



**CARRIAGEWAY CONSTRUCTION**

LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	910/911 & 915	HRA WITH PCC SURFACE COURSE HRA 30/14 F SURF 40/60	50 PEN	40mm	BS 13108-4:2006 DESIGN MIXES TO BE APPROVED COATED CHIPPINGS 14/20mm AGGREGATE PSY: 55 AAV: 12 (SEE NOTE 7)
BINDER COURSE	906	DENSE MACADAM BINDER COURSE	50 PEN	70mm	CL: 3.4.8 TABLE B.11 ANNEX B OF BSI PD 6691 DESIGN MIXES TO BE APPROVED
BASE	906	DENSE MACADAM BASE	50 PEN	90mm	CL: 3.4.8 TABLE B.11 ANNEX B OF BSI PD 6691 DESIGN MIXES TO BE APPROVED
		AC 32 DENSE BASE 40/60 REC			

**FOUNDATION TYPE A**

LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SUB-BASE	803	GRANULAR SUB BASE TYPE 1	N/A	170mm	BASED ON SUBGRADE CBR 10% MIN.
CAPPING	613	GRANULAR MATERIAL 6F1 TO 6F5	N/A	170mm	BASED ON SUBGRADE CBR 10% MIN.
GEOTEXTILE MEMBRANE		TERRAM 1000 OR SIMILAR APPROVED	N/A		IF INSTRUCTED BY ENGINEER.
SUB-BASE ONLY	803	GRANULAR SUB BASE TYPE 1	N/A	250mm	BASED ON SUBGRADE CBR 10% MIN.

**FOUNDATION TYPE B**

LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SUB-BASE	803	GRANULAR SUB BASE TYPE 1	N/A	350mm	BASED ON SUBGRADE CBR 2.5%* MIN.
CAPPING	613	GRANULAR MATERIAL 6F1 TO 6F5	N/A	250mm	BASED ON SUBGRADE CBR 2.5%* MIN.
GEOTEXTILE MEMBRANE		TERRAM 1000 OR SIMILAR APPROVED	N/A		IF INSTRUCTED BY ENGINEER.
SUB-BASE ONLY	803	GRANULAR SUB BASE TYPE 1	N/A	450mm	BASED ON SUBGRADE CBR 2.5%* MIN.

APPROPRIATE SUBGRADE IMPROVEMENT TO BE CARRIED OUT WHERE REQUIRED TO ACHIEVE A MINIMUM CBR OF 2.5%

**FOOTWAY WITH VEHICULAR CROSSING CONSTRUCTION (EXCLUDING MEWS ACCESS)**

LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	1104	CONCRETE PAVING SLABS	N/A	50mm	REFER TO DRAWING 1903/SD/205 30mm BEDDING LAYER
BASE	906	DENSE MACADAM BASE	190 PEN	60mm	CL: 3.4.8 TABLE B.11 ANNEX B OF BSI PD 6691 DESIGN MIXES TO BE APPROVED
SUB-BASE	803	AC 32 DENSE BASE 160/220 REC			
		GRANULAR SUB BASE TYPE 1	N/A	270mm	

**FOOTWAY & FOOTWAY/CYCLEWAY CONSTRUCTION**

LAYER	CLAUSE	MATERIAL	BINDER	THICKNESS	SPECIAL REQUIREMENTS
SURFACE COURSE	1104	CONCRETE PAVING SLABS	N/A	50mm	REFER TO DRAWING 1903/SD/205 50mm BEDDING LAYER
SUB-BASE	803	GRANULAR SUB BASE TYPE 1	N/A	150mm	

**VERGE SPECIFICATION**

ITEM	CLAUSE	SPECIAL REQUIREMENTS	PSV	AAV
MAINTENANCE	3007 AND 3008	MEDIUM FREQUENCY OF CUTTING		
SEEDING/TURFING	3005	SEED MIX FOR SEEDING AND/OR TURF TO BE APPROVED BY ENGINEER		
GROUND PREPARATION	3004	IN ACCORDANCE WITH SUB-CLAUSES 8-11		
TOPSOIL	618	CLASS 5A OR 5B 150MM THICK		

**HRA AGGREGATES**

ITEM	CLAUSE	SPECIAL REQUIREMENTS	PSV	AAV
HRA MATERIAL	910/911	COARSE AGGREGATE TO BE DARK GREY BASALT	55	12
PRECOATED CHIPPINGS FOR GENERAL SPINE ROAD	915	14mm NOM SIZE BLACK AGGREGATE COATED IN BITUMEN FROM XXXX QUARRY	55	12
PRECOATED SPINE ROAD TRAFFIC CALMING LOCATIONS	915	14mm NOM SIZE BUFF AGGREGATE COATED IN PIGMENTED SYNTHETIC BINDER FROM XXXX QUARRY	55	12

**DO NOT SCALE**

- NOTES
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
  - CBR'S TO BE CONFIRMED BY INSITU TESTS CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
  - WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS (SHW), SHW INCLUDES INTERIM ADVICE NOTE 101/07 (AMENDMENT 1) FOR 900 SERIES.
  - ALL MATERIALS WITHIN 450MM OF FINISHED SURFACE SHALL BE NON FROST SUSCEPTIBLE IN ACCORDANCE WITH CL 602.19 AND 801.7.
  - THESE DETAILS INCLUDE THE USE OF HEAVY KERB/PAVING PRODUCTS WHICH THE CONTRACTOR IS EXPECTED TO HANDLE USING APPROPRIATE MECHANICAL HANDLING AIDS IN ACCORDANCE WITH HEALTH AND SAFETY EXECUTIVE (HSE) GUIDANCE.
  - FOUNDATION TYPE A TO BE USED FOR THE INITIAL 500m OF THE SPINE ROAD FROM MIDDLETON STONEY ROAD HEADING SOUTH. FOUNDATION TYPE B TO BE USED THEREAFTER. EXTENS OF FOUNDATION TYPES TO BE CONFIRMED AFTER SITE TESTING OF SUBGRADE CBR.
  - ALL SURFACE COURSE MATERIAL AGGREGATE COLOURS AND SOURCES TO BE APPROVED AT LEAST 4 WEEKS BEFORE INSTALLATION. SEE HRA AGGREGATES TABLE.

**FOR TECHNICAL APPROVAL**

REV	DATE	BY	DESCRIPTION	CHK	APP
B	03/12/08	JH	ISSUED FOR TECHNICAL APPROVAL	JAW	GH
A	16/09/08	JH	INITIAL ISSUE	LH	JM

**WSP**

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**COUNTRYSIDE PROPERTIES**

PROJECT: SOUTH WEST BICESTER  
BICESTER, OXFORDSHIRE

ARCHITECT: TYPICAL HIGHWAY CONSTRUCTION

TITLE: SPINE ROAD A

SCALE @ AS: N.T.S.

CAD FILE: 1903-SD-202

PROJECT NO: 11011903

DRAWING NO: 1903/SD/202

REV: B

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