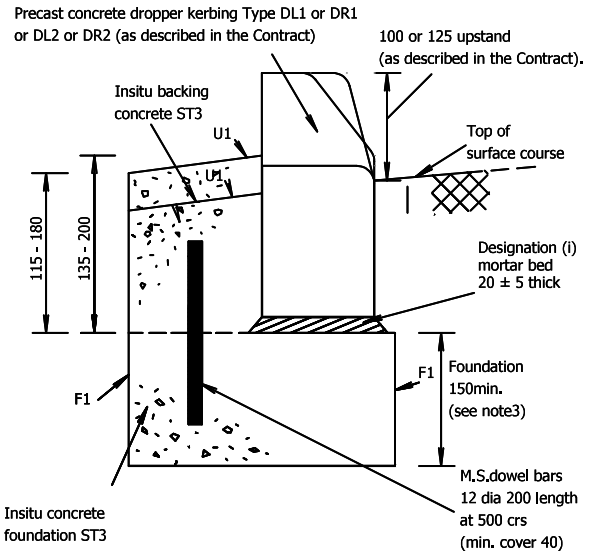


DIAGRAM 4 - KERB TYPE T3, T4, T5 OR T6 CONSTRUCTION

(NORMAL CARRIAGEWAY EDGE)
(CONSTRUCTION USING MORTAR BED ON NEW CONCRETE FOUNDATION
ADJACENT TO FLEXIBLE/COMPOSITE PAVEMENT CONSTRUCTION)

NOTES

1. All dimensions are in millimetres.
2. Where Kerbing is to be laid to a radius of 12m or less, then radius kerbs shall be used to radii shown in BSEN 1340:2003.
3. (i) When depth from top of foundation concrete to top surface of sub-base material is 150mm or more, the foundation concrete shall extend to the whole of this depth.
   (ii) When depth from top of foundation concrete to top surface of sub-base material is less than 150mm , the foundation concrete shall be 150mm thick and the sub-base material shall be excavated to obtain the foundation dimensions.
4. Foundation and backing concrete dimensions may locally vary at gully, duct marker slab, and dropper kerb positions.
5. Expansion and contraction joints, drainage holes or pipes through concrete are as described in Appendix 11/1.
6. Kerbs are to be laid with a 2-4mm gap between units, unless stated otherwise in manufacturer specification.
7. The location of quadrants, dropper kerbs and other special units are as shown on the Drawings, and shall be considered part of the predominant adjoining kerb "type" for measurement purposes.
8. As note 3, but for 150 read 180.
9. Thickness and extent of sub-base under kerb foundations is as shown to the outlines stated in the Contract.
10. Kerbs shall be manufactured by a wet press process and shall comply with BS EN 1340:2003.
11. Bedding mortar not required if wet laying whilst concrete is still fresh (to be agreed with supervisor).
12. If other standard kerb types are required their backing and foundation to be based on the most appropriate detail from this drawing. e.g. HB1 Kerb as Diagram 1 but backing to be 230.

Rev	Detail	By	Date
Revisions			

Original Version		Preliminary	
		For comment	
Drawn: RS		For tender	
Design: RS		For construction	✓
		As constructed	
Date: June 2019		Other	

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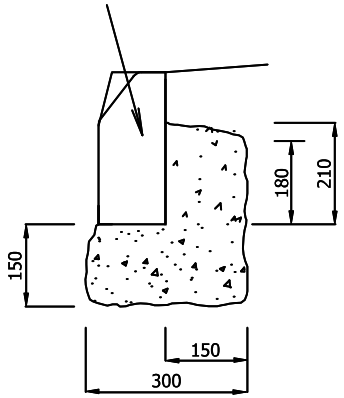
Project Name
Highway Works Details
Series 1100

Drawing Title
Kerbing Details with
Dowel Bar

Grid reference :	
Original Drawing Size : A4	Dimensions : mm
Scale : NTS	Copyright © Amey SCC

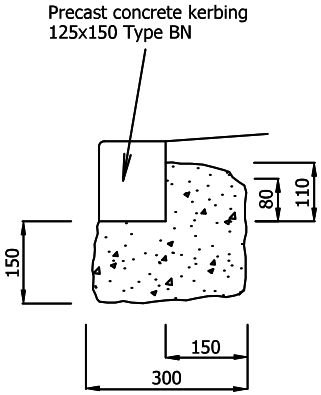
Drawing No	Rev
11.01	C1

Precast concrete kerbing 125x255 Type HB2 or SP or TL or TR (as described in the Contract)



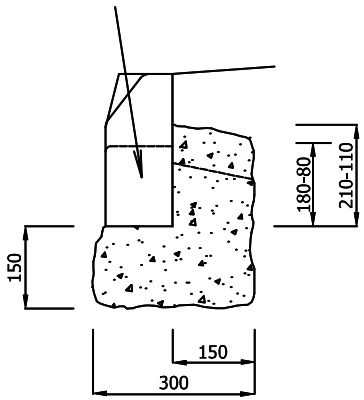
KERB TYPE K6, K7, T8 OR T9 CONSTRUCTION

Precast concrete kerbing 125x150 Type BN

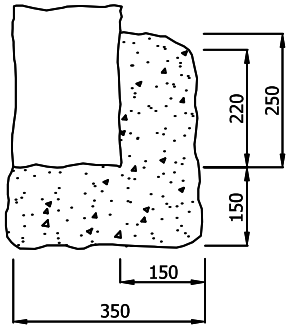


KERB TYPE K8 CONSTRUCTION

Precast concrete dropper kerbing Type DL1 or DR1 or DL2 or DR2 (as described in the Contract)



KERB TYPE T10, T11, T12 OR T13 CONSTRUCTION



Granite or stone kerb

KERB TYPE K CONSTRUCTION

NOTES

1. All dimensions are in millimetres.
2. Kerb face dimension to be 125mm or as instructed otherwise.
3. Foundation and backing concrete to be mix ST3.
4. Where Kerbing is to be laid to a radius of 12m or less, then radius kerbs shall be used to radii shown in BSEN 1340:2003.
5. Expansion and contraction joints, drainage holes or pipes through concrete are as described in Appendix 11/1.
6. Kerbs are to be laid with a 2-4mm gap between units, unless stated otherwise in manufacturer specification.
7. The location of quadrants, dropper kerbs and other special units are as shown on the Drawings, and shall be considered part of the predominant adjoining kerb "type" for measurement purposes.
8. Thickness and extent of sub-base under kerb foundations is as shown to the outlines stated in the Contract.
9. Kerbs shall be manufactured by a wet press process and shall comply with BS EN 1340:2003.
10. Bedding mortar not required if wet laying whilst concrete is still fresh (to be agreed with supervisor).
11. Installation of Kerbs referenced in this drawing is for maintenance and replacement works only unless agreed with supervising engineer.
12. If other standard kerb types are required their backing and foundation to be based on the most appropriate detail from this drawing. e.g. HB1 Kerb as Diagram 1 but backing to be 230.

Rev	Detail	By	Date
Revisions			

Original Version		Preliminary	
		For comment	
Drawn: RS		For tender	
Design: RS		For construction	✓
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Date: November 2019		Other	

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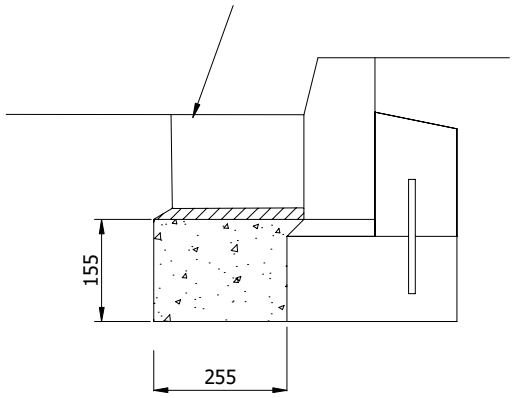
Project Name
Highway Works Details
Series 1100

Drawing Title
Kerbing Details

Grid reference :	
Original Drawing Size : A4	Dimensions : mm
Scale : NTS	Copyright © Amey SCC

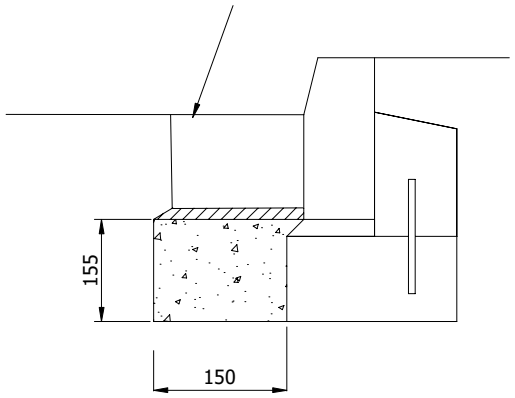
Drawing No	Rev
11.02	C1

Precast Concrete Channel Type CS1



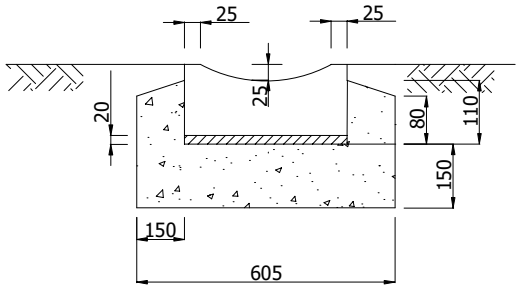
SQUARE CHANNEL
Type CS1

Precast Concrete Channel Type CS2

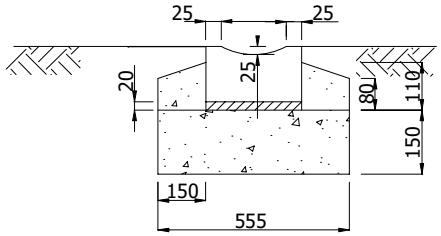


SQUARE CHANNEL
Type CS2

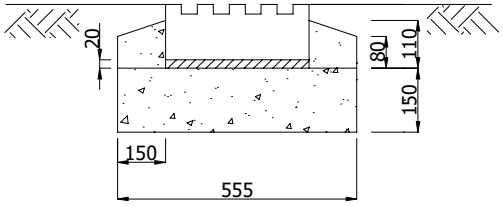
KERB TYPE K7, K8, T8 OR T9 CONSTRUCTION



DISHED CHANNEL BLOCKS
Type CD 1 90 x 305



DISHED CHANNEL BLOCKS
Type CD 2 125 x 255



CHANNEL BLOCKS
Type CD 3

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES
2. Foundation and backing concrete to be ST3
3. Channels to be hydraulically pressed.
4. Channel to be bedded on Designation (i) mortar (Clause 2404)
5. Where kerbing is shown to be laid to a radius of 12m or less, then radius channels shall be used to radius shown from BSEN 1340:2003
6. Channels are to be laid with a 2-4mm gap between units, unless stated otherwise in manufacturer specification.
7. For kerbing details refer to HWD 11.01

Rev	Detail	By	Date

Revisions

Original Version		Preliminary	
		For comment	
Drawn: RS		For tender	
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		As constructed	
Date: May 2019		Other	

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Date: 2019.09.02 11:26:11 +01'00'

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Digitally signed by Mike Smith
Date: 2019.09.06 11:04:19 +01'00'

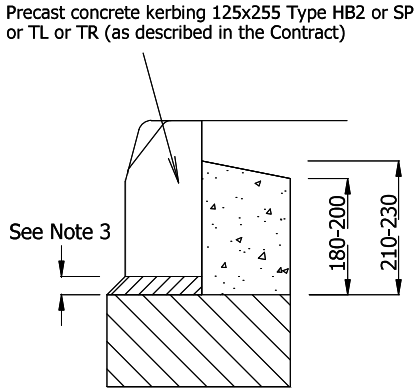
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Project Name
Highway Works Details
Series 1100

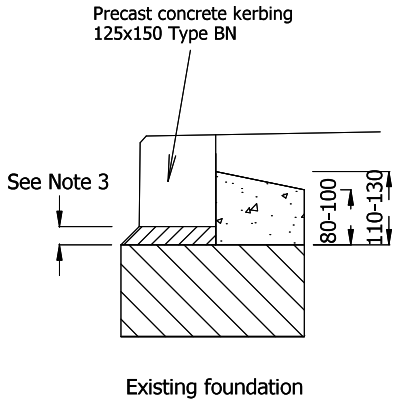
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Precast Concrete Channels

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Scale : NTS	Copyright © Amey SCC

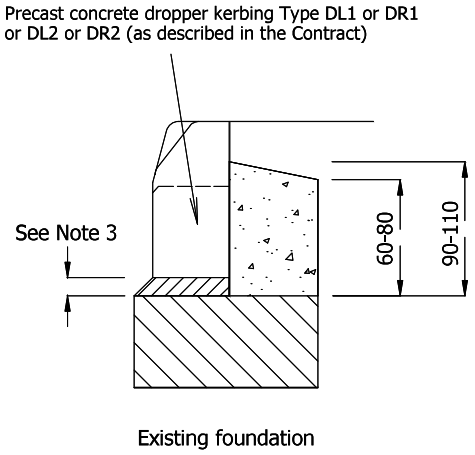
Drawing No	Rev
11.03	C0



KERB TYPE K11, K12, T14 OR T15 CONSTRUCTION



KERB TYPE K13 CONSTRUCTION



KERB TYPE T16, T17, T18 OR T19 CONSTRUCTION

NOTES

1. All dimensions are in millimetres.
2. Kerb face dimension to be 125mm or as instructed otherwise.
3. Backing concrete to be mix ST3.
4. Kerb bedding dependent on bed thickness
   - 4.1. 20-40mm designation (i) mortar (Clause 2404)
   - 4.2. 40-100mm P300 concrete
   - 4.3. 100+ mm ST3 concrete
5. Where kerbing is to be laid to a radius of 12m or less then radius kerbs shall be used to radius shown from BS EN 1340:2003.
6. Kerbs are to be laid with a 2-4mm gap between units, unless stated otherwise in manufacturer specification.
7. Installation of Kerbs referenced in this drawing is for maintenance and replacement works only.

Rev	Detail	By	Date
Revisions			

Original Version		Preliminary	
		For comment	
Drawn: RS		For tender	
Design: RS		For construction	✓
		As constructed	
Date: Aug 2019		Other	

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Digitally signed by Mike Smith
Date: 2019.10.24 03:37:38 +01'00'

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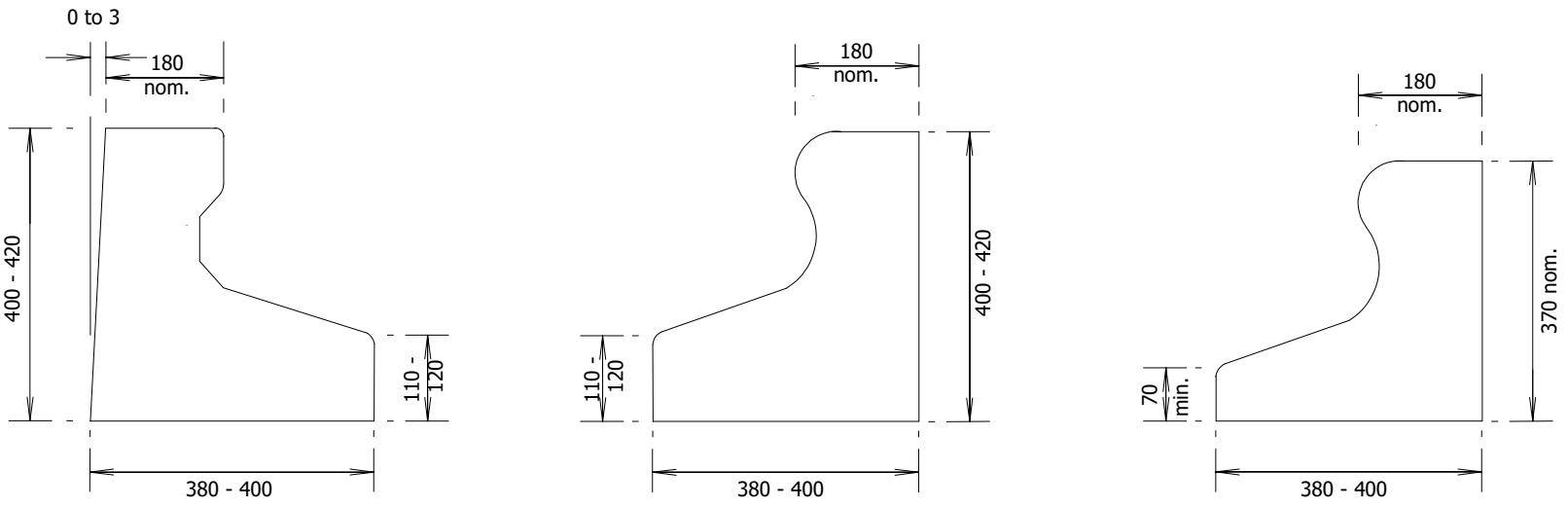
Project Name
Highway Works Details
Series 1100

Drawing Title
Kerbing Details on Existing Foundations

Grid reference :	
Original Drawing Size : A4	Dimensions : mm
Scale : NTS	Copyright © Amey SCC

Drawing No	Rev
11.04	C0

A4



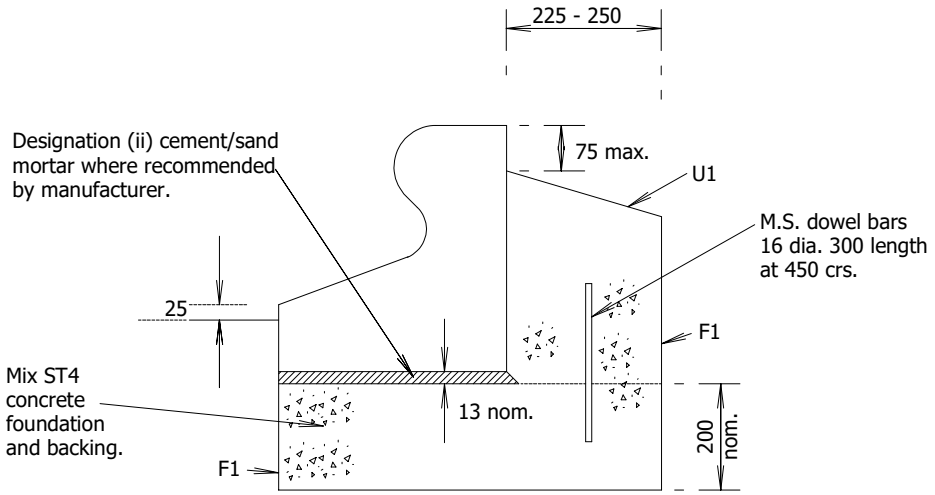
Standard Carriageway Designs:-

(angular faced)

(curved faced)

Reduced Height Design

TYPICAL PROFILES OF HIGH CONTAINMENT KERB SYSTEMS



TYPICAL INSTALLATION DETAILS

NOTES

1. All dimensions are in millimetres
2. These kerb systems shall be Contractor-designed features.
3. Reduced-height designs shall be used only in locations required by the Contract.
4. Installation details may be location specific, see requirements in the contract.
5. Kerbs are to be laid with a gap between units in accordance with the manufacturer's specification.

Rev	Detail	By	Date

Revisions

Original Version		Preliminary	
		For comment	
Drawn: RS		For tender	
Design: RS		For construction	✓
		As constructed	
Date: June 2019		Other	

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Digitally signed by Mike Smith
Date: 2019.09.06 11:07:38 +01'00'

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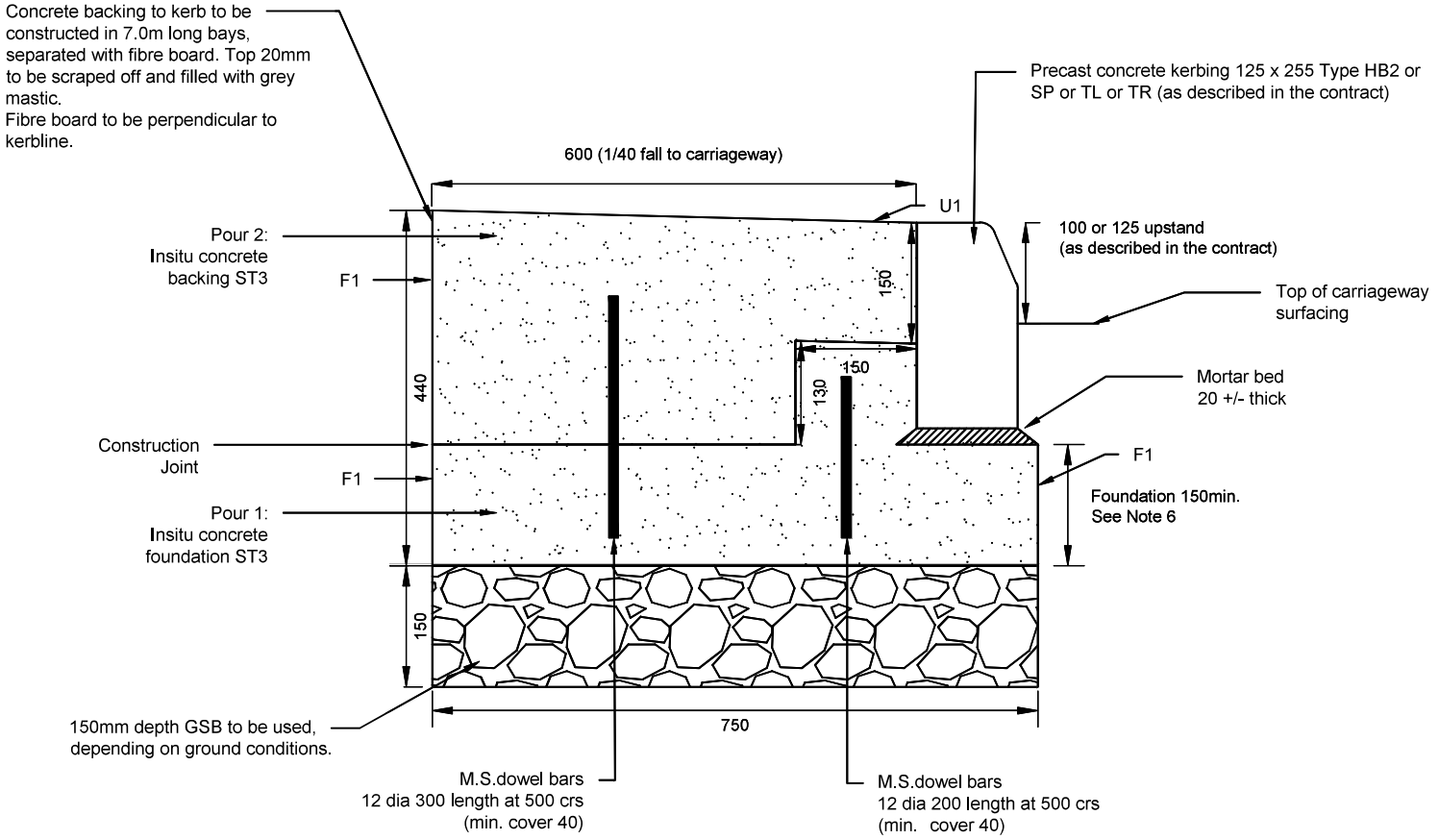
Drawing Title

Precast Concrete Kerbing -
High Containment System

Grid reference :	
Original Drawing Size : A4	Dimensions : mm
Scale : NTS	Copyright © Amey SCC

Drawing No	Rev
11.05	C0

A4



NOTES:

1. All dimensions in millimetres.
2. Kerbs to be installed as per HWD 11.01 Kerbing Details with Dowel Bars. This detail is for overrun/additional kerb backing only.
3. Kerb profile and upstand as described in the works information.
4. If the flush backing strip is to be laid on an existing kerbed roundabout or overrun area, the backing should be broken out to 150mm below the top of the kerb or removed and replaced to full kerb depths.
5. Concrete should always be vibrated with brush finish.
6. Kerb foundation depth
   - 6.1. When depth from top of foundation concrete to top surface of sub-base material is 150mm or more, the foundation concrete shall extend to the whole of this depth.
   - 6.2. When depth from top of foundation concrete to top surface of sub-base material is less than 150mm, the foundation concrete shall be 150mm thick and the sub-base material shall be excavated to obtain the minimum foundation depth.

Rev	Detail	By	Date
R0	Original drawing	RS	22/12/2025

Revisions

Original Version

Drawn: RS
Design: RS

Date: December 2025 Other

Checked by:- Mohankumar, Mahesh (Place) Digitally signed by Mohankumar, Mahesh (Place) Date: 2026.03.04 09:24:45 Z

Approved by:- (Drawing NOT approved if this box is empty) Digitally signed by Smith, Michael S (Place) Date: 2026.03.04 09:42:26 Z

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Project Name
Highway Works Details Series 1100

Drawing Title
Concrete Backing Kerbing Details for Roundabouts Overrun Area

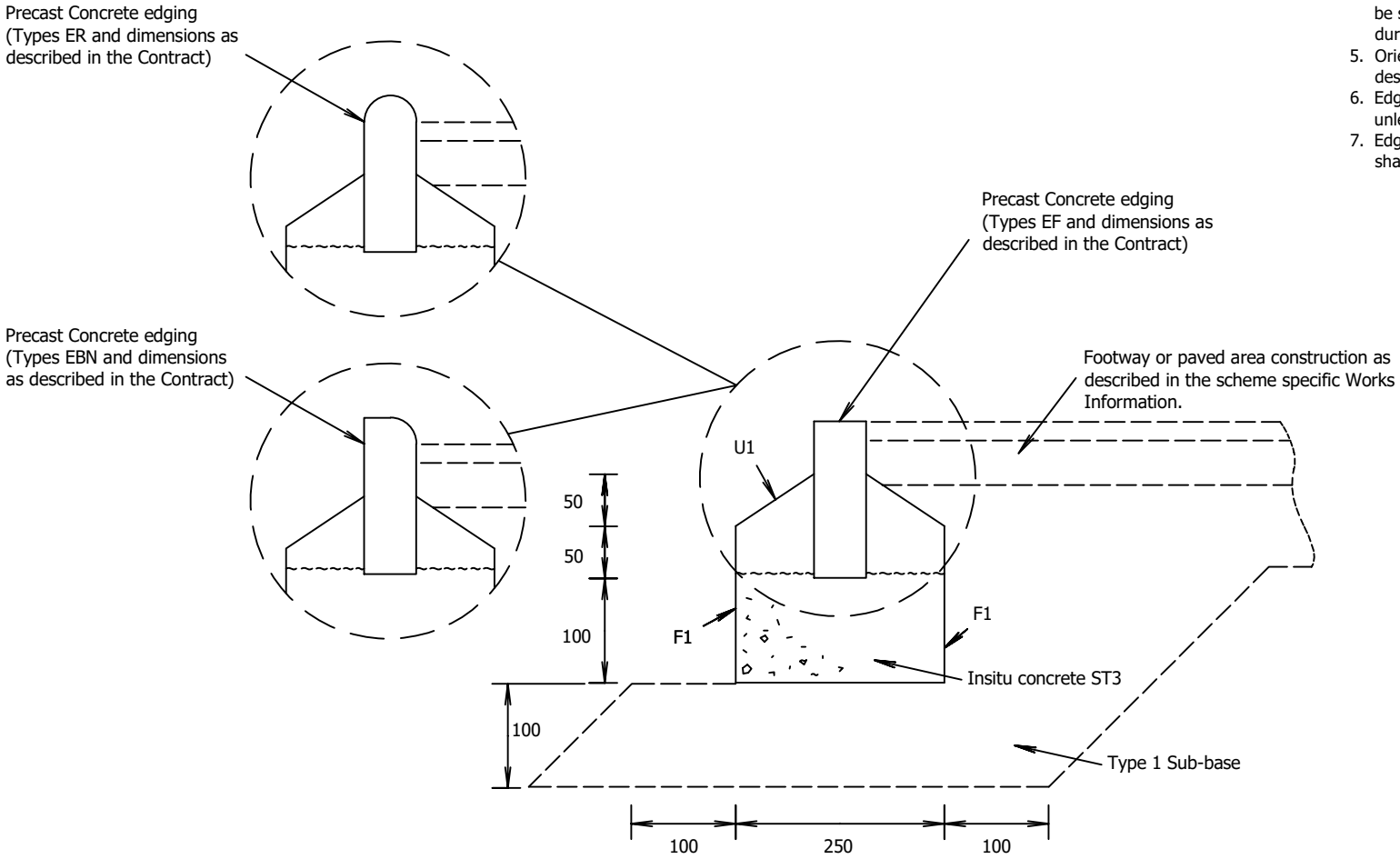
Grid reference : N/A
Original Drawing Size : A4 Dimensions : mm
Scale : NTS Copyright © Amey

Drawing No 11.06 Rev R0

File Name:-
Layout Name:- SCC-Amey A4 Landscape

NOTES

1. All dimensions are in millimetres.
2. Should the Contractor wish to lay edgings on a mortar bed the foundation shall be laid to allow for a 12 thick designation (i) mortar bed.
3. Foundation, fronting and backing concrete to be mix ST3.
4. Backing concrete shall be continuous. Fronting concrete shall be sufficient to support the edgings at the ends and joints during construction of adjacent footway or paved area.
5. Orientation of edging sections to Type EBN shall be as described in the Contract for each application.
6. Edgings are to be laid with a 2-4mm gap between units, unless stated otherwise in manufacturer specification.
7. Edgings shall be manufactured by a wet press process and shall comply with BSEN 1340:2003



EDGING TYPE CONSTRUCTION

Construction in footway or paved area with bedding into foundation while concrete is workable

Rev	Detail	By	Date

Revisions

Original Version		Preliminary	
		For comment	
Drawn: RS		For tender	
Design: RS		For construction	✓
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Date: June 2019		Other	

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Project Name

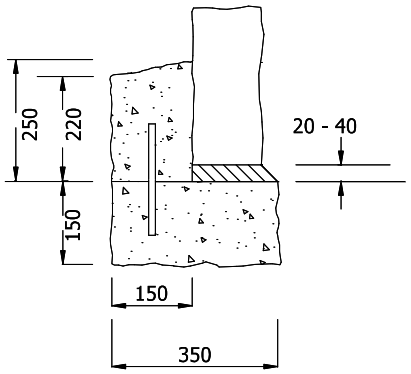
Highway Works Details
Series 1100

Drawing Title

Precast Concrete Edging

Grid reference :	
Original Drawing Size : A4	Dimensions : mm
Scale : NTS	Copyright © Amey SCC

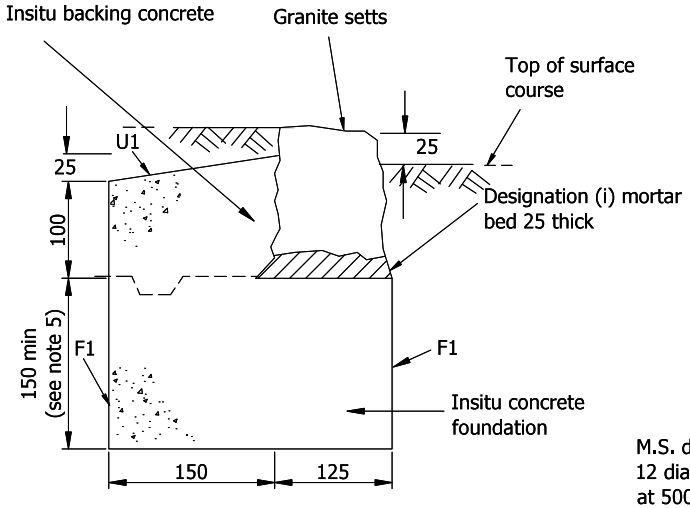
Drawing No	Rev
11.11	C0



TYPE J
Granite or stone kerb

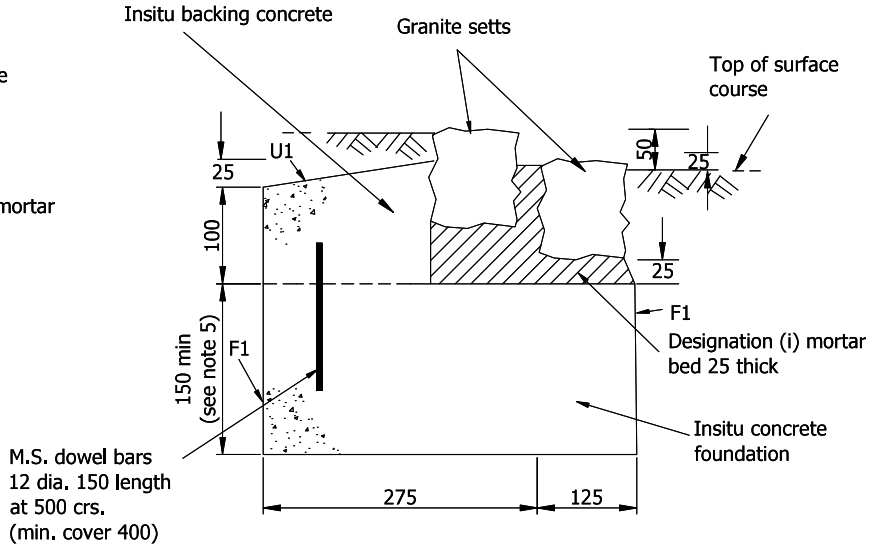
NOTES

1. All dimensions are in millimetres
2. Setts shall comply with BS EN 1342:2012 and be of size 100x125, length 150 to 250, granite.
3. Foundation and backing concrete to be ST3.
4. Setts shall be jointed in Designation (i) mortar.
5. a) When depth from top of foundation concrete to top surface of sub-base material is 150 or more, the foundation concrete shall extend to the whole of this depth
   b) When depth from top of foundation concrete to top surface of sub-base material is less than 150, the foundation concrete shall be 150 thick and the sub-base material shall be excavated to obtain the foundation dimensions.
6. For treatment at gullies see scheme specific Works Information.
7. Drainage holes or pipes through concrete are as described in the contract.
8. Thickness and extents of sub-base under kerb foundations is as shown to the outlines stated in the Contract.



TYPE M

Carriageway edge permitting vehicle overrun
Construction using mortar bed on new concrete foundation adjacent to flexible/composite pavement construction



TYPE L

Double row of setts on normal carriageway edge
Construction using mortar bed on new concrete foundation adjacent to flexible/composite pavement construction

Rev	Detail	By	Date

Revisions

Original Version	Preliminary
	For comment
Drawn: RS	For tender
Design: RS	For construction ✓
	As constructed
Date: Aug 2019	Other

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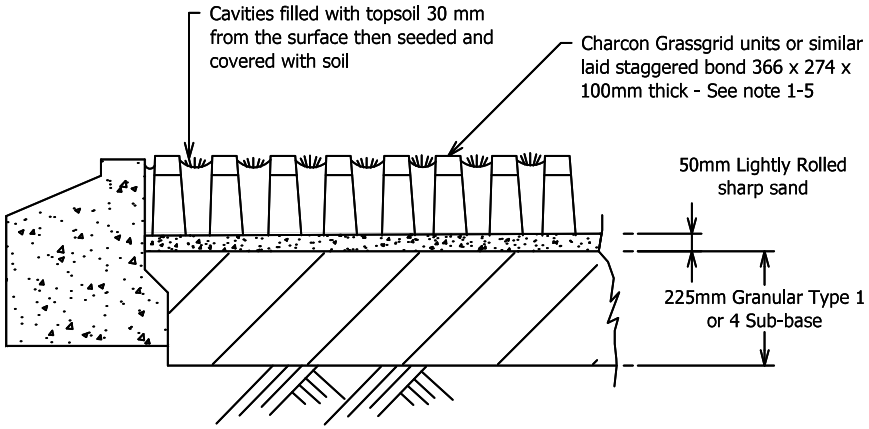
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Highway Works Details
Series 1100

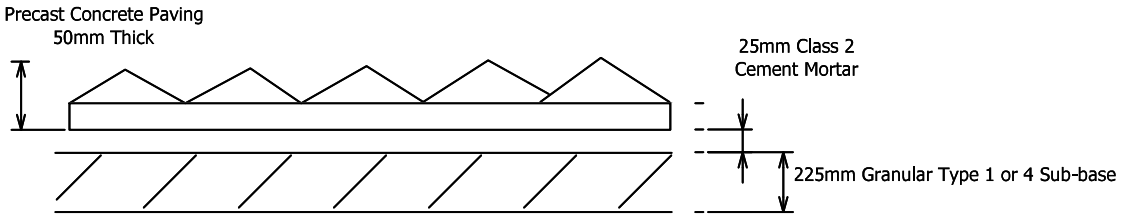
Drawing Title
Dressed natural stone setts carriageway edge applications

Grid reference :	
Original Drawing Size : A4	Dimensions : mm
Scale : NTS	Copyright © Amey SCC

Drawing No	Rev
11.21	C0



GRASSGRID PAVING



DETERRENT PAVING

NOTES

1. A layer of sharp sand 50mm thick should be placed over sub base screeded then lightly rolled to form bedding layer.
2. Grassgrid paving to be constructed as per appendix 11/1 footway type 8.
3. Deterrent paving to be constructed as per appendix 11/1 footway type 5, to 'light vehicle' foundation thickness.
4. Concrete to have compressive strength class 28/35 in accordance with BS EN 1339:2003. As stated in Cl 1109.
5. The Grassgrid units should be laid in rows preferably within a restrained area. The units maybe laid using a staggered bond to provide increased structural integrity.
6. The Laid rows should be tamped with a mallet to bed them into the sand. Not recommended on unstable slopes in excess of 45
7. The cavities between the castellations should be filled with a good quality weed free friable soil to within 30mm of the surface.
8. Grass seed mixture shall be as per appendix 30/5

Rev	Detail	By	Date
C2	Updated to Staffordshire County Council Highway Base Specification v2.5	KK	29/05/2024
C1	Grassgrid paving topsoil reference amended from 30m to 30mm.	MM	31/10/2022

Revisions

Original Version	Preliminary	
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Drawn: RS	For tender	
Design: RS	For construction	✓
	As constructed	
Date: Aug 2019	Other	

Mohankumar, Mahesh (Place)
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Date: 2024.05.29 09:38:19 +01'00'

Michael Smith
Digitally signed by Smith, Michael S (Place)
Date: 2024.06.04 09:50:53 +01'00'

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Project Name
Highway Works Details Series 1100

Drawing Title
Hard Landscape Grassgrid and Deterrent Paving

Grid reference :	
Original Drawing Size : A4	Dimensions : mm
Scale : As Shown	Copyright © Amey SCC

Drawing No	Rev
11.34	C2

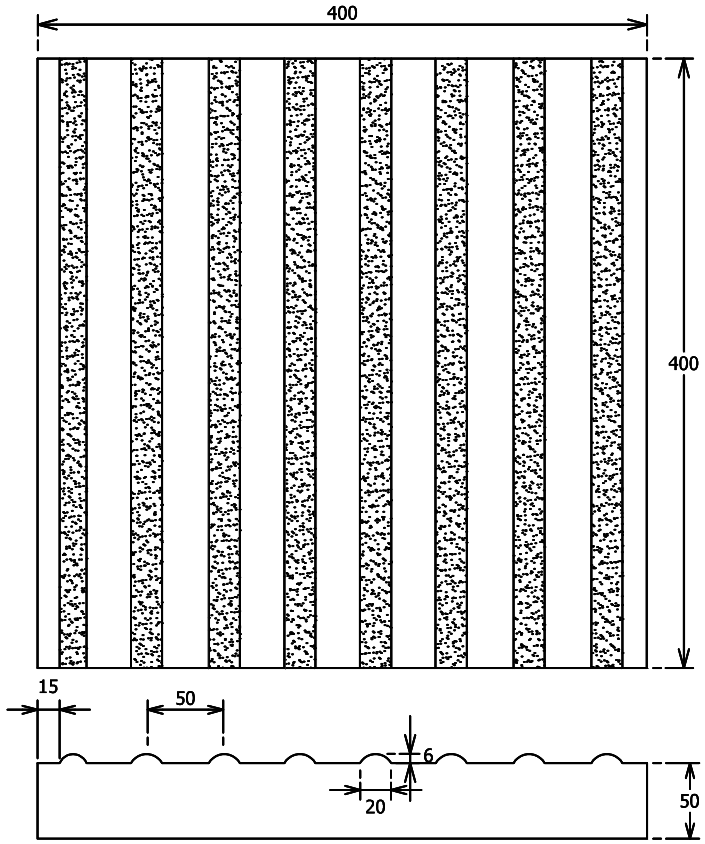


Fig.1 Corduroy Hazard Warning Paving

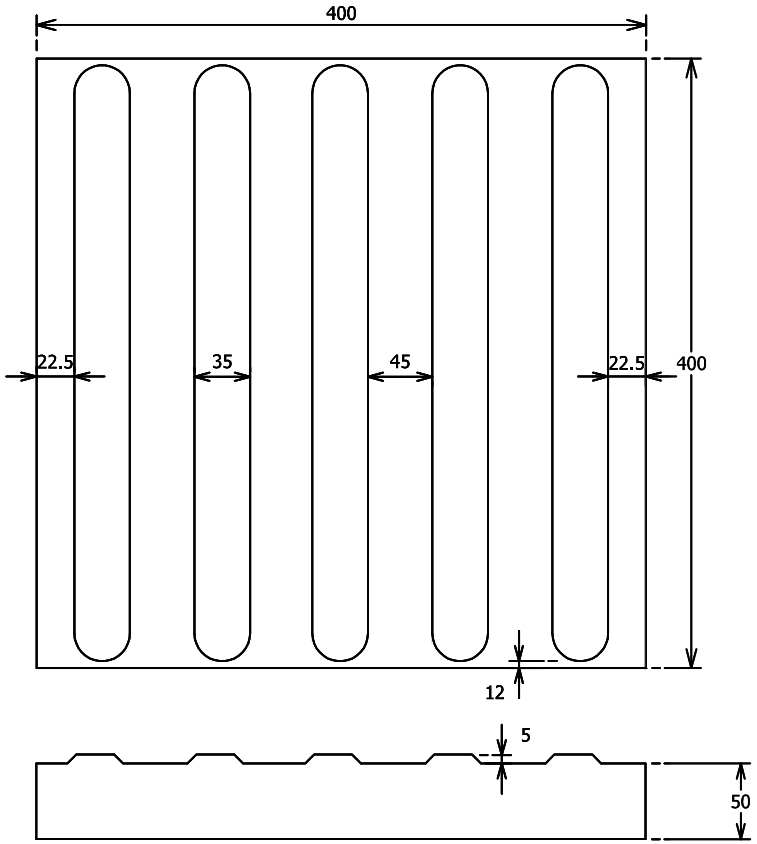


Fig.2 Directional Guidance Paving

NOTES

1. All dimensions are in millimetres.
2. Areas and laying orientations are shown on layout drawings.
3. Colour shall be as per guidance in appendix 11/1.
4. Fabrication and paved area specifications are described in Appendix 11/1.
5. Pavings shall comply with cl. 1104 of MCHW.
6. To be used in accordance with 'Guidance on the use of tactile paving surfaces'.
7. Bedding requirements as per appendix 11/1 footway type 5.

KEY

Raised Ribs

Rev	Detail	By	Date
C1	Updated to Staffordshire County Council Highways Base Specfication v2.5	KK	07/05/2024

Revisions

Original Version		Preliminary	
		For comment	
Drawn: DH		For tender	
Design: DH		For construction	✓
		As constructed	
Date: May 2019		Other	

Checked by:-

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Project Name

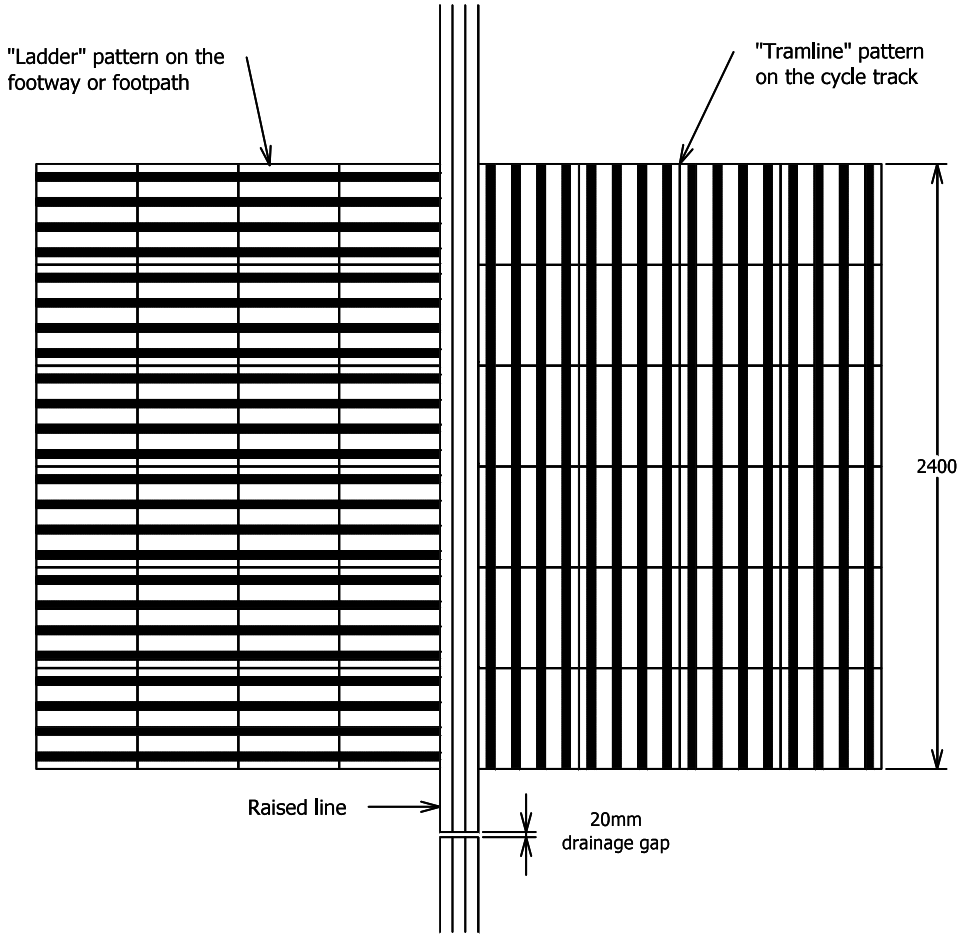
Highway Works Details Series 1100

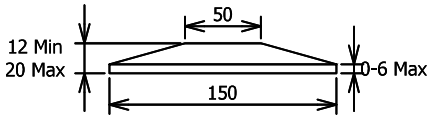
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Precast Concrete Tactile Paving Types

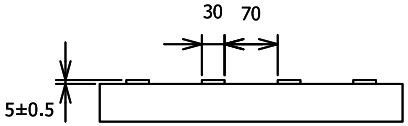
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Drawing No	Rev
11.35	C1

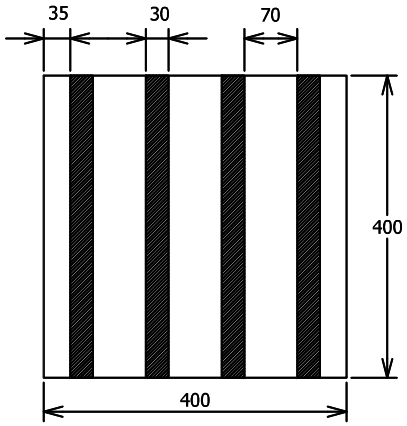




Cross Section of Raised Line



Cross Section of Tramline



Tactile Paving Module

NOTES

1. All dimensions are in millimetres.
2. Fabrication and paved area specifications are described in Appendix 11/1.
3. Pavings shall comply with cl. 1104 of MCHW.
4. Raised line delineator strip to diag: 1049.1 of the Traffic Signs Regulations and General Directions 2016 and all subsequent amendments.
5. To be used in accordance with 'Guidance on the use of tactile paving surfaces'.
6. Bedding requirements as per appendix 11/1 footway type 5

Rev	Detail	By	Date
C3	Updated to Staffordshire County Council Base Specification v2.5	KK	07/05/2024
C2	Dimension of the raised central road marking amended to 20mm	MM	31/10/2022
C1	Drawing number was incorrect - amended to 11.36	MM	11/08/2022

Revisions

Original Version		Preliminary	
		For comment	
Drawn: DH		For tender	
Design: DH		For construction	✓
		As constructed	
Date: May 2019		Other	

Checked by:-

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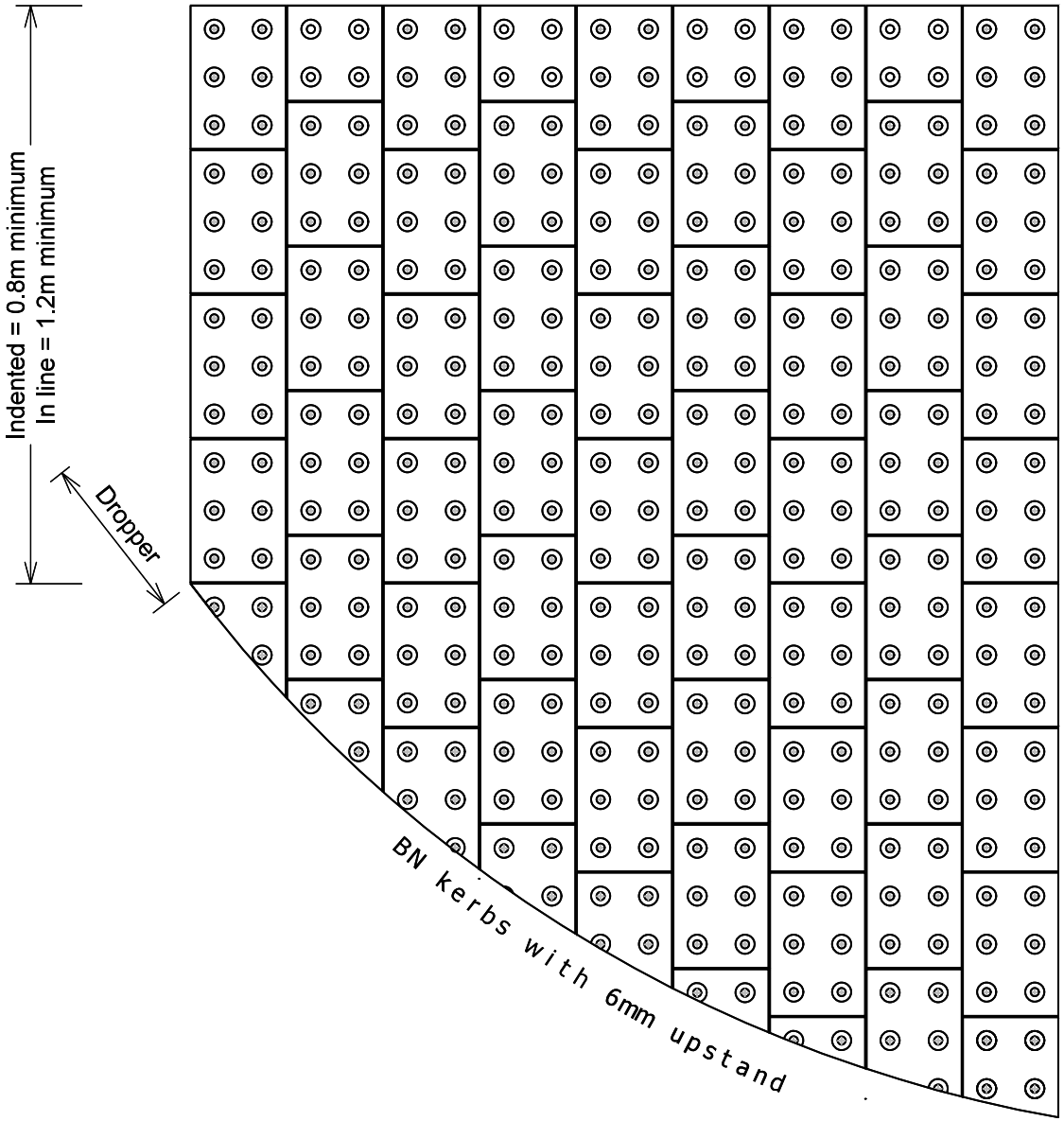
Highway Works Details Series 1100

Drawing Title

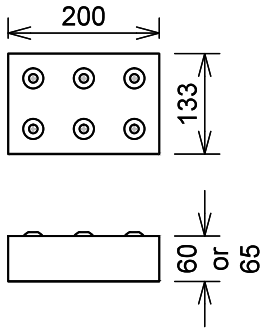
Precast Concrete Cycleway Tactile Paving

Grid reference :	
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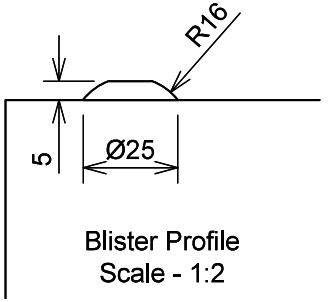
Drawing No	Rev
11.36	C3



BLISTER TACTILE BLOCKS FOR PEDESTRIAN CROSSINGS
200x133mm Blocks (60 or 65mm depth as per suppliers standard units)
Scale - 1:10



200x133x60/65mm Tactile Block Module
Scale - 1:10



Blister Profile
Scale - 1:2

NOTES
1. All dimensions in millimeters.
2. Bedding requirements as per appendix 11/1 footway type 4.
3. Blisters to line through horizontally and vertically.
4. 2mm joint between all blocks and kerbs and filled with kiln dried sand.
5. BN kerbs to the exact width of tactiles.
6. Adjust blocks at radius to minimise the use of small pieces behind kerbs.
7. Blocks may be laid as shown or in herringbone bond.
8. Colour shall be as per guidance in appendix 11/1.
9. Gradient across tactiles shall not exceed 8% (approx. 1 in 12)
10. To be used in accordance with 'Guidance on the use of tactile paving surfaces'
11. No block shall be cut less than 25% of its original size.

Rev	Detail	By	Date
C2	Additional note (11) added	KK	20/01/2025
C1	Updated to Staffordshire County Council Highway Base Specification v2.5	KK	07/05/2024

Revisions

Original Version		Preliminary	
		For comment	
Drawn: DH		For tender	
Design: DH		For construction	✓
		As constructed	
Date: May 2019		Other	

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Project Name
Highway Works Details
Series 1100

Drawing Title
Precast Concrete Blister Tactile Blocks

Grid reference :			
Original Drawing Size : A4		Dimensions : mm	
Scale : As shown		Copyright © Amey SCC	

Drawing No	Rev
11.37	C2

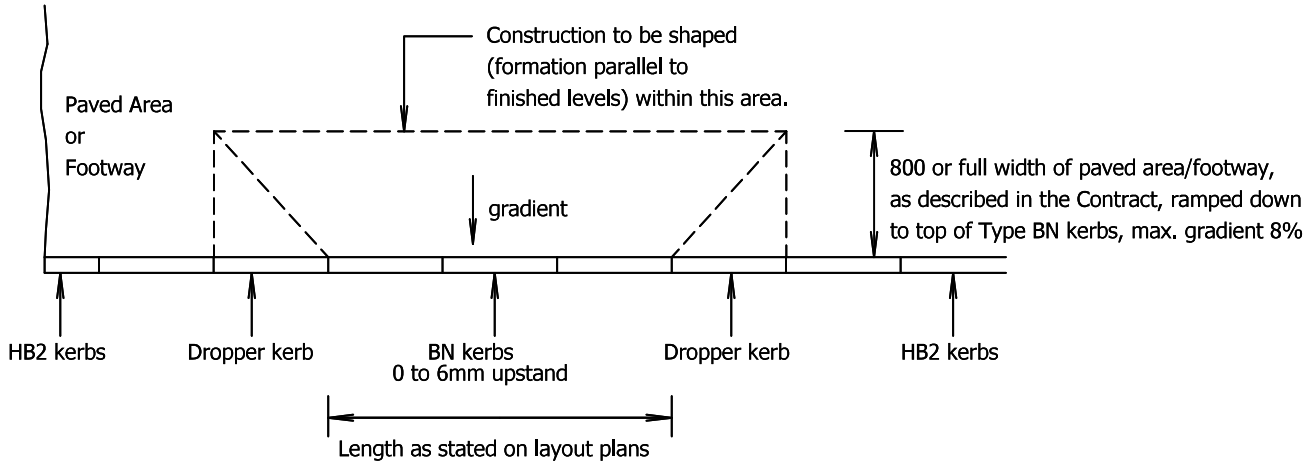


DIAGRAM 1 - DROPPED KERBS AT PEDESTRIAN CROSSING-FACILITY (UNCONTROLLED)

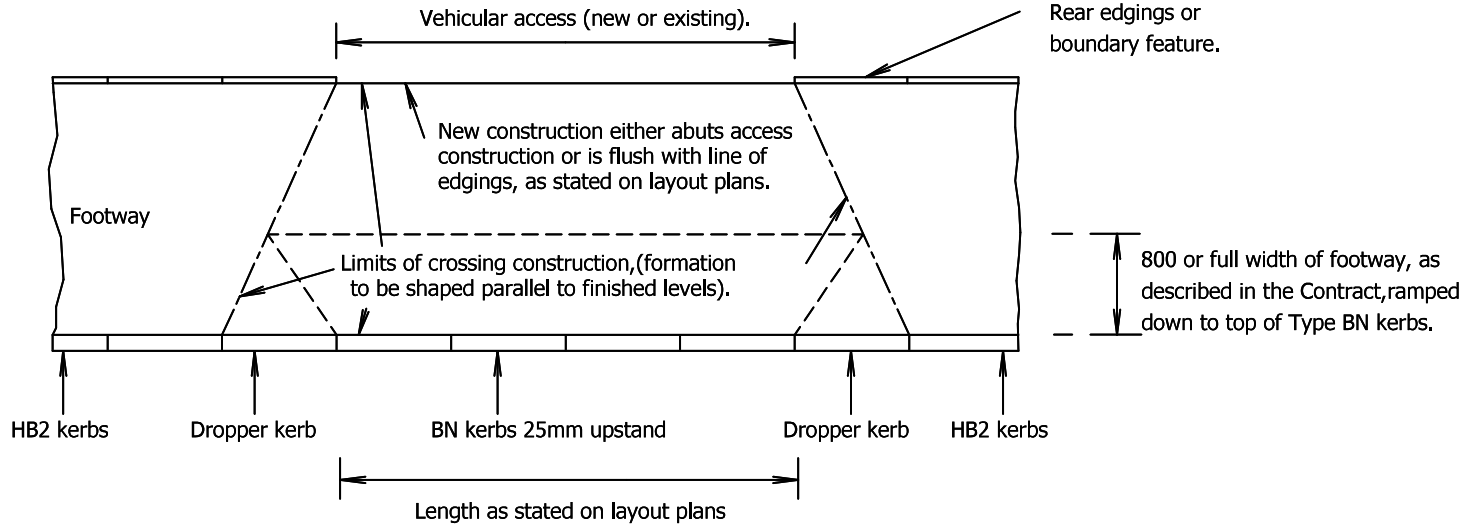


DIAGRAM 2 - Dropped kerbs at vehicular crossing-facility

NOTES

1. All dimensions are in millimetres.
2. Kerb construction to be in accordance with Highway Works Detail 11.01.
3. Dropper kerbs are included in measured lengths of Type HB2 kerbs.
4. Cut kerbs are not permitted within lengths of Type BN kerbs.
5. Setting-out points for changes in kerb types shall be identified on kerbing layout plans.
6. Alignment of back of footway or paved area is not depressed unless otherwise stated in the Contract.
7. Layouts of tactile paved surfaces to pedestrian crossing approaches and refuges are described on layout drawings.
8. Footway and cycleway constructions are as described in appendix 11/1.
9. Where existing paved surfaces are to be excavated, vertical faces shall be saw cut and painted with bond coat or approved edge sealant and surfaces reinstated as described in Appendix 7/2 and 7/4
10. Diagram 2 to be read in conjunction with Highway Works Detail 11.45
11. Works at highway boundary to be as described in Appendix 1/15.

Rev	Detail	By	Date
C1	Updated to Staffordshire County Council Highway Base Specification v2.5	KK	07/05/2024

Revisions

Original Version	Preliminary	
	For comment	
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Design: RS	For construction	✓
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Date: Aug 2019	Other	

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Date: 2024.05.17 14:46:23 +01'00'

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Highway Works Details
Series 1100

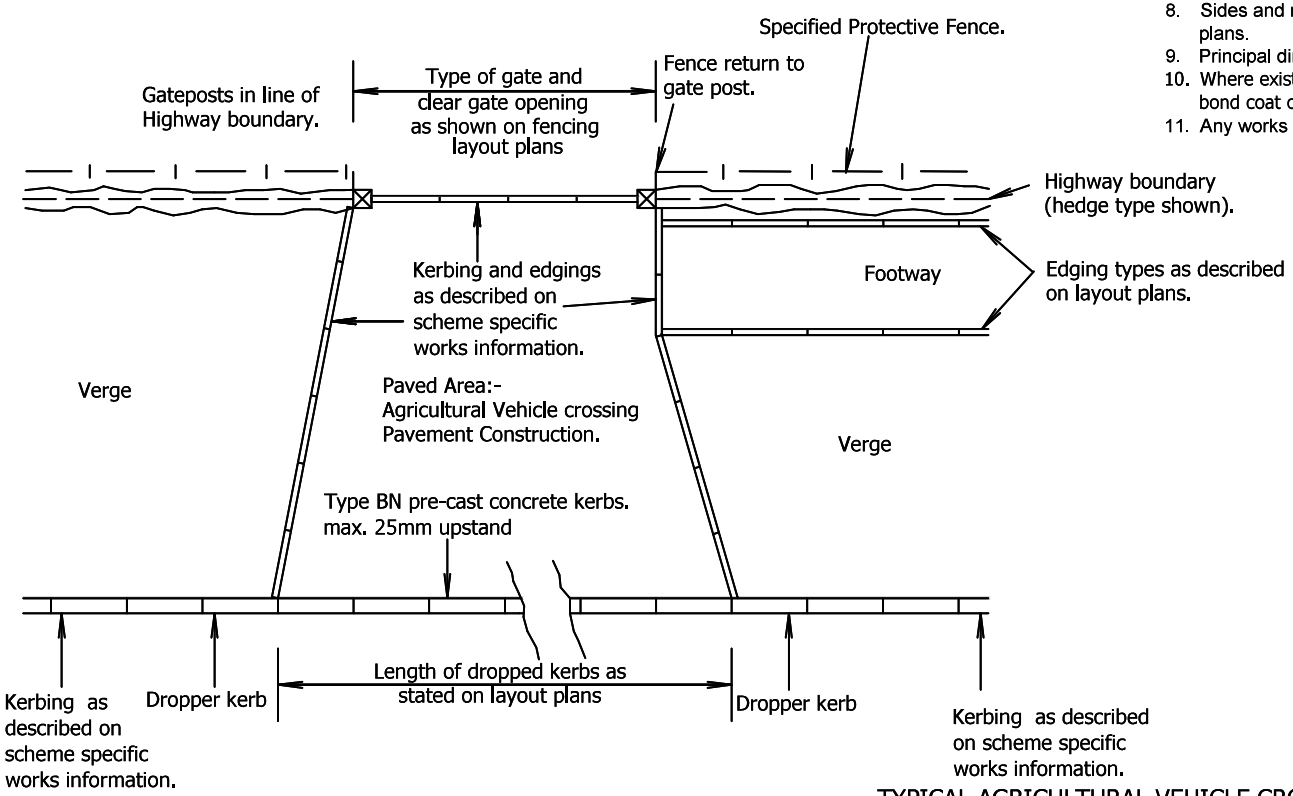
Drawing Title
Pedestrian and Vehicular Crossing In Kerbed Footway

Grid reference :	
Original Drawing Size : A4	Dimensions : mm
Scale : NTS	Copyright © Amey SCC

Drawing No	Rev
11.41	C1

NOTES

1. Field gate type, clear opening, hanging post position, are shown on fencing layout plans and as described in Appendix 1/15 or 3/1.
2. Fence returns to gate posts are as detailed on scheme-specific Drawings.
3. Kerb construction to be in accordance with Highway Works Detail 11.01.
4. Edging construction to be in accordance with Highway Works Detail 11.11.
5. Setting-out points for changes in kerb types are identified on layout plans.
6. Cut kerbs are not permitted within lengths of Type BN kerbs.
7. Heavy vehicle pavement crossing construction as per 11/1 footway type 3.
8. Sides and rear edging of crossing construction are of kerbs or edgings, as specified on layout plans.
9. Principal dimensions and profile of each vehicular crossing shall be as described on layout plans.
10. Where existing paved surfaces are to be excavated, vertical faces shall be saw cut and painted with bond coat or approved edge sealant and surfaces reinstated as described in Appendix 7/2 and 7/4
11. Any works to field access beyond Highway boundary are described in Appendix 1/15.



Layout shown for both Verge and Verge & Footway arrangements

TYPICAL AGRICULTURAL VEHICLE CROSSING PAVEMENT CONSTRUCTION

SURFACE COURSE

40mm thick SMA 6 surf 100/150 to clause 971 AR

BINDER COURSE

60mm thick AC 20 dense bin rec 100/150 (Enriched) to PD 6691:2015+A1:2016

BASE

130mm thick AC 32 dense base 100/150 rec to PD 6691:2015+A1:2016

SUB-BASE

225mm thick Granular Type 1 or 4

Rev	Detail	By	Date
C3	Minor adjustments to HWD layout and formatting	KK	01/08/2024
C2	Updated to Staffordshire County Council Highway Base Specification v2.5	KK	29/05/2024
C1	Amended surface course to 40mm thick SMA 6 surf 100/150	MM	08/09/2022
C0	Original Drawing	RS	23/10/2019

Revisions

Original Version		Preliminary	
		For comment	
Drawn: RS		For tender	
Design: RS		For construction	✓
		As constructed	
Date: Aug 19		Other	

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Date: 2024.08.01 10:39:59 +01'00'

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Date: 2024.08.06 10:51:31 +01'00'

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Project Name
Highway Works Details Series 1100

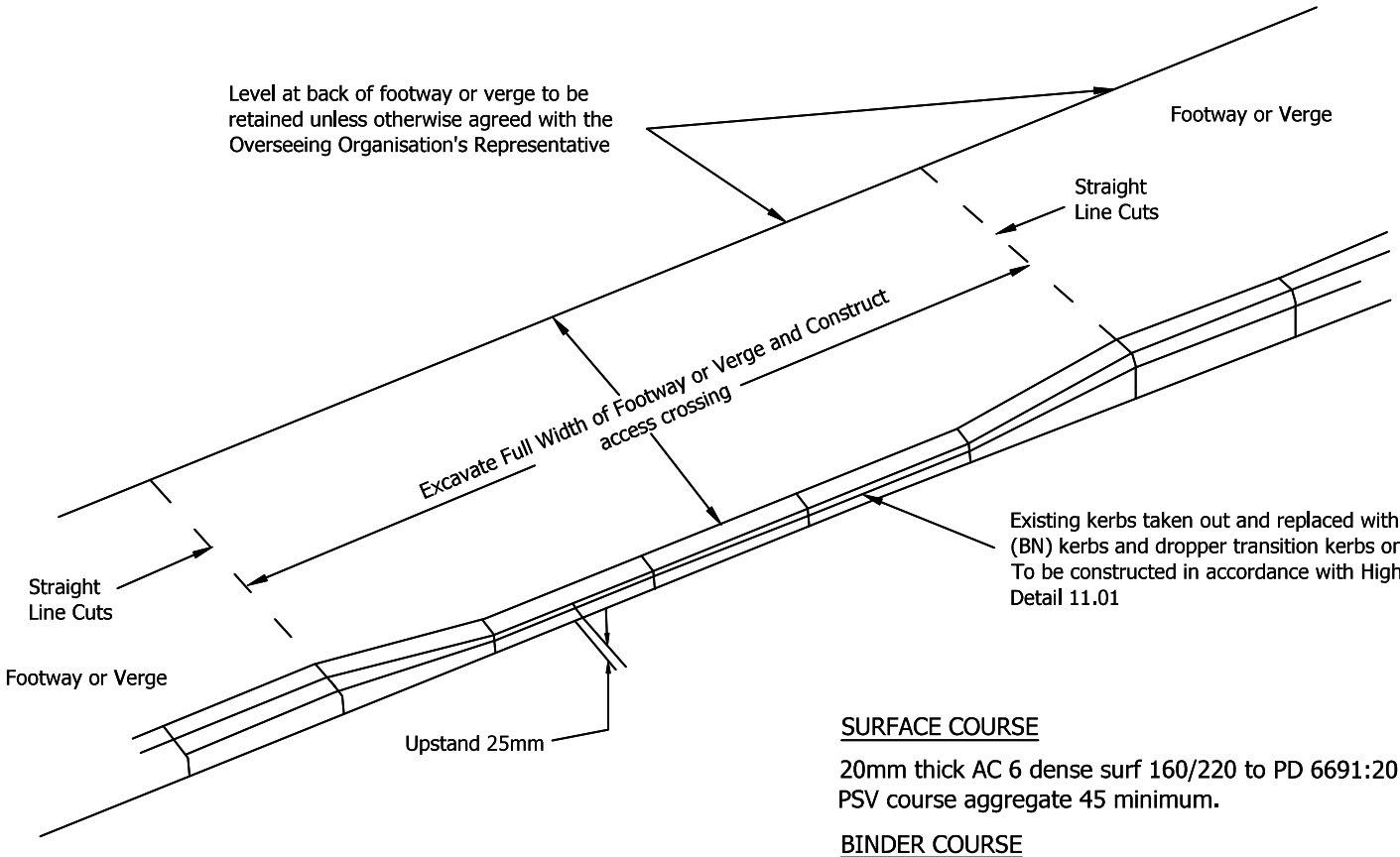
Drawing Title
Heavy - Vehicle Crossings In Kerbed Verges

Grid reference :	
Original Drawing Size : A4	Dimensions : mm
Scale : NTS	Copyright © Amey SCC

Drawing No	Rev
11.43	C3

NOTES

1. Kerbing constructed in accordance with Highway Works Detail 11.01
2. Dropper kerbs are included in measured lengths of Type HB2 kerbs.
3. Cut kerbs are not permitted within lengths of Type BN kerbs.
4. Setting-out points for changes in kerb types shall be identified on kerbing layout plans.
5. Alignment of back of footway or paved area is not depressed unless otherwise stated in the Contract.
6. Light-vehicle footway construction as per appendix 11/1 type 2.
7. Where existing paved surfaces are to be excavated, vertical faces shall be saw cut and painted with bond coat or approved edge sealant and surfaces reinstated as described in Appendix 7/2 and 7/4
8. To be read in conjunction with Highway Works Detail 11.41



SURFACE COURSE

20mm thick AC 6 dense surf 160/220 to PD 6691:2015+A1:2016 PSV course aggregate 45 minimum.

BINDER COURSE

50mm thick AC 20 dense bin rec 160/220 to PD 6691:2015+A1:2016

SUB-BASE

225mm thick Granular Type 1 or 4

Rev	Detail	By	Date
C1	Updated to Staffordshire County Council Highway Base Specification v2.5	KK	24/05/2024

Revisions

Original Version	Preliminary	
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Drawn: DH	For tender	
Design: DH	For construction	✓
	As constructed	
Date: April - 2019	Other	

Checked by:-

Mohankumar, Mahesh (Place) Digitally signed by Mohankumar, Mahesh (Place) Date: 2024.05.29 08:47:49 +01'00'

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Highway Works Details Series 1100

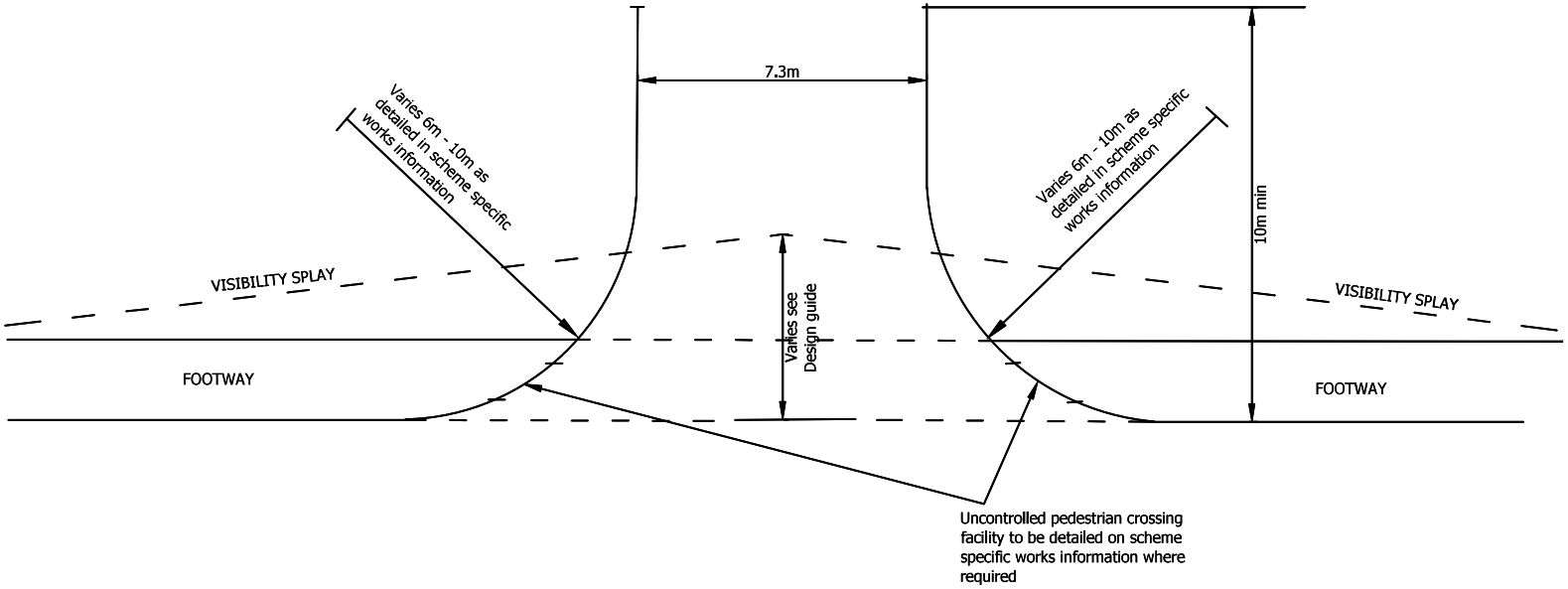
Drawing Title
Construction of Typical Light-Vehicle Access Crossing

Grid reference :	
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Scale : NTS	Copyright © Amey SCC

Drawing No	Rev
11.45	C1

NOTES

1. Kerb construction to be in accordance with Highway Works Detail 11.01.
2. Edging construction to be in accordance with Highway Works Detail 11.11.
3. Setting-out points for changes in kerb types are identified on layout plans.
4. Heavy vehicle pavement construction as per appendix 11/1 footway type 3.
5. Pedestrian crossing facilities shall be as described on layout plans.
6. Principal dimensions and profile shall be as described on scheme specific information.
7. Where existing paved surfaces are to be excavated, vertical faces shall be saw cut and painted with bond coat or approved edge sealant and surfaces reinstated as described in Appendix 7/2 and 7/4.
8. There shall be no obstructions higher than 600mm within visibility spray.



TYPICAL COMMERCIAL ACCESS PAVEMENT CONSTRUCTION

SURFACE COURSE

40mm thick SMA 6 surf 100/150 to clause 971AR

BINDER COURSE

60mm thick AC 20 dense bin rec (Enriched) 100/150 to PD 6691:2015+A1:2016

BASE

130mm thick AC 32 dense base rec 100/150 to PD 6691:2015+A1:2016

SUB-BASE

225mm thick Granular Type 1 or 4 sub-base

Rev	Detail	By	Date
C2	Updated to Staffordshire County Council Highways Base Specification v2.5	KK	24/05/2024
C1	Amended surface course from 10mm SMA to 6mm SMA	MM	25/04/2023

Revisions

Original Version	Preliminary	
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Drawn: DH	For tender	
Design: DH	For construction	✓
	As constructed	
Date: April - 2019	Other	

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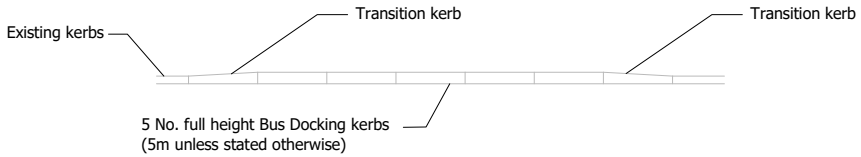
Drawing Title

Heavy - Vehicle Crossing on Classified Roads

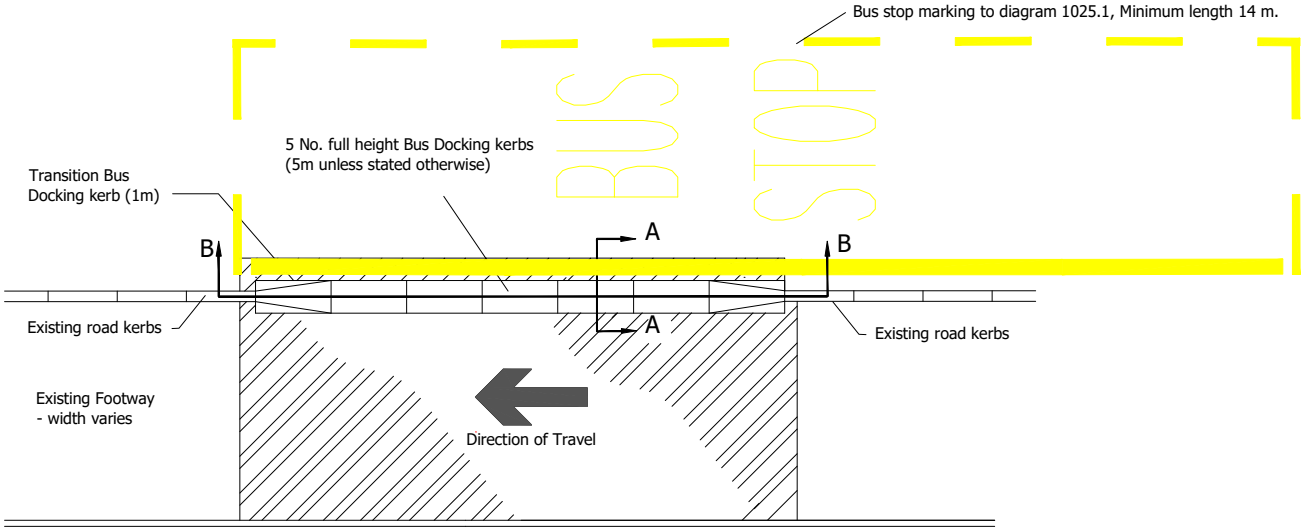
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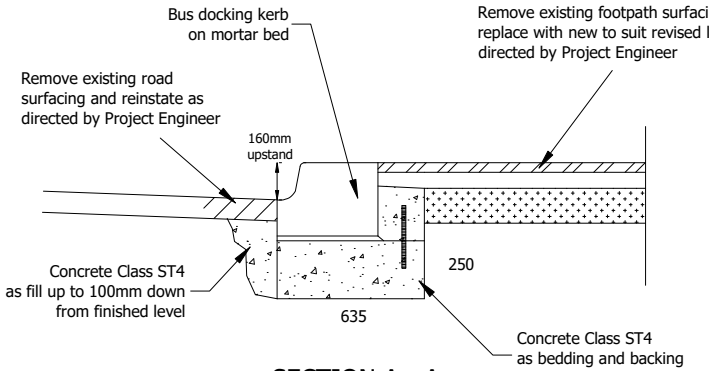
Drawing No	Rev
11.46	C2

A4



SECTION B - B





SECTION A - A



Scheme Ref. bus stop details	
Sign Ref. 974–a	x–height 20.0
Letter colour BLACK	SIGN FACE
Background YELLOW	Width 290mm
Border BLACK	Height 205mm
Material Class RA2 (12899–1:2007)	Area 0.06sq.m



Scheme Ref. bus stop details	
Sign Ref. 975 – a	x–height 20.0
Letter colour BLACK	SIGN FACE
Background YELLOW	Width 290mm
Border BLACK	Height 245mm
Material Class RA2 (12899–1:2007)	Area 0.07sq.m

NOTES

1. Dimensions are in millimetres unless otherwise shown
2. Main surfacing to bus stops: footway construction to standard Highways Spec.
3. Bus Stop Flag and sign to be erected on the same post.
4. Where location is Stop Over for bus drivers to wait, omit word "STOP" from Marking and replace with "STAND". Use sign reference 975-a at these locations, sign ref. 974-a to be used at all other locations.
5. Where shelters are to be installed their positioning is to be detailed on a scheme specific basis.

Rev	Detail	By	Date
Revisions			

Original Version		Preliminary	
		For comment	
Drawn: RS		For tender	
Design: RS		For construction	✓
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Date: April 2019		Other	

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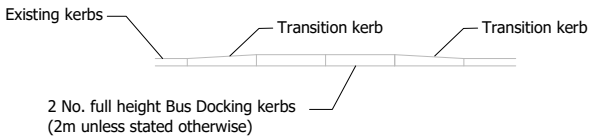
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Project Name
Highway Work Details
Series 1100

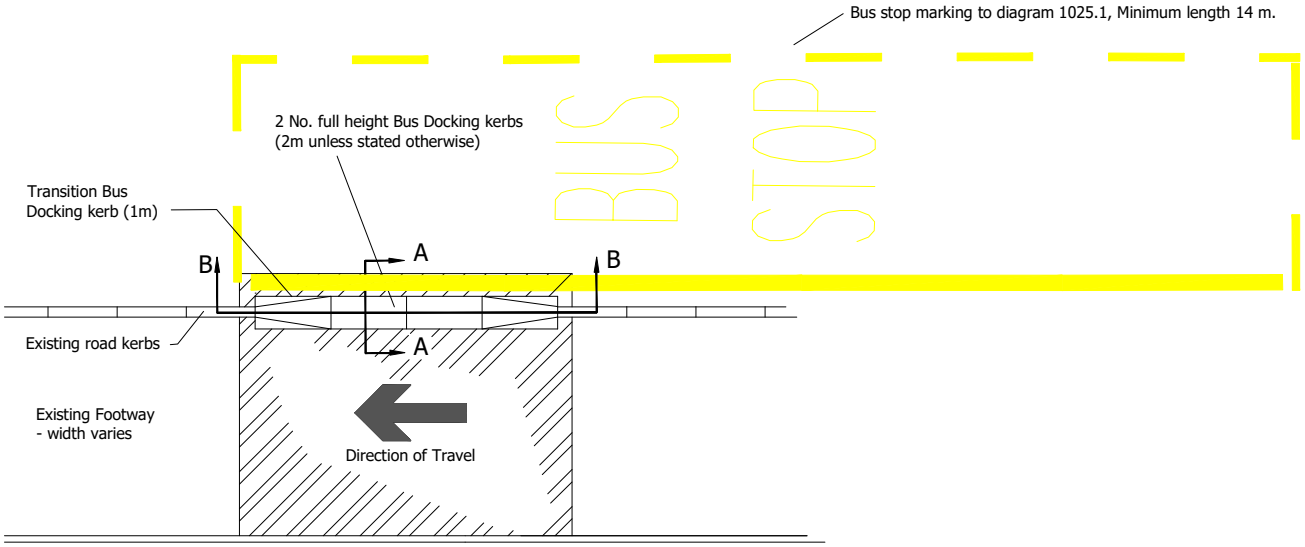
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Town Centre Location Bus Route Interchange

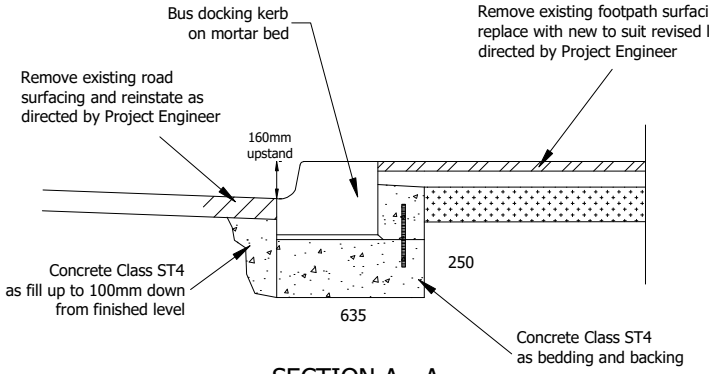
Grid reference :	
Original Drawing Size : A4	Dimensions : mm
Scale : Not To Scale	Copyright © Amey

Drawing No	Rev
11.47-1	C0



SECTION B - B





SECTION A - A



Scheme Ref. bus stop details			
Sign	Ref. 974	x-height	20.0
Letter colour	BLACK	SIGN FACE	
Background	YELLOW	Width	290mm
Border	BLACK	Height	220mm
Material	Class RA2 (12899-1:2007)	Area	0.06sq.m



Scheme Ref. bus stop details			
Sign	Ref. 975	x-height	20.0
Letter colour	BLACK	SIGN FACE	
Background	YELLOW	Width	290mm
Border	BLACK	Height	260mm
Material	Class RA2 (12899-1:2007)	Area	0.08sq.m

NOTES

1. Dimensions are in millimetres unless otherwise shown
2. Main surfacing to bus stops: footway construction to standard Highways Spec.
3. Bus Stop Flag and sign to be erected on the same post.
4. Where location is Stop Over for bus drivers to wait, omit word "STOP" from Marking and replace with "STAND". Use sign reference 975 at these locations, sign ref. 974 to be used at all other locations.
5. Where shelters are to be installed their positioning is to be detailed on a scheme specific basis.

Rev	Detail	By	Date

Revisions

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		For comment	
Drawn: RS		For tender	
Design: RS		For construction	✓
		As constructed	
Date: April 2019		Other	

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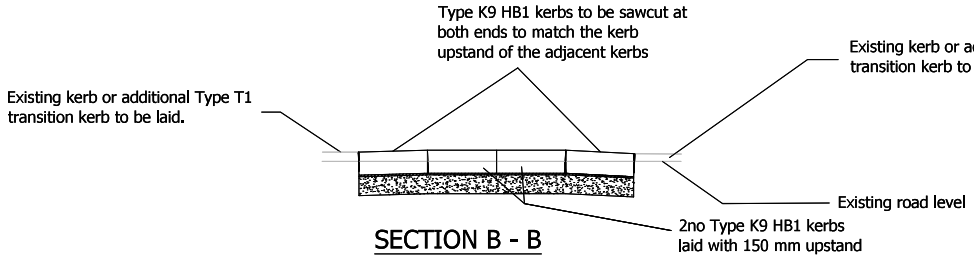
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Series 1100

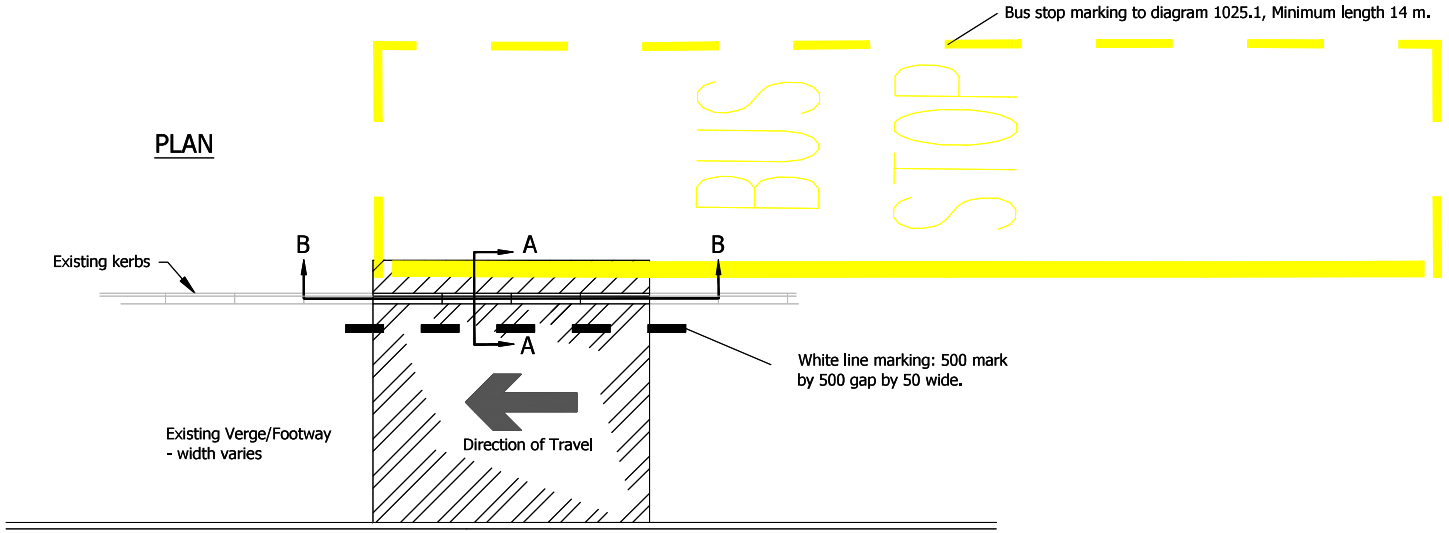
Drawing Title
Standard Bus Stop Detail:
High Streets, Near Shops, at Libraries & Schools

Grid reference :	
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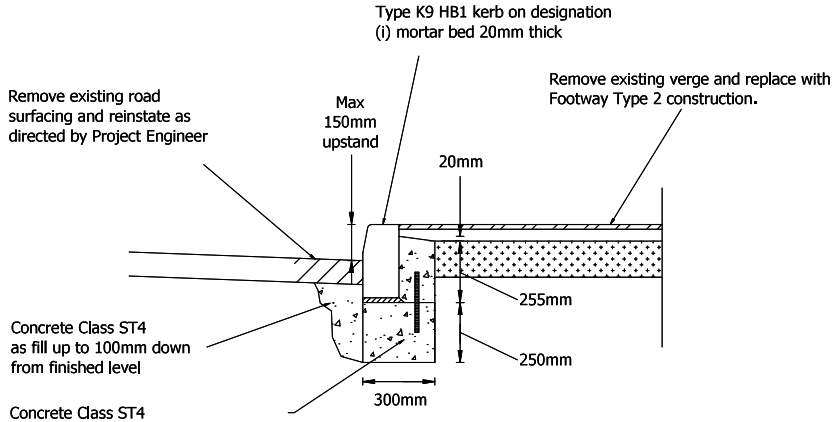
Drawing No	Rev
11.47-2	C0



SECTION B - B



PLAN



SECTION A - A



Scheme Ref. bus stop details	
Sign Ref. 974	x-height 20.0
Letter colour BLACK	SIGN FACE
Background YELLOW	Width 290mm
Border BLACK	Height 220mm
Material Class RA2 (12899-1:2007)	Area 0.06sq.m



Scheme Ref. bus stop details	
Sign Ref. 975	x-height 20.0
Letter colour BLACK	SIGN FACE
Background YELLOW	Width 290mm
Border BLACK	Height 260mm
Material Class RA2 (12899-1:2007)	Area 0.08sq.m

NOTES

1. Dimensions are in millimetres unless otherwise shown
2. Main surfacing to bus stops: footway construction to standard Highways Spec.
3. Bus Stop Flag and sign to be erected on the same post.
4. Where location is Stop Over for bus drivers to wait, omit word "STOP" from Marking and replace with "STAND". Use sign reference 975 at these locations, sign ref. 974 to be used at all other locations.
5. Where shelters are to be installed their positioning is to be detailed on a scheme specific basis.

Rev	Detail	By	Date
C1	Dimensions, kerb types & footway type added. Note 2 removed. Section B-B more fully detailed.	SJC	11/01/2024

Revisions

Original Version		Preliminary	
		For comment	
Drawn: RS		For tender	
Design: RS		For construction	✓
		As constructed	
Date: April 2019		Other	

Checked by:- Digitally signed by Oliver Clelland Date: 2024.01.11 17:32:20 Z

Approved by:- (Drawing NOT approved if this box is empty) Digitally signed by Smith, Michael S (Place) Date: 2024.01.12 08:07:32 Z

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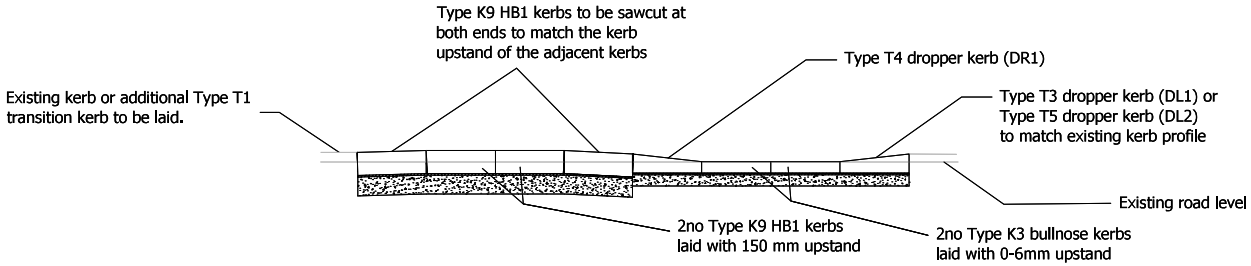
Project Name
Highway Works Details
Series 1100

Drawing Title
Standard Bus Stop Detail:
Residential Location

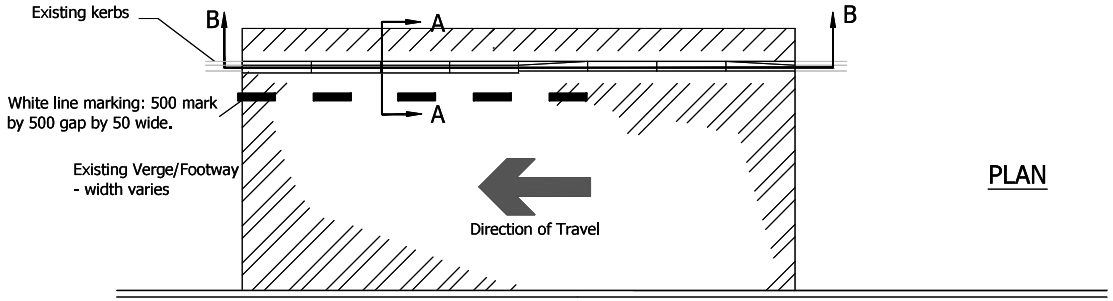
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Drawing No	Rev
11.47-3	C1

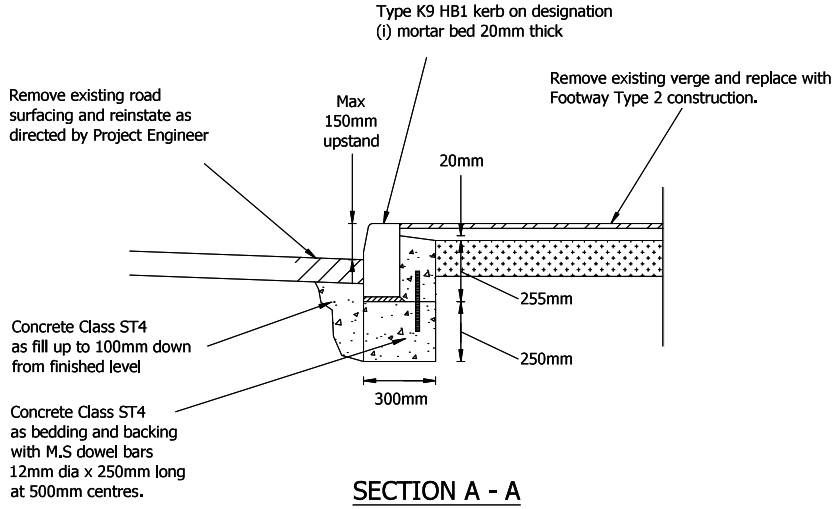
A4



SECTION B - B



PLAN



SECTION A - A

NOTES

1. Dimensions are in millimetres unless otherwise shown
2. Rural bus stop locations to be formed using 4no. HB1 kerbs plus pram crossing detail.
3. No bus stop clearway markings or signs to be used.
4. Where shelters are to be installed their positioning is to be detailed on a scheme specific basis.

Rev	Detail	By	Date
C1	Dimensions, kerb types & footway type added. Note 2 amended. Note 3 removed. Section B-B more fully detailed.	SJC	11/01/2024

Revisions

Original Version	Preliminary	
	For comment	
Drawn: RS	For tender	
Design: RS	For construction	✓
	As constructed	
Date: April 2019	Other	

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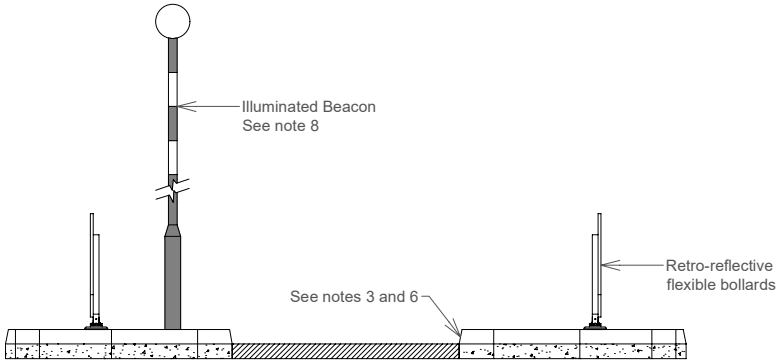
Project Name
Highway Works Details Series 1100

Drawing Title
Standard Bus Stop Detail:
Rural Locations

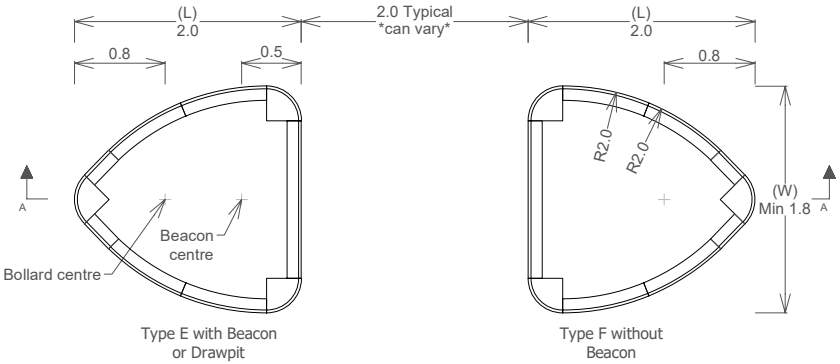
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Scale : NTS	Copyright © Amey SCC

Drawing No	Rev
11.47-4	C1

A4

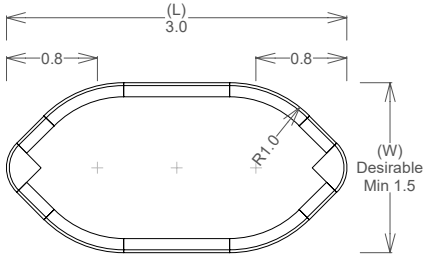


SECTION A-A

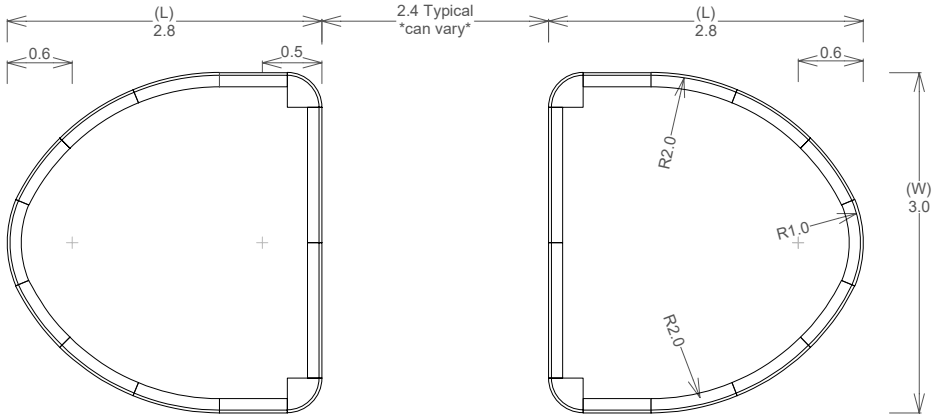


REFUGE WITH PEDESTRIAN FACILITY
(Types E and F)

Refuge Ref	Refuge Type	L (Minimum)
A	Uni bollard	1.6m
B	Twin bollard	2.5m
C	Twin bollard with beacon or drawpit	3.0m
D	Twin bollard with beacon and drawpit	3.5m
E	Pedestrian refuge with beacon or drawpit	2.0m and 1.7m
F	Pedestrian refuge	2.0m and 1.7m



REFUGE WITHOUT PEDESTRIAN FACILITY
(Types A,B,C and D)



REFUGE WITH PEDESTRIAN AND CYCLE FACILITY
(Types E and F)

NOTES

1. All dimensions are in metres unless stated otherwise.
2. Where full length kerbs cannot be used, kerbs must be saw cut to length.
3. Kerb faces are to be half battered (HB) 125mm on normal routes and splay (SP) 100mm on abnormal load routes.
4. Width W and Length L as specified. Absolute minimum W = 1.2m.
5. For widths (W) 2.0m and greater, ends to be of 1m radius kerbs.
6. Kerbing installation to be to HWD 11.01.
7. Surface course reinstatement to be as described in Appendix 7/2.
8. For illuminated beacons lamps and electrical work refer to SL501 Lighting specification and drawings.
9. Where any mains electricity supply is specified, a Type D1 chamber as provided per HWD 05.41 shall be in a position to be agreed with the Overseeing Organisation's Representative.
10. Externally illuminated signs may be affixed to the refuge beacon post when so described in Appendix 12/1.

Rev	Detail	By	Date
Revisions			

Original Version		Preliminary	
		For comment	
Drawn: DH		For tender	
Design: DH		For construction	✓
		As constructed	
Date: May 2019		Other	

Checked by:- Digitally signed by Sandeep Aheer Date: 2019.08.14 15:37:00 +01'00'

Approved by:- (Drawing NOT approved if this box is empty) Digitally signed by Mike Smith Date: 2019.08.16 15:37:21 +01'00'

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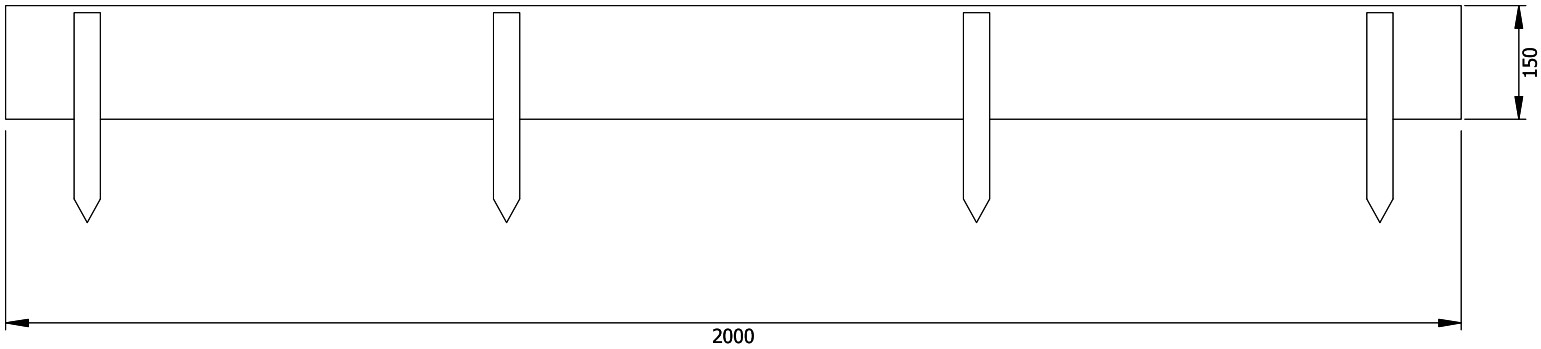
Project Name
Highway Works Details
Series 1100

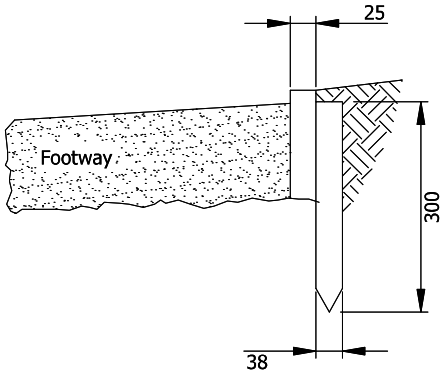
Drawing Title
Refuge Types

Grid reference :	
Original Drawing Size : A4	Dimensions : m
Scale : N.T.S.	Copyright © Amey SCC

Drawing No	Rev
11.51	C0

A4





NOTES

1. Kerb face dimension to be 25mm or as instructed otherwise.
2. All timber products to be tanalised larch to BS 8417:2011+A1:2014
3. All dimensions in millimeters unless otherwise stated
4. Where kerbing is be laid to a radius, then pegging will be required at the front of the timber edging to 'pull' the required radius
5. Upstand as detailed in scheme specific information

Rev	Detail	By	Date

Revisions

Original Version		Preliminary	
		For comment	
Drawn: RS		For tender	
Design: RS		For construction	✓
		As constructed	
Date: Jan 2018		Other	

Checked by:- Digitally signed by Sandeep Aheer Date: 2019.10.23 23:42:54 +01'00'

Approved by:- (Drawing NOT approved if this box is empty) Digitally signed by Mike Smith Date: 2019.10.24 04:03:40 +01'00'

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Project Name
Highway Works Details
Series 1100

Drawing Title
Timber Edging Kerb

Grid reference :	
Original Drawing Size : A4	Dimensions : mm
Scale : NTS	Copyright © Amey SCC

Drawing No	Rev
11.55	C0