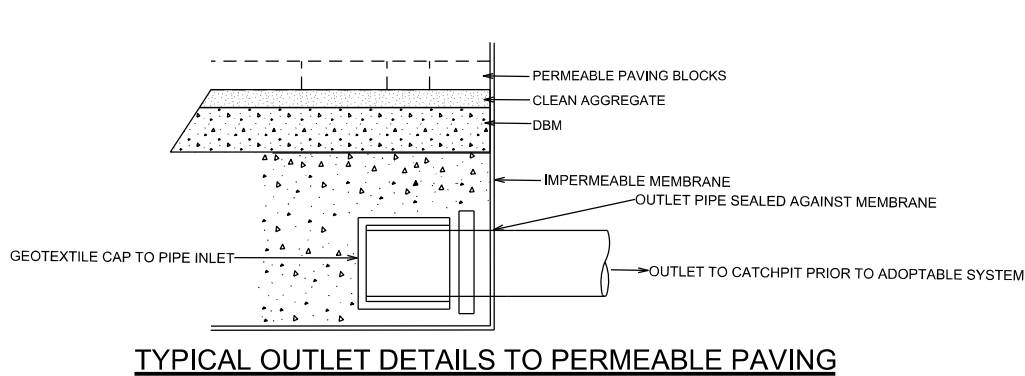
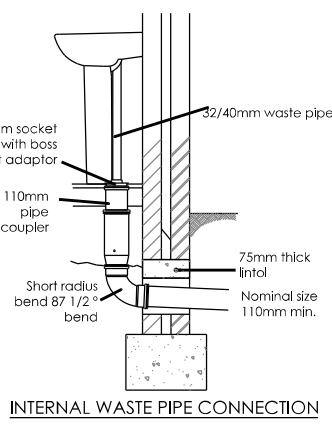
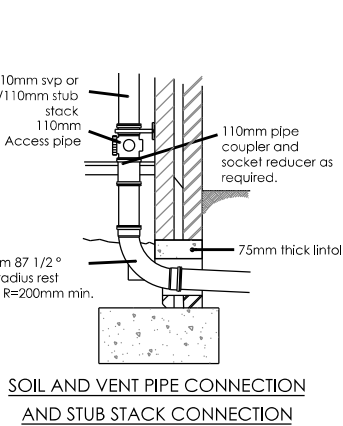
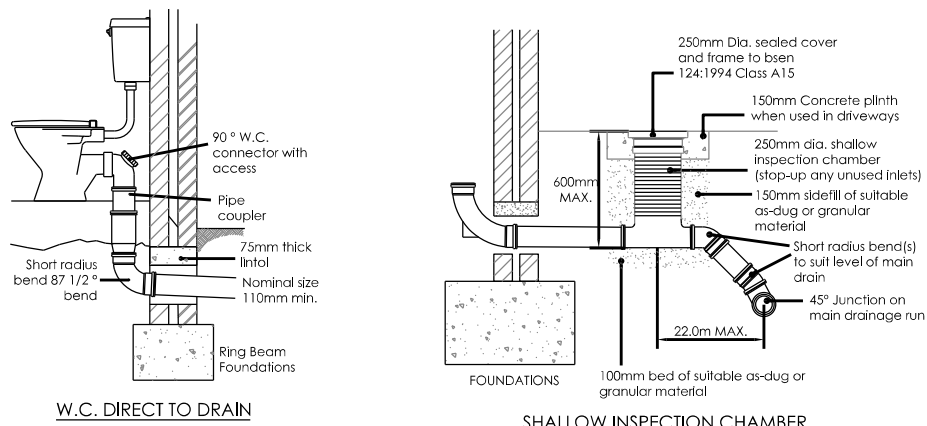
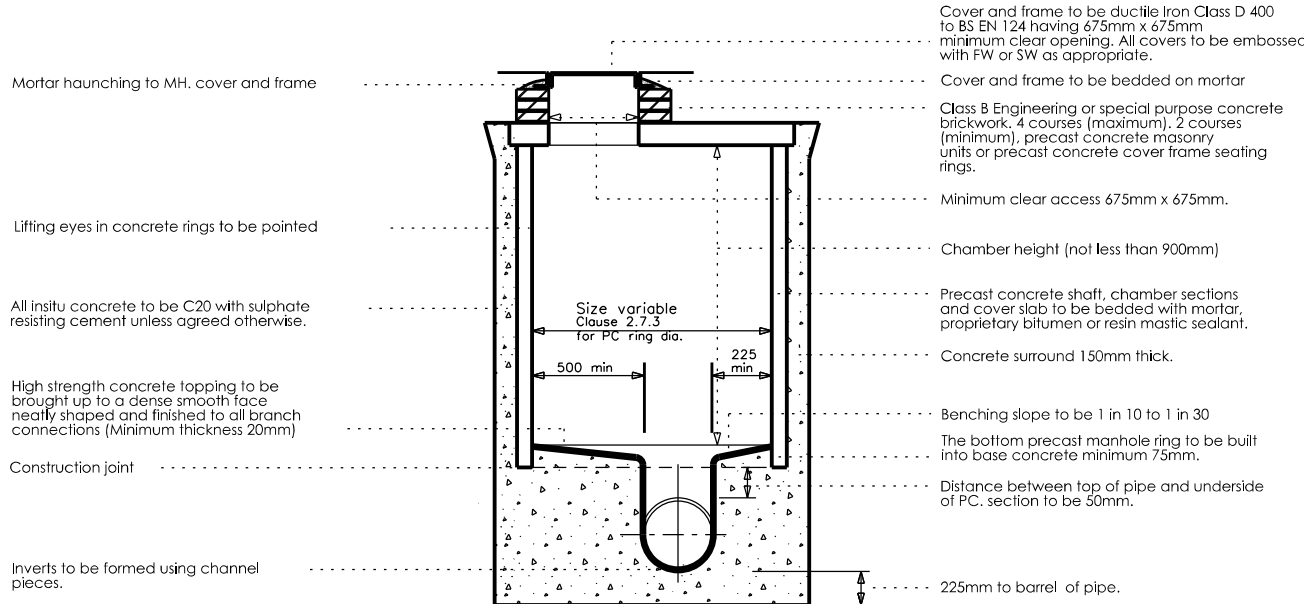




TYPICAL MANHOLE DETAIL TYPE B
(Maximum depth from ground level to soffit of pipe 3.0m)



Cover and frame to be ductile iron Class D 400 to BS EN 124 having 675mm x 675mm minimum clear opening. All covers to be embossed with FW or SW as appropriate.

Cover and frame to be bedded on mortar Class 8 Engineering or special purpose concrete brickwork, 4 courses (maximum), 2 courses (minimum), precast concrete masonry units or precast concrete cover frame sealing rings.

Minimum clear access 675mm x 675mm.

Chamber height (not less than 900mm)

Precast concrete shaft, chamber sections and cover slab to be bedded with mortar, proprietary bitumen or resin mastic sealant.

Concrete surround 150mm thick.

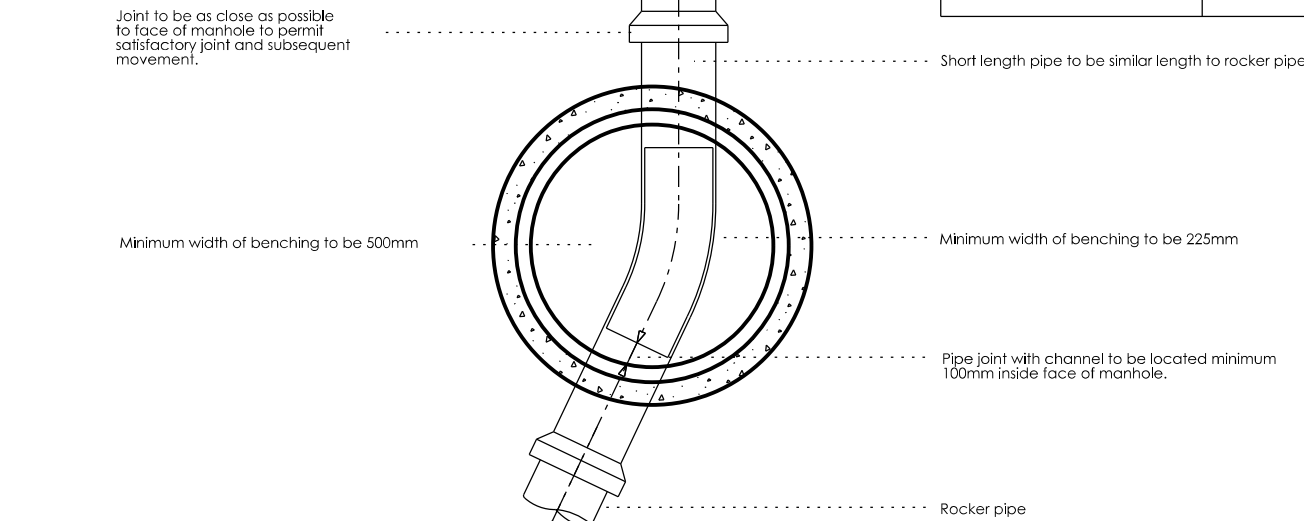
Benching slope to be 1 in 10 to 1 in 30

The bottom precast manhole ring to be built into base concrete minimum 75mm.

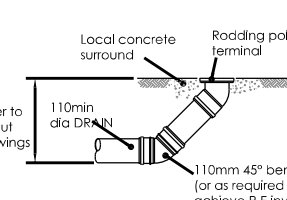
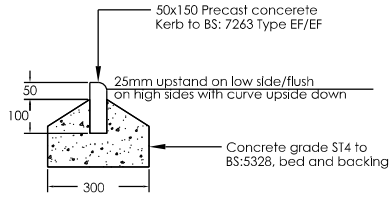
Distance between top of pipe and underside of PC. section to be 50mm.

225mm to barrel of pipe.

Nominal Pipe diameter (mm)	Rocker pipe effective length (m)
150 - 600	0.6
675 - 750	1.0
825 and over	1.25

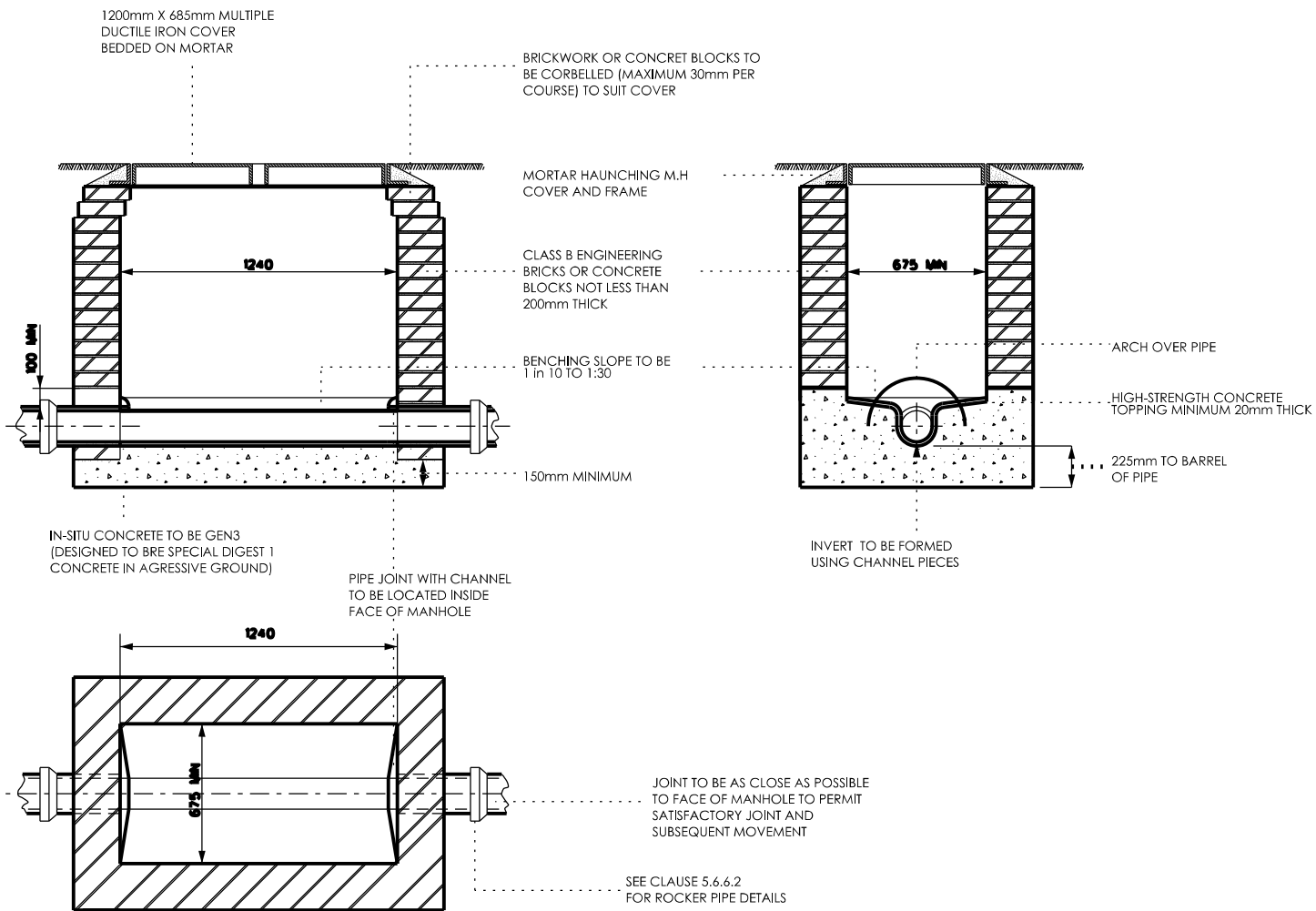


EDGING DETAIL
For use in private drives, parking courts, walkways & Block Paved footpaths



RODDING EYE

TYPICAL MANHOLE DETAIL TYPE C
(DEPTH FROM COVER TO SOFFIT OF PIPE 1.0m to 1.5m)

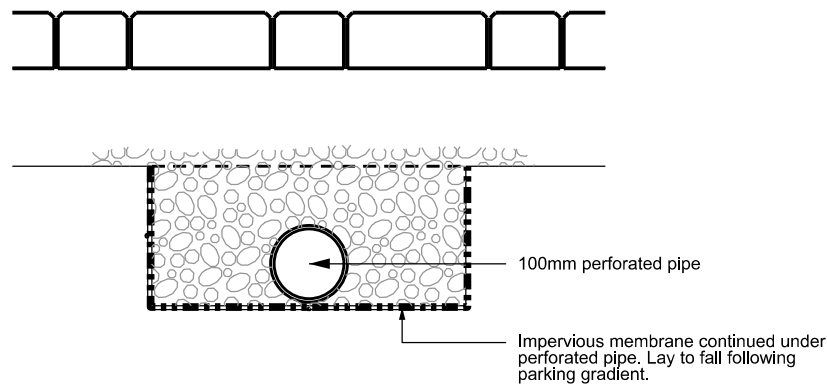


INTERNAL DIMENSIONS OF MANHOLES NORMALLY 1250x675mm BUT CHAMBER WIDTH SHOULD BE INCREASED FOR PIPES LARGER THAN 225mm DIAMETER TO GIVE A MINIMUM 225mm BENCHING EACH SIDE, WITH THE BRICKWORK/MASONRY UNITS CORBELLED DOWN TO SUIT COVER.

NOTE: THE USE OF PRECAST RECTANGULAR CONCRETE MANHOLE UNITS WITH 150mm GRADE GEN3 CONCRETE SURROUND (DESIGNED TO BRE SPECIAL DIGEST 1 CONCRETE IN AGGRESSIVE GROUND) IS PERMITTED

NOTES

- CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE. ONLY FIGURED DIMENSIONS ARE TO BE WORKED FROM. DISCREPANCIES MUST BE REPORTED TO THE ARCHITECT OR ENGINEER BEFORE PROCEEDING. © THIS DRAWING IS COPYRIGHT
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FILTER DRAIN DETAIL

PAVING SLABS TO PATIOS, REAR GARDENS & FRONT PATHS

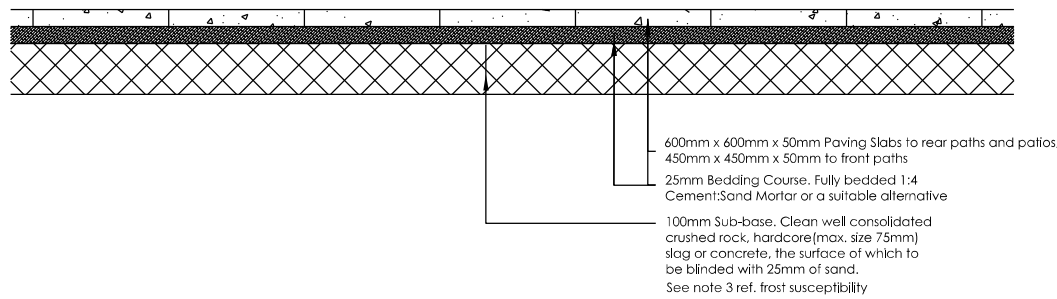


TABLE A.2

LAYING COURSE AND JOINING MATERIAL GRADING	
BS 58VE SIZE (BS EN 933-1) mm	PERCENTAGE PASSING
14	100
10	98-100
6.3	80-99
2.0	0-20
1.0	0-5

NOTE:- These gradings are typical, advice should be sought from the block manufacturer on specific gradings suitable for their product/system.

PRIVATE PARKING COURTS CLOSE GRAGED AGGREGATE ATTENUATION SYSTEM WITH PERMEABLE PAVING CONSTRUCTION

NOTE:- The membrane should be overlapped by at least 300mm and bonded with suitable double sided jointing tape positioned approximately 50mm into the overlap. Pressure should be applied to the bonded area of the lap to ensure waterproofing integrity. Perforations or punctures in the membrane should be covered with another sheet of membrane, have an overlap of at least 300mm.

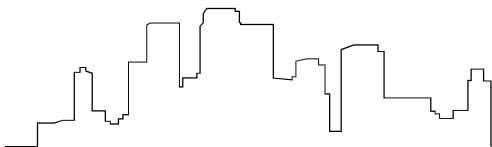
Ensure that the membrane is clean and dry at the time of jacking and is welded to ensure water-tightness.

Punched holes to be filled with 6mm laying course material.

Table 2 from NHBC Standards Chapter 9.2
Minimum sub-base thickness for paved areas (except patios and rear gardens)

California Bearing Ratio (CBR) Values	Minimum thickness (mm) of sub-base (consolidated in accordance with MCHW Volume 1 clause 801, table 8/1)
Less than 2%	With Geotextile underdrain
2% - 3%	With Geotextile underdrain
3% - 5%	With Geotextile underdrain
5% - 7%	With Geotextile underdrain
7% - 20%	With Geotextile underdrain

REV A	TYPICAL FILTER DRAIN DETAIL ADDED	JW	VEV	24.11.2014
REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
	PRELIMINARY ☒ INFORMATION ☐ TENDER ☐ CONSTRUCTION ☐ AS BUILT ☐			



WOODS HARDWICK
ARCHITECTS, ENGINEERS AND DEVELOPMENT CONSULTANTS

TITLE
BILSHAM ROAD
YAPTON

DETAILS
TYPICAL DETAILS

SCALE: NTS @ A2 DATE: OCT 2013 DRAWN: SJT CHK: CSB

Please consider the environment before printing this drawing

17066-2003 A

15-17 GOLDINGTON ROAD
BEDFORD
MK40 3NH
UNITED KINGDOM
T. +44 (0)1234 268862
F. +44 (0)1234 353034
MAIL@WOODSHARDWICK.COM
WWW.WOODSHARDWICK.COM