

# CLYDE WATER SUPPLY RESERVOIR

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 mm INCHES

1 2 3 4 5 6 7 8 9

DUFFILL WATTS & KING LTD  
CONSULTING CIVIL & STRUCTURAL ENGINEERS  
Dunedin PO Box 5269 Ph.777-133 Invercargill P.O.Box 576 Ph.83-049  
Balclutha PO Box 220 Ph.81-664 Cromwell P.O.Box 82 Ph.50-391

VINCENT  
COUNTY COUNCIL

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9 COUNTERPART

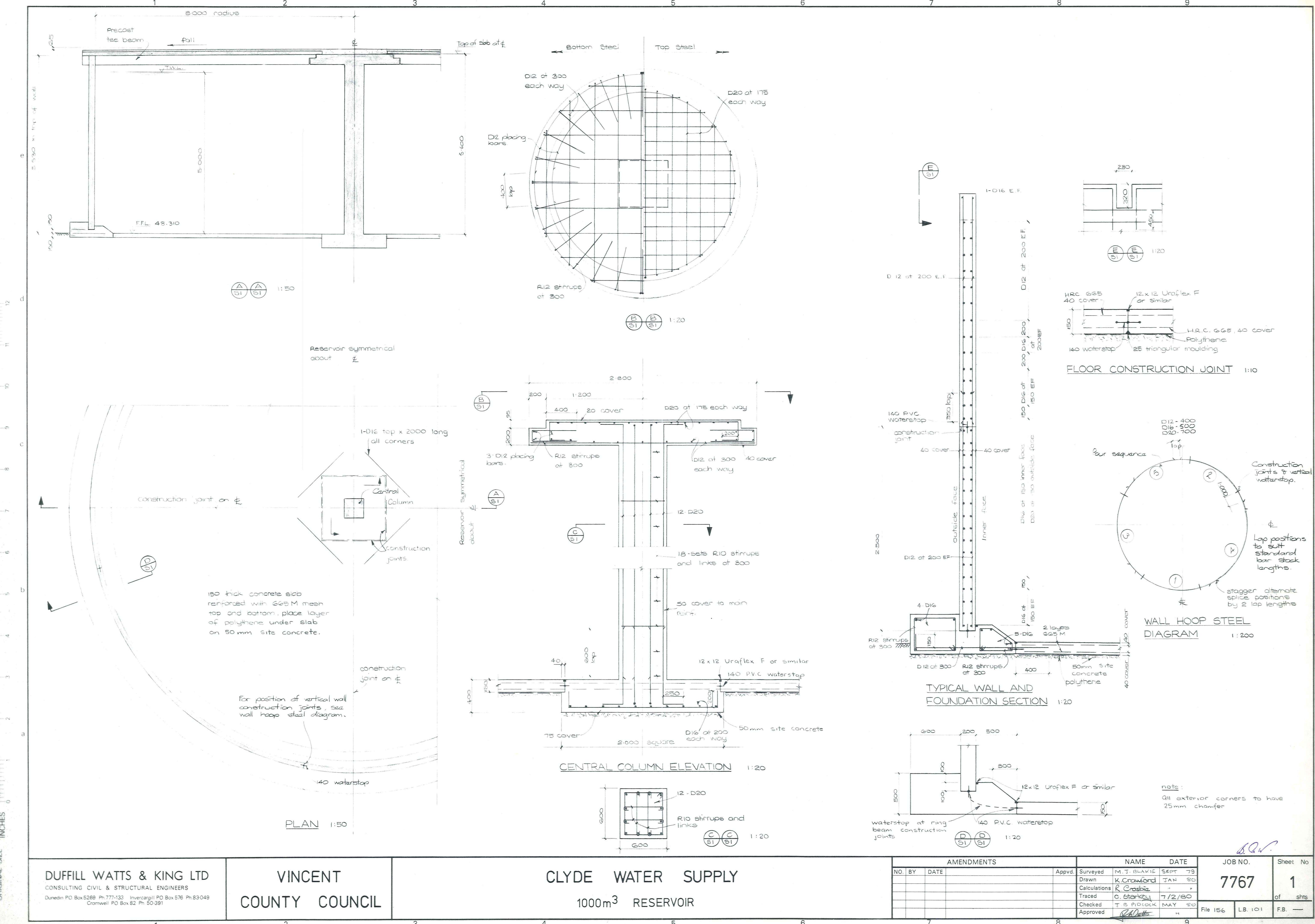
## AMENDMENTS

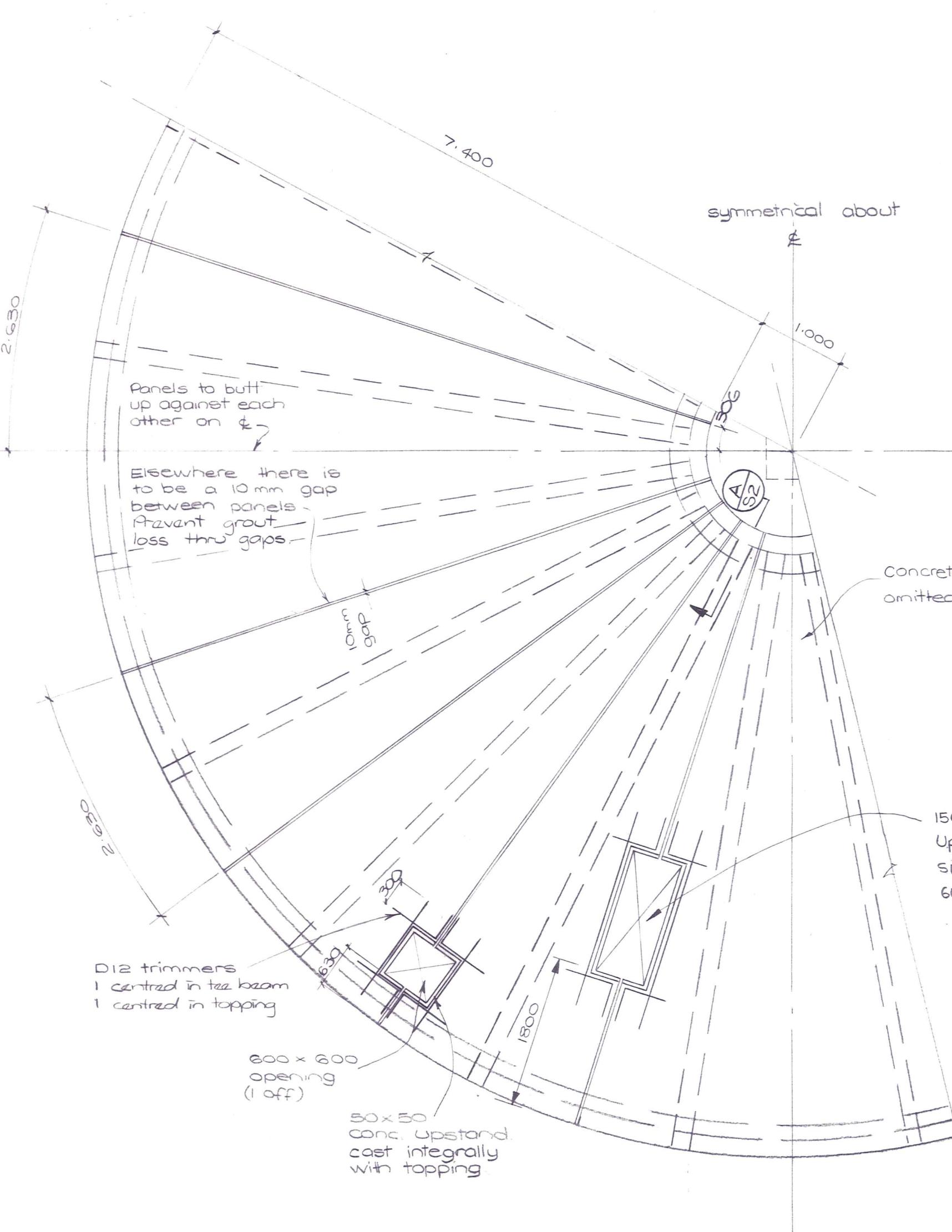
NO.	BY	DATE	Appvd.	Surveyed	M. J BLAKIE	SEPT 79
			Drawn	G R DUFF	APRIL 80	
			Calculations	G R DUFF	APRIL 80	
			Traced	A K CAMPBELL	MAY 80	
			Checked	G R DUFF	MAY 80	
			Approved	R. D. Watts	"	
					File 156	L.B. 101
					F.B. —	

P.P. B. A. WINSLEY LTD.  
*B. A. Winsley*, Director

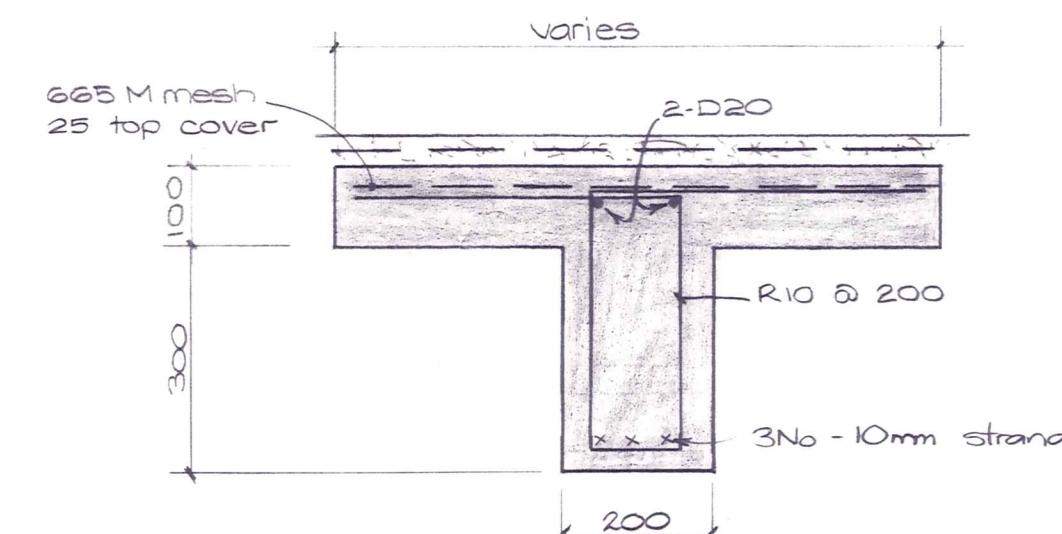
JOB NO. 7767 1-9  
of 9 shts

Sheet No





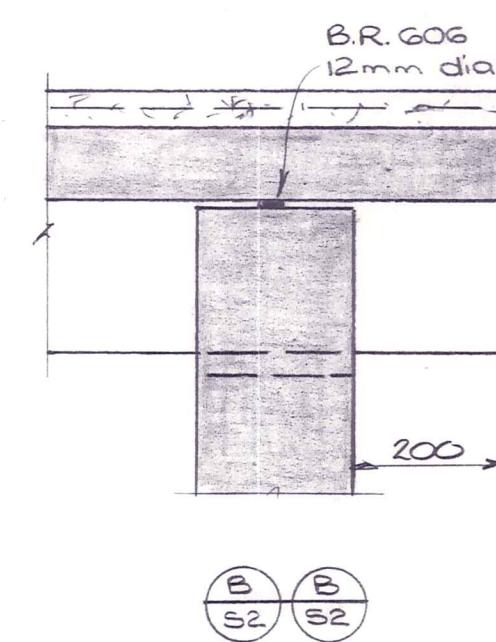
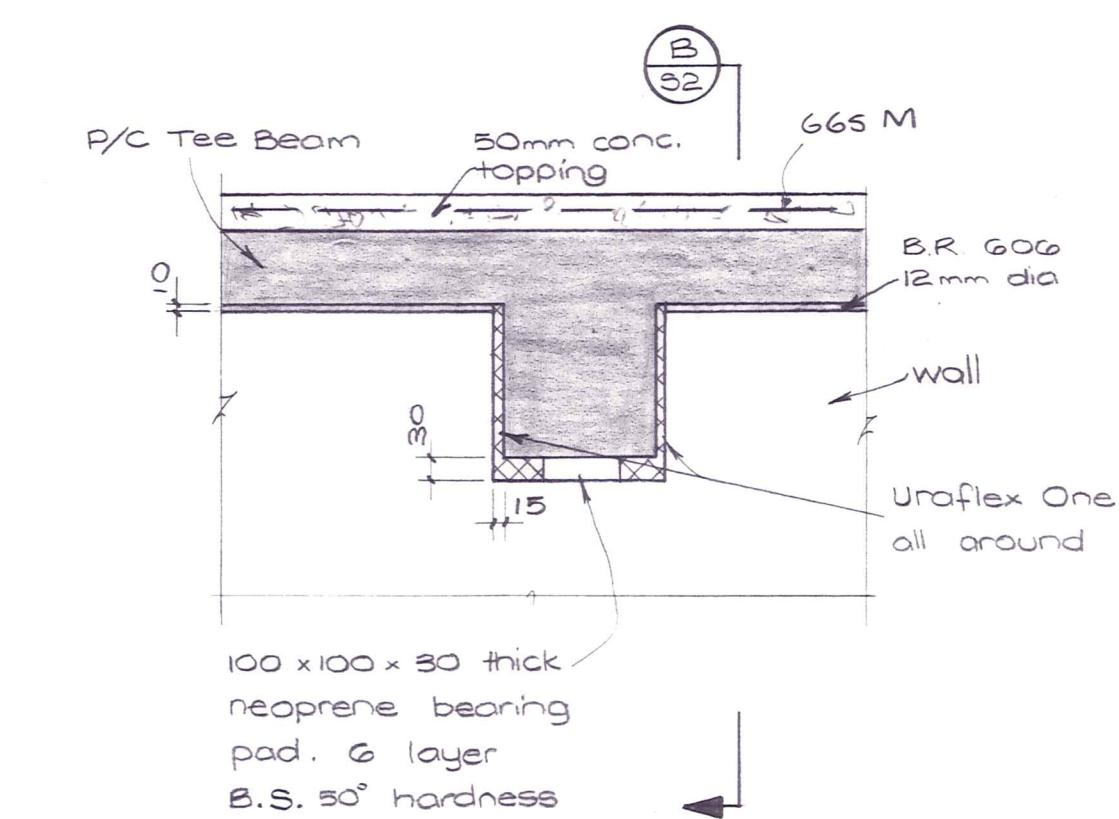
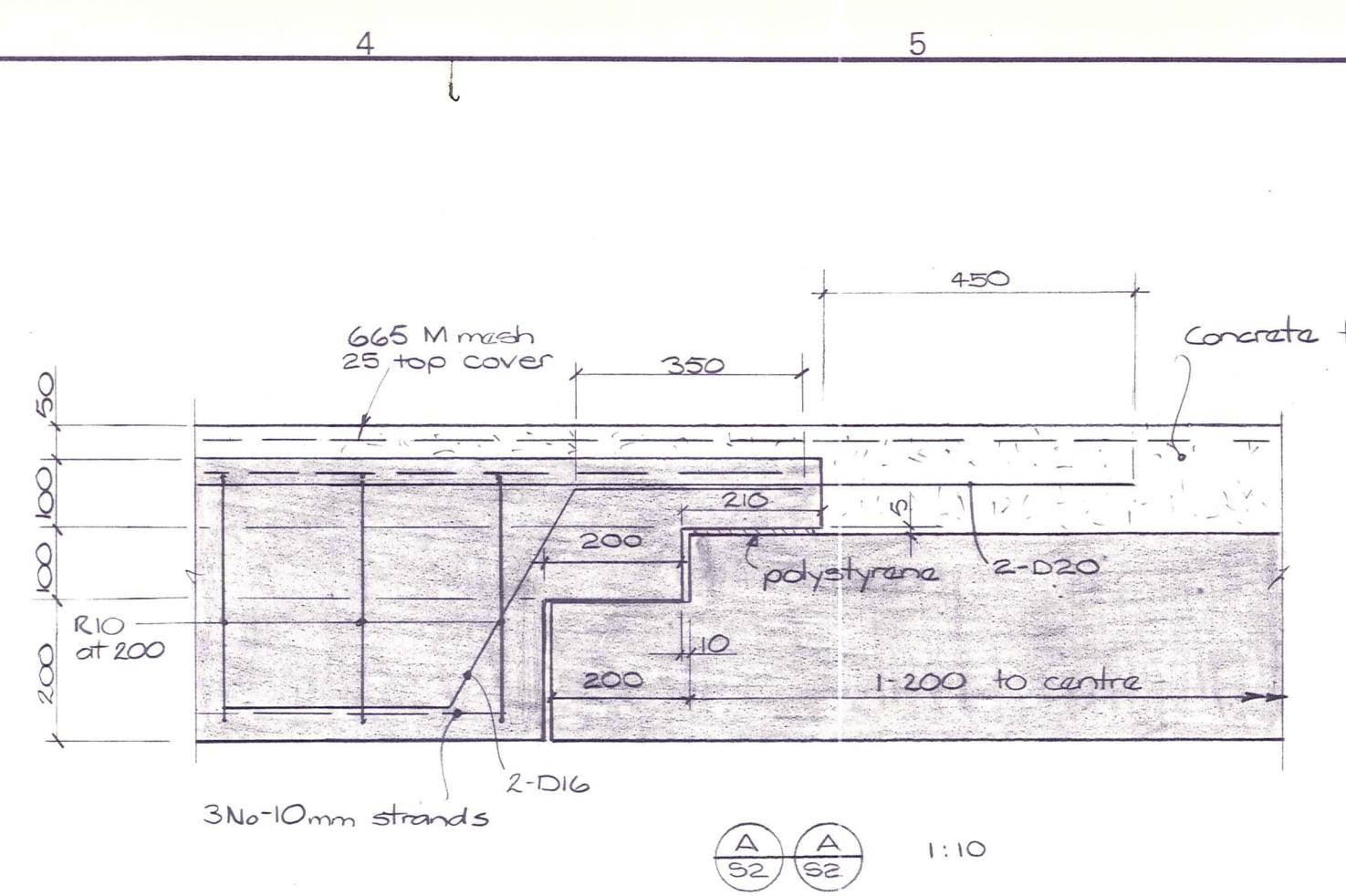
ROOF PLAN 1:50



TYPICAL SECTION THRU'

P/C TEE BEAM 1:10

Note: each strand to be initially tensioned to 65.4 kN.



SEALING DETAILS BETWEEN WALLS & P/C TEE BEAMS 1:10

NO.	BY	DATE	AMENDMENTS		Appvd.	NAME	DATE	JOB NO.	Sheet No
						M. J. BLAKIE	SEPT 79		
						K. CRAWFORD	JAN 80		
						R. CROSBIE	" "		
						C. STANLEY	11/2/80		
						J. B. PIDCOCK	MAY 80		
						Approved	S. COLE		
								File 156	L.B. 101
								F.B. —	

B.Q.W.

7767

2

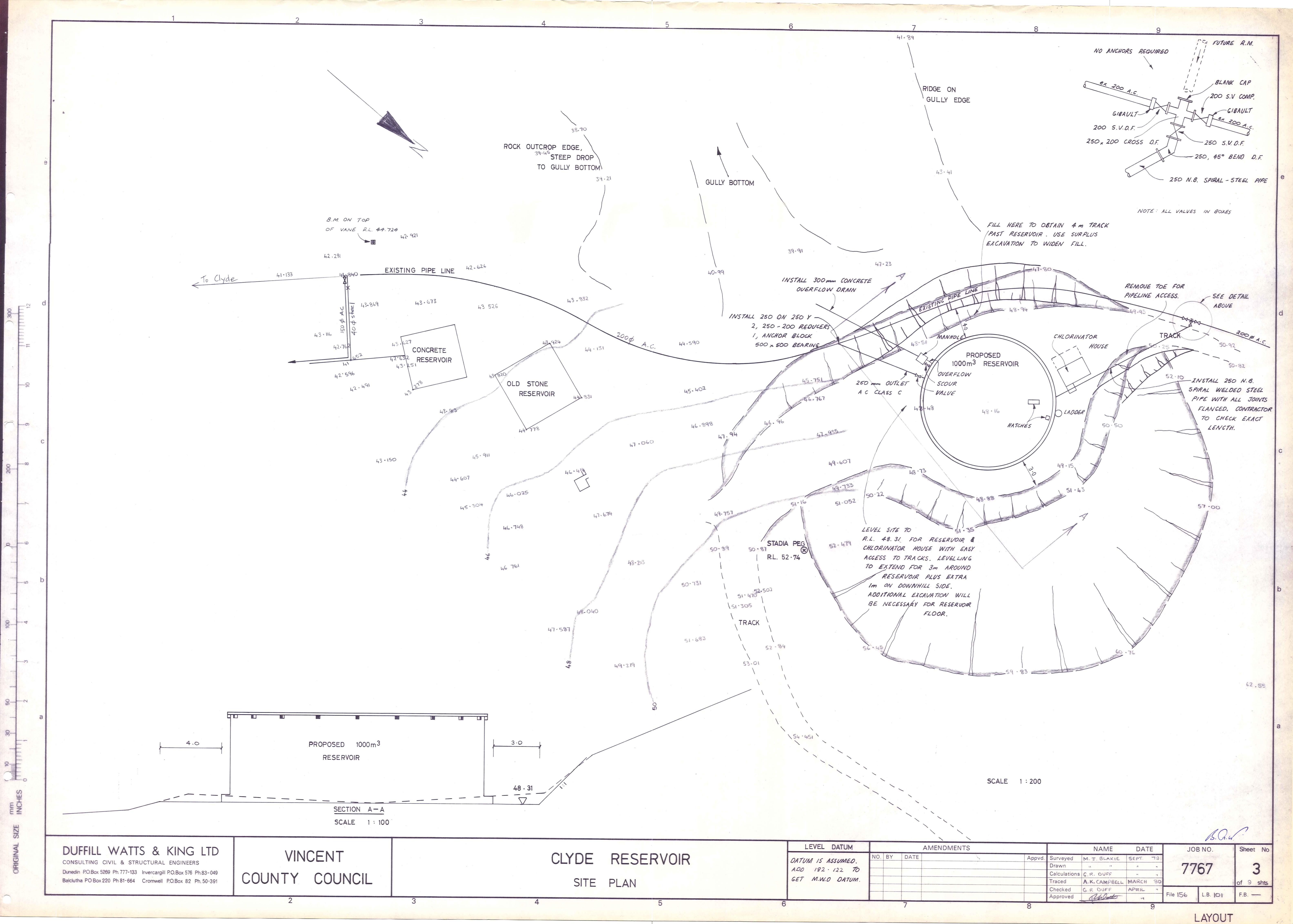
of shts

File 156

L.B. 101

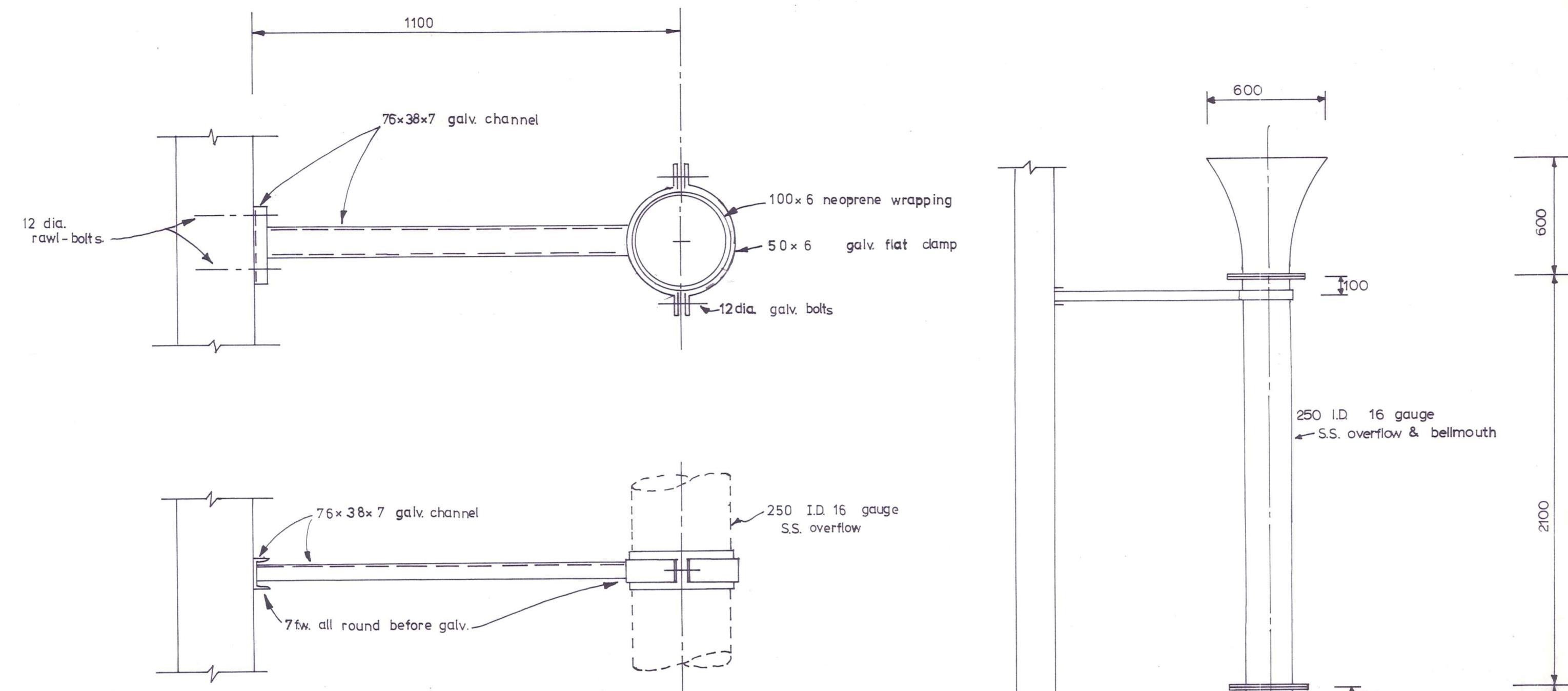
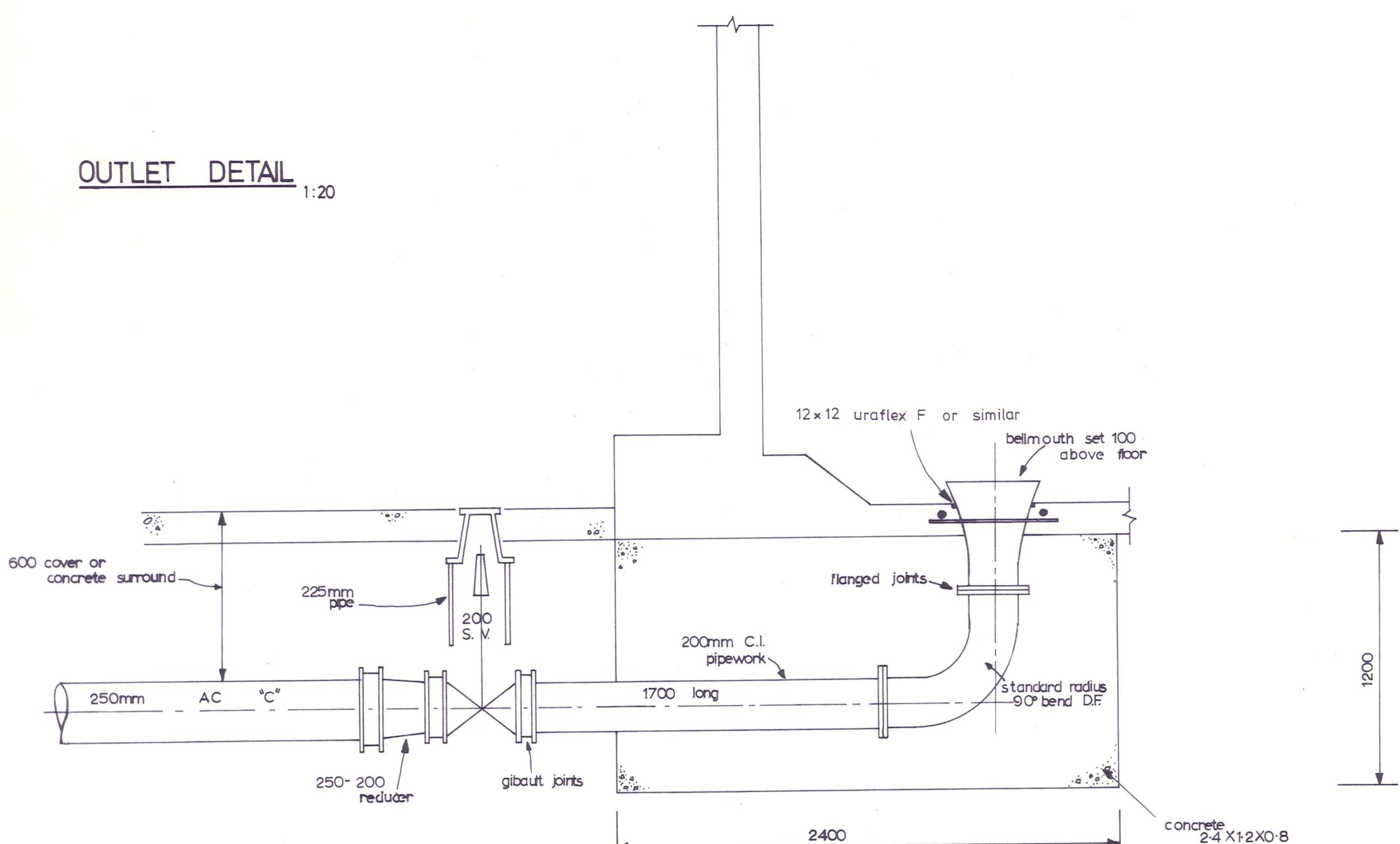
F.B. —

RESERVOIR



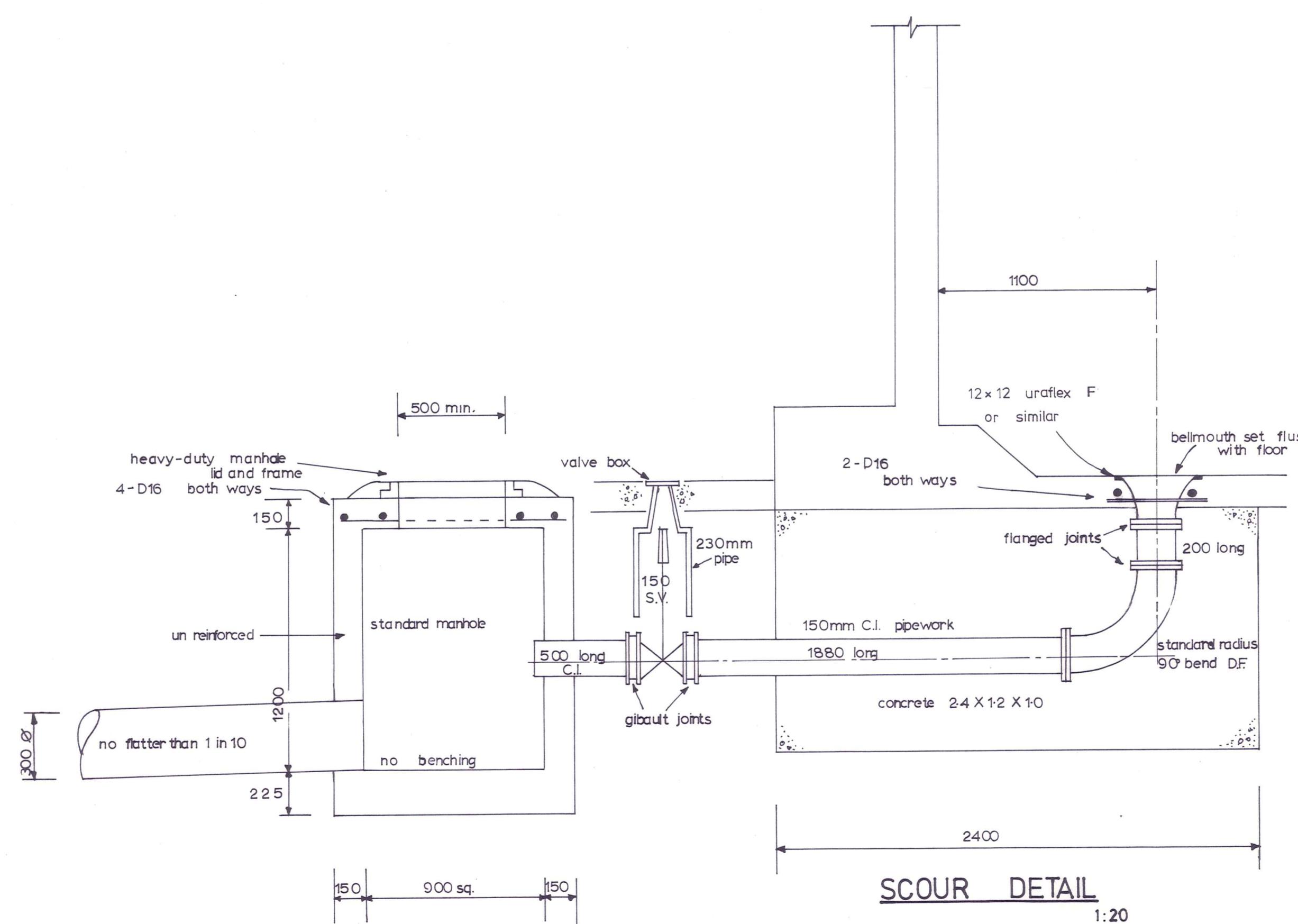
1 2 3 4 5 6 7 8 9

OUTLET DETAIL 1:20



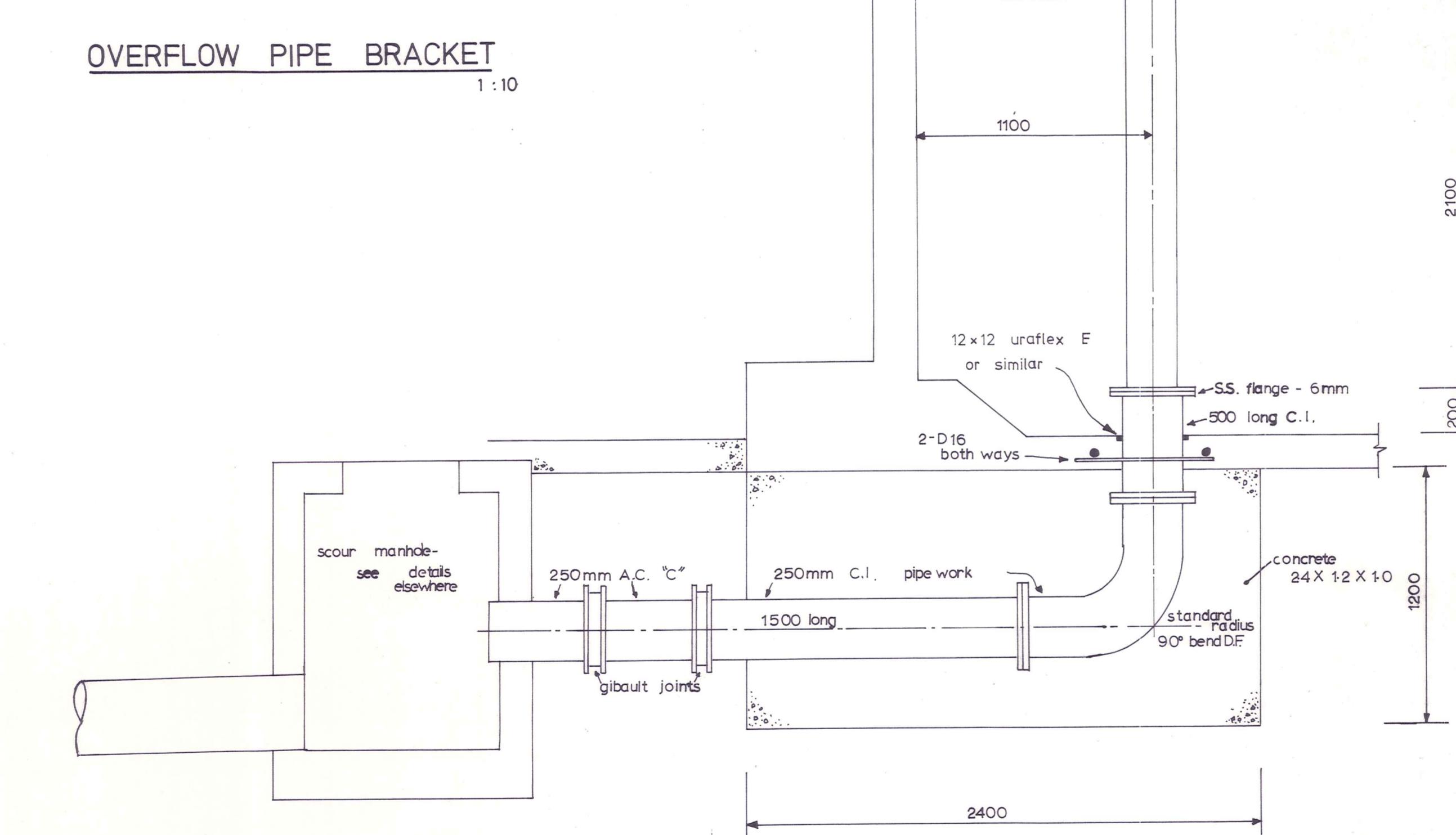
OVERFLOW PIPE BRACKET

1:10



SCOUR DETAIL

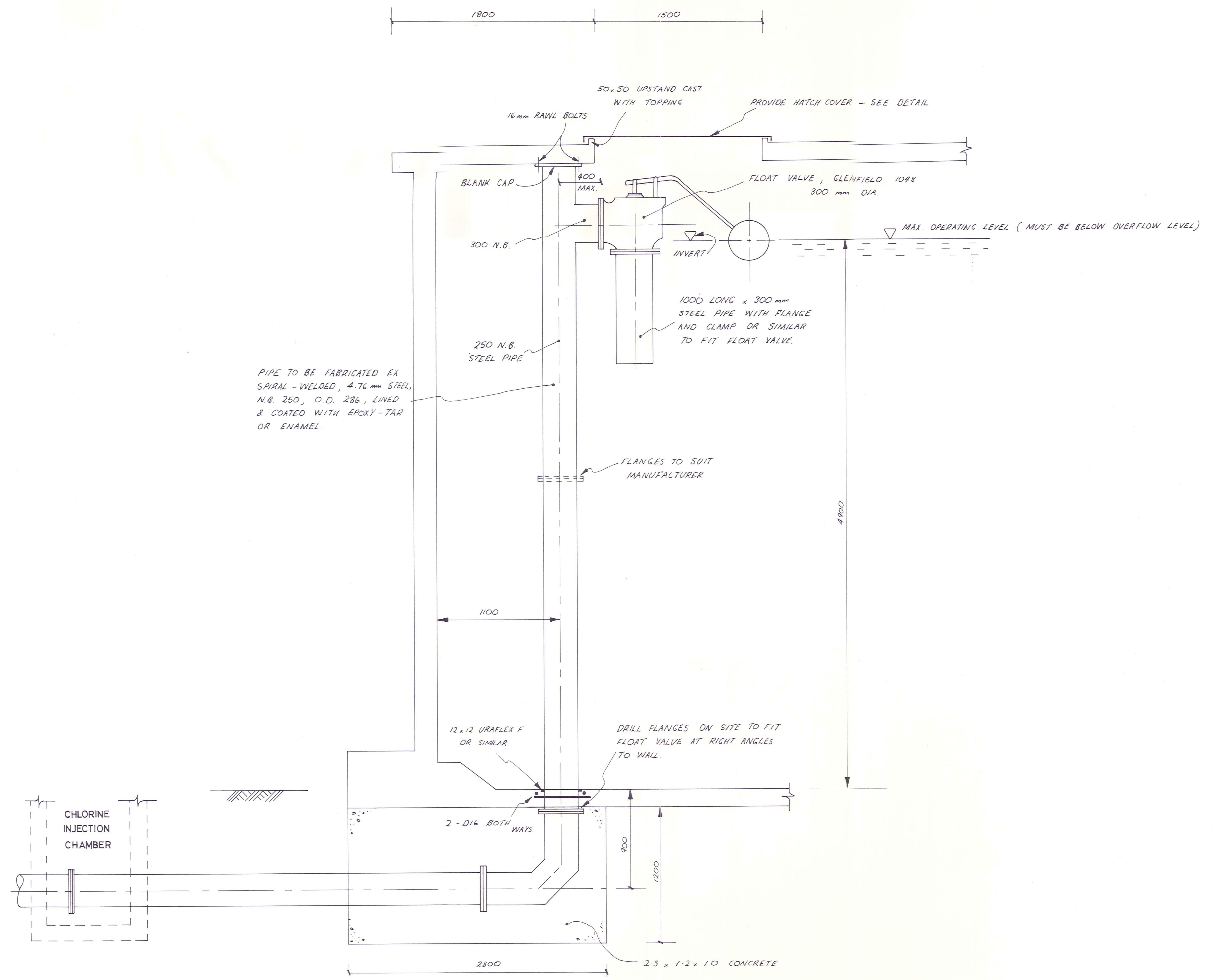
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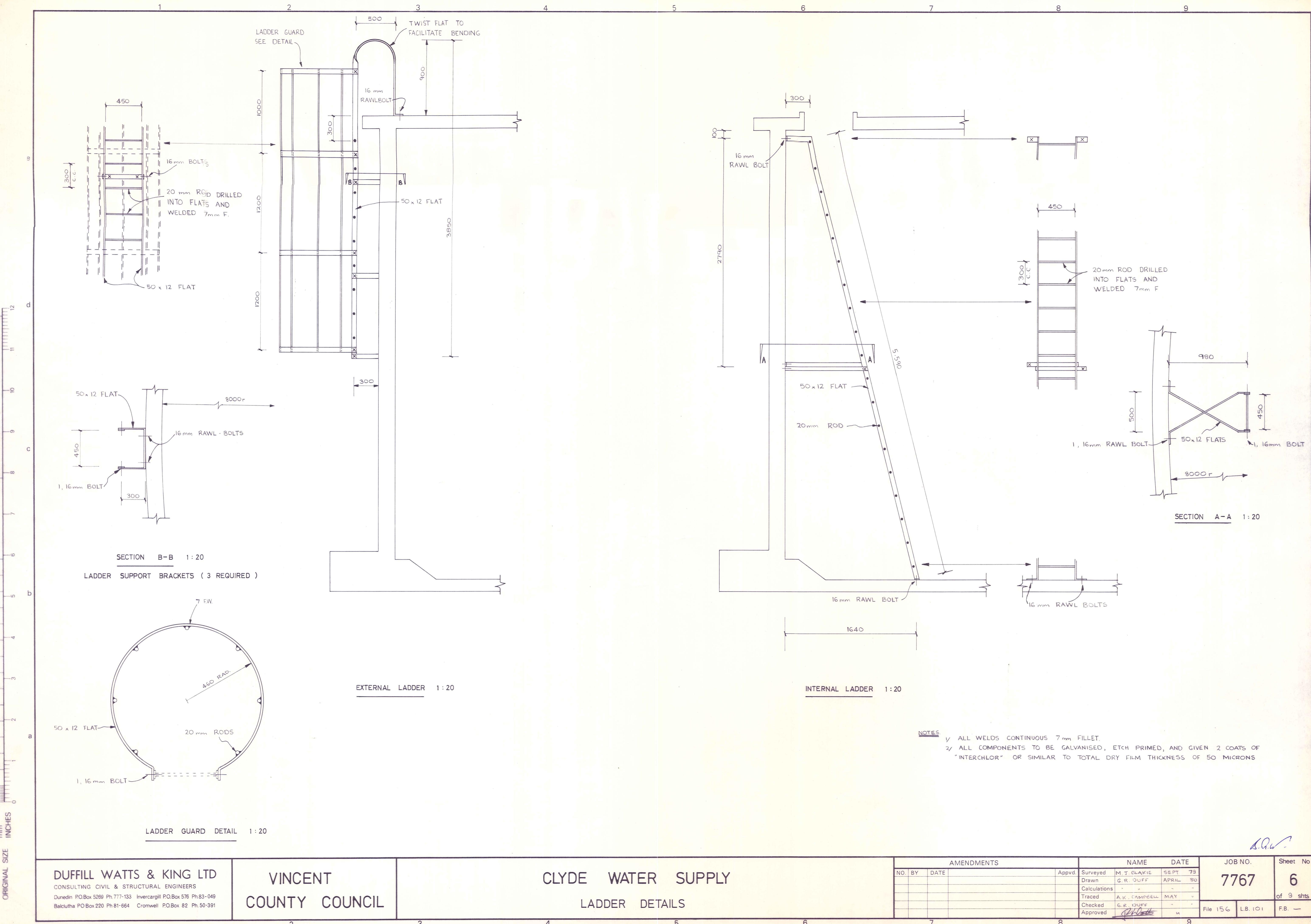


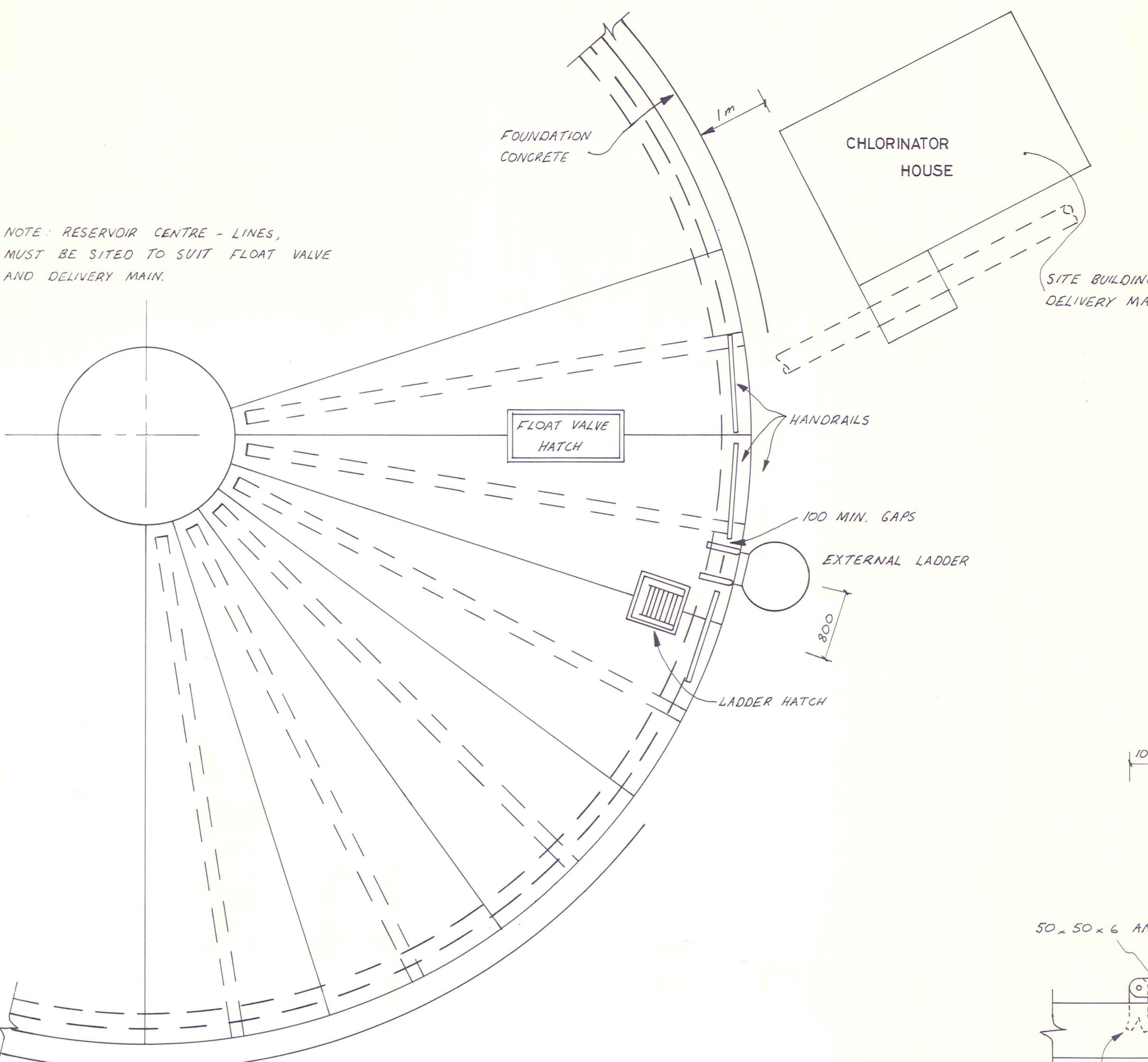
OVERFLOW DETAIL

1:20

B.C.W.



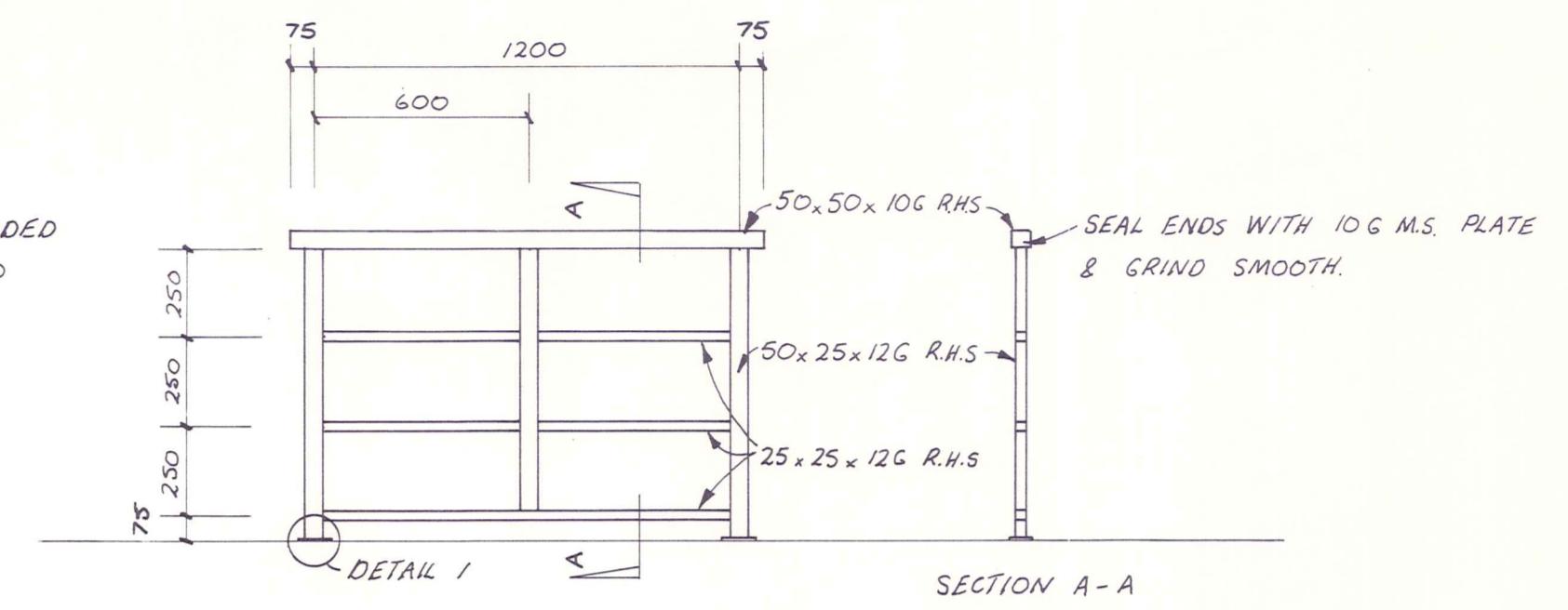




125 x 75 x 6 M.S. PLATE WELDED  
TO 50 x 25 R.H.S. HOLES TO  
TAKE 16 Ø RAWL BOLTS.

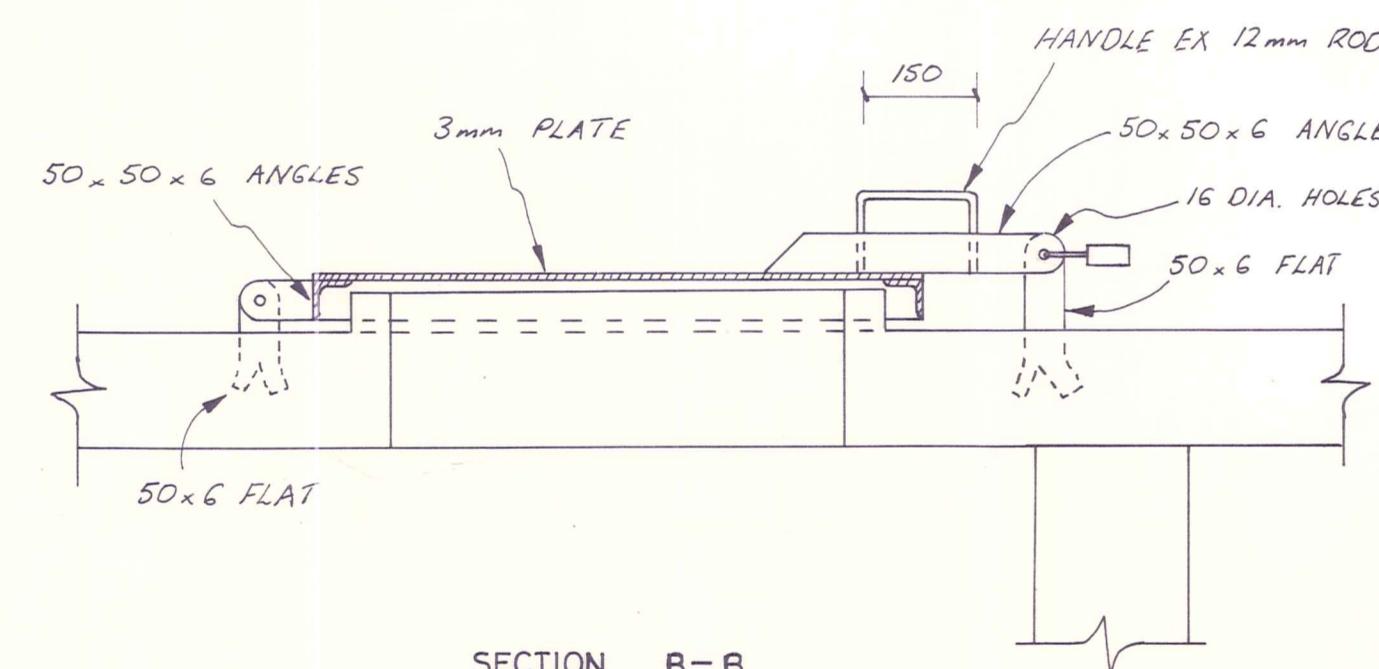
25 75 25

DETAIL 1  
N.T.S



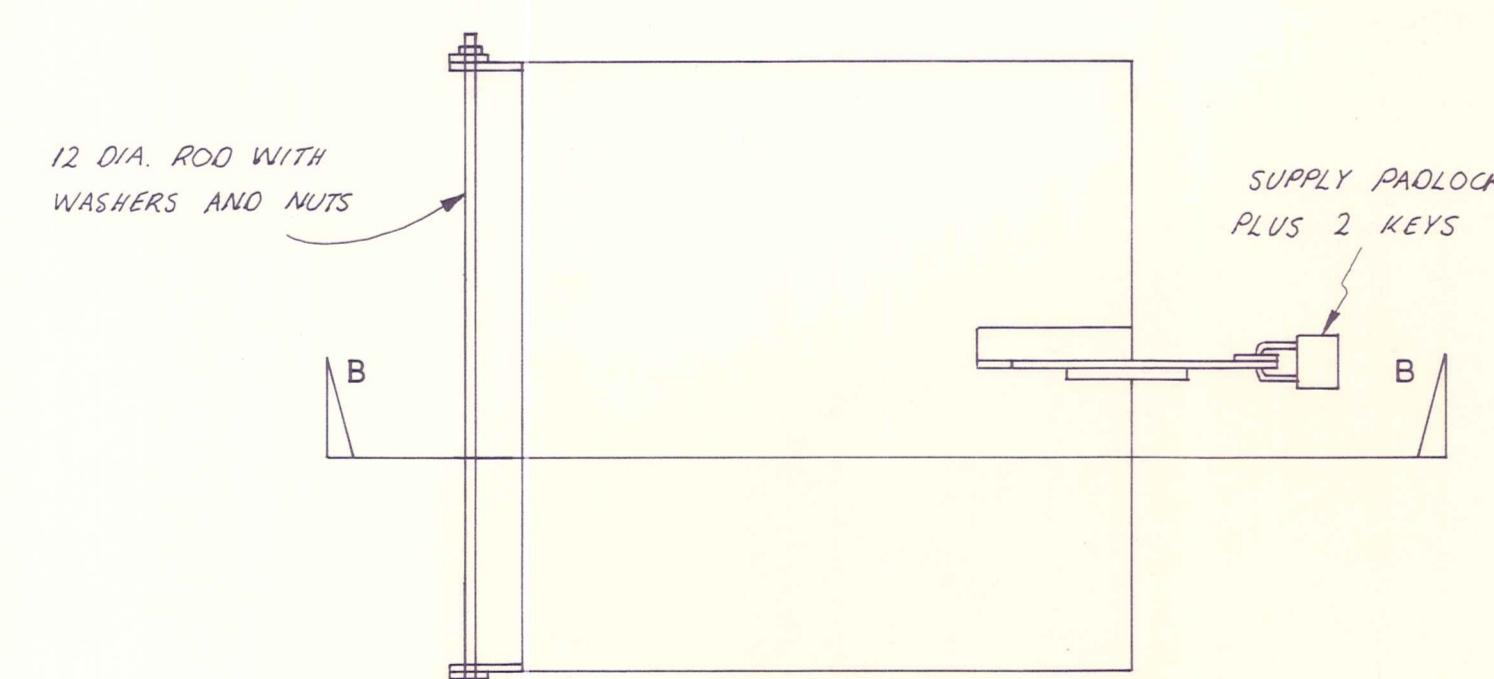
HANDRAIL DETAILS 1:20  
(3 REQUIRED)

100 BY 800 LONG FOR LADDER  
2 BY 1700 LONG FOR FLOAT VALVE



NOTES

- 1/ ALL WELDS CONTINUOUS 7mm FILLET
- 2/ ALL COMPONENTS TO BE GALVANISED, ETCH PRIMED, AND GIVEN 2 COATS OF "INTERCHLOR" OR SIMILAR TO TOTAL DRY FILM THICKNESS OF 50 MICRONS.



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HANDRAILS AND HATCH COVERS

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VINCENT  
COUNTY COUNCIL

AMENDMENTS				NAME	DATE	JOB NO.	Sheet No.
NO.	BY	DATE		Appvd.	M.J. BLAKIE SEPT 79	7767	7
				Drawn	G.R. DUFF APRIL 80		of 9 shts
				Calculations	" "		
				Traced	A.K. CAMPBELL MAY		
				Checked	C.R. DUFF "		
				Approved	R.D. Duff		
						File 156	L.B. 101
						F.B. —	

R.W.

HATCH COVERS

