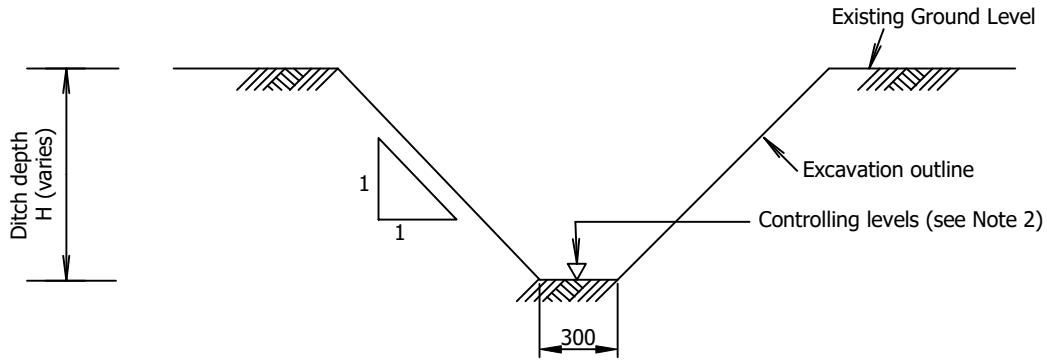

Fig. 1: TYPICAL UNLINED DITCH PFOFILE (OUTLINE)

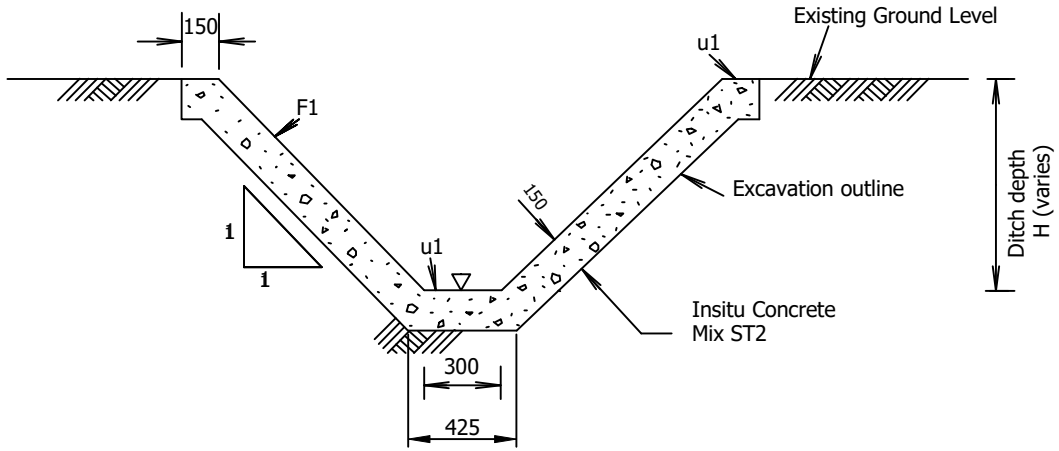

Fig. 2 : TYPICAL DITCH WITH LINING OF INVERT & SIDE SLOPES WITH IN - SITU CONCRETE

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES
2. Invert levels are shown on layout plans and longitudinal sections
3. Hard material is expected in areas described in Appendix 6/1.
4. Estimated quantities for excavation are identified in Earthworks Schedules.
5. Extent and types of lining are shown on layout plans, and as described in Appendix 6/1.
6. Finish F1 to side slopes insitu concrete lining may be U1 subject to the Contractor demonstrating satisfactory compaction.

Rev	Detail	By	Date
	Revisions		

Original Version		Preliminary	
		For comment	
Drawn: RL		For tender	
Design: RL		For construction	✓
		As constructed	
Date: Sept - 2017		Other	

Checked by:- Digitally signed by Simon Cartledge Date: 2019.07.02 16:00:18 +01'00'

Approved by:- (Drawing NOT approved if this box is empty) Digitally signed by Mike Smith Date: 2019.07.31 16:17:05 +01'00'

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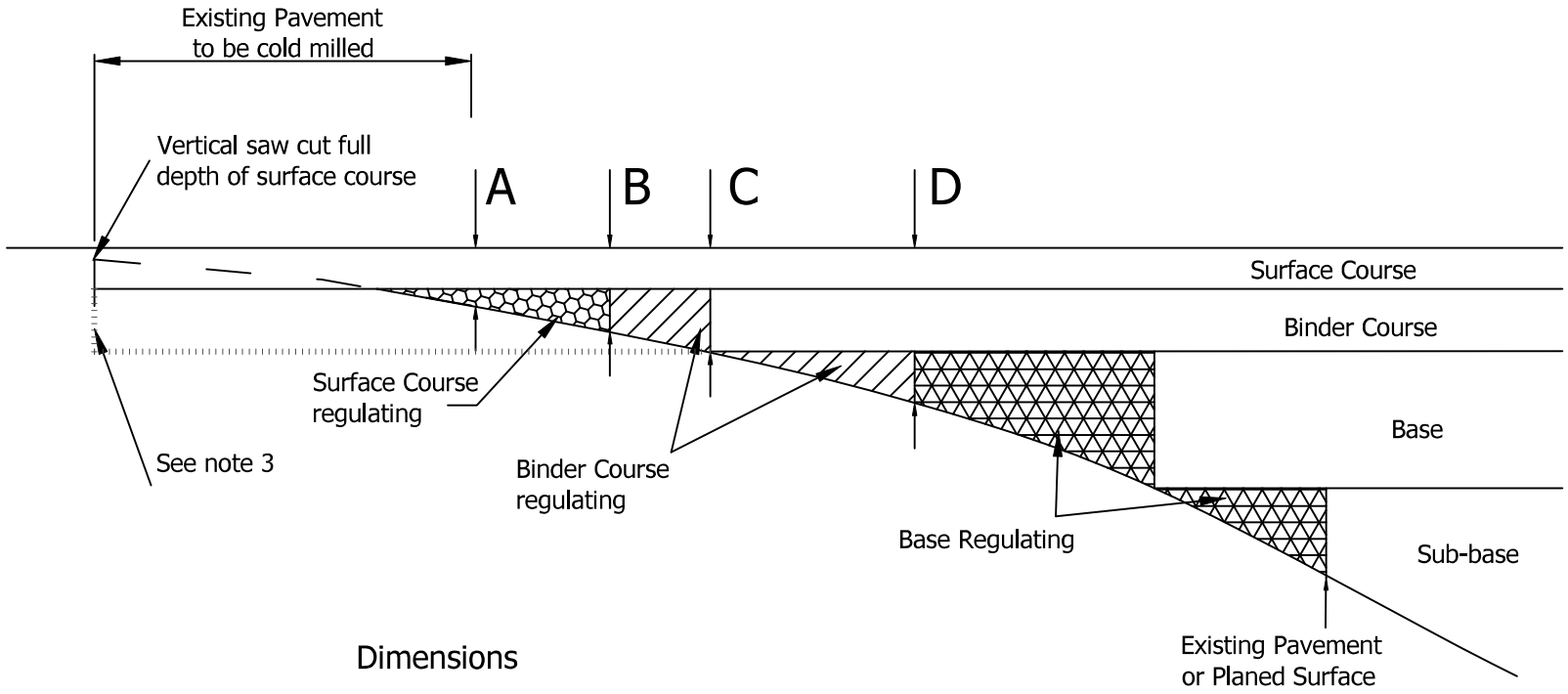
Project Name
Highway Works Details Series 600

Drawing Title
Watercourses - Intercepting Ditches

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

Drawing No	Rev
06.01	C0



Dimensions

A	Thickness of surface course as stated in Appendix 7/1.
B	Thickness of surface course, plus minimum thickness of binder course regulating material as stated in Appendix 7/1.
C	Thickness of surface and binder courses as stated in Appendix 7/1.
D	Thickness of surface and binder courses plus minimum thickness of base regulating material as stated in Appendix 7/1.

NOTES

1. Details of Pavement materials and layer thicknesses are described in Appendix 7/1.
2. Existing pavement shall be cleaned and bond coated prior to overlay as described in Appendix 7/4.
3. Where SMA surface course is used the Binder must also be saw cut in line with the surface course and not staggered.

Rev	Detail	By	Date
C1	Note 3 amended regarding prohibited use of SMA surface course for regulating	KK	10/12/2024

Revisions

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

Checked by:- Mohankumar, Mahesh (Place) Digitally signed by Mohankumar, Mahesh (Place) Date: 2025.02.05 09:15:43 Z

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Project Name
Highway Works Detail
Series 700

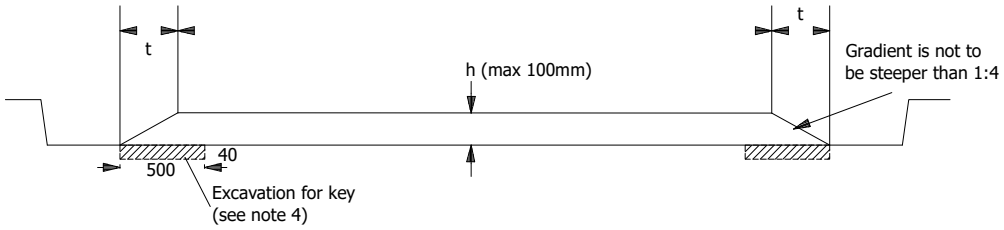
Drawing Title
Regulating Courses for Tie-ins on Existing Carriageway

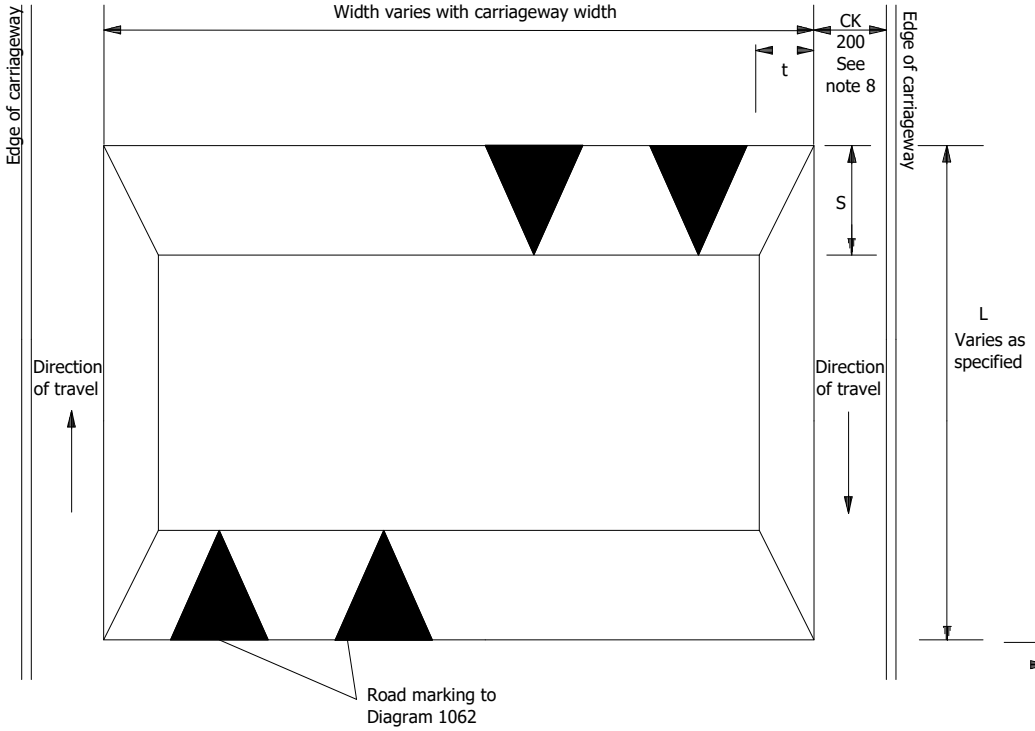
Grid reference :	
Original Drawing Size : A4	Dimensions : mm
Scale : Not to Scale	Copyright © Amey SCC

Drawing No	Rev
07.01	C1

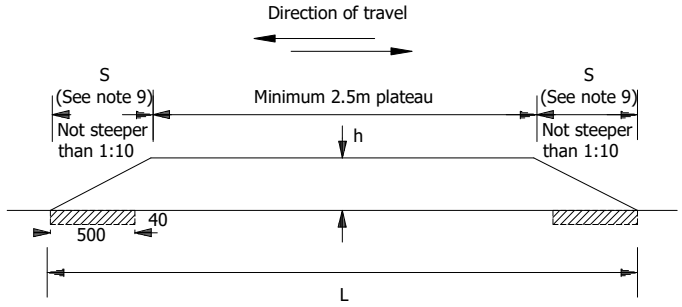
NOTES

1. Tolerance on dimension 'h' is +5mm and -10mm.
2. Material to be HRA 45/10 F Surf 100/150 to Cl 911 laid in layers of nominal thickness 35-45mm.
3. When surfacing materials are to be overlaid on the existing carriageway it shall be brushed free from dust and bond coated with bituminous emulsion spray applied at the rate of 2.5 Sq. metres per litre
4. Saw cut and plane existing carriageway to form joint 500mm wide and 40mm deep around the perimeter of the hump
5. Triangular Markings to diagram 1062 should extend to the top of the ramps or 1850 max. in accordance with TRSGD
6. Exact details of road markings will be stated on scheme specific drawings
7. Exact dimensions of h, W, L, CK, S and t shall be stated on scheme specific drawings.
8. Distance CK from channel to bottom of side ramp on humps that are not full width may be varied to allow for cyclist provision.
9. On bus routes on/off ramp gradients should be increased to 1:15.
10. Where humps are full width to provide pedestrian crossing facilities, dimensions t and CK shall be omitted and the adjacent kerbs shall be lowered to suit





Plan view and Cross Section as for hump with tapered sides.
For full width humps omit dimension t and extend plateau to kerb lines.



Section through hump for both tapered sides and full width humps

Rev	Detail	By	Date

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 700

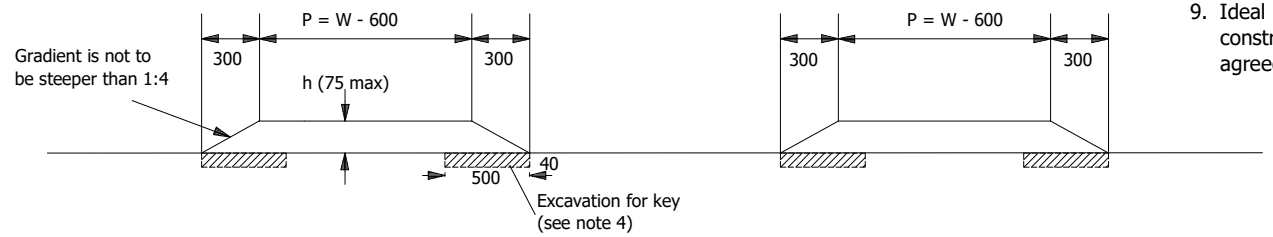
Drawing Title
Flat Top Road Humps

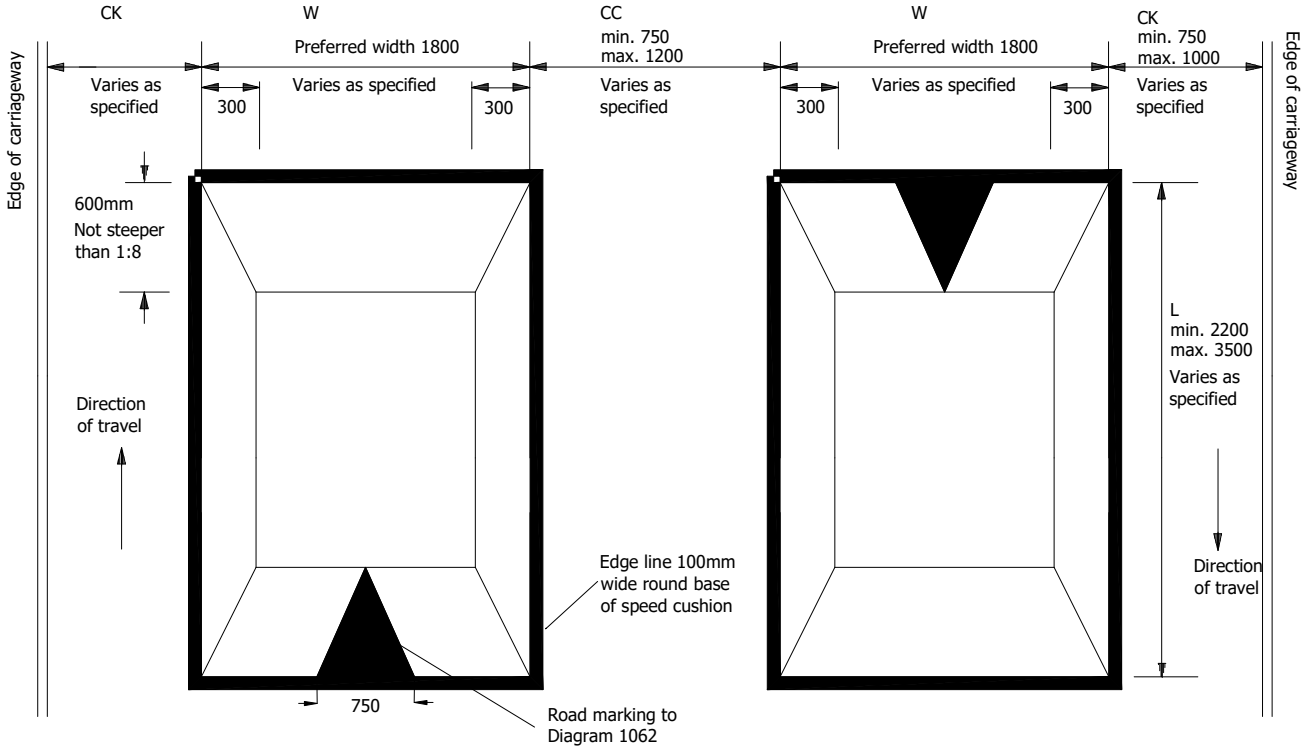
Grid reference :	
Original Drawing Size : A4	Dimensions : mm
Scale : NTS	Copyright © Amey SCC

Drawing No	Rev
07.02	C0

NOTES

1. Tolerance on dimension 'h' is +5mm and -10mm.
2. Material to be HRA 45/10 F Surf 100/150 to Cl 911 laid in layers of nominal thickness 35-45mm.
3. When surfacing materials are to be overlaid on the existing carriageway it shall be brushed free from dust and bond coated with bituminous emulsion spray applied at the rate of 2.5 Sq. metres per litre
4. Saw cut and plane existing carriageway to form joint 500mm wide and 40mm deep around the perimeter of the cushion
5. Triangular Marking to diagram 1062 should extend to the top of the ramps or 1850 max.
6. Where cushions are constructed in a triple arrangement then diagram 1062 shall be marked on both approaches on the centre cushion. In addition hatch markings to diagram 1040 or 1040.2 may be used on both approaches.
7. Exact details of road markings will be stated on scheme specific drawings
8. Exact dimensions of h, W, L, CK and CC shall be stated on scheme specific drawings
9. Ideal minimum and maximum dimensions for CK and CC are shown. In constrained locations these may be varied in accordance with LTN 1/07 if agreed with the overseeing engineer.





Rev	Detail	By	Date

Revisions

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

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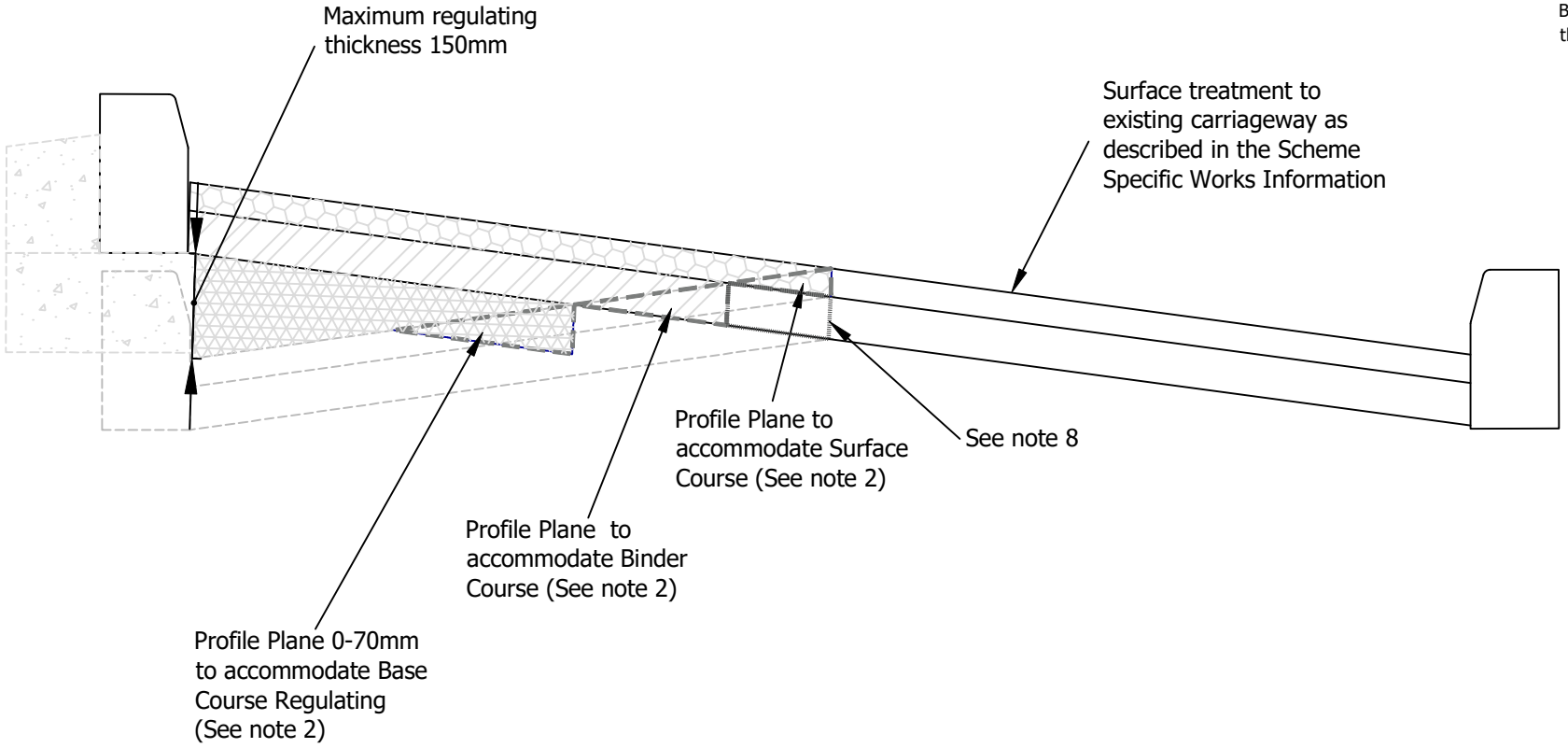
Project Name
Highway Works Details
Series 700

Drawing Title
Speed Cushions

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

Drawing No	Rev
07.05	C0



NOTES

1. All Dimensions are in Millimetres
2. Details of Pavement materials and layer thicknesses are described in Appendix 7/1.
3. Existing Surface and Binder courses to be saw-cut and vertical faces bond coated as described in Appendix 7/2 and 7/4.
4. Existing pavement shall be cleaned and bond coated prior to overlay as described in Appendix 7/2 and 7/4.
5. Exact locations of tie-ins to be agreed with the Supervisor.
6. Exact extent of Profile Planing to be agreed with the Supervisor.
7. Kerbing shown indicatively
8. Where SMA surface course is used the Binder must also be saw cut in line with the surface course and not staggered.

Rev	Detail	By	Date
Revisions			

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

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Project Name
Highway Works Detail Series 700

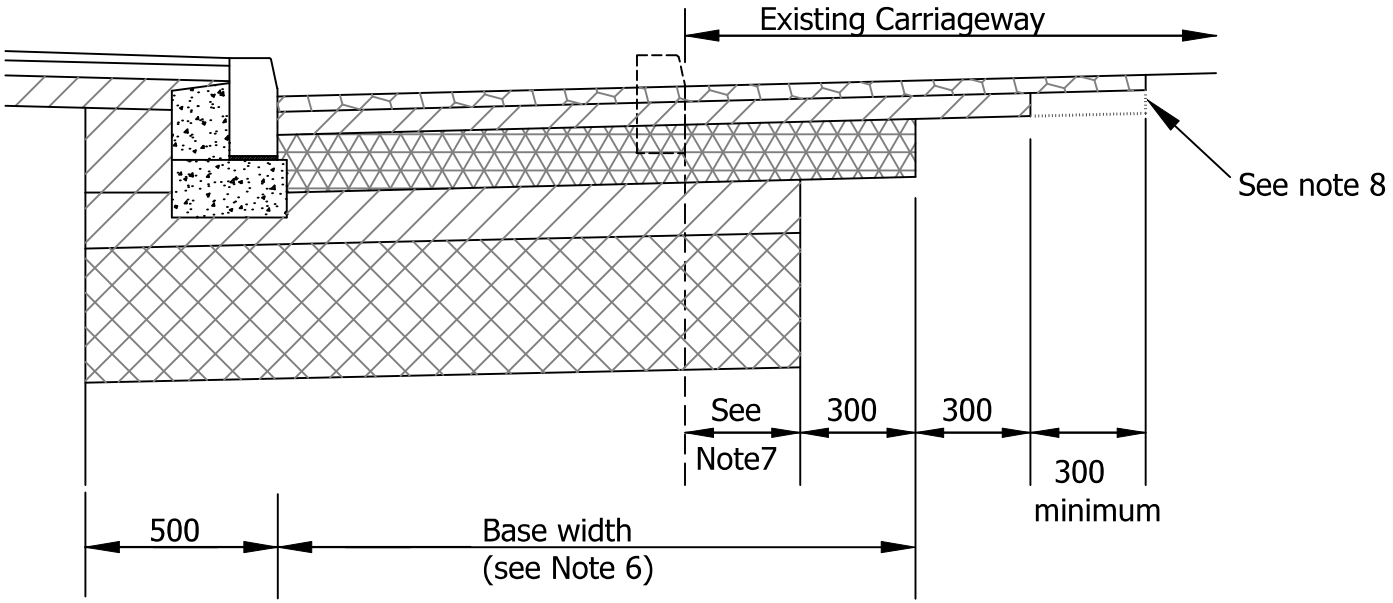
Drawing Title
Conversion of Existing Balanced Carriageway into Superelevated Carriageway

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

Drawing No	Rev
07.08	C0

NOTES

1. All Dimensions are in Millimetres
2. Details of Pavement materials and layer thicknesses are described in Appendix 7/1.
3. Existing Surface and Binder courses to be saw-cut and vertical faces bond coated as described in Appendix 7/2 and 7/4.
4. Existing pavement shall be cleaned and bond coated prior to overlay as described in Appendix 7/2 and 7/4.
5. Exact locations of tie-ins to be agreed with the Supervisor.
6. Where the "base width" is in a tapering section and is less than 900mm wide, then ST4 concrete may be used in lieu of base. Minimum 100mm bituminous construction over concrete.
7. Amount of cut-back to existing foundation to be agreed with the Supervisor.
8. Where SMA surface course is used the Binder must also be saw cut in line with the surface course and not staggered.



Rev	Detail	By	Date
C1	Note 8 amended to not use SMA as a regulating mateiral	KK	10/12/2024

Revisions

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

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Project Name
Highway Works Detail
Series 700

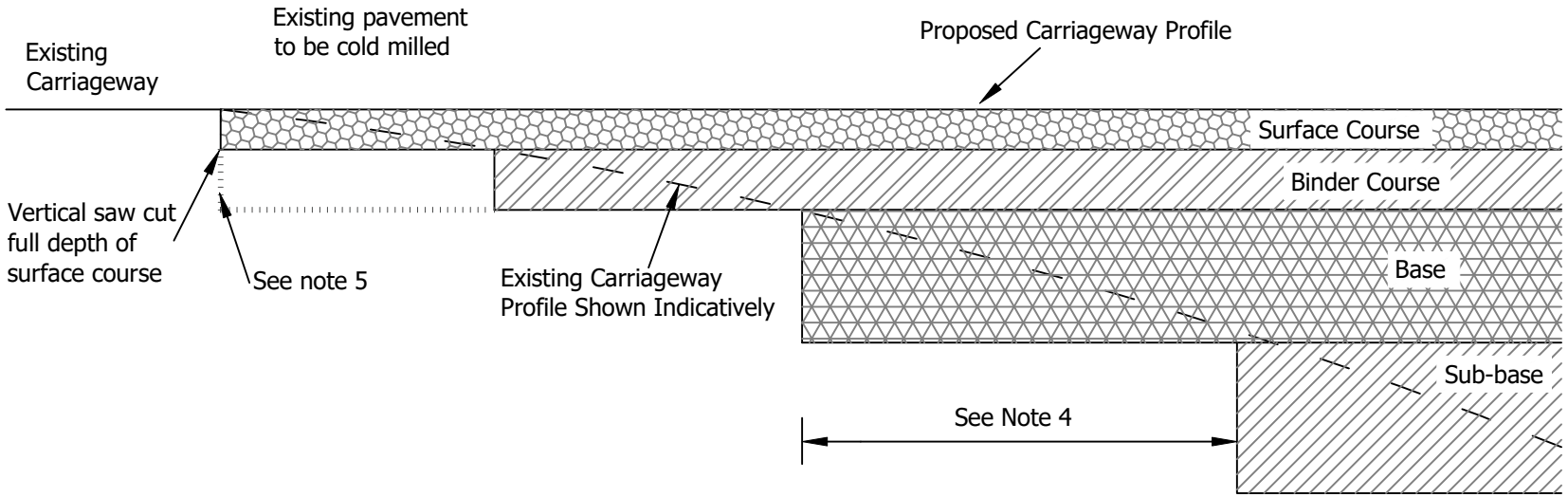
Drawing Title
Carriageway Widening

Grid reference :			
Original Drawing Size : A4		Dimensions : mm	
Scale : Not to Scale			

Drawing No	Rev
07.09	C1

NOTES

1. Details of Pavement materials and layer thicknesses are described in Appendix 7/1.
2. Existing pavement shall be cleaned and bond coated prior to overlay as described in Appendix 7/4.
3. Exact locations of tie-ins to be agreed with the Supervisor.
4. Length of steps required dependant on carriageway profile to be agreed with Supervisor.
5. Where SMA surface course is used the Binder must also be saw cut in line with the surface course and not staggered.



Rev	Detail	By	Date
Revisions			

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Drawn: RS		For tender	
Design: RS		For construction	✓
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Date: July 2019		Other	

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Project Name
Highway Works Detail Series 700

Drawing Title
Stepped Tie-ins on Existing Carriageway

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

Drawing No	Rev
07.10	C0