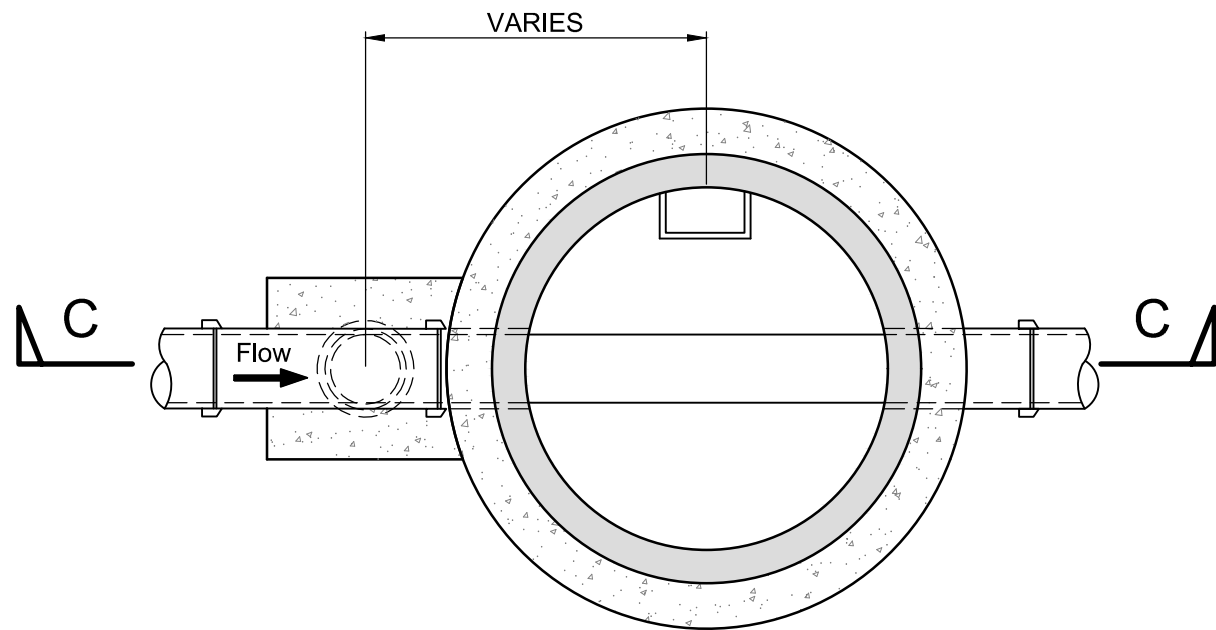


SECTION A-A

SECTION B-B

"HYDRO-BRAKE" MANHOLE DETAIL

SCALE 1:25@A1  
1:50@A3

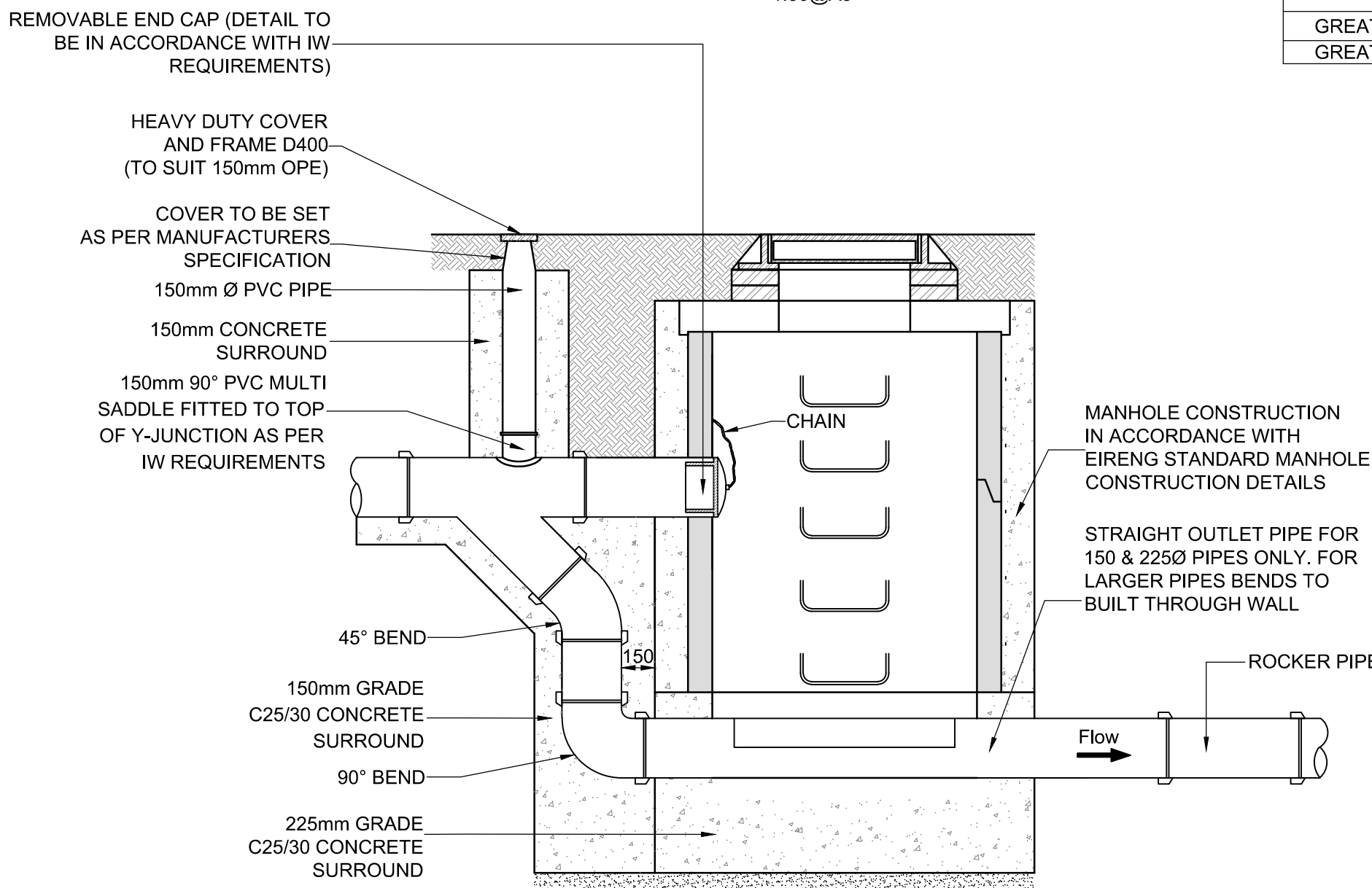


SECTIONAL PLAN

SCALE 1:25@A1  
1:50@A3

MINIMUM MANHOLE DIAMETERS	
LARGEST PIPE DIA. (mm)	INTERNAL DIA. OF MANHOLE (mm)
LESS THAN 150Ø	1500

ROCKER PIPE LENGTH	
PIPE DIA. (mm)	ROCKER PIPE LENGTH (mm)
150 to 600	600
GREATER THAN 600 to 750	1000
GREATER THAN 750	1250



SECTION C-C

VERTICAL BACKDROP MANHOLE TYPE No. 1

150mm - 450mm Ø (INCL) DROP GREATER THAN 1700mm & LESS THAN 2300mm  
500mm - 900mm Ø (INCL) DROP GREATER THAN 2300mm & LESS THAN 3000mm  
SCALE 1:25@A1  
1:50@A3

NO DIMENSION SHALL BE SCALED FROM THIS DRAWING. ALL DIMENSIONS SHALL BE SITE CHECKED. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS

Notes :-

General

1. If this drawing has been received electronically it is the recipients responsibility to print the document to the correct scale.
2. All dimensions are in (mm.) unless otherwise noted.
3. All levels are in meters above datum unless otherwise noted.
4. This drawing is to be read in conjunction with all the relevant Engineers', Services Engineers, Manufacturers & Architects drawings and specifications.

SURFACE WATER MANHOLE NOTES:-

FOR SURFACE WATER MANHOLES HIGH DENSITY BLOCKS TO CL.S10 OF I.S.20 PART 1: 1987 OR CL.30/20 IN-SITU CONCRETE. BLOCKWORK SHALL BE BEDDED AND JOINTED USING MORTAR DESIGNATION THREE TO I.S.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 IN-SITU CONCRETE FOR 1m ABOVE BENCHING LEVEL BRICK TO BE BONDED TO BLOCKWORK USING ENGLISH GARDEN WALL BOND.

MANHOLE COVER NOTE :-

CLASS D400 MANHOLE COVER AND FRAME TO IS/EN 124. 150mm DEEP FRAME FOR ROADS, 100mm DEEP FOR FOOTPATHS AND GREEN AREAS. NON-ROCK DESIGN, CLOSED KEYWAYS, MANUFACTURED FROM SPHEROIDAL GRAPHITE CAST IRON (DUCTILE CAST IRON), 600x600 (OR 600 DIAM) CLEAR OPENING, COVER & FRAME COATED IN BITUMEN OR OTHER APPROVED MATERIAL, COVER TO HAVE A MINIMUM MASS OF 140kg/m2, FRAME BEARING AREA SHALL BE 80,000mm2 MIN. FRAMES SHALL BE DESIGNED TO PREVENT COVERS FALLING INTO MANHOLE. FRAMES SHALL BE BEDDED ON APPROVED MORTAR TO MANUFACTURER'S CONSTRUCTIONS.

GENERAL NOTES :-

- I) ALL BRICK TO BE SOLID ENGINEERING BRICK CLASS A OR B
- II) FOR PIPE DIAMETER >750mm USE MANHOLE WITH INTERNAL DIAMETER SIZE= PIPE SIZE + 1 METRE + 300mm
- III) DISTANCE FROM THE TOP RUNG OF THE LADDER TO GROUND LEVEL MUST BE A MAXIMUM OF 500mm.

PL2	PLANNING ISSUE	12.08.22	LL	ED
PL1	PLANNING ISSUE	05.11.21	LL	ED
Rev	Description	Date	Dm	Apr

Project Stage
Planning

Client
Serendale Limited

Architect
JSA Architects

Architect
JSA Architects

Architect
JSA Architects

Architect
JSA Architects

Architect
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