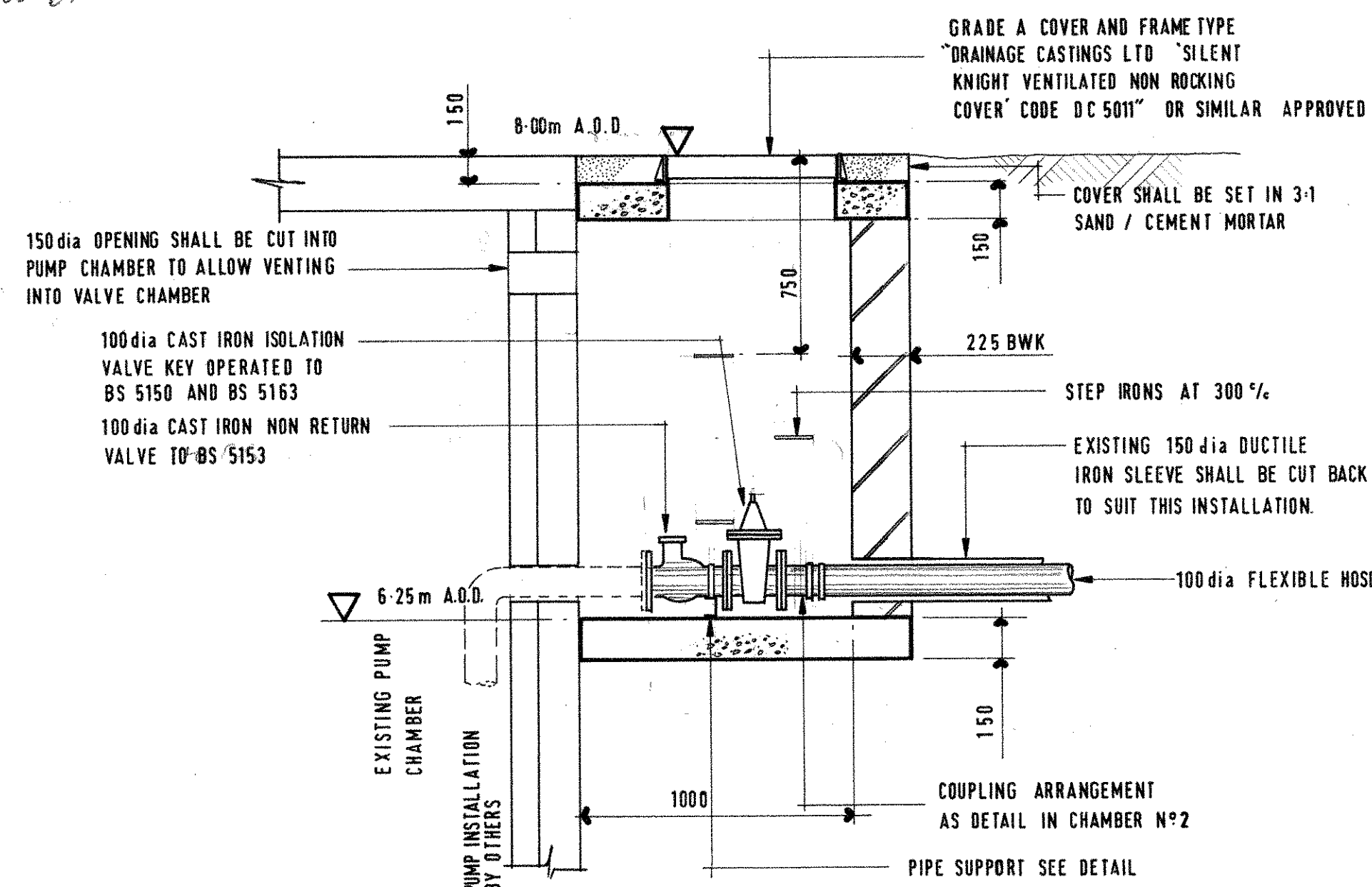
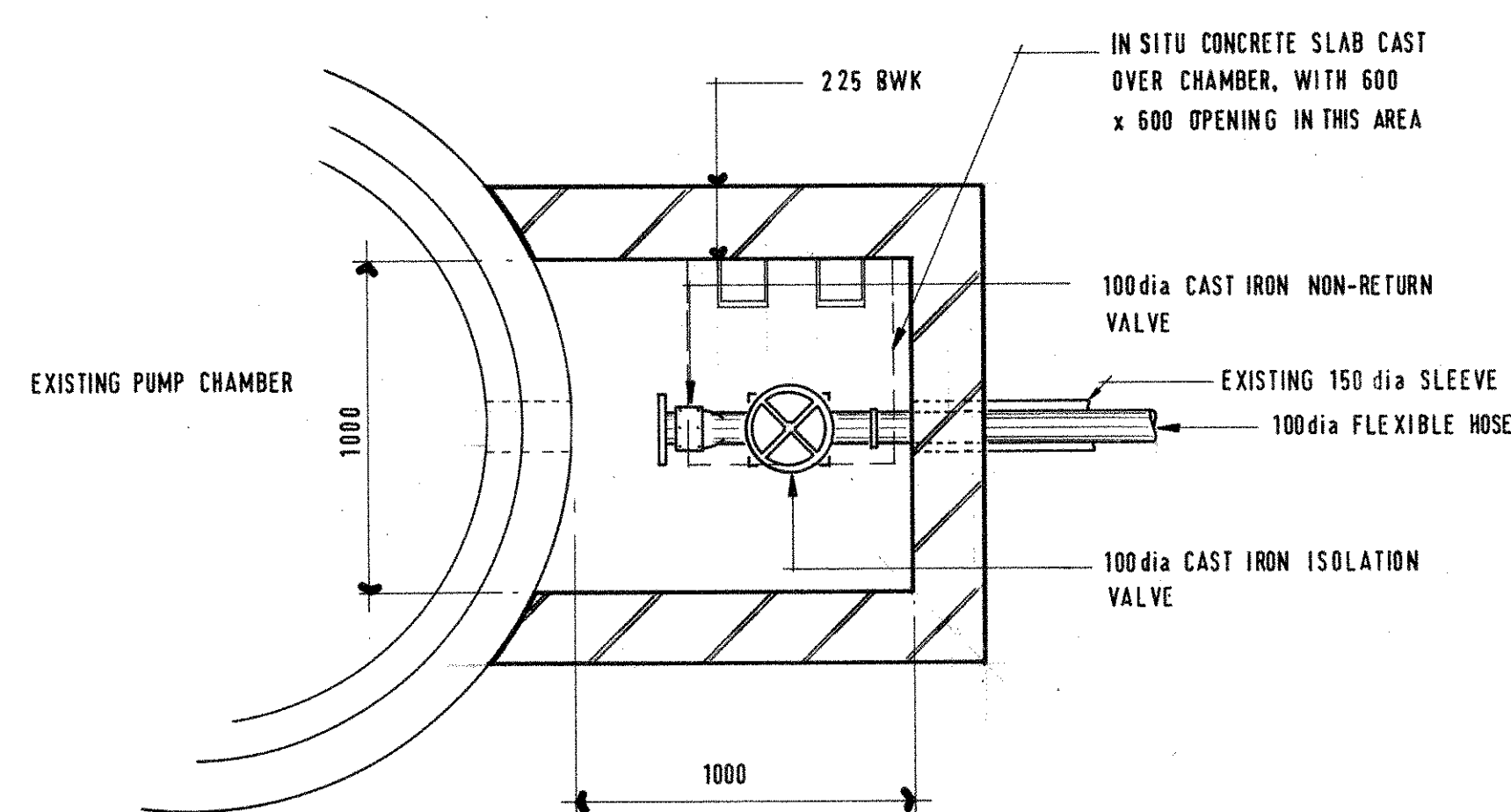


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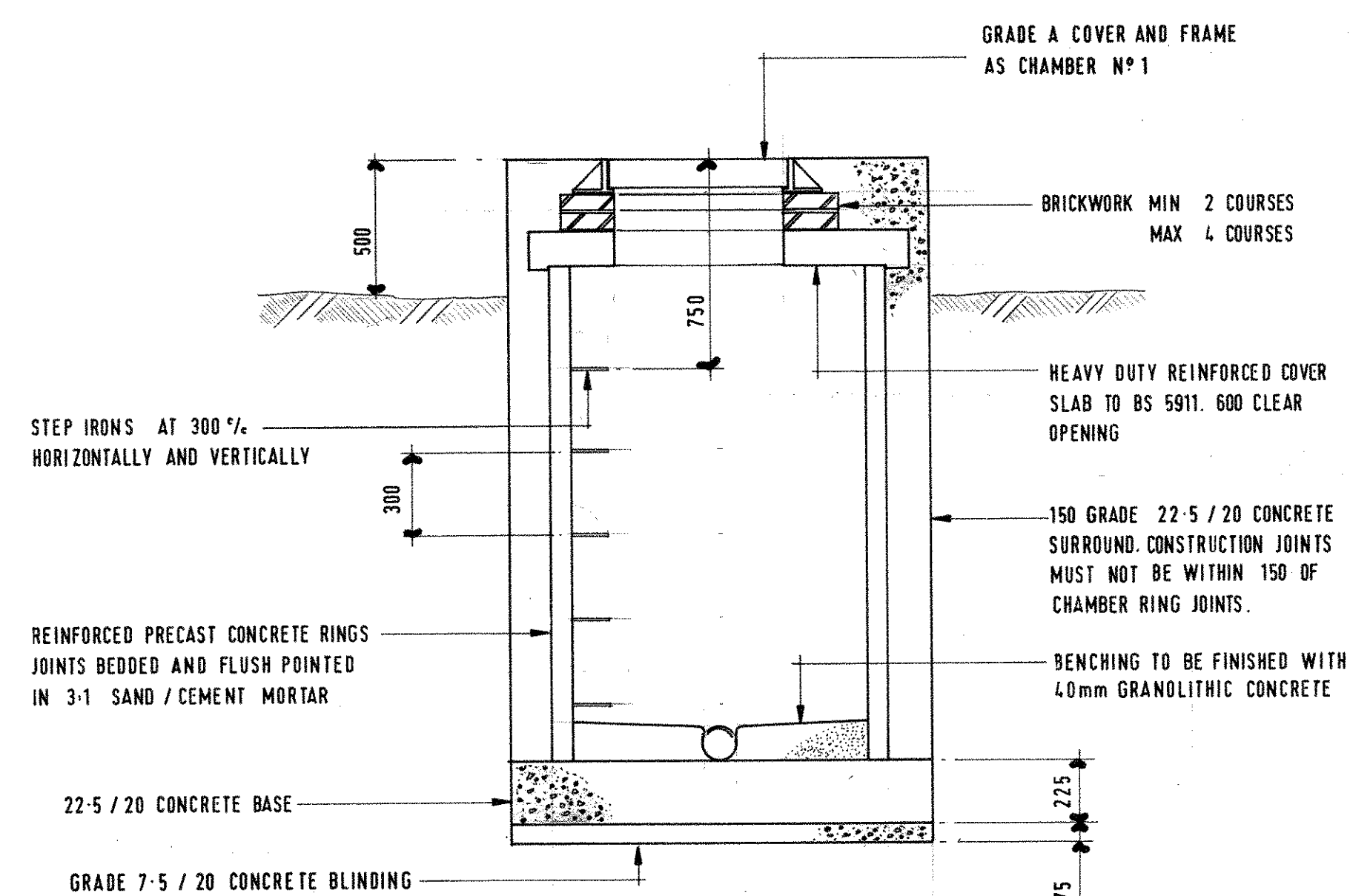
MANHOLE



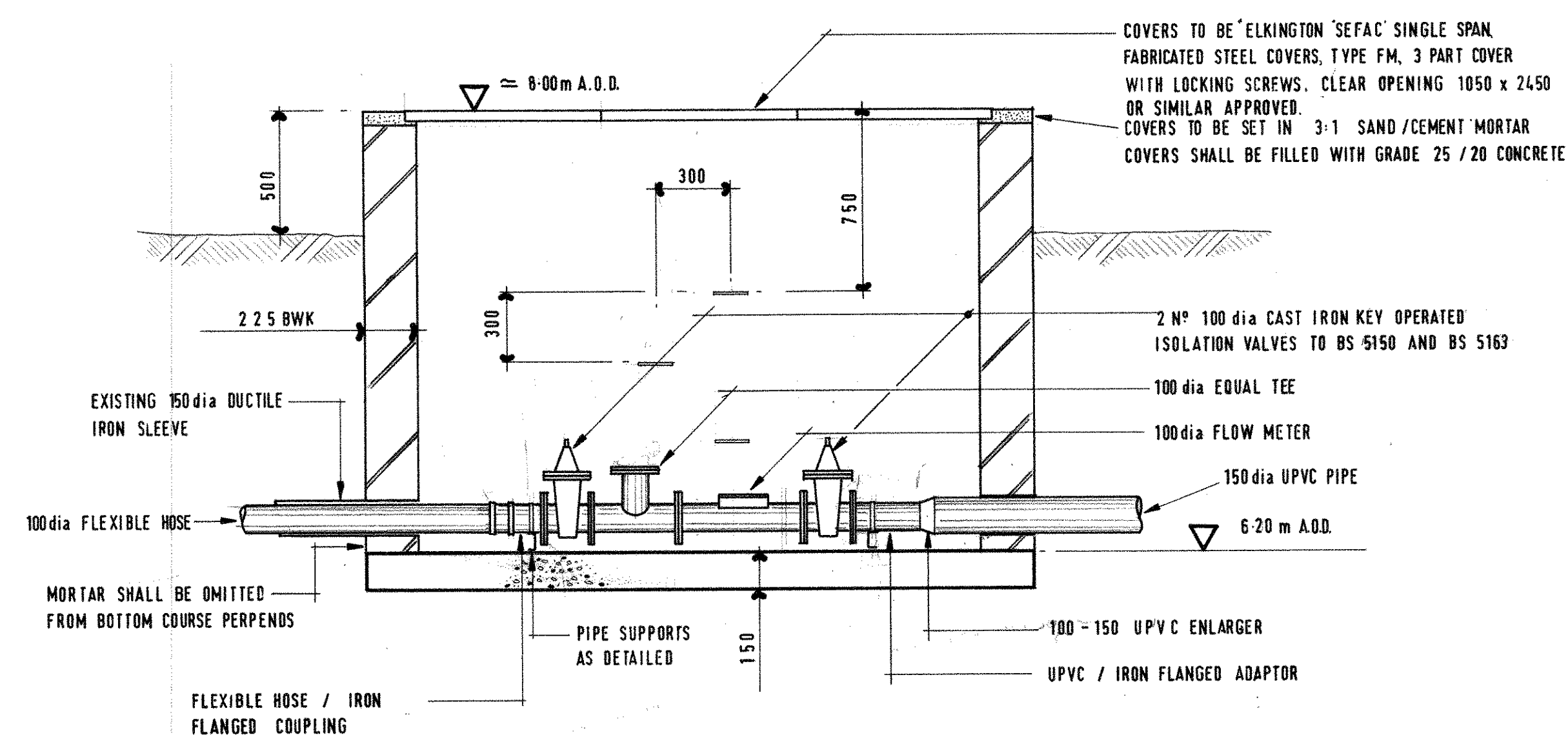
ELEVATION OF VALVE CHAMBER N° 1



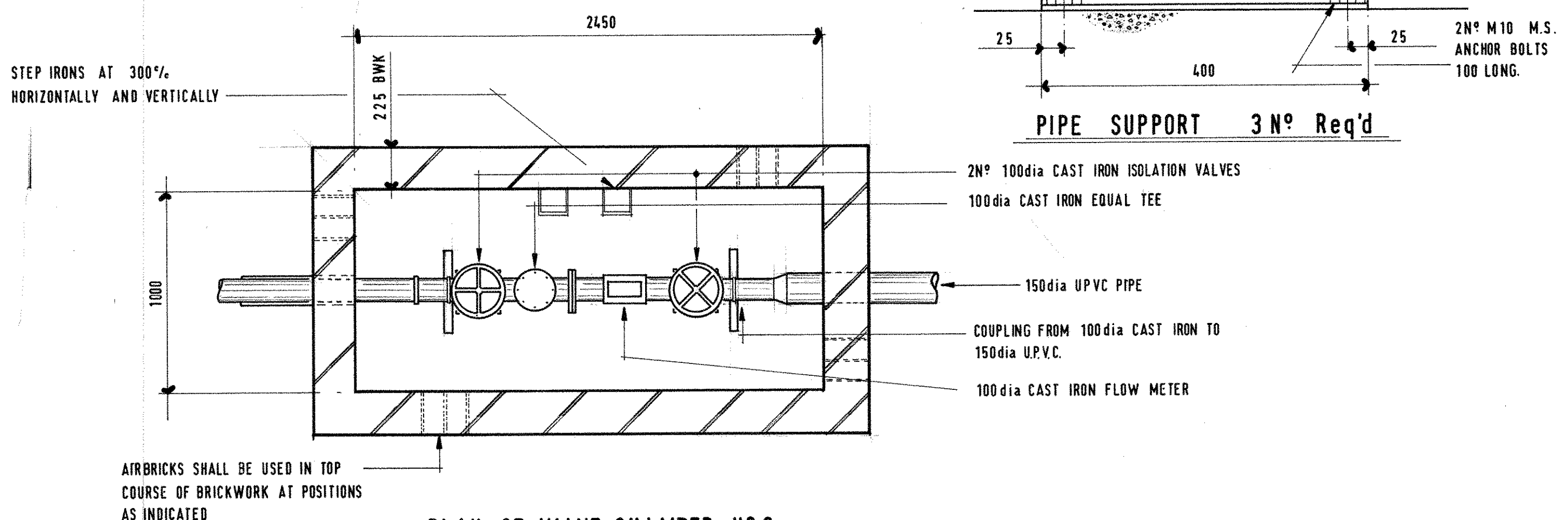
PLAN OF VALVE CHAMBER N° 1



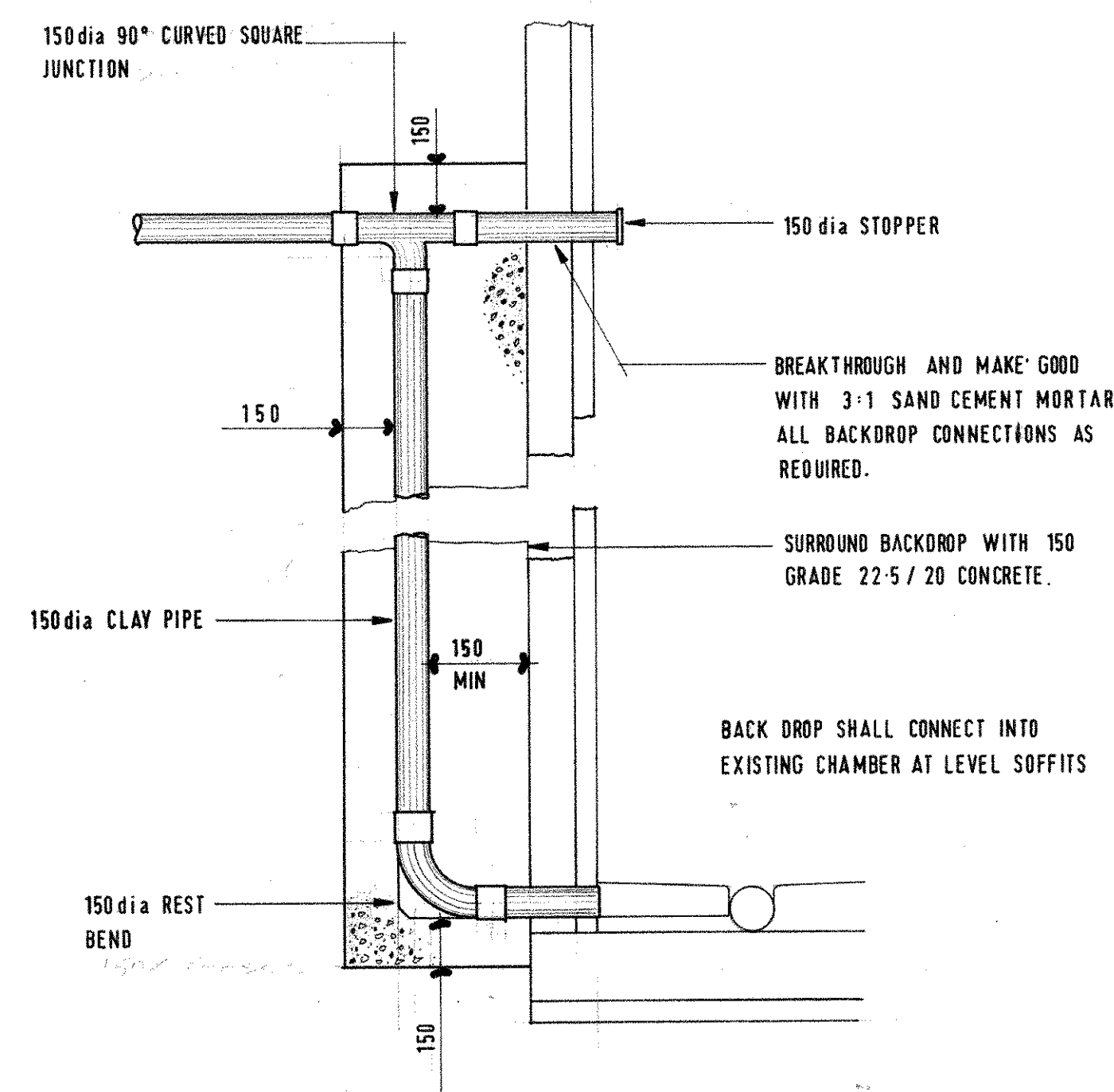
ARRANGEMENT OF NEW MANHOLES



ELEVATION OF VALVE CHAMBER N° 2



PLAN OF VALVE CHAMBER N° 2



BACKDROP CONNECTION TO EXISTING MANHOLE

Ref	Notes	By	Date
1.	ALL DIMENSIONS IN MILLIMETRES ALL LEVELS IN METRES.		
2.	ALL BRICKWORK SHALL BE CLASS 'B' ENGINEERING, IN 3:1 SAND / CEMENT MORTAR.		
3.	ALL CEMENT AND CONCRETE IS TO BE SULPHATE RESISTANT.		
4.	MINIMUM CEMENT CONTENT FOR IN-SITU CONCRETE IS TO BE 280kg/m³.		
5.	ALL CONCRETE SHALL BE VIBRATED		
6.	CONCRETE POURS SHALL NOT EXCEED 2m IN HEIGHT.		
7.	ELKINGTON SEFAC COVERS ARE SUPPLIED BY DOVER ENGINEERING WORKS LTD HAMMOND HOUSE HOLMESTONE ROAD POULTON CLOSE DOVER, KENT. CT17 0UF. Tele 0304 203545		
8.	BACKFILLING OF MANHOLE EXCAVATIONS SHALL BE AS CLAUSE 308 WHERE MECHANICAL COMPACTION IS IMPRACTICABLE GRADE 7.5 / 20 CONCRETE SHALL BE USED.		
9.	THE PROPOSED 100 dia FLEXIBLE HOSE IS TO BE INSERTED INTO THE EXISTING 150 dia DUCTILE IRON PIPE ACROSS THE PIPE BRIDGE. THE EXISTING HOSE WITHIN THE DUCTILE IRON PIPE SHALL BE WITH DRAWN AND REMOVED TO STORE IN WRC AREA		
10.	GALVANISING SHALL BE IN ACCORDANCE WITH BS 729		
11.	STEP IRONS SHALL COMPLY WITH BS 1247 AND BS 1275		
12.	ALL FLANGES SHALL BE NP16 TO BS 4772		
13.	UNLESS OTHERWISE STATED ALL CONCRETE SHALL BE GRADE 22.5 / 20.		

Merseyside
Waste Disposal
Authority

SEFTON MEADOWS
EXTENSION N°2

DETAILS OF MANHOLES
AND VALVE CHAMBERS
FOR PROPOSED LEACHATE
DRAIN

J.C. Holden C.Eng MICE MInstWM
Waste Disposal Engineer
4th Floor Steers House
Canning Place Liverpool L1 8JW

Drawn A BYERS	Traced	Scale 1:20
Date OCTOBER 88	Checked	Sheet No of

Drg. No. WD 8812 / 8