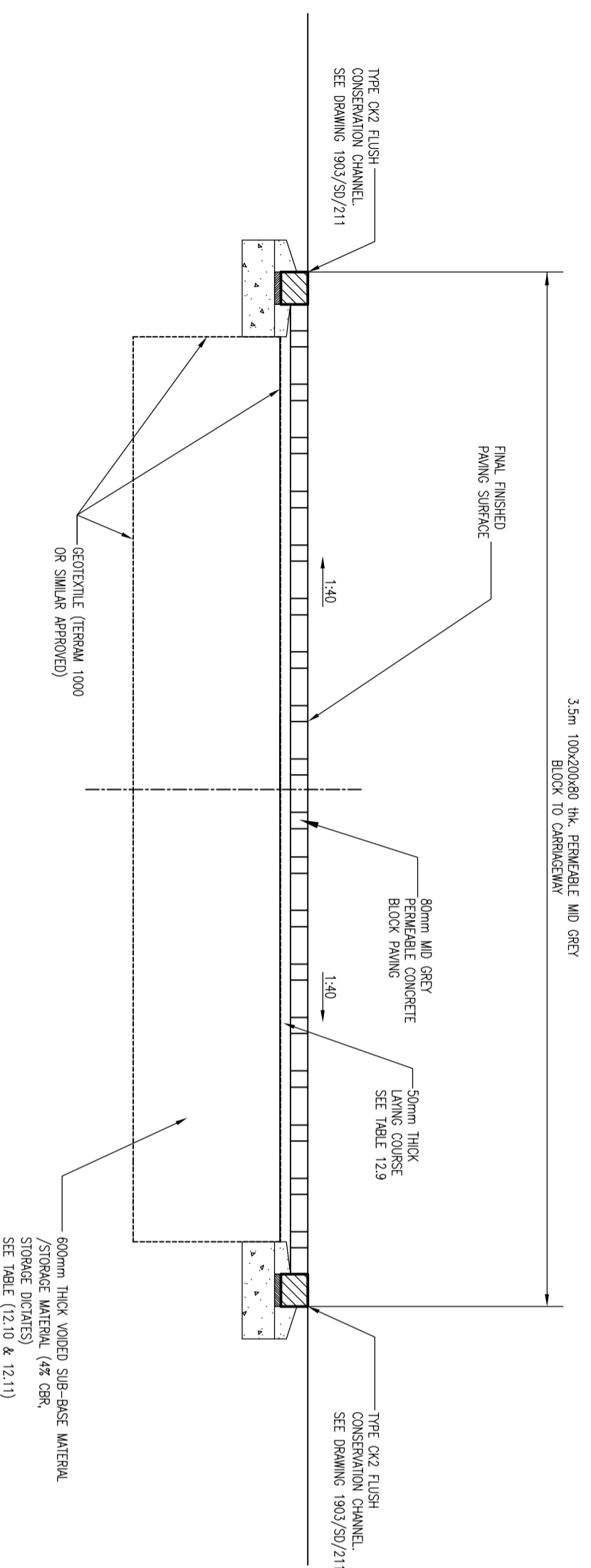


DO NOT SCALE

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL BLOCKWORK IN CARRIAGEWAYS TO BE LAID IN 45 DEGREE HERRINGBONE PATTERN.



PERMEABLE BLOCK
PAVING CONSTRUCTION DETAIL
SCALE 1:25

CARRIAGEWAY CONSTRUCTION

LAYER	MATERIAL	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	MID GREY PERMEABLE CONCRETE BLOCK TYPE C/2	80mm	BS EN 1338:2003
LAINING COURSE	GRADED AGGREGATE	50mm	BS EN 12620
GEO-TEXTILE MEMBRANE	TERRAM 1000 OR SIMILAR APPROVED	N/A	N/A
SUB BASE COURSE	THICK VOIDED SUB BASE MATERIAL	600mm	REFER TABLE 12.10 & TABLE 12.11
GEOTEXTILE MEMBRANE	TERRAM 1000 OR SIMILAR APPROVED	N/A	N/A

TABLE 11 THE SUB-BASE THICKNESS SHALL BE ADJUSTED IN ACCORDANCE WITH THE FOLLOWING ACCORDING TO MEASURED IN-SITU CBR VALUES

PSUBGRADE CBR (%)	ADJUSTMENT OF SUB BASE THICKNESS
CBR = 4% OR GREATER	NO ADJUSTMENT
CBR 3% TO <4%	+100mm
CBR 2% TO <3%	+200mm
CBR <2%	SUBGRADE IMPROVEMENT REQUIRED

TABLE 12.9 LAINING COURSE SPECIFICATION
(2/6.3 TO BS EN 12620 (BSI, 2002b))

BS SIEVE SIZE (MM)	PERCENTAGE PASSING
14	100
10	90-100
6.3	80-99
2	0-20
1	0-5

TABLE 12.10 TYPICAL GRADING REQUIREMENT
FOR SUB-BASE AGGREGATE (TO BS EN 12620)

SIEVE SIZE (MM)	PERCENT PASSING	
	COURSE AGGREGATE 4MM TO 20MM (4/20)	4MM TO 20MM (4/20)
80	--	--
63	--	--
40	100	100
31.5	98-100	98-100
20	90-99	90-99
10	25-70	25-70
4	0-15	0-15
2	0-5	0-5
1	--	--

TABLE 12.11 SUB-BASE AGGREGATE SPECIFICATION REQUIREMENTS

PROPERTIES	CATEGORY TO BS EN 13242 (BSI,2003) OR BS 12620 (BSI, 2002b)
GRAVING	GRAVING 4/40, Gc 85-15, Gc 20/17.5.
FINES CONTENT	f ₄
SHAPE	F ₂₀
RESISTANCE TO FRAGMENTATION	LA30
DURABILITY: WATER ABSORPTION TO BS EN 1097-6:2000, CLAUSE 7 FOR WA 2% MAGNESIUM SULPHATE SOUNDNESS	WA 242 MS 18
RESISTANCE TO WEAR	M _{DE} 20
ACID-SOLUBLE SULPHATE CONTENT: AGGREGATES OTHER THAN AR-COOLED BLAST-FURNACE SLAG	AS 0.2
AR-COOLED BLAST-FURNACE SLAG	AS 1.0
TOTAL SULPHUR AGGREGATES OTHER THAN AR-COOLED BLAST-FURNACE SLAG	</ = 1% BY MASS
AR-COOLED BLAST-FURNACE SLAG	</ = 2% BY MASS
VOLUME STABILITY OF BLAST-FURNACE AND STEEL SLAGS-AR-COOLED BLAST-FURNACE SLAG	FREE FROM DI-CALCIUM SILICATE AND IRON DISINTEGRATION (BS EN 13242, (BSI, 2003), 6.4.2.2).
STEEL SLAG	</ = 1% BY MASS
LEACHING OF CONTAMINANTS	Y ₅

BLAST FURNACE SLAG AND OTHER RECYCLED MATERIALS SHOULD MEET THE REQUIREMENTS OF THE ENVIRONMENT AGENCY WASTE ACCEPTANCE CRITERIA FOR INERT WASTE WHEN LEACHATE TESTED IN ACCORDANCE WITH BS EN 12457.3 (BSI, 2002a).

REV	DATE	BY	DESCRIPTION	CHK	APP
A	23/02/12	RJJ	FIRST ISSUE	KLV	GH

FOR TECHNICAL APPROVAL



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COUNTRYSIDE PROPERTIES

**SOUTH WEST BICESTER
BICESTER, OXFORDSHIRE**

**GREENWAY CROSSING
PERMEABLE PAVING
ADOPTABLE ROAD & FOOTWAY DETAILS**

SCALE @ 1:25	CHECKED	APPROVED
AS SHOWN	KLV	GH
CAD FILE	DESIGN/DRAWN	DATE
1903-GV-SD-01	RJJ	February 2012
PROJECT No:	DRAWING No:	REV:
11011903	1903/GWSD/01	A

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