

SPECIFICATION SERIES 1100 APPENDIX

KERBS, FOOTWAYS, CYCLEWAYS AND PAVED AREAS

BROOKLEIGH, FAIRBRIDGE WAY IMPROVEMENTS

Homes England

Project number: 60610807
60610807-ACM-CS-FBW-SP-HW-1100

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NO Principal Engineer	TR Associate Director	TR Associate Director	NM Regional Director

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Prepared for:

Homes England

Prepared by:

Nana Yaw Offe
Principal Engineer

AECOM Limited
Marlborough Court
10 Bricket Road
St Albans
AL1 3JX
United Kingdom

T: +44-1727-53-5000
aecom.com

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Foreword

Scope of Appendices

All appendices relevant to the Fairbridge Way Improvements have been produced in accordance with the Specification for Highway Works.

Contractual references and terminologies used within the appendices are to be discussed and agreed with Homes England, as part of the scheme contract.

Any Appendix referred to in the Specification which is not used shall be deemed not to apply.

Table of Contents

Appendix 11/1 – Kerbs, Footways, Cycleways and Paved Areas.....	6
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Appendix 11/1 – Kerbs, Footways, Cycleways and Paved Areas

Kerbing

1. Kerbing, footways and paved areas shall comply with West Sussex County Council (WSSCC) Standard Details and the Specification for Highway Works (SHW).
2. Locations and details kerbing and shared footways/cycleways are shown on drawings:
 - 60610807-ACM-CS-FB-IS-HW-0010
 - 60610807-ACM-CS-FB-IS-HW-0700
 - 60610807-ACM-CS-FB-IS-HW-1500
3. Kerb types used on this scheme are as follows:

Table 11/1. Kerb Types

Code	Description
BN	150 x 125 Bull Nosed Kerbs with an upstand of 0-6mm
DL/DR	125X 914 Transition Kerb (left or right) between HB2 and BN
EF	50 x 150 Precast concrete Edge kerb laid flush

4. The Contractor shall comply with the 'Manual Handling Operations Regulations 1992', particularly in respect of handling kerbs and shall utilise a mechanical lifting system for removal and installation of kerbs in accordance with HSE guidance.
5. Kerbs are to be laid on a 150mm deep base, with 150mm haunch. Bedding and haunch are to be constructed using ST4 concrete.
6. All kerbs are to be laid true to line and level with upstand as specified on the contract drawings.
7. At tie-in points, the transition in upstand between the proposed upstand and the existing kerb upstand shall occur at a rate no greater than +/- 25mm per metre.
8. Kerb bed thickness will be dependent on the pavement construction and shall be measured from the upper surface of the subbase to the underside of the kerb, the minimum kerb bed thickness shall be 150mm. The kerb backing shall be a minimum of 150mm.
9. Where using straight kerbs to change direction of kerb line, the kerbs are to be cut to produce a butt joint.
10. All kerbs are to be constructed from precast concrete and will comply with the requirements of BS EN 1340:2003, BS EN 1339:2003 and BS EN 7533-4.
11. All kerbs shall be laid in full length. Where cutting is required, they shall not be less than half their original length. No kerbs of less than 300mm in length to be incorporated into the works.
12. For curves of radius 12m or less, kerbs of appropriate radius shall be used.
13. Kerbs or channels to curves of greater than 12m but less than 25m radius shall be laid using straight kerb units not greater than 750mm length or less than 600mm length.
14. Wherever possible, a new kerb alignment shall be created by saw cutting the carriageway. Where this is not possible, reinstatements to Appendix 7/2 shall be carried out. A hot poured bitumen seal is to be provided to existing road construction.

Footway Construction

Schedule 11/1: Permitted Pavement Options

Drawing Ref.	Area of Pavement Construction	General Requirements	Permitted Pavement Option
60610807-ACM-CS-FB-IS-HW-0700	New shared footway/cycleway construction	Schedule 2	F1
60610807-ACM-CS-FB-IS-HW-0700	Tactile paving (buff coloured)	Schedule 2	F2

Schedule 11/2: General Requirements

Grid for checking surface levels of pavement courses [702.4]:	Longitudinal dimension	10m ctrs
	Transverse direction	1.5m ctrs
Surface regularity [SHW cl.1115, Table 11/12]		
Horizontal Alignments and Surface Levels [SHW cl. 1114, Table 11/11]		

Schedule 11/3: Permitted Construction Materials

	Option F1		Option F2	
Pavement Layer	Material Ref.	Thickness (mm)	Material Ref.	Thickness (mm)
Surface Course	SC1	20	PV1	65
Binder Course	BIN1	50	BED1	30
Sub-base	SB1	100	SB1	150
Total Thickness		170mm		245mm

Schedule 11/4: General Requirements for Construction Materials

Refer to Specification for Highway Works

Schedule 11/5: Requirements for Construction Materials

Mat.Ref.	SHW Clause	Description	Requirement
SC1	909	Asphalt Concrete Surface Course	Mixture designation: AC6 dense surf 100/150 Nominal aggregate size: 6mm Specification: BS EN 13108-1
BIN1	929	Asphalt Concrete Binder Course	Mixture designation: AC 20 dense bin 40/60 Nominal aggregate size: 20mm Specification: SHW Cl. 929 (BS EN 13108-1)
SB1	803	Type 1 Unbound Sub-Base	Type 1 Unbound mixture Minimum CBR: 30%
PV1	1104	Concrete blister tactile paving blocks (buff)	400 x 400 x 65mm dimension BS 7533
BED1		Bedding Mortar	BS 7533

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