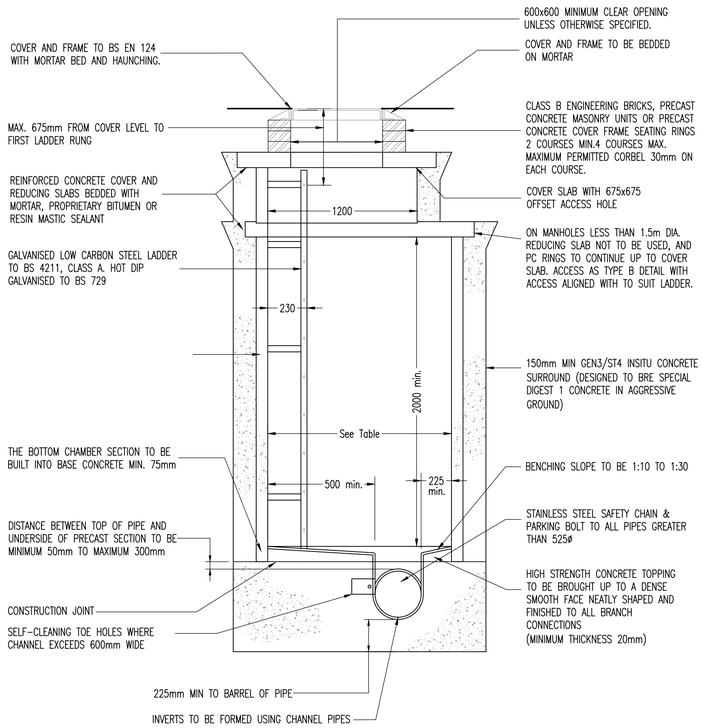
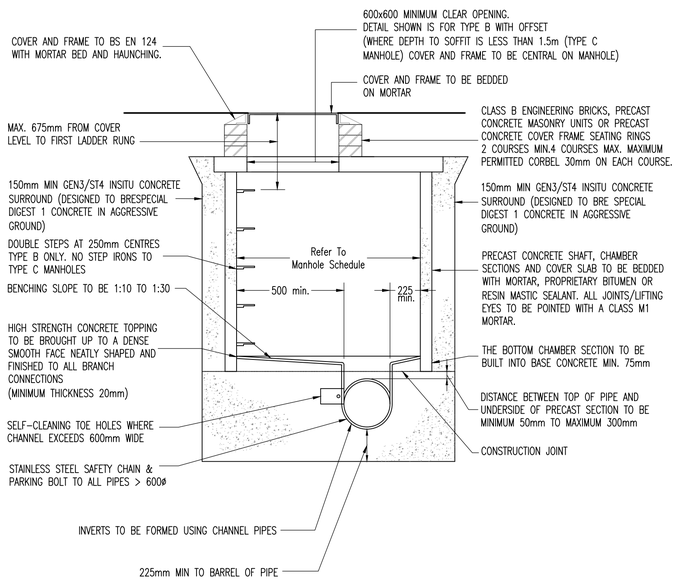
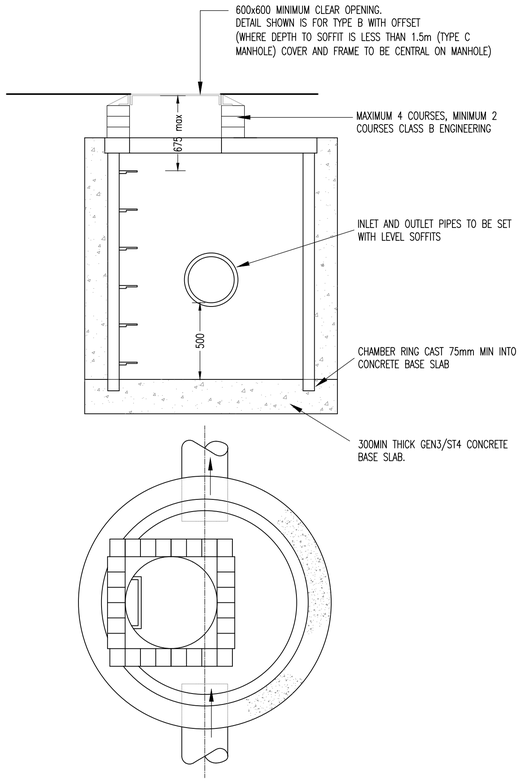




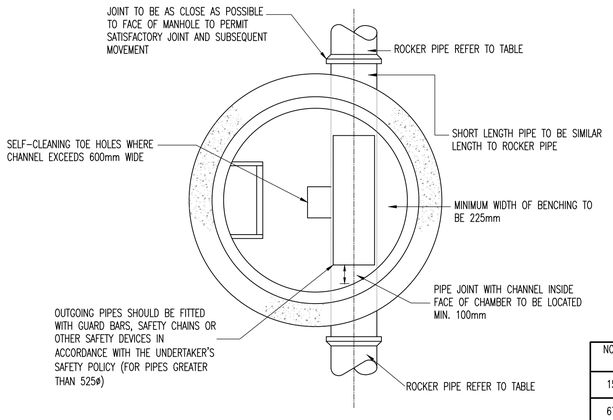
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)
LESS THAN 375mm	1200
375 – 450	1350
500 – 700	1500
750 – 900	1800

MINIMUM MANHOLE CHAMBER SIZES



CATCHPIT MANHOLE

CHAMBER CONSTRUCTION AS FOR PCC MANHOLES



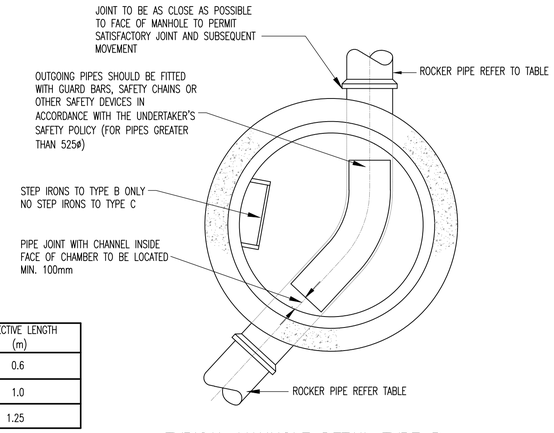
TYPICAL MANHOLE DETAIL TYPE A

DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 3m TO 6m
FOR CHAMBERS LESS THAN 1500ø A TYPE B MANHOLE SHALL BE USED

NOTE:
WIDE WALL P.C.C CHAMBER RINGS MAY BE USED FOR MANHOLES IN AREAS NOT AT RISK FROM FLOATION DUE TO A POTENTIAL HIGH WATER TABLE. THE RINGS SHALL BE INSTALLED AND SEALED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. NO CONCRETE SURROUND WILL BE REQUIRED TO THE P.C.C RINGS.

NOMINAL DIA. (mm)	EFFECTIVE LENGTH (m)
150 to 600	0.6
675 to 750	1.0
825 & over	1.25

ROCKER PIPE TABLE

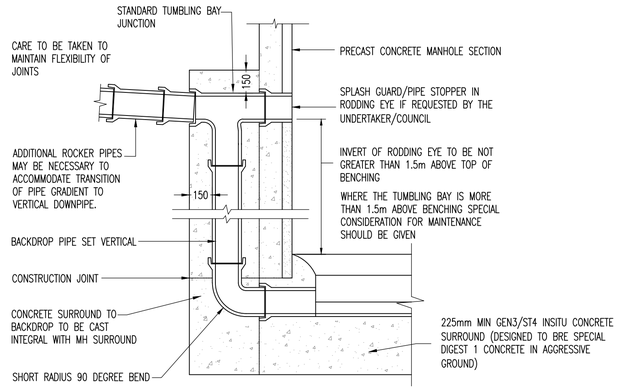


TYPICAL MANHOLE DETAIL TYPE B
DEPTH TO SOFFIT OF PIPE 1.5m* TO 3.0m

TYPICAL MANHOLE DETAIL TYPE C
DEPTH TO SOFFIT OF PIPE LESS THAN 1.5m

P.C.C CHAMBER RINGS USED FOR MANHOLES LESS THAN 1500 TO SOFFIT SHALL BE 600X600 CLEAR OPENING. ALL MAINTENANCE SHALL BE CARRIED OUT FROM THE SURFACE. NO STEP RUNGS SHALL BE PROVIDED. THE COVER OPENING SHALL BE LOCATED OVER THE OUTGOING PIPE.

FOR MAINTENANCE, ANY MANHOLE CONSTRUCTED WITHOUT DOUBLE STEPS OR A LADDER SHALL BE ACCESSED BY WINCH ONLY.



SEWER DIAMETER (mm)	DROP SHAFT DIAMETER (mm)
225-300	225
375	300
450	375
525-600	450
675	525
750-900	600

THE CONNECTION AT THE BOTTOM OF THE BACKDROP IS TO BE MADE AT SOFFIT LEVEL IN MANHOLES MAX. PIPE SIZE 825mm AND AT SPRINGING LEVEL IN MANHOLES PIPE SIZE 900 TO 1500mm VERTICAL RODDING EYE MAY BE REQUIRED IN SITUATIONS WHERE BLOCKAGES ARE HIGH RISK.
THE TUMBLING BAY SHALL BE BUILT INTO THE MANHOLE CHAMBER BELOW ANY REUCING SLAB

MINIMUM DIMENSIONS REQUIRED TO CONSTRUCT BACKDROP	
PIPE DIA. (mm)	MIN DIMENSION (mm)
100	530
150	630
225	915
300	1170

TYPICAL VERTICAL BACKDROP DETAIL

NOTE : WHERE THE DROP IS NOT EXCESSIVE A 45° DROP PIPE MAY BE USED

THIS DRAWING IS THE PROPERTY OF RoCp. COPYRIGHT IS RESERVED BY THEM AND THE DRAWING IS ISSUED ON THE CONDITION THAT IT IS NOT COPIED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTHORISED PERSON EITHER WHOLLY OR IN PART WITHOUT THE WRITTEN CONSENT OF RoCp

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS.
3. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.

REV	DATE	DETAILS	DRN	CHK
C01	08.09.23	CONSTRUCTION ISSUE	PG	JAS
P01	23.05.23	FIRST ISSUE	PG	JAS

DRAWING STATUS
CONSTRUCTION

RIBA STAGE
RIBA STAGE 5

RoC CONSULTING
Commercial Wharf
6 Commercial Street
Manchester M15 4PZ
T 0161 214 5390
W rocconsulting.com

DRAWN: PG	DATE: MAY 23	SCALES: NTS
CHECKED: JAS	DATE: MAY 23	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE --DO NOT SCALE--
APPRVD.: JAS	DATE: MAY 23	EMAIL FOR DRAWINGS: info@rocconsulting.com

CLIENT
VITA GROUP

PROJECT TITLE
PLOT 10B
FIRST STREET

DRAWING TITLE
TYPICAL DRAINAGE DETAILS
SHEET 1

DRAWING No.	REV.
Z1-ROC-G580-PL-XX-DR02	C01

4513

© RoCp Ltd.