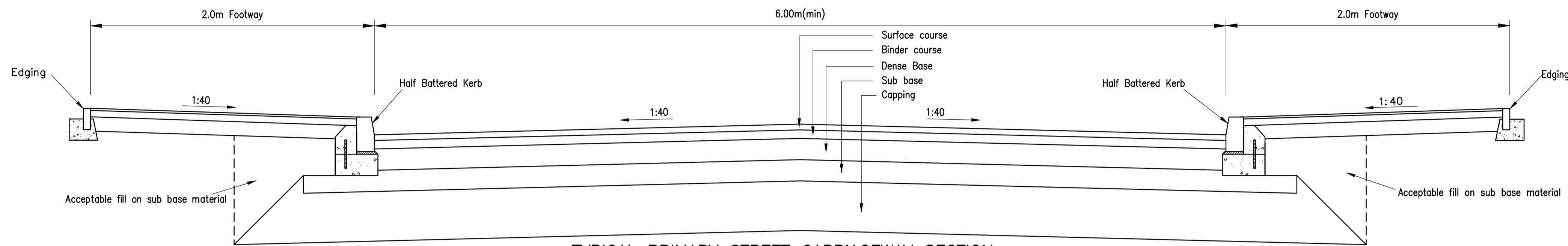


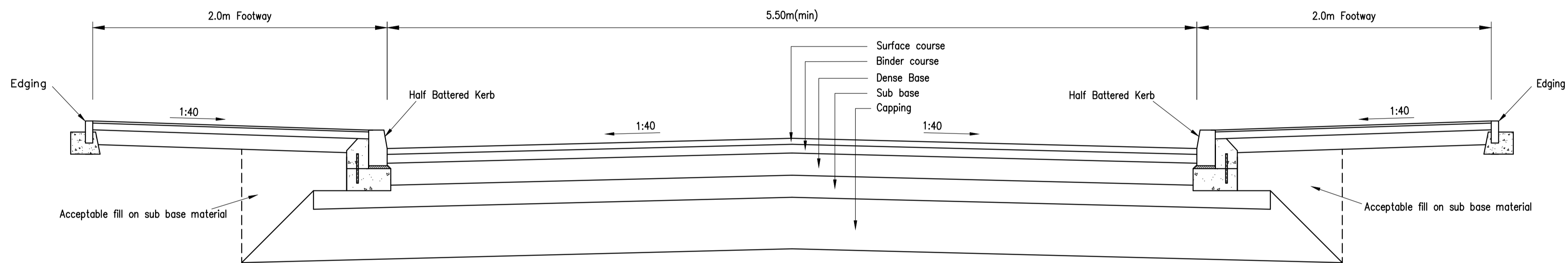
TYPICAL SPINE ROAD CARRIAGEWAY SECTION

SCALE 1:20



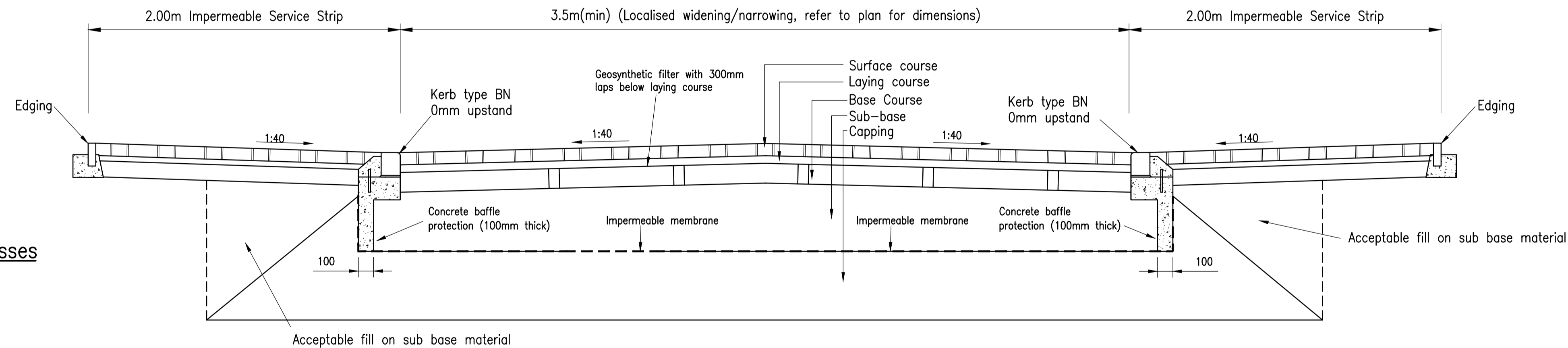
TYPICAL PRIMARY STREET CARRIAGEWAY SECTION

SCALE 1:20



TYPICAL SECONDARY STREET CARRIAGEWAY SECTION

SCALE 1:20



TYPICAL PERMEABLE BLOCK LANE / MINOR STREET CARRIAGEWAY SECTION

SCALE 1:25

Figure 1 – Sub-base & Capping Thicknesses

C.B.R Value	Option A		Option B	
	Capping to Cl 613	Type 1 to Cl 803	Capping to Cl 613	Type 1 to Cl 803
<2%	600mm	150mm	600mm	150mm
2%	450mm	150mm	450mm	150mm
3%	350mm	150mm	-	300mm
4%	300mm	150mm	-	275mm*
5%–15%	250mm	150mm	-	225mm*
>15%	-	150mm*	-	150mm*

Note: * Sub-base to be deepened to provide a minimum of 450mm overall carriageway construction depth. Materials within 450mm of the finished road surface must not be frost susceptible.

Carriageway Specification

	Primary Street	Secondary Street		Lane / Minor Street
Surface Course	40mm thickness HRA 33/14 F surf des 40/50 WTR 1 + PCC 14/20 min PSV 55 EN 13108-4	30mm thick Non porous construction stone mastic asphalt with warm red tone chippings	Surface Course	80mm thick Bound Gravel or 100x200 precast concrete paving block suitable for use for permeable pavements. Colour brindle.
Binder Course	65mm thick Dense Bitumen Macadam to Cl. 906 of the Specification for Highway Works	65mm thick Dense Bitumen Macadam to Cl. 906 of the Specification for Highway Works	Laying Course	50mm thick, 5mm crushed gravel.
Road Base	150mm Dense Bitumen Macadam to Cl. 903	110mm Dense Bitumen Macadam to Cl. 903	Running/Base Course	130mm minimum compacted thickness of 32mm dense asphalt concrete base, designation AC 32 dense base 100/150. With cored 100mm diameter holes on a 750mm orthogonal grid through base into sub-base filled with coarse graded aggregate material
Sub-Base / Capping	SUB BASE – Type 1 material to clause 803 (thickness subject to insitu CBR results – see Figure 1) CAPPING – 6F2 material (thickness subject to insitu CBR results – see Figure 1)		Sub-Base	350mm minimum compacted thickness of granular course graded aggregated material, Type 1 X.
			Capping	450mm minimum compacted thickness of 6F2 granular capping layer to Table 6/1 of MCHW, compacted to table 6/2

Footway / Vehicle Crossing Specification

	Bituminous Footway	Bituminous Vehicle Crossing	Grass Verges	Block Paved Footway / Vehicle Crossing
Surface Course	3 Nom. Size Fine Graded Surface Course or, 6 Nom. Size Medium Graded Surface Course Both the above laid and compacted to Cl. 901 (20mm thick)	3 Nom. Size Fine Graded Surface Course or, 6 Nom. Size Medium Graded Surface Course Both the above laid and compacted to Cl. 901 (20mm thick)	150mm (min) Class 5A or 5B topsoil to SHW Table 6/1 and low maintenance grass seed	60mm thick Block Paving to LCC's Specification for precast concrete block paving. Blocks to be Marshalls "keyblok" or similar approved, laid in 90° herringbone. Colour of blocks to be agreed with Highway Authority and Engineer.
Binder Course	20 Nom. Size Open Textured Binder Course Macadam or, 20 Nom. size Dense Bitumen Macadam Both laid and compacted to Cl. 901 (50mm thick)	20 Nom. Size Open Textured Binder Course Macadam or, 20 Nom. size Dense Bitumen Macadam Both laid and compacted to Cl. 901 (50mm thick)	N/A	35mm Grade C Sharp Sand
Dense Base	N/A	N/A	N/A	70mm thick Dense Bitumen Macadam to Cl. 906 of the Specification for Highway Works. Dense base course to be perforated using 100mm# holes at 1m centres at all footway low points to provide suitable drainage for sand binder course layer.
Sub-Base	225mm thick Type 1 Sub-base to DTP Specification Cl. 803 for Access Roads 3, 4 & 5. 160mm thick Type 1 Sub-Base to DTP Specification Cl. 803 elsewhere.	225mm thick Type 1 Sub-Base to DTP Specification Cl. 803	N/A	225mm thick Type 1 Sub-Base to DTP Specification Cl. 803 at Vehicle Crossings and at all Feature Square footways. 160mm thick Type 1 Sub-Base to DTP Specification Cl. 803 elsewhere.

General Notes.

- Do not scale this drawing.
- This drawing is to be read in conjunction with all relevant Architect's, Engineer's and Specialist drawings and specifications.
- All dimensions are in millimetres unless noted otherwise. All levels are in metres unless noted otherwise.
- Any discrepancies noted on site are to be reported to the Engineer immediately.
- The Contractor is responsible for ensuring that all works are to the satisfaction of the Engineer, and shall be deemed to have included in his rates for any necessary testing.
- Bituminous spray to be applied to all existing surfaces where directly overlaid by bituminous material. Rate of spread to be 0.4–0.6 litres per square metre.
- All works shall be carried out in accordance with the Oxfordshire County Council Design Guide.
- Clauses refer to the Specification for Highway Works, unless otherwise stated.

REV.	AMENDMENTS	DRN.	CHK.	DATE.
PROJECT: LONGFORD PARK BODICOTE BANBURY				
DRAWING TITLE: PHASE 1 HIGHWAY CONSTRUCTION DETAILS SHEET 1 OF 2				
CLIENT: BARRATT HOMES, BOVIS HOMES TAYLOR WIMPEY				
DRAWING NUMBER: 20488_02_165				
REVISION:		SHEET SIZE:	A1	DATE: 04.10.13
DRAWN BY:	MJK	CHECKED BY:	EM	SCALE: AS SHOWN
M-EC		Wellington House Leicester Road Ilstock Leicestershire LE27 6HP T: 01530 264 753 F: 01530 588 116 ilstock@m-ec.co.uk www.m-ec.co.uk		