

MORTAR BEDDING AND HAUNCHING TO COVER AND FRAME

CLASS D400 (UNLESS OTHERWISE AGREED) DUCTILE COVER AND FRAME WITH CLOSED KEYWAYS HAUNCHING WITH M12 MORTAR

CLASS B ENGINEERING BRICKWORK, PRECAST CONCRETE MASONRY UNITS OR PRECAST COVER SEATING RINGS ON M12 MORTAR - 2 TO 4 COURSES

HEAVY DUTY REINFORCED CONCRETE COVER SLAB BEDDED ON M12 MORTAR OR PROPRIETARY SEALING STRIP. DESIGNED FOR THIS PURPOSE TO SUPPLIERS APPROVAL

DEPTH TO INVERT

PRECAST CONCRETE CHAMBER RINGS BEDDED ON M12 MORTAR OR SEALING STRIP. INTERNAL DIA AS SPECIFIED.

WHERE BENCHING IS LESS THAN 450mm WIDE SLOPE SHALL NOT BE STEEPER THAN 1 IN 10. WHERE MORE THAN 450mm WIDE SHALL BE NO FLATTER THAN 1 IN 30.

225 TO BARREL OF PIPE

INVERT TO BE FORMED USING CHANNEL PIPES

MINIMUM CLEAR ACCESS 675mm

C16/20 CONCRETE SURROUND 150mm THICK POURED WITHIN FORMWORK IN ONE LIFT OR JOINTS TO BE STAGGERED IN CONCRETE SURROUND WITH PRECAST SECTION

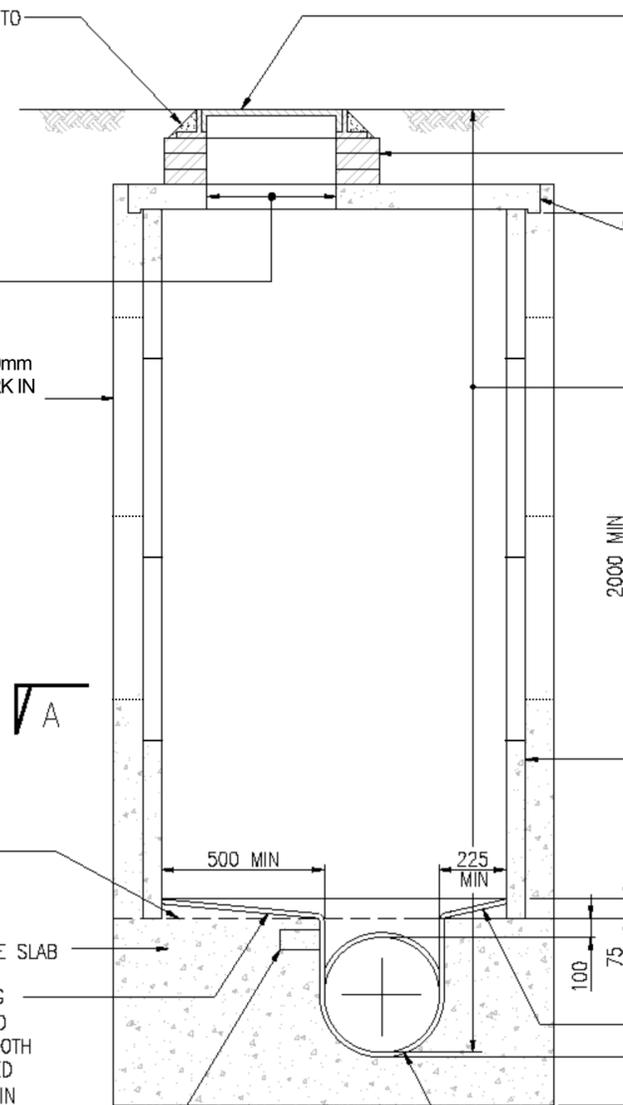
CONSTRUCTION JOINT

C16/20 CONCRETE WALL AND BASE SLAB

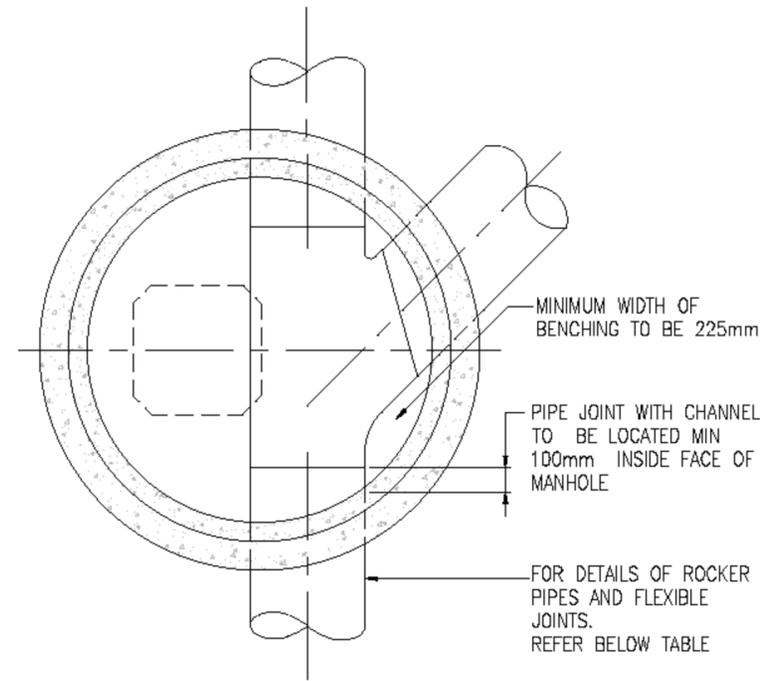
HIGH STRENGTH CONCRETE TOPPING (GRANOLITHIC FINISH). BENCHING TO BE BROUGHT UP TO A DENSE SMOOTH FACE, NEATLY SHAPED AND FINISHED TO ALL BRANCH CONNECTIONS (MIN THICKNESS 20mm).

SELF CLEANING TOE HOLES TO BE PROVIDED WHERE CHANNEL EXCEEDS 600mm WIDE

75mm THICK C12/15 BLINDING CONCRETE



MAN ENTRY CHAMBER
MANHOLE DEPTH TO SOFFIT >3.0



SECTION A-A

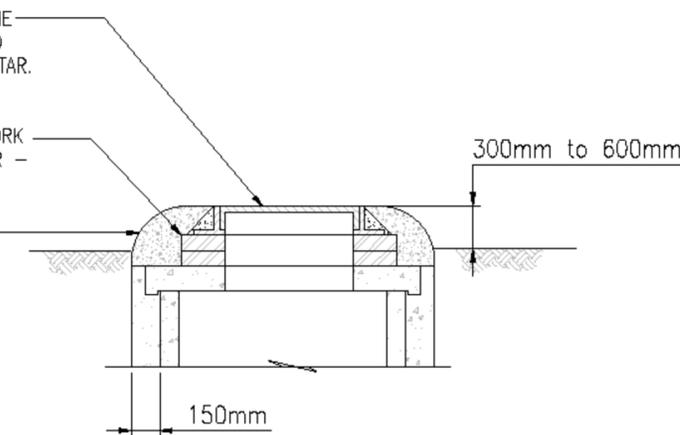
ROCKER PIPE DETAILS:

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

DUCTILE IRON COVER AND FRAME WITH CLOSED KEYWAYS, BEDDED AND HAUNCHING WITH M12 MORTAR.

CLASS B ENGINEERING BRICKWORK 225mm THICK ON M12 MORTAR - 2 TO 4 COURSES.

C16/20 CONCRETE SURROUND.



DETAIL OF MAN ENTRY CHAMBER TOP
IN AGRICULTURAL LAND

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)*
LESS THAN 375	1200
375 - 450	1350
500 - 700	1500
750 - 900	1800
GREATER THAN 900	PIPE DIAMETER +900

* THE SPECIFIED DIAMETERS ARE THE MINIMUM REQUIRED. WHERE MORE THAN ONE PIPE ENTERS A MANHOLE THE DIAMETER MUST BE INCREASED BY AT LEAST ONE SIZE INCREMENT TO SUIT CIRCUMSTANCES.

* NOTE 1050mm DIAMETER PRECAST RINGS ARE NOT ACCEPTABLE

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. GFN 3
5. REFER TO SEWERS FOR ADOPTION

NOTES FOR DESIGNER

REV.	DATE	DESCRIPTION	BY

COMPANY DETAILS:

CONTRACTORS DRAWING NO.	REVISION

PROJECT TITLE

DRAWING TITLE

PRECAST CONCRETE
MAN ENTRY CHAMBERS
DEPTH TO SOFFIT OF PIPE
GREATER THAN 3.0m

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

DRAWING NO.	REVISION
2.....	