

675mm x 675mm MINIMUM DUCTILE IRON COVER AND FRAME TO BS EN 124. AND OF A NON-ROCKING DESIGN. CLASS D400 IN AREAS USED BY ROAD VEHICLES. CLASS B125 IN PEDESTRIAN AND COMPARABLE LOCATIONS (SEE NOTE 3). BEDDED ON CLASS M1 MORTAR, PROPRIETARY BITUMEN OR RESIN MASTIC SEALANT.

BRICKWORK TO BE CORBELLED (MAXIMUM 30mm PER COURSE) TO SUIT COVER

CLASS B ENGINEERING BRICKWORK OR PRECAST CONCRETE MASONRY UNITS NOT LESS THAN 200mm THICK.

HIGH STRENGTH CONCRETE TOPPING MINIMUM 20mm THICK. BENCHING SLOPE TO BE 1:10 TO 1:30

INVERTS TO BE FORMED USING CHANNEL PIECES

M1 MORTAR HAUNCHING TO M.H. COVER AND FRAME.

ARCH OVER PIPE

75 min.

225mm TO BARREL OF PIPE

ARCH OVER PIPE

IN-SITU CONCRETE TO BE GEN3 (DESIGNED TO BRE SPECIAL DIGEST 1 CONCRETE IN AGRESSIVE GROUND)

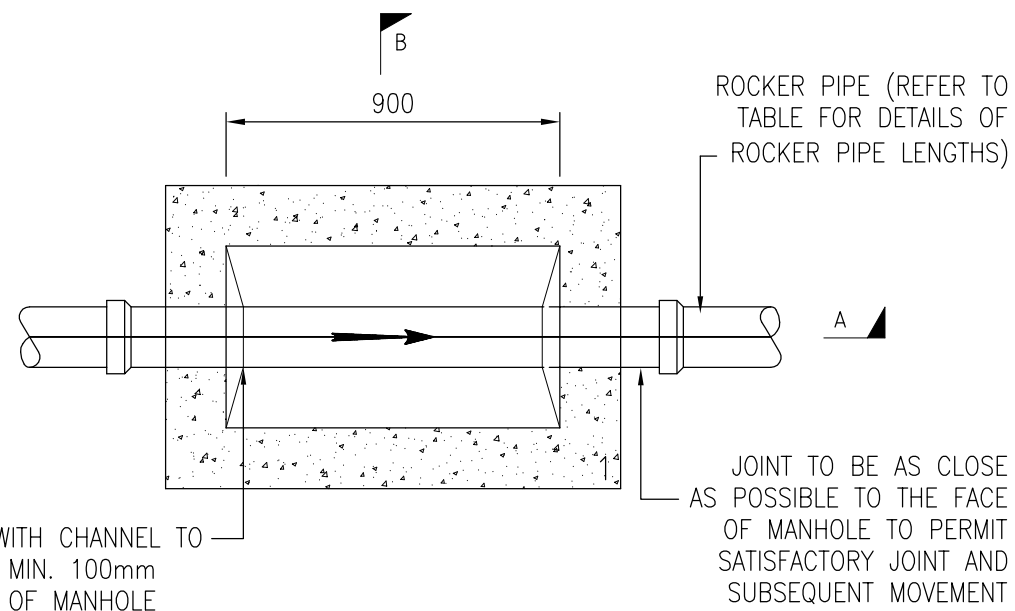
SECTION A-A

SECTION B-B

NOTES

- INTERNAL DIMENSIONS OF MANHOLE NORMALLY 900mm x 675mm BUT MANHOLE WIDTH SHOULD BE INCREASED FOR PIPES LARGER THAN 225mm ϕ TO GIVE A MINIMUM 225mm BENCHING EACH SIDE WITH THE BRICKWORK/MASONRY CORBELLED DOWN TO SUIT COVER.
- OUTGOING PIPES GREATER THAN 600mm ϕ ARE TO BE FITTED WITH HOOKS FOR SAFETY CHAINS
- REFER TO MANHOLE SCHEDULE FOR DETAILS OF COVERS, PIPE SIZES, INVERT LEVELS, MANHOLE DIMENSIONS, ETC.
- PIPES TO BE LAID WITH THEIR SOFFITS LEVEL OR AS SPECIFIED ON THE CONTRACT DRAWINGS.
- THE MAXIMUM No OF CONNECTIONS TO ONE SIDE OF THE CHAMBER IS LIMITED TO 4x 100 DIA ,3x 150 DIA OR 2x 225 DIA
- THE USE OF PRECAST RECTANGULAR CONCRETE MANHOLE UNITS WITH 150mm GRADE GEN3 CONCRETE SURROUND(DESIGNED TO BRE SPECIAL DIGEST 1 CONCRETE IN AGRESSIVE GROUND) IS PERMITTED
- MAXIMUM DISTANCE BETWEEN MANHOLES TO BE 100m
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS REFERRED TO ON THE DRAWING ISSUE SHEET

PRELIMINARY



PLAN

ROCKER PIPE LENGTHS (solid pipes)	
NOMINAL DIAMETER(mm)	EFFECTIVE LENGTH(m)
150-600	0.6
601-750	1.00
OVER 750	1.25

REV	DATE	NATURE OF REVISION	BY	CHECKED

DO NOT SCALE THIS DRAWING. THIS DRAWING IS COPYRIGHT. CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE. ARCHITECT / ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES.

Engineering Consultancy

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CLIENT: BERNEL LTD

PROJECT: DEVELOPMENT ON LAND AT SUGAR STREET, RUSHTON SPENCER

DRAWING: CONSTRUCTION DETAILS : MANHOLE TYPE D

SCALE	NTS	SIZE	A3	DRAWN	JME	CHKD	DE	DATE	12.12.17	JOB NO	5307	DRG NO	D06	REV	-
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