

DUFFILL WATTS & KING LTD

Consulting Civil & Structural Engineers

MANIOTOTO COUNTY
RECEIVED
 2 FEB 1985
 Answered/Referred to
w/s.

Dunedin 192 Castle Street
 PO Box 5269 Telephone (24)777-133
 Invercargill 64 Victoria Avenue
 PO Box 576 Telephone (21)83-049
 Cromwell Melmore Terrace
 PO Box 82 Telephone (294)50-421
 Alexandra 59 Tarbert St
 PO Box 313 Telephone (294)6819

**contract/
 variation,
 price request/
 instruction**

CLIENT Maniototo County Council File No. 6/6/8 Job No. 10384
 CONTRACT No. 588 - Ranfurly Reservoir and Treatment Plant No. 6
 CONTRACTOR Weir and French Ltd Date 25-2-85

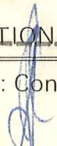
Please find enclosed Drawing 10384 Sheet 9A. The contract is ammended to allow for the installation of a 200 mm butterfly valve supplied by Portals as described on the drawing. It may be necessary to trim the adjacent cast iron straight if this has already been purchased and can not be returned to the supplier.

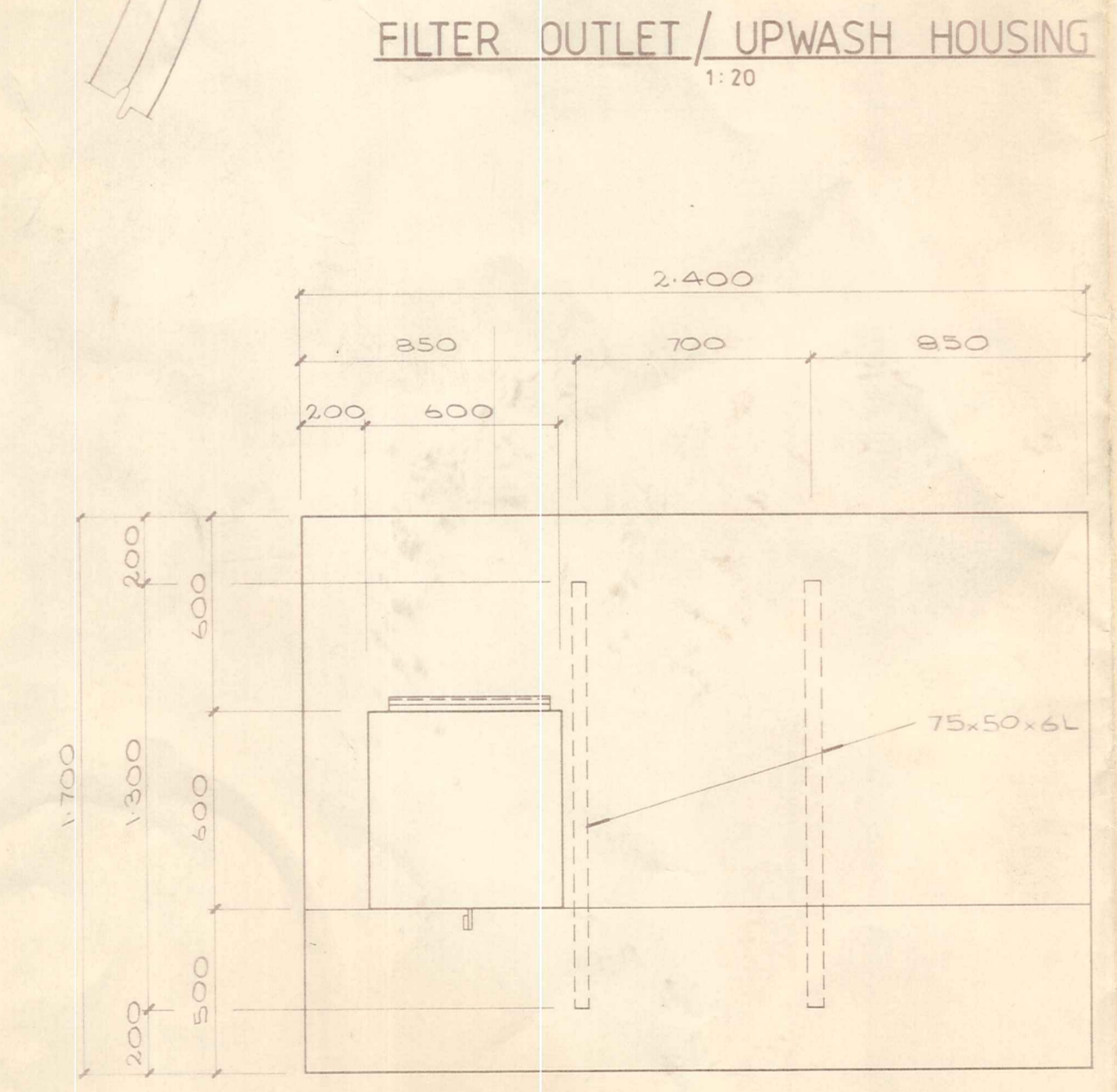
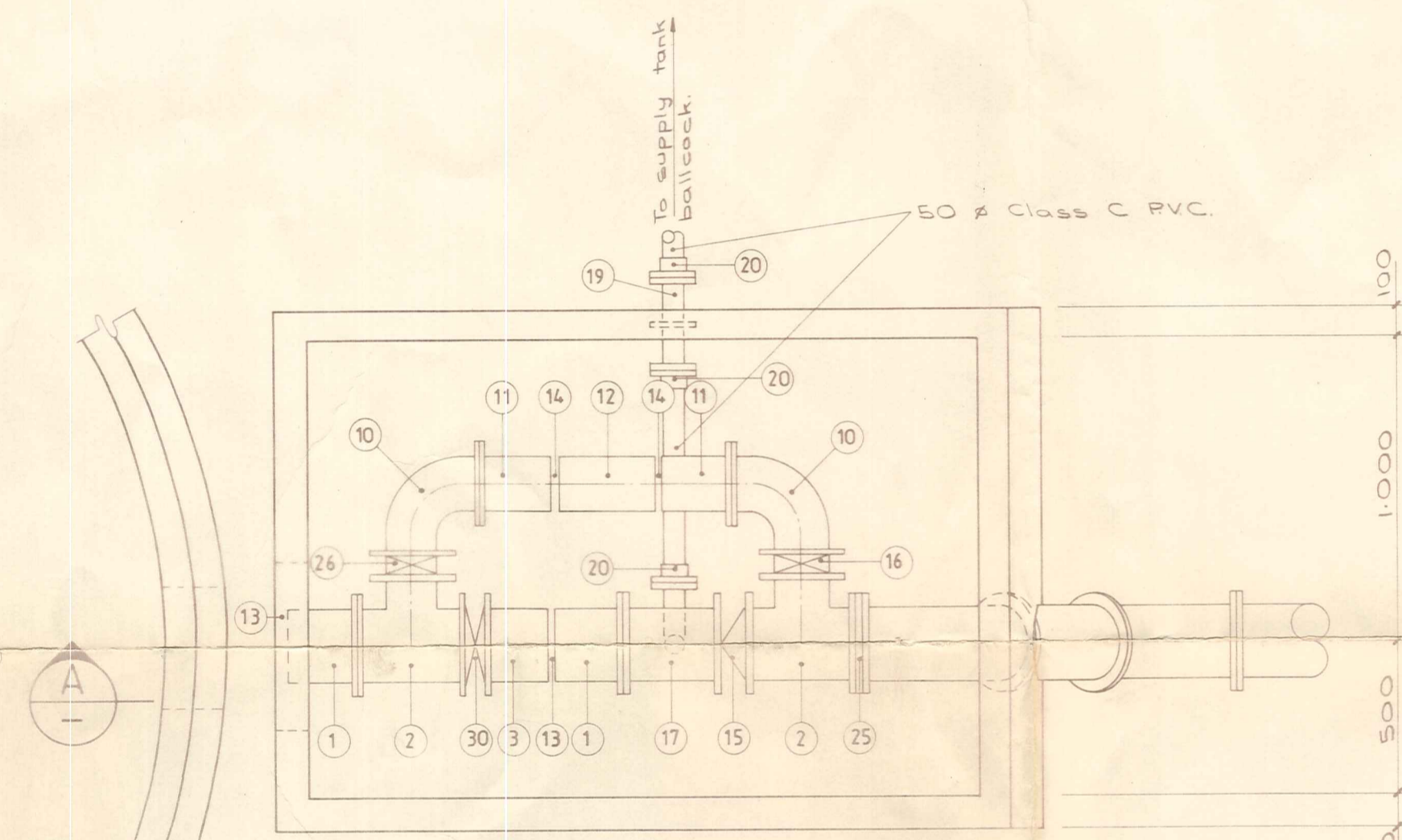
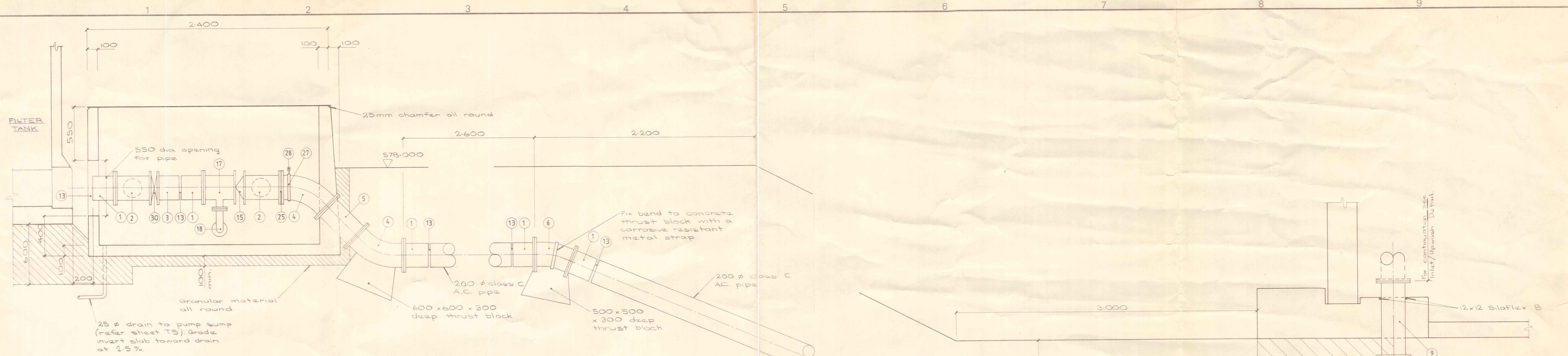
The location of the 25mm diameter drain as described on Sheet T5 is also described. Provide additional concrete to grade the invert slab toward the drain at 2.5%.

Item 28 is ammended from a 20mm Bermad automatic air valve to a 20mm gate valve. Please install this valve, as shown but via an elbow in order to prevent discharge toward the operator.

Please advise as soon as possible of any adjustments to the Contract Price required to recover costs involved in the above work.

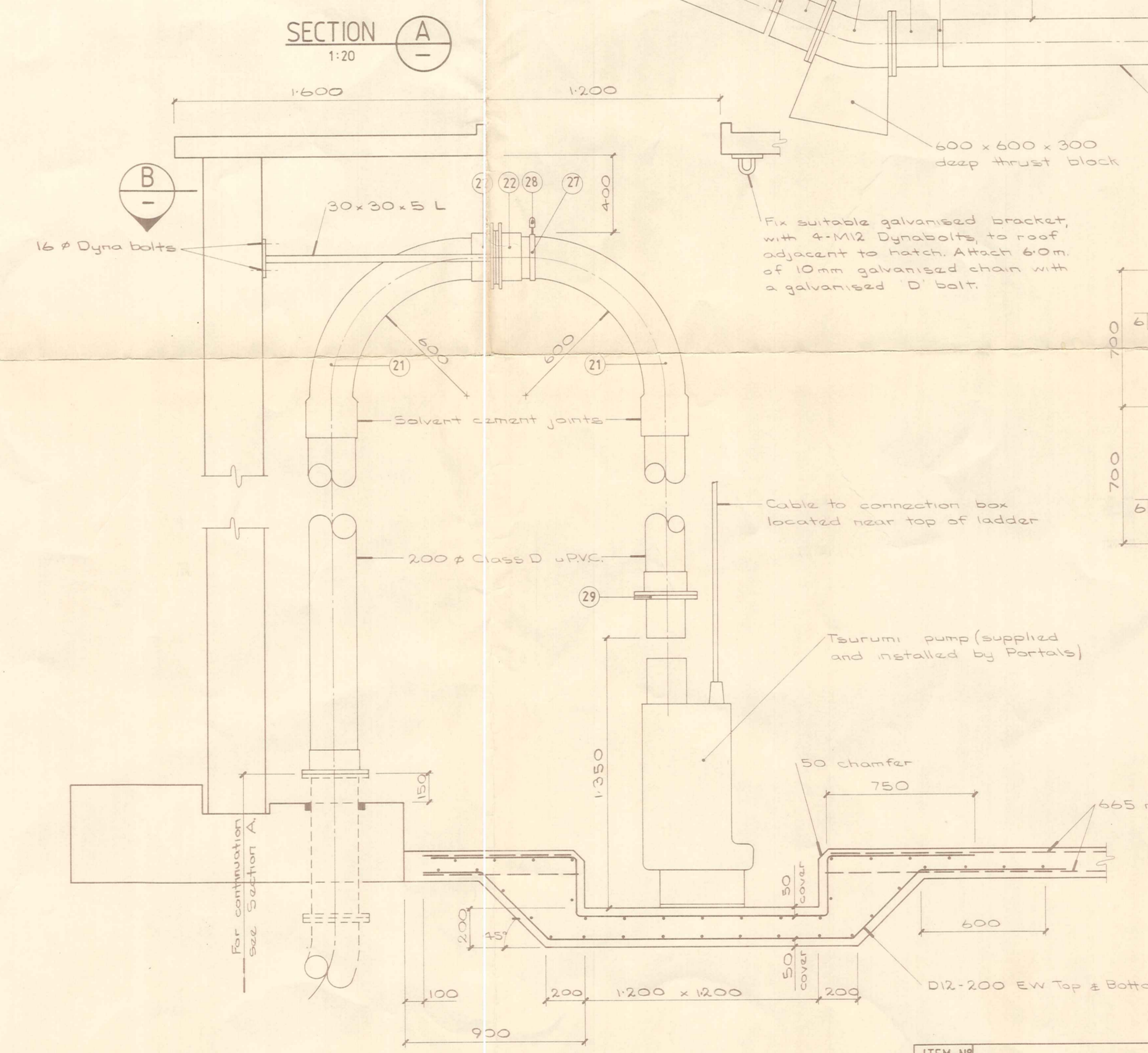
VARIATION to be adjusted by Engineer.
 PRICE REQUEST to be priced by Contractor for approval by Engineer before any work is commenced.
 INSTRUCTION for action -- no variation to Contract Sum.

Original to: Contractor	<input checked="" type="checkbox"/>	Copies to: Client	<input checked="" type="checkbox"/>	Works Superintendent	<input type="checkbox"/>
Signature		Clerk of Works	<input type="checkbox"/>	Supervising Engineer	<input checked="" type="checkbox"/>
Office	Dunedin	Engineers File	<input checked="" type="checkbox"/>		<input type="checkbox"/>

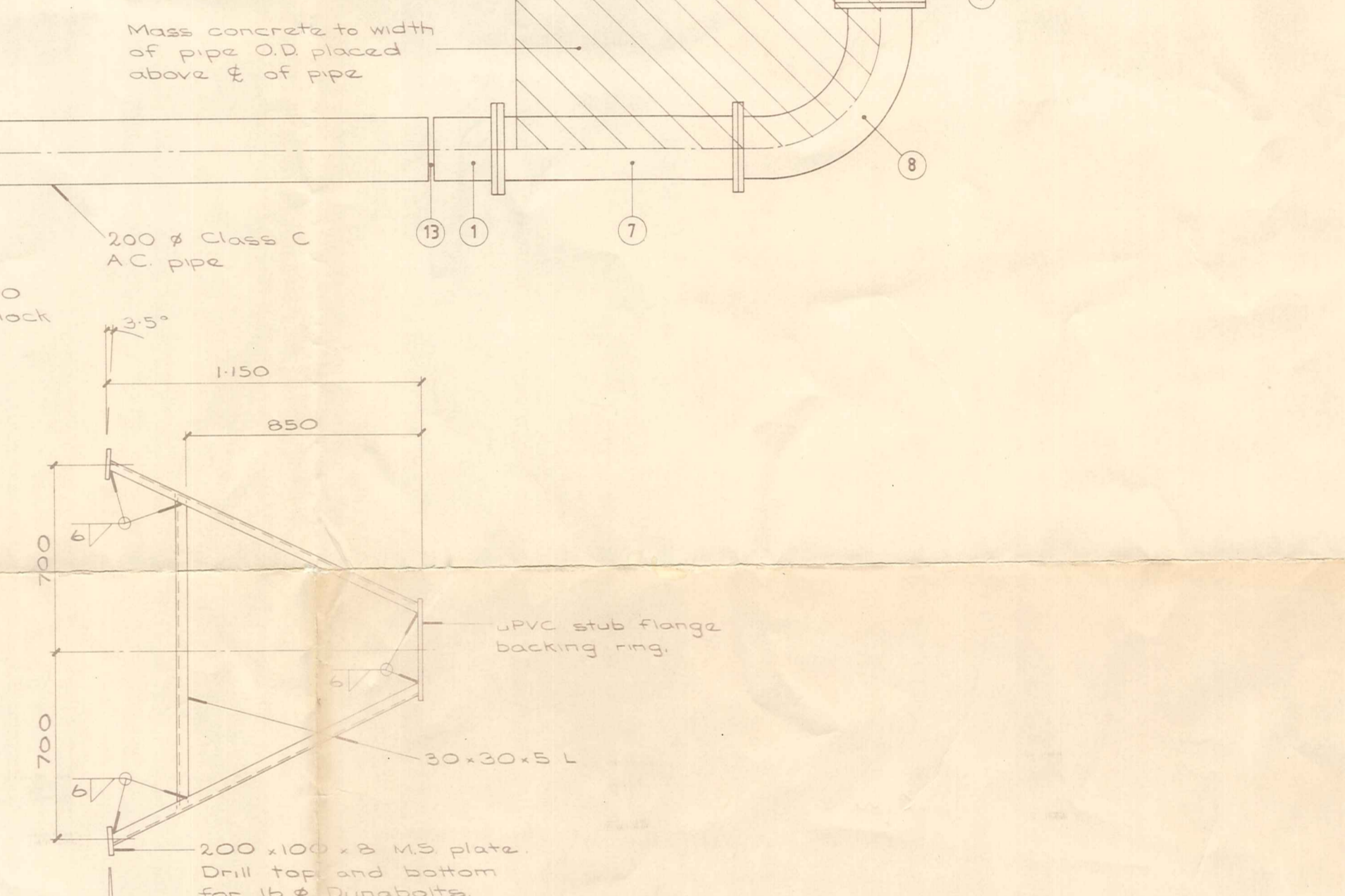


HOUSING COVER
1:20

NOTE: Cover and access hatch to be 3mm aluminium tread plate. Refer to dwg. T7 for construction and installation details.



RESERVOIR INLET/UPWASH DETAIL
1:20



SECTION B - BRACKET
1:20

NOTE: 25 MPa concrete strength
275 grade reinforcing steel

ITEM NO	DESCRIPTION	Nº OFF
25	200 # arifice plate	-
26	150 # Desurik butterfly valve	-
27	200 # x 20 tapping band	2
28	20 # gate valve	2
29	200 # screwed steel flange	1
30	200 # Desurik butterfly valve	-

NOTE: Items 24, 25 & 30 supplied by Portals

ITEM NO	DESCRIPTION	Nº OFF
1	200 # C.I. flange adaptor	3
2	200/150 C.I. flanged Tee	2
3	200 # C.I. straight (flanged one end)	1
4	200 # C.I. 45° flanged band	2
5	200 # C.I. 400mm flanged straight	1
6	200 # C.I. 22 1/2° flanged band	2
7	200 # C.I. 900mm flanged straight	1
8	200 # C.I. standard radius 90° band	3
9	200 # C.I. flanged straight	1
10	150 # C.I. short radius 90° band	2
11	150 # C.I. flange adaptor	2
12	150 # C.I. 300mm plain end straight	1
13	200 # gibout joint	9
14	150 # gibout joint	2
15	200 # wafer check valve	1
16	150 # Desurik butterfly valve	1
17	200/150 C.I. flanged tee	1
18	50 # C.I. standard radius 90° band	1
19	50 # C.I. 0.3m straight with puddle flange	1
20	50 # uPVC stub flange and backing ring	3
21	200 # special radius uPVC band	2
22	200 # uPVC stub flange backing ring and gasket	2
23	200 # Kamlok 633C and 633F adaptors	1 ea.
24	200 # reinforced rubber hose	1

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MANIOTOTO COUNTY COUNCIL

**RANFURLY WATER TREATMENT STATION AND RESERVOIR
HYDRAULIC STRUCTURES AND CONNECTING PIPEWORK**

AMENDMENTS			NAME	DATE	JOB NO.	Sheet No.
NO	BY	DATE				
A	CGB	2/85	Item 28 amended, Item 20 added, 25 # arifice plate located, 250 # AC description corrected to 200 #		10384	T9A

300
250
200
150
100
50
0
1 2 3 4 5 6 7 8 9 10 11 12
ORIGINAL SIZE INCHES