

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING.

MANHOLE CONSTRUCTION

FOR SURFACE WATER MANHOLES HIGH DENSITY BLOCKS TO CL S10 OF IS 20 PART 1:1987 OR CL 30N/20mm INSITU CONCRETE.
BLOCKWORK SHALL BE BEDDED AND JOINTED USING MORTAR TO IS 406. BEDS AND VERTICAL JOINTS SHALL BE COMPLETELY FILLED WITH MORTAR AS THE BLOCKS ARE LAID.
JOINTS SHALL BE FLUSH POINTED AS THE WORK PROCEEDS. ALL FOUL MANHOLES MUST BE FACED IN SOLID ENGINEERING BRICK (min CLASS A OR B) OR INSITU CONCRETE FOR 1m ABOVE BENCHING LEVEL.
BRICK TO BE BONDED TO BLOCKWORK USING ENGLISH GARDEN WALL BOND

ALL LADDERS, RUNGS, HANDRAILS AND SAFETY CHAINS ETC SHALL BE HOT DIP GALVANISED TO BS 729 OR EQUIVALENT. REFER TO "GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS" FOR FURTHER DETAILS.

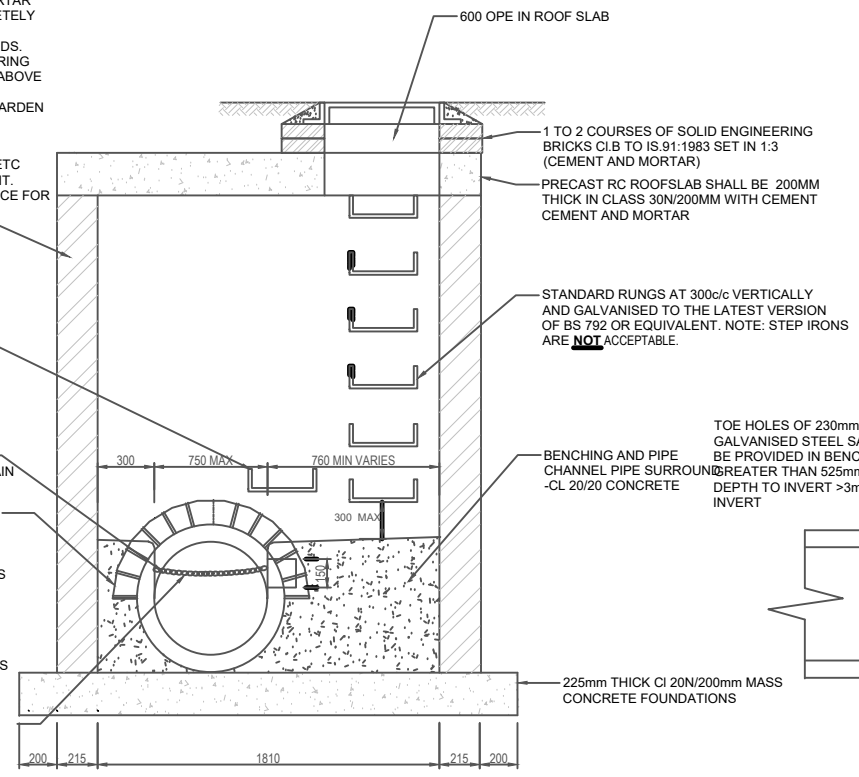
600mm x 600mm SQUARE OPE IN ROOF SLAB

IF DEPTH TO INVERT IS > 4.0m PROVIDE ADDITIONAL RUNG FOR SAFETY

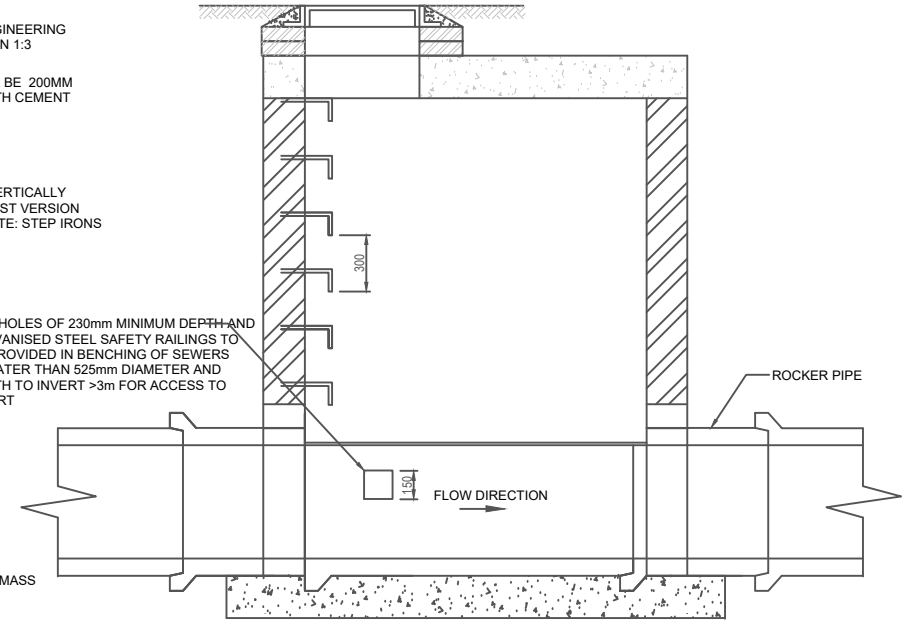
SAFETY CHAIN SHOWN FOR INFORMATION. POSITION CHAIN ON DOWNSTREAM ONLY

RELIEVING ARCH FORMED BY 215 x 103 x 65 SOLID ENGINEERING BRICK CLASS A OR B AS PER DRAWING. RELIEVING ARCHES USED IN BRICK OR BLOCKWORK MANHOLES EXTEND OVER FULL THICKNESS OF WALL. A DOUBLE ARCH IS TO BE FORMED FOR PIPE DIAMETERS GREATER THAN 600mm

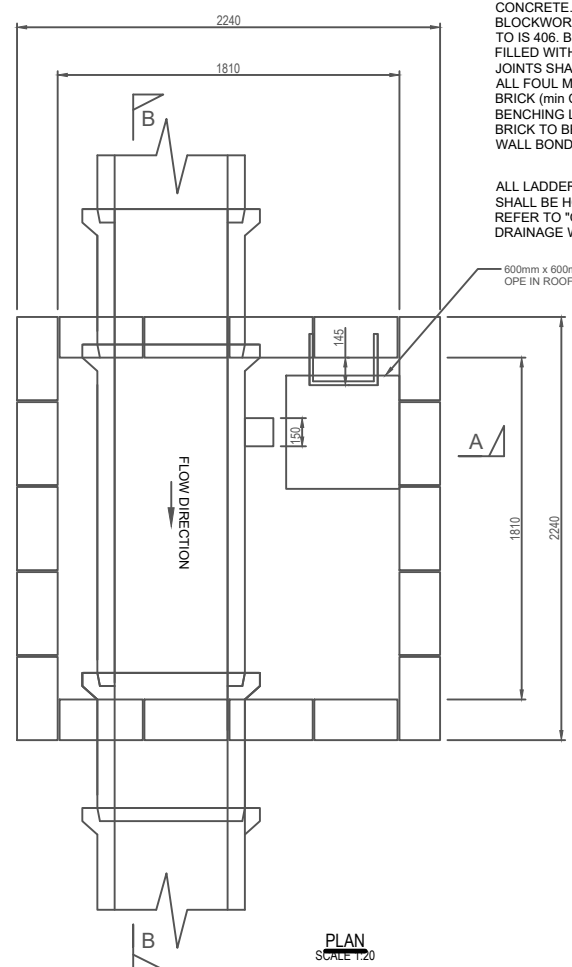
A SAFETY CHAIN IS TO BE PROVIDED ON OPEN PIPES THAT EXCEED 450mm IN DIAMETER. MILD SAFETY CHAIN SHALL BE 10mm NOMINAL SIZE GRADE M(H) NON CALIBRATED CHAIN, TYPE 1, COMPLYING WITH BS 4942 PART 2 OR EQUIVALENT



SECTION A-A
SCALE 1:20



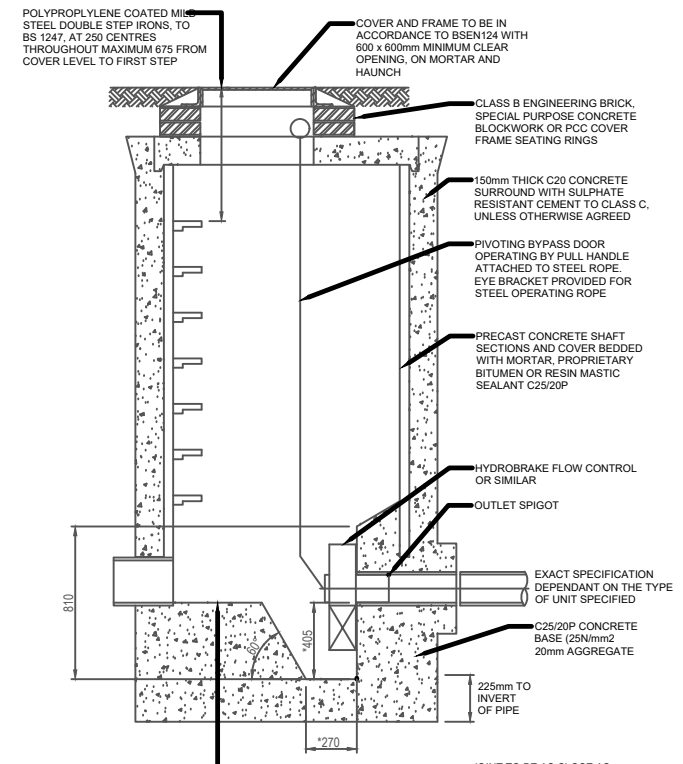
SECTION B-B
SCALE 1:20



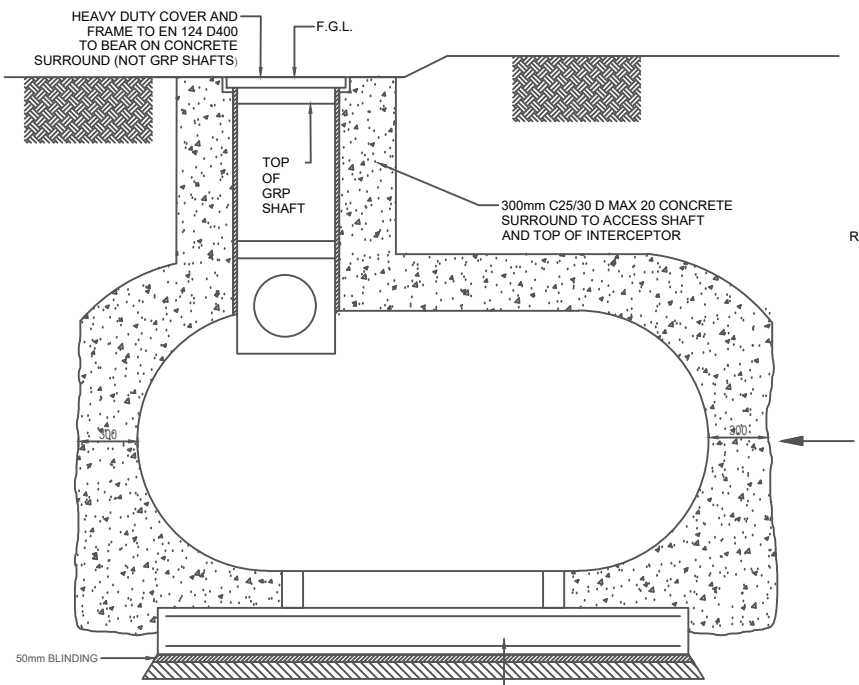
PLAN
SCALE 1:20

MANHOLES DETAILS - TYPE D MANHOLE (SURFACE WATER OUTFALL MANHOLE)

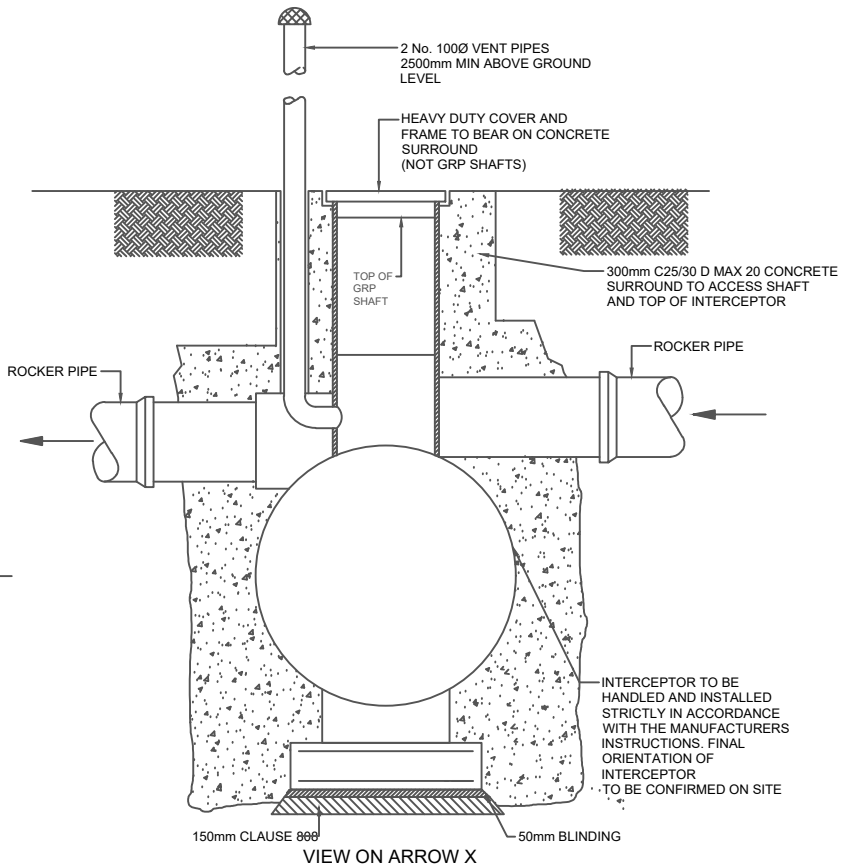
SCALE 1:20



TYPICAL FLOW CONTROL MANHOLE
SCALE 1:20 / 1:40



TYPICAL GRP BYPASS SEPARATOR CLASS 1
SCALE 1:20



VIEW ON ARROW X

P04	ISSUED FOR PLANNING	11.12.20	GS	DH
P03	ISSUED FOR PLANNING	12.11.19	JC	GS
P02	ISSUED FOR PLANNING	19.09.19	JC	AC
P01	ISSUED FOR PLANNING	19.08.19	GS	AC
Rev:	Description:	Date:	By:	Chkd:



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ISSUED FOR INFORMATION **S2**

Project: **GLEN ABBEY**

Dig Title: **PROPOSED SITE SERVICES DETAILS SHEET 3 OF 4**

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1/A3	19/08/19	GS	AC	DH
Scale:	AS SHOWN			
Project No:	Originator:	Zone:	Level:	Type: Discipline: Category / Number: Rev:
072414 - CUR - 00 - XX - DR - C -	90011	-P04		

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