

M1 MORTAR HAUNCHING TO MANHOLE COVER AND FRAME

1220mm x 675mm MULTIPLE DUCTILE IRON/GALVANISED STEEL COVER BEDDED ON M12 MORTAR.

1220x675mm MULTIPLE DUCTILE IRON COVER BEDDED ON MORTAR

CLASS B ENGINEERING BRICKWORK PRECAST CONCRETE OR CONCRETE BLOCK NOT LESS THAN 200mm THICK

RELIEVING BRICK ARCH OR REINFORCED CONCRETE LINTEL OVER PIPE

HIGH STRENGTH CONCRETE TOPPING (GRANOLITHIC FINISH). BENCHING TO BE BROUGHT UP TO A DENSE SMOOTH FACE, NEATLY SHAPED AND FINISHED TO ALL BRANCH CONNECTIONS (MIN THICKNESS 20mm)

C16/20 CONCRETE BASE

75mm C12/15 BLINDING CONCRETE

BENCHING SLOPE TO BE 1IN10 TO 1IN30

225mm TO BARREL OF PIPE

INVERT TO BE FORMED USING CHANNEL PIPES

F.G.L.

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

PIPE JOINT WITH CHANNEL TO BE LOCATED INSIDE FACE OF MANHOLE

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

SECTION A-A

SECTION B-B

INTERNAL DIMENSIONS OF MANHOLE NORMALLY 1240mm x 675mm BUT MANHOLE WIDTH SHALL BE INCREASED FOR PIPES LARGER THAN 225mm DIA. TO PROVIDE 225mm BENCHING EACH SIDE WITH THE BRICKWORK/MASONRY UNITS CORBELLED DOWN TO SUIT COVER AND FRAME.

ROCKER PIPE DETAILS:

NOMINAL PIPE DIAMETER (mm)	MAXIMUM EFFECTIVE LENGTH (m)
150-600	0.6
601-750	1.0
OVER 750	1.25

JOINT TO BE CUT AS CLOSE AS POSSIBLE TO FACE OF MANHOLE TO PERMIT SATISFACTORY JOINT AND SUBSEQUENT MOVEMENT

SEE TABLE FOR ROCKER PIPE DETAILS

PIPE JOINT WITH CHANNEL TO BE LOCATED INSIDE FACE OF MANHOLE

ROCKER PIPE

PLAN

INSPECTION CHAMBER
MANHOLE DEPTH TO SOFFIT 1.00 - 1.45m

NOTES

1. ALL DIMENSIONS ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS ARE TO BE USED.
3. REFER TO SPECIFICATION FOR GENERAL CONSTRUCTION.
4. ALL CONCRETE TO GIVE CLASS 4 SULPHATE RESISTANCE.
5. REFER TO SEWERS FOR ADOPTION

NOTES FOR DESIGNER

REV.	DATE	DESCRIPTION	BY

COMPANY DETAILS:

CONTRACTORS DRAWING NO. REVISION

PROJECT TITLE

DRAWING TITLE
INSPECTION CHAMBER
DEPTH TO SOFFIT 1.0m - 1.45m

SCALE	DRAWN	DATE	SIZE
N.T.S	CHECKED	APPROVED	DATE
DESIGNED	STATUS	SITE	

DRAWING NO. 4..... REVISION