

SEAL INTERIOR WITH UNDERCOAT AND 2 FINISH COATS TO APPROVED COLOURS IN HIGH GLOSS OIL BASED PAINT TO COMPLY WITH APPROVED NZ STANDARD

- NOTES:
- CONTRACTOR WILL BE SUPPLIED WITH TWO SHORT LENGTHS OF 100mm A/C PIPE ON SITE. CONTRACTOR SHALL INSTALL THESE PIPES IN END WALLS OF CONCRETE LINED TRENCH AS INDICATED
 - PIPE LAYING WITHIN CONCRETE LINED TRENCH AND INSTALLATION OF VALVES AND TAPPING BANDS WILL BE CARRIED OUT BY OTHERS AFTER THE AIR VESSEL IS INSTALLED AND CONTROL SHED IS COMPLETED BY THE CONTRACTOR. OTHERS WILL CONNECT BRANCH PIPE AT X-X
 - 10mm HOSE CONNECTIONS BY OTHERS REFER ALSO TO SPECIFICATION
 - CONCRETE STRENGTH AFTER 28 DAYS = 20MPa
 - CONCRETE SURFACE FINISHES:
FORMED - F3
UNFORMED - U2
 - ROOF AND ALL WALLS OF CONTROL SHED TO BE FULLY CROSS BRACED WITH DOUBLE SETS OF "LUMBERLOK" BUILDING STRAPS RUNNING DIAGONALLY FROM CORNERS OF EACH FRAME
 - RAFTERS TO BE ATTACHED TO TOP PLATE OF WALLS BY MEANS OF "TRIP-L-GRIP" CONNECTORS

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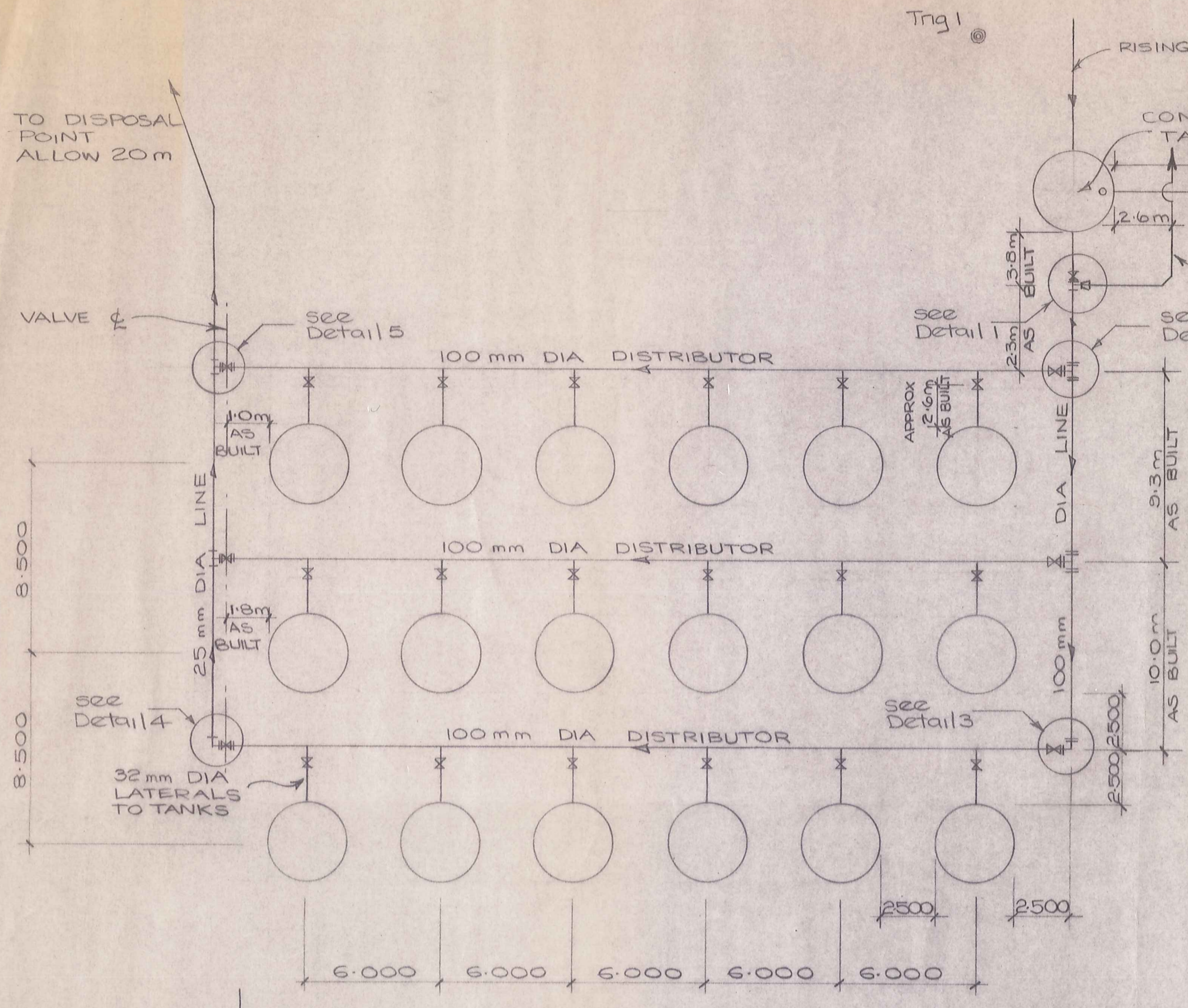
MANIOTOTO
COUNTY COUNCIL

PATEAROA RURAL WATER SUPPLY SCHEME
CONTROL SHED DETAILS

AMENDMENTS			NAME		DATE	JOB NO.	Sheet No
NO.	BY	DATE	Appvd.	Surveyed	Drawn	9422	7
				J. KNOX	AUGUST 80		
				W. J. B.	July 1980		
				J. KNOX	AUGUST 80		
				W. J. B.	Oct. 1980		
					Dec 80		

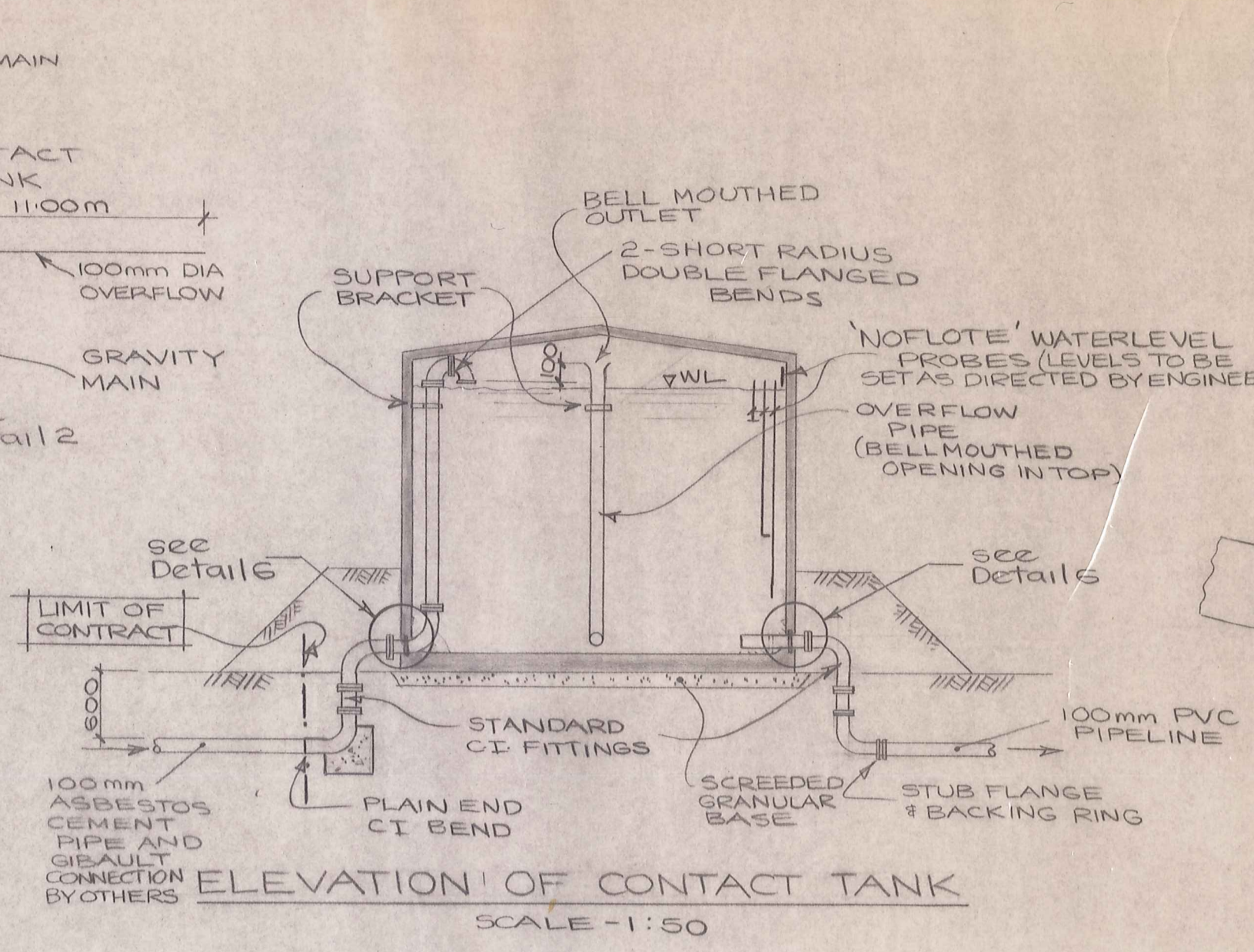
File 2/14/83 351 L.B.413 224 F.B. —

ORIGINAL SIZE
mm INCHES
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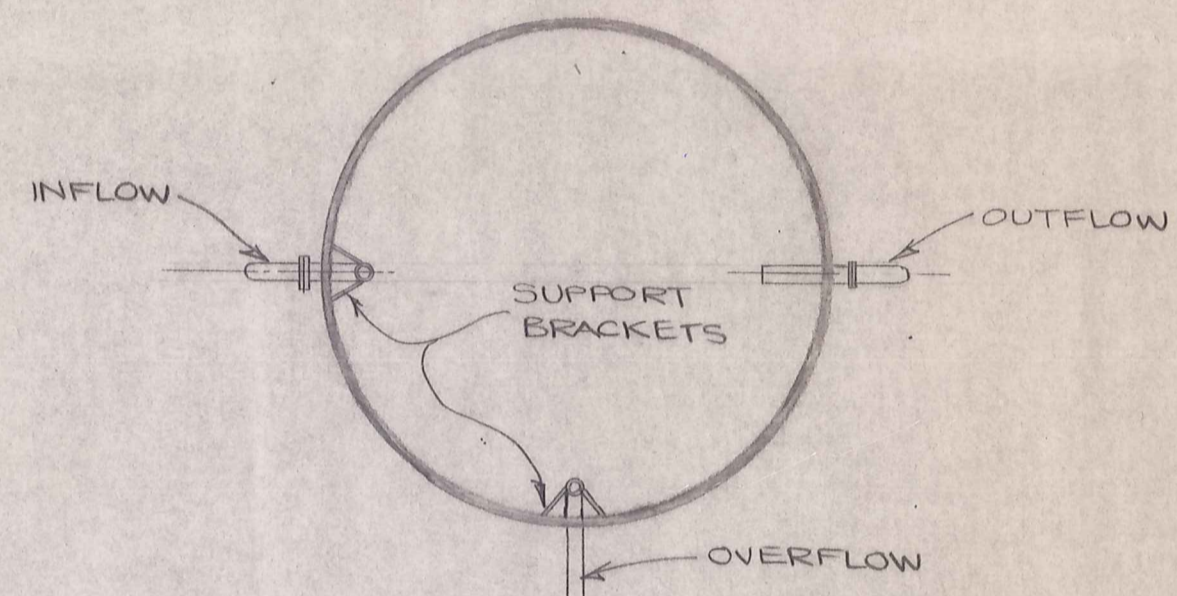


PLAN
SCALE - 1:200

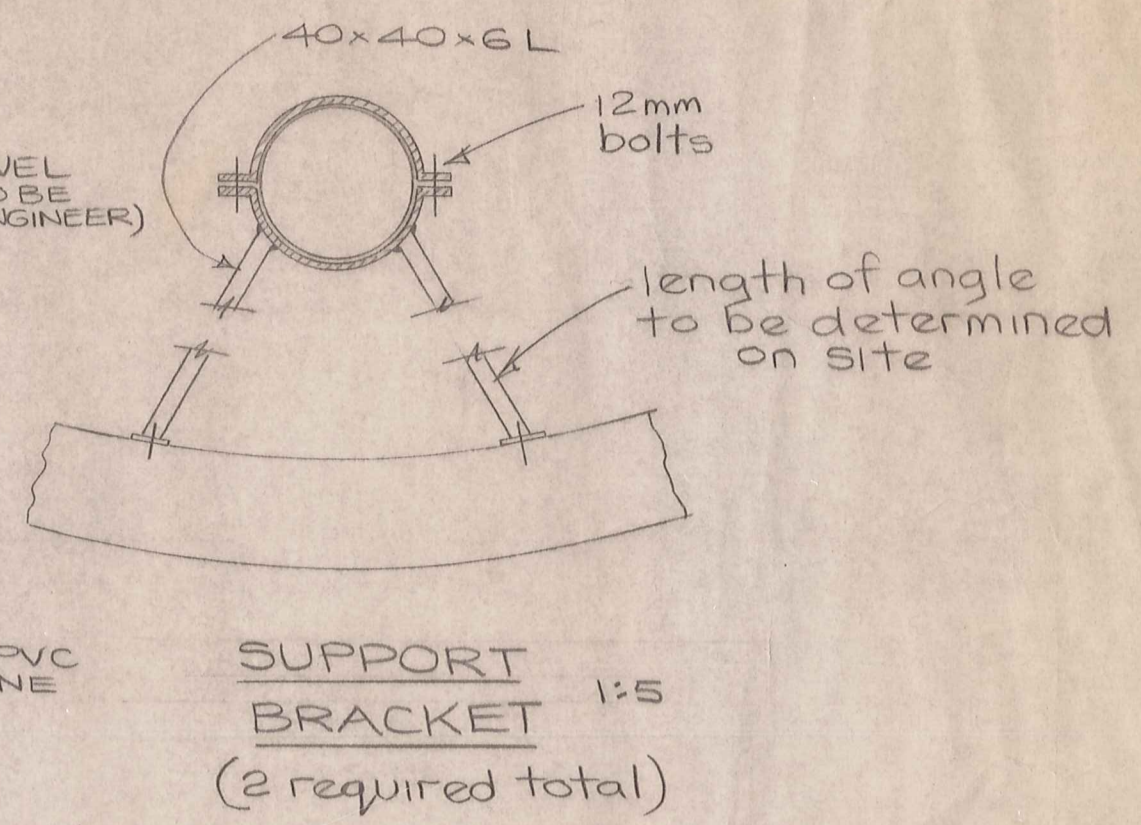
NOTE: ALL TANKS SHOWN ARE 22,700 L TANKS PLACED ON A LEVEL SCREEDED GRANULAR BASE. - REFER TO SPECIFICATION



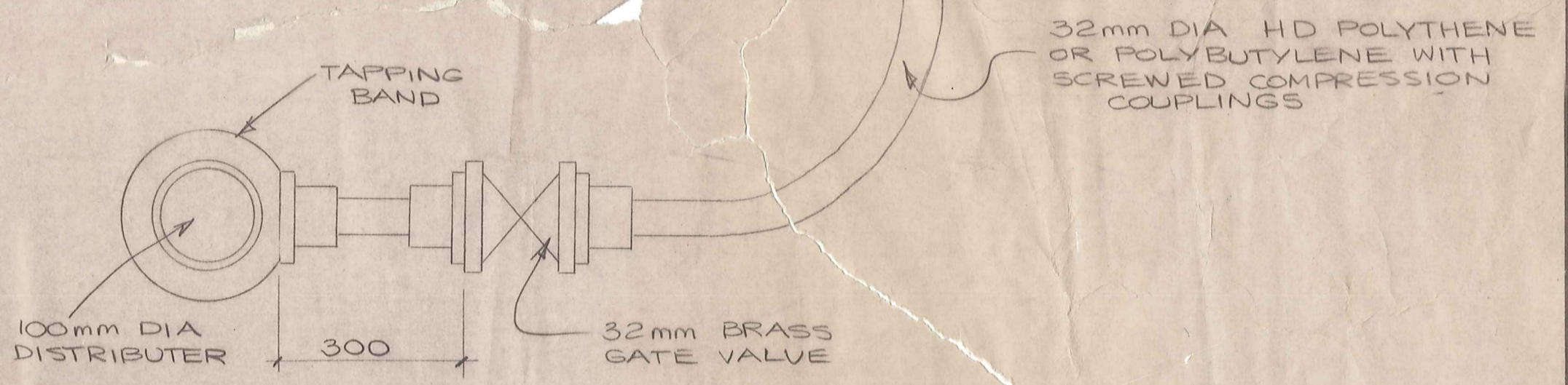
ELEVATION OF CONTACT TANK
SCALE - 1:50



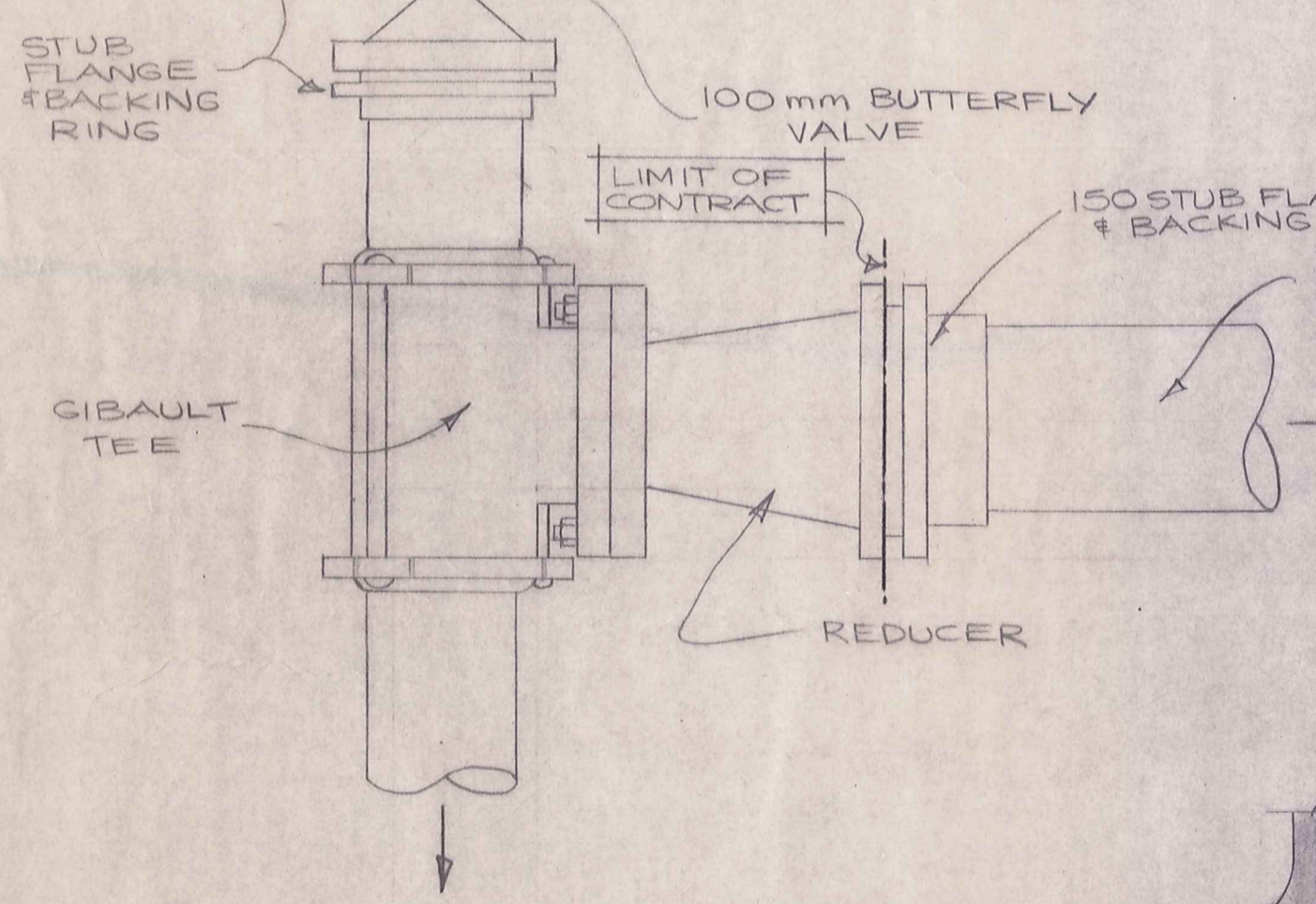
PLAN OF CONTACT TANK
SCALE - 1:50



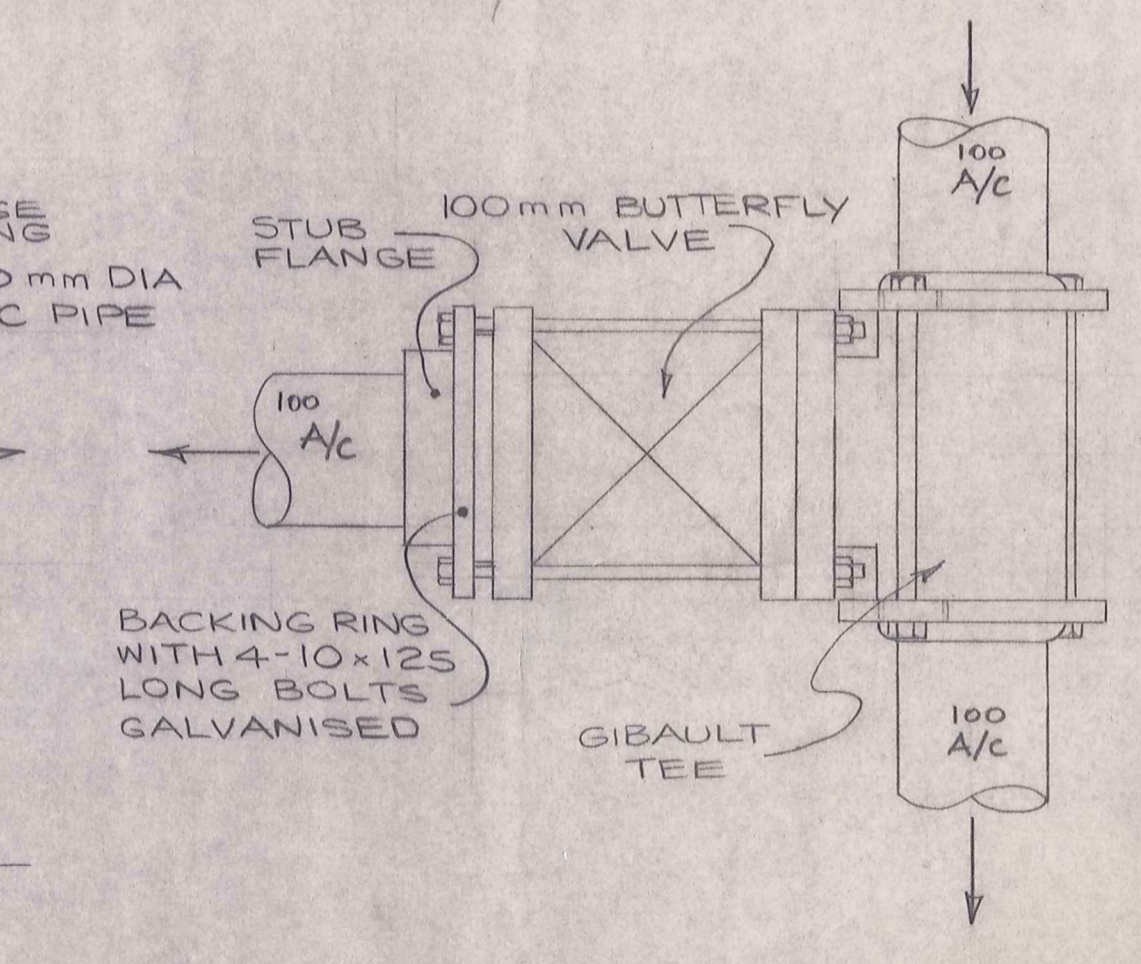
SUPPORT BRACKET 1:5
(2 required total)



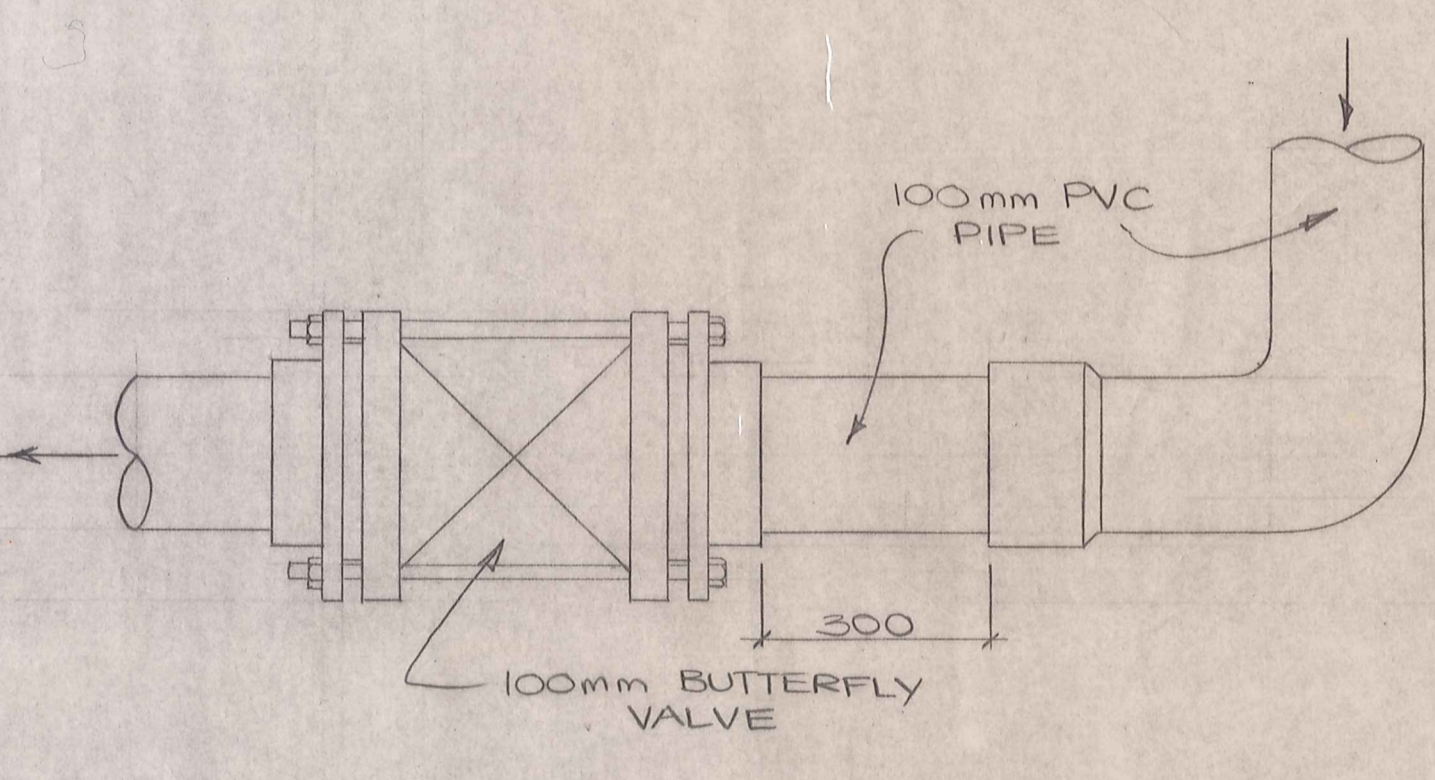
ELEVATION OF 32mm LATERAL FROM 100mm DISTRIBUTOR TO TANK



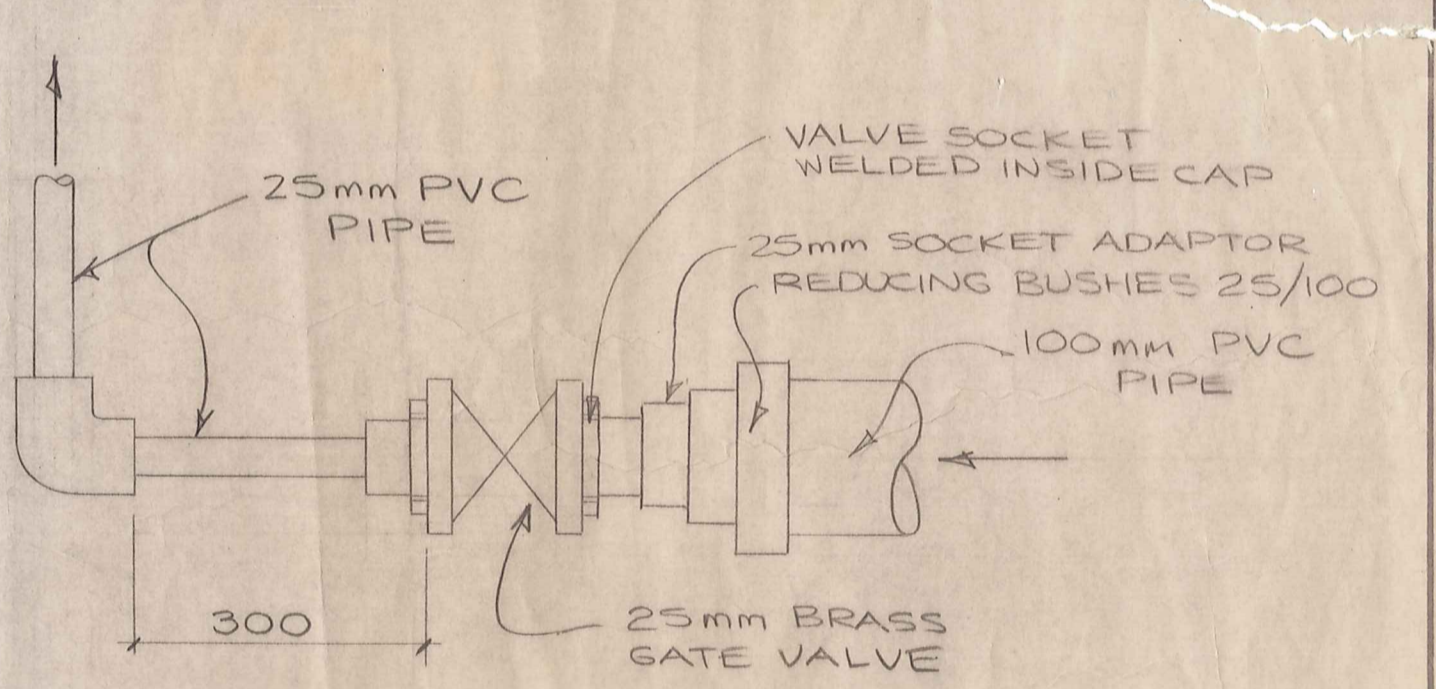
DETAIL 1



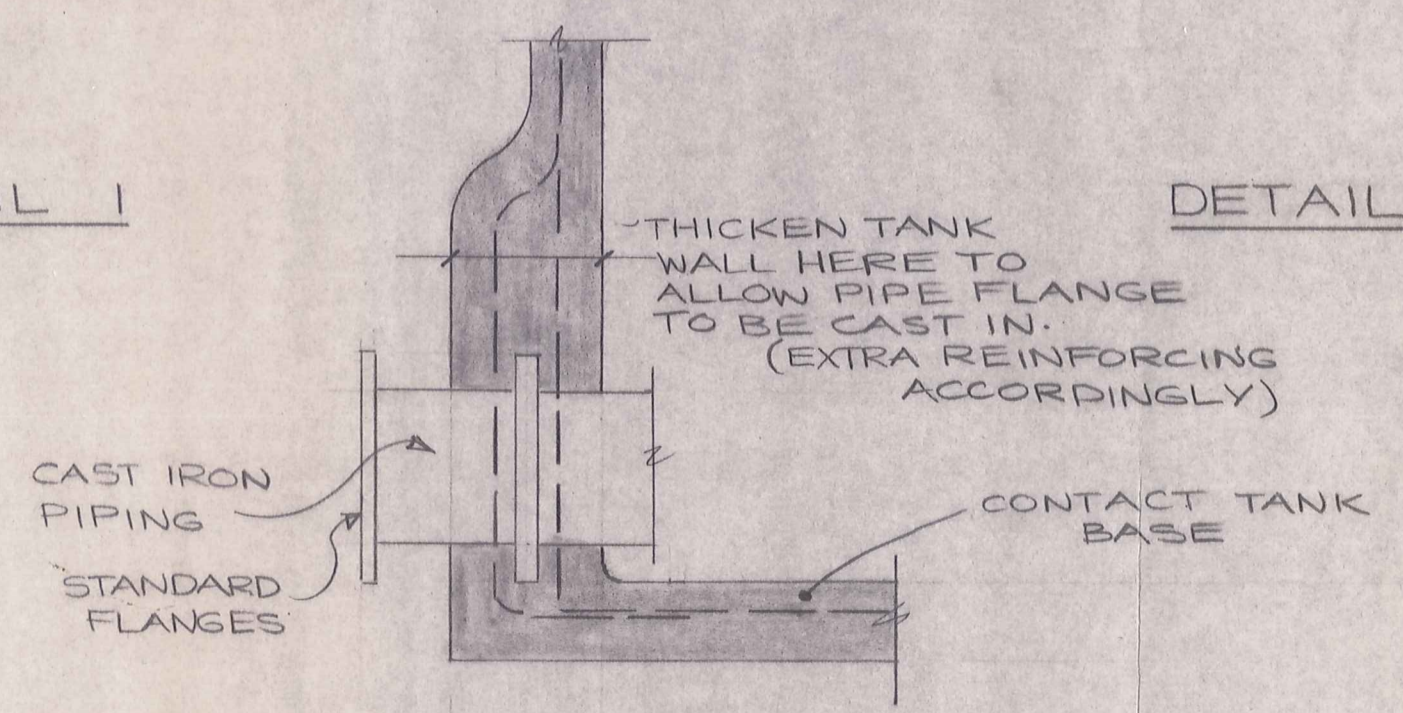
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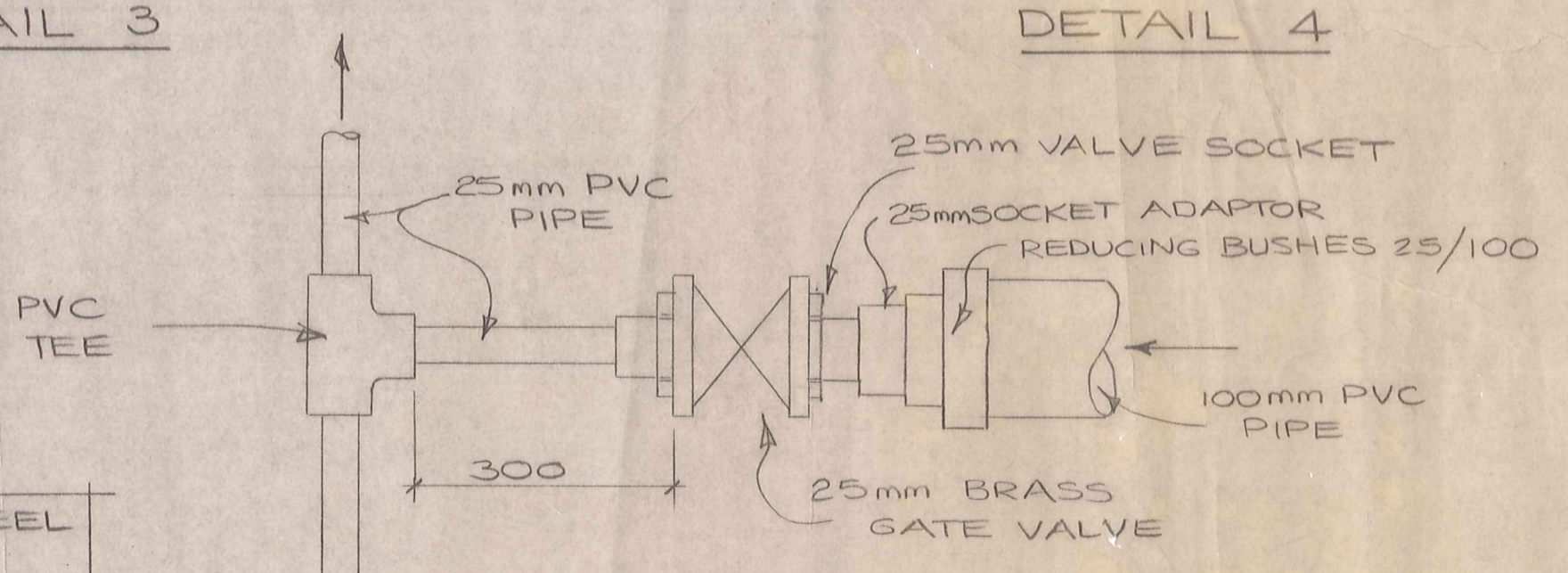
DETAIL 3



DETAIL 4



DETAIL 6



DETAIL 5

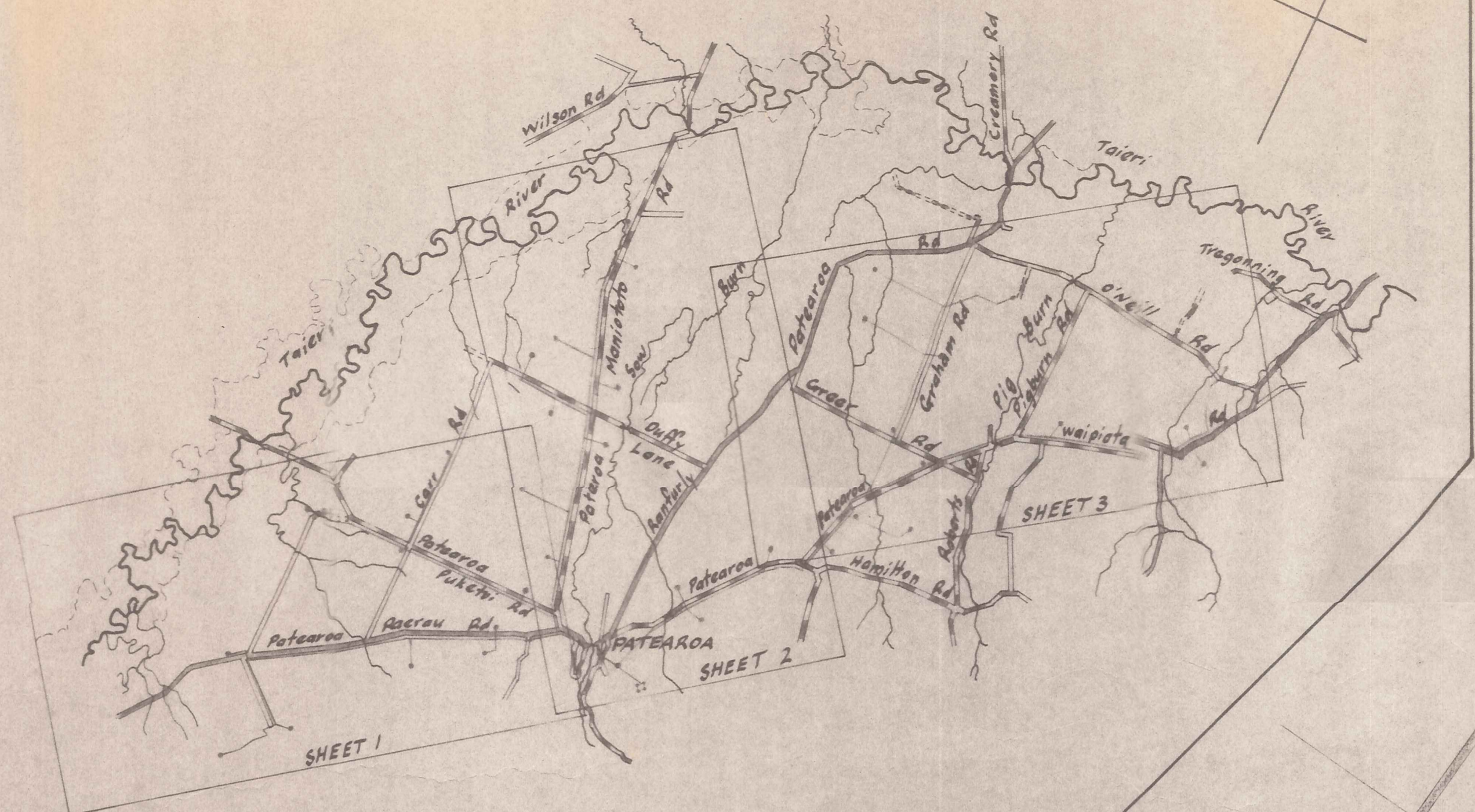
NOTE: ALL FABRICATED STEEL WORK TO BE HOT DIPPED GALVANISED
DEPTH TO ALL PIPEWORK SHALL BE 600mm

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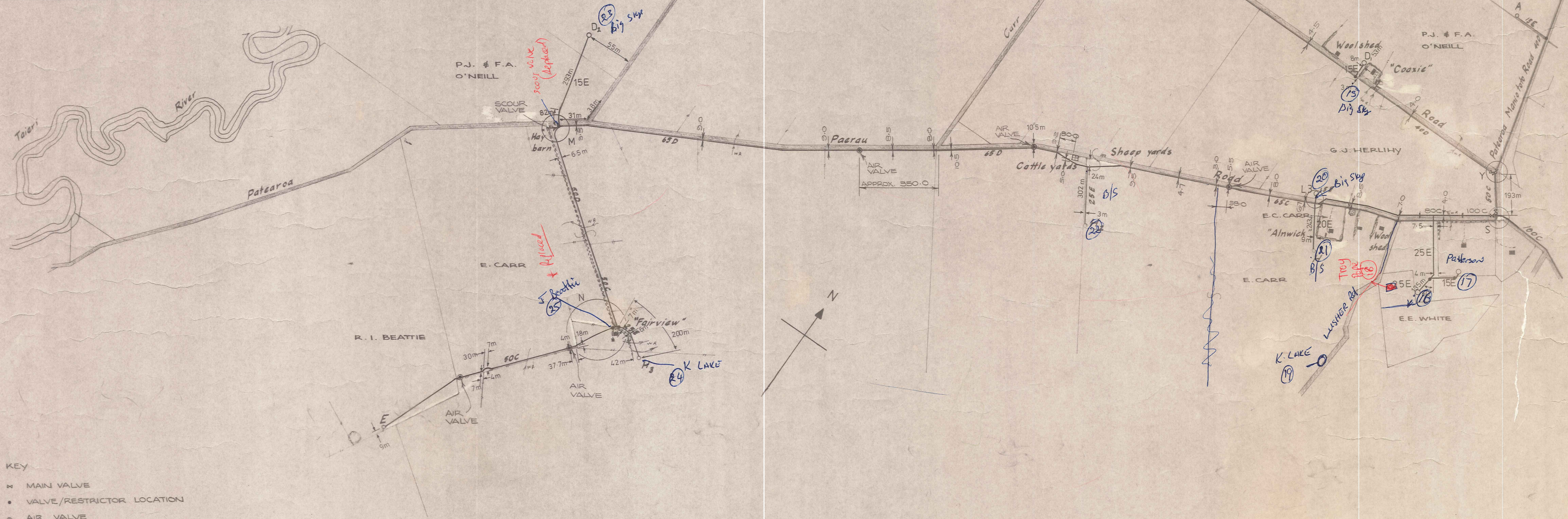
MANIOTOTO
COUNTY COUNCIL

PATEAROA RURAL WATER SUPPLY SCHEME
RESERVOIR DETAILS - AS BUILT

AMENDMENTS				NAME	DATE	JOB NO.	Sheet No.
NO.	BY	DATE	Appvd.	Surveyed		9422	8 of 8 A/B
A	DER	NOV/81		AS BUILT DETAILS			
				Drawn	J. KNOX AUGUST 80		
				Calculations	W.S.B. July 1980		
				Troced	J. KNOX AUGUST 80		
				Checked	J. KNOX AUGUST 80		
				Approved	Oct 1980		



LOCALITY PLAN



- KEY
- ▲ MAIN VALVE
 - VALVE/RESTRICTOR LOCATION
 - AIR VALVE

AS BUILT

Scale 1:10 000

Note:
Where pipeline runs parallel to fence lines, pipe is to be laid 2-3m off fence inside paddocks, except along Patearoa Maniototo Road and Paerau Road to beyond 'Alnwick' (E.C. Carr)

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PATEAROA RURAL WATER SUPPLY
PIPELINE LAYOUT - OFF FARM RETICULATION

AMENDMENTS			NAME	DATE	JOB NO	Sheet No
NO.	BY	DATE				
A	DER	NOV 81	AS BUILT DETAILS		9422	9 AsB
			Appvd.	Surveyed		
				BT Kinaston		
				Nov. 1976		
				Drawn		
				BT Kinaston		
				Apr. 1980		
				Calculations		
				DW Jack		
				Mar. 1980		
				Traced		
				BT Kinaston		
				Apr. 1980		
				Checked		
				20/10/80		
				Approved		

REFER SHEET FOR AS BUILT DRAWING OF PIPELINE THROUGH TOWNSHIP



AS BUILT

Scale 1:10 000

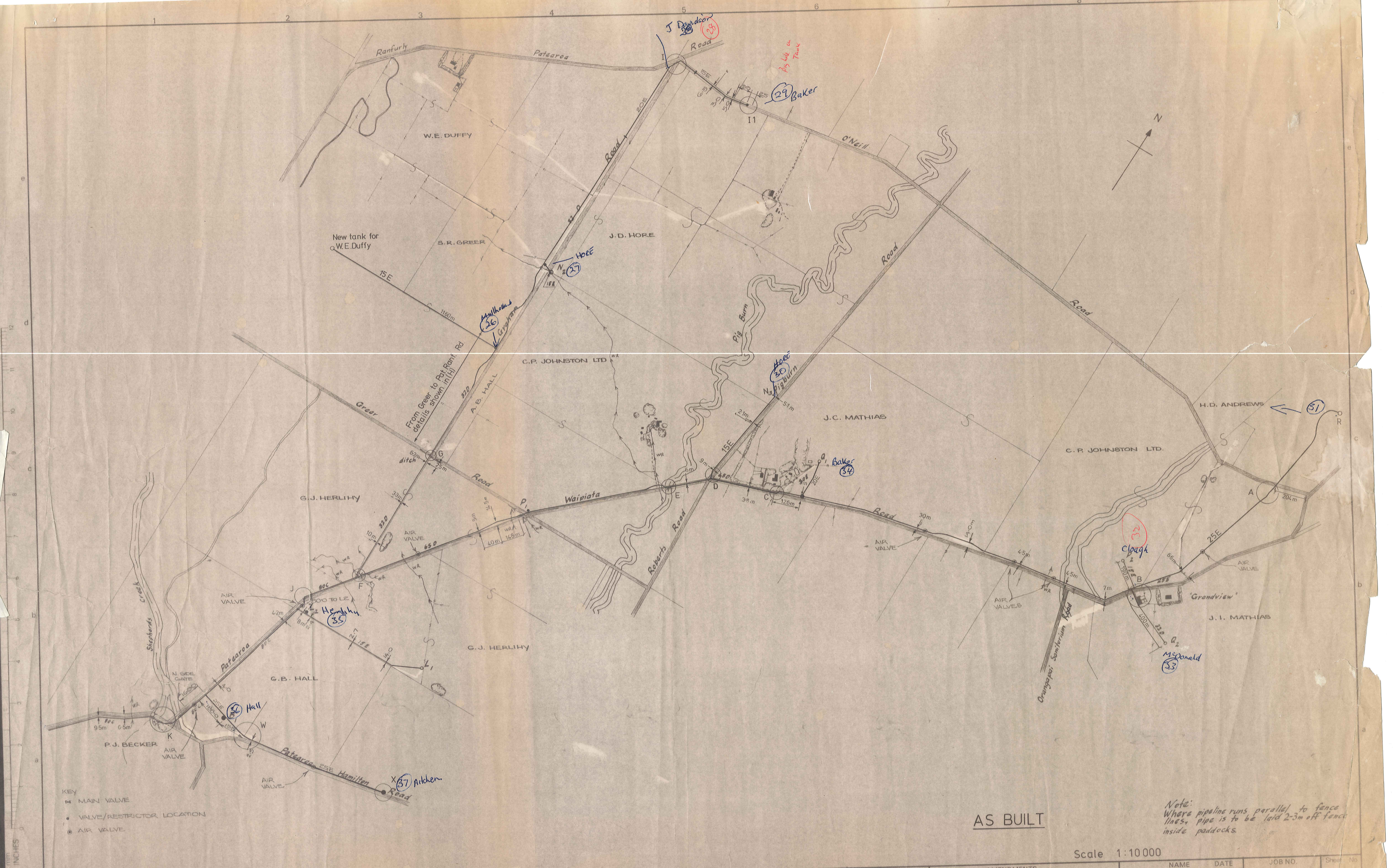
Note:
Where pipeline runs parallel to fence lines, pipe is to be laid 2-3m off fence inside paddocks, except through Patearoa township and along Patearoa Road to beyond 'Alnwick' (E.C. Carr.) and the full length of Maniototo Road.

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MANIOTOTO COUNTY COUNCIL

PATEAROA RURAL WATER SUPPLY PIPELINE LAYOUT - OFF FARM RETICULATION

AMENDMENTS			NAME DATE		JOB NO.	Sheet No.	
NO	BY	DATE	Appvd.		9422	10 ^{A5B}	
A	DER	NOV '81		AS BUILT DETAILS			
Surveyed	BT Kinaston	Nov. 1976			of sheets		
Drawn	BT Kinaston	Apr. 1980					
Calculations	Dw Jack	Mar. 1980					
Traced	BT Kinaston	Apr. 1980					
Checked		20/10/80					
Approved					File 4/4/85	L.B. 365/391	FB -



AS BUILT

Note: Where pipeline runs parallel to fence lines, pipe is to be laid 2-3m off fence inside paddocks.

Scale 1:10000

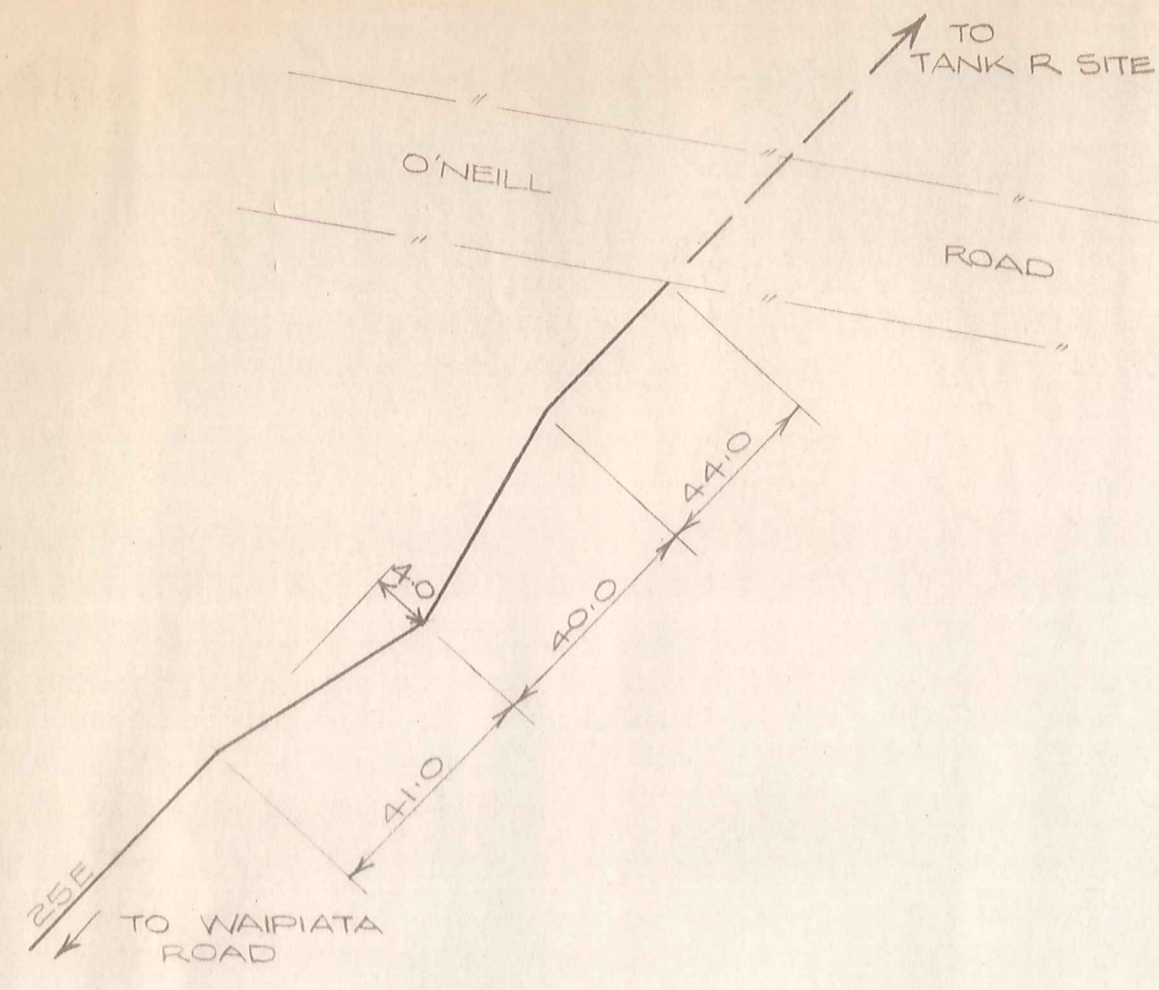
DUFFILL WATTS & KING LTD
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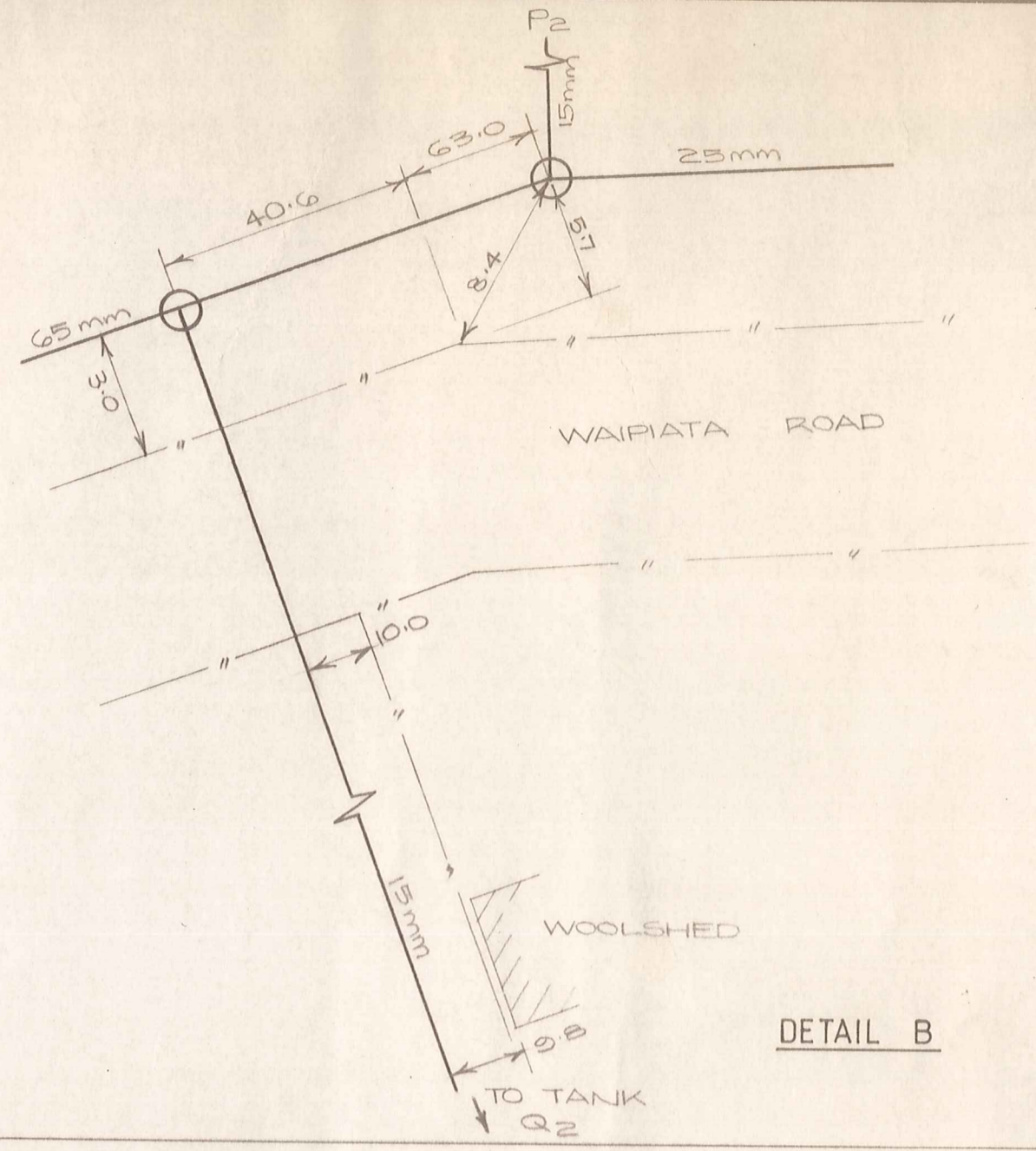
PATEAROA RURAL WATER SUPPLY
PIPELINE LAYOUT - OFF FARM RETICULATION

AMENDMENTS			NAME	DATE	JOB NO.	Sheet No.
NO	BY	DATE	Appvd	Surveyed	9422	11
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		AS BUILT DETAILS		Calculations		
				Traced		
				Checked		
				Approved		

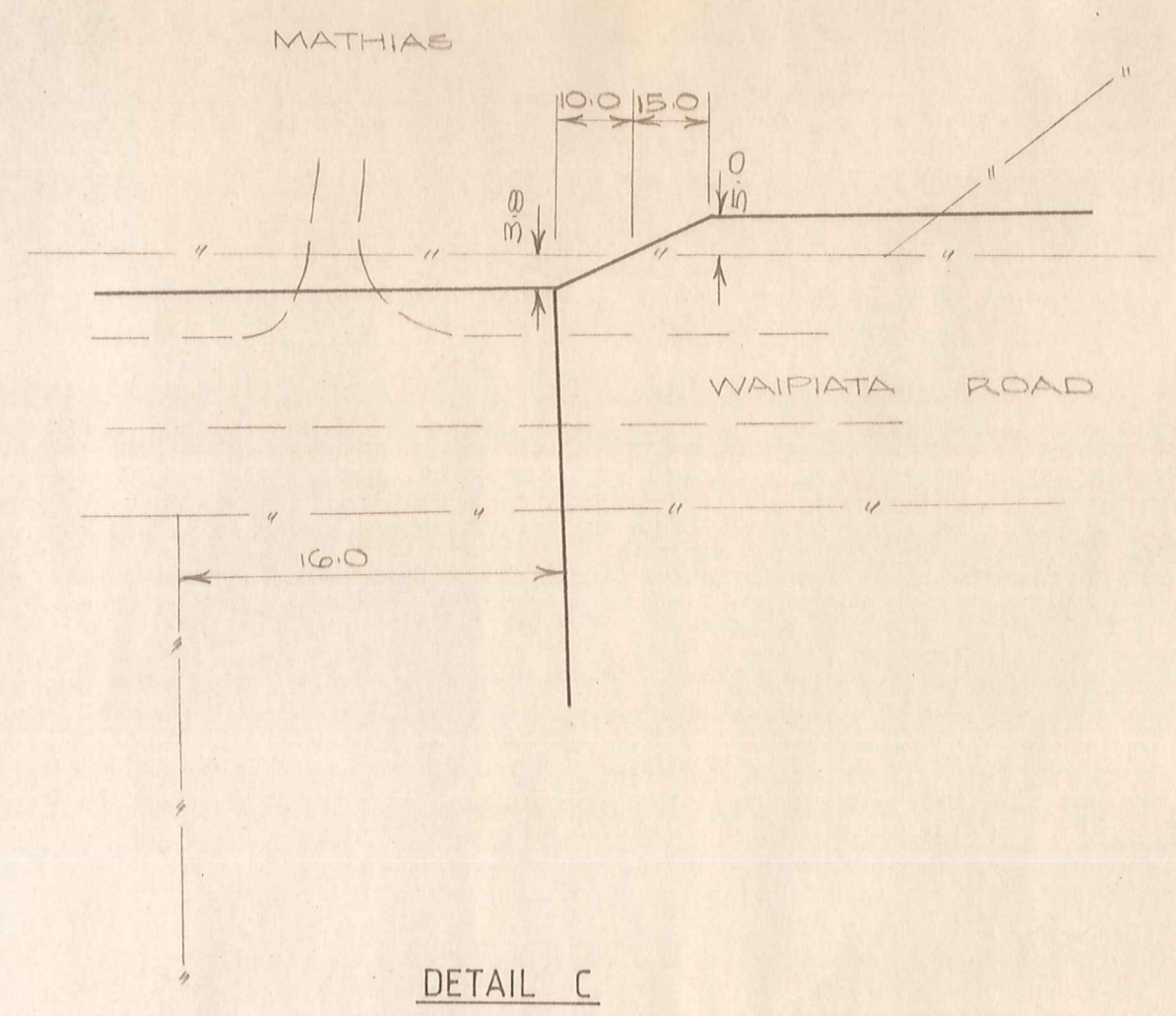
ORIGINAL SIZE
 mm INCHES
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 0 1 2 3 4 5 6 7 8 9 10 11 12



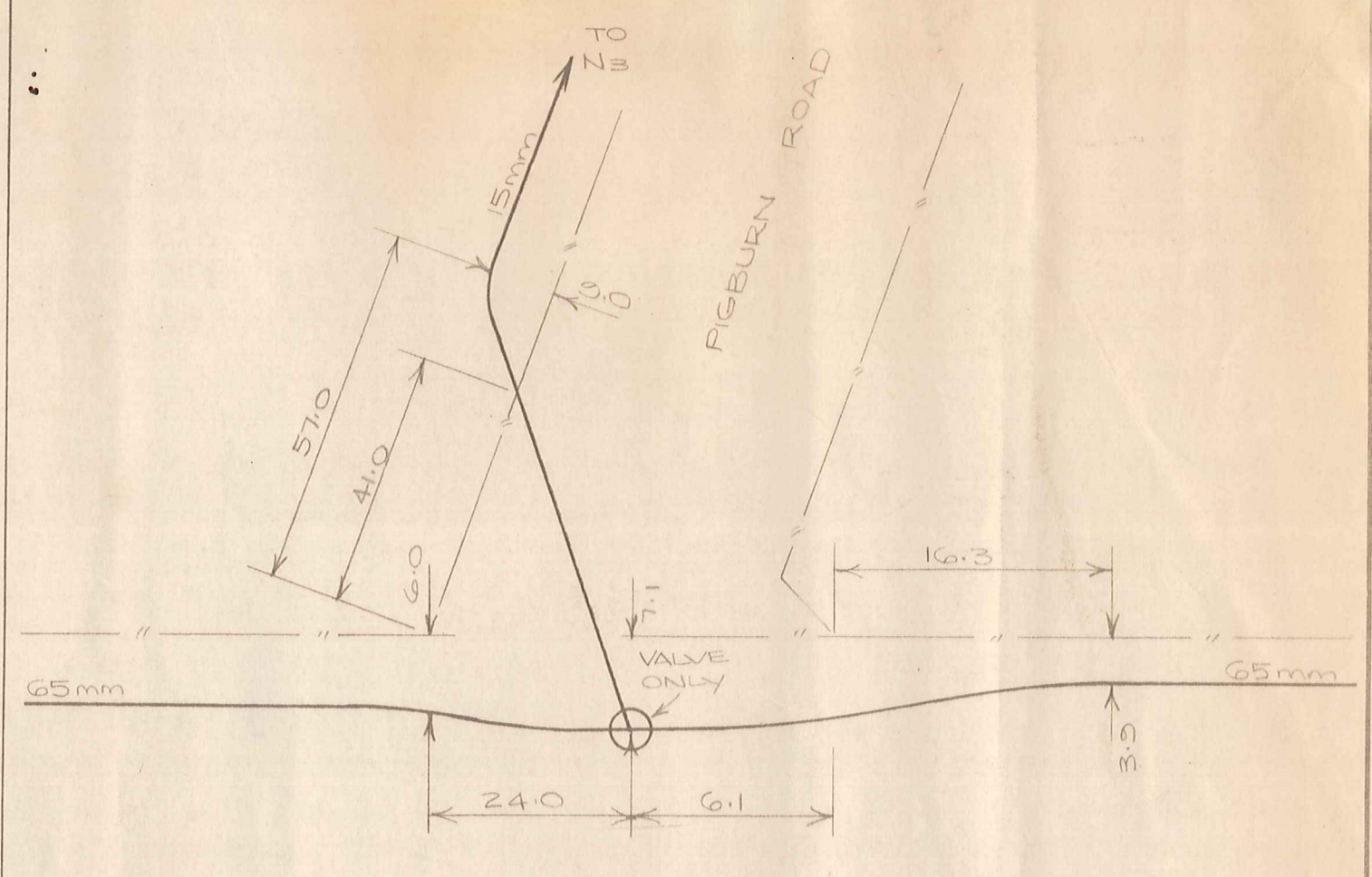
DETAIL A



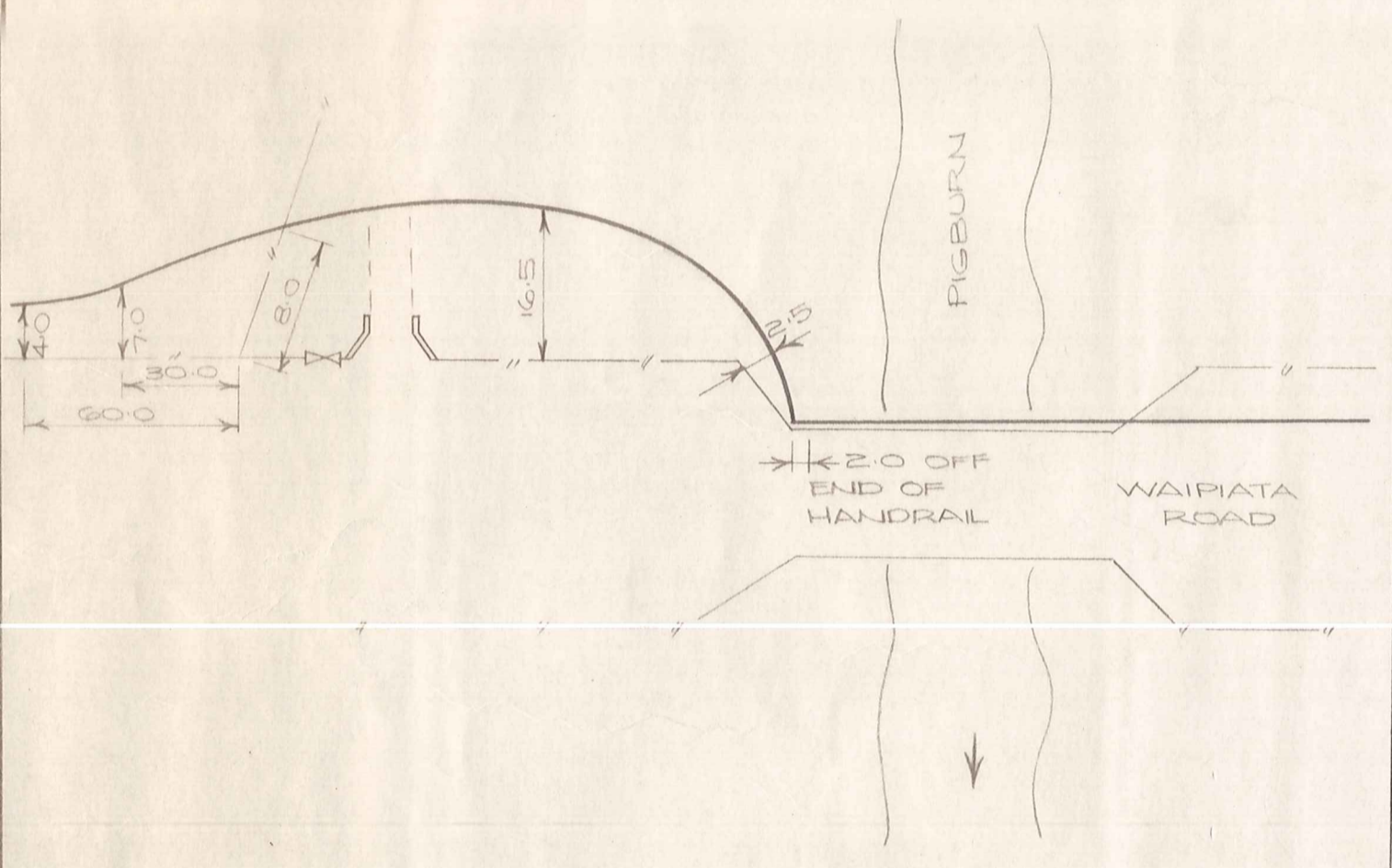
DETAIL B



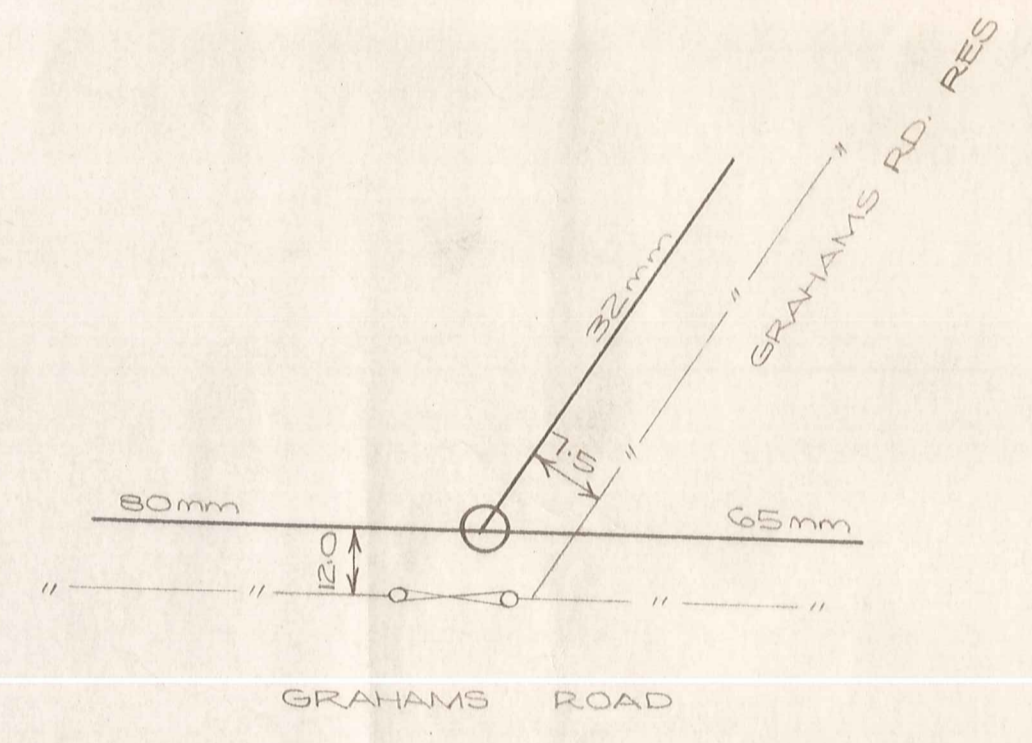
DETAIL C



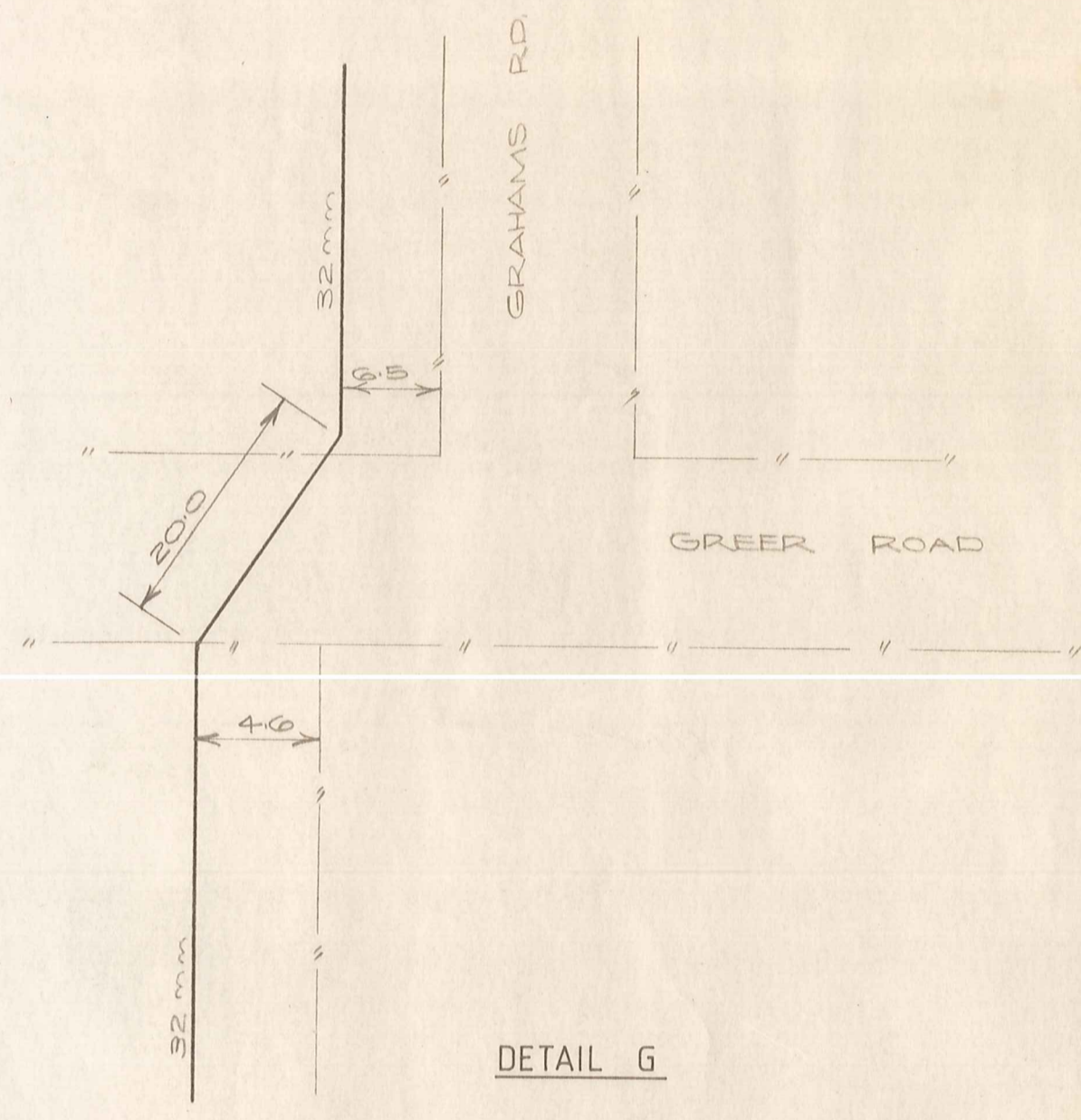
DETAIL D



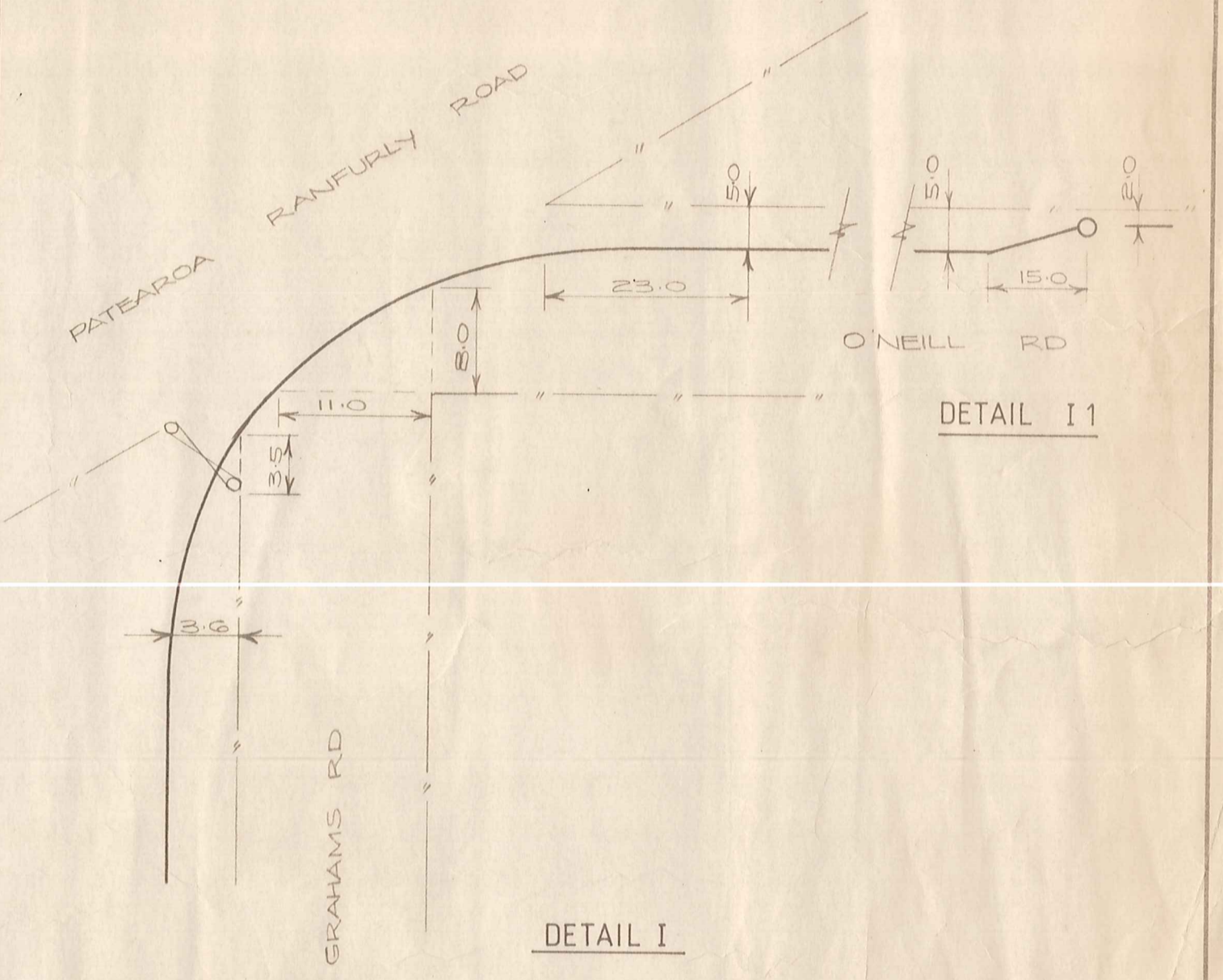
DETAIL E



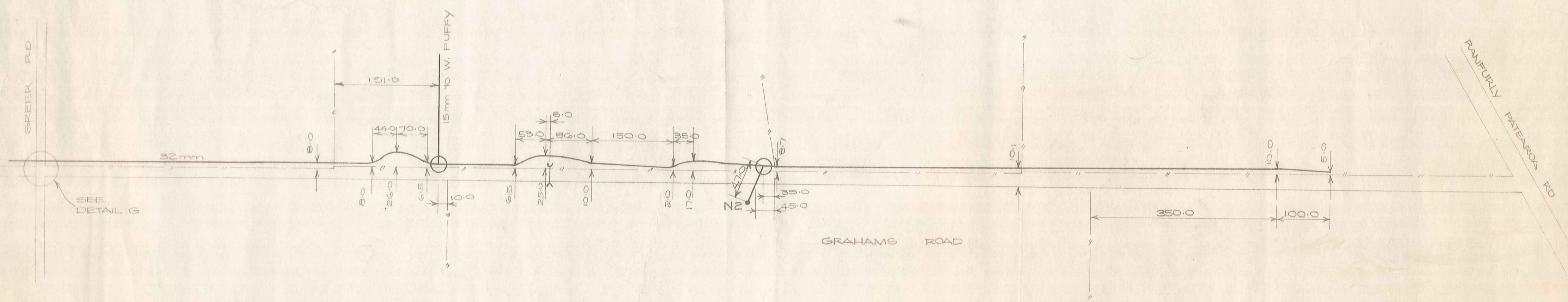
DETAIL F



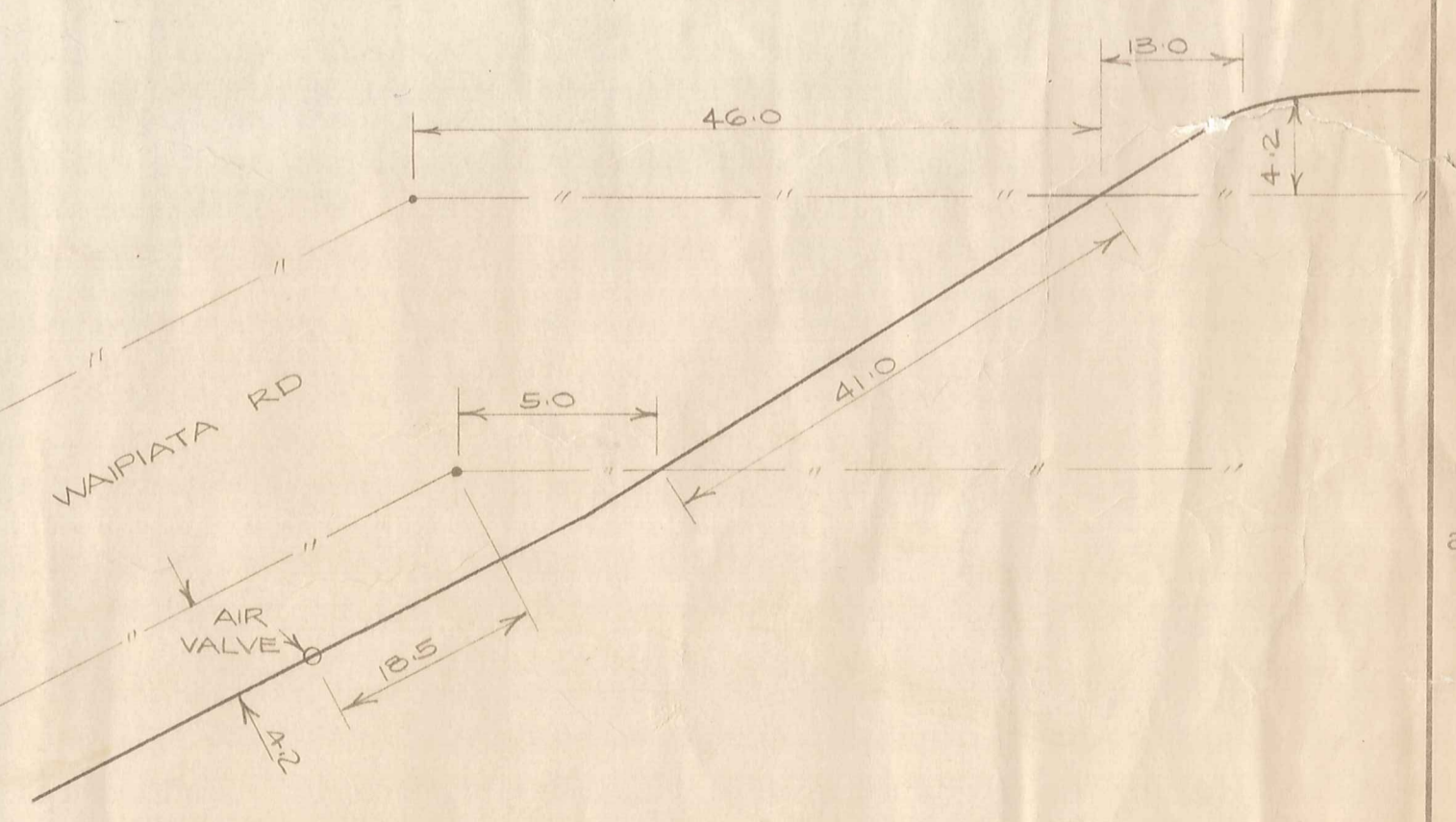
DETAIL G



DETAIL I 1



DETAIL H



DETAIL J

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PATEAROA RURAL WATER SUPPLY
 As-Built Location Diagrams

AMENDMENTS				NAME		DATE	JOB NO.	Sheet No
NO.	BY	DATE	Appvd.	Surveyed	Drawn			
				Calculations			9422	15 A-B
				Traced	C. STANLEY	OCT. '81		of 5 sheets
				Checked				
				Approved				



LEGEND

- TERMINAL WATER TANK (Not included in off farm works)
- TAPPING BAND
- ⊥ THREADED BUSH
- ⊥ VALVE SOCKET
- × VALVE
- × REDUCING BUSH
- ⊥ METAL BACKING RING
- ⊥ STUB FLANGE
- ⊥ PLAIN 90° BEND
- ⊥ PLAIN CROSS
- VFM UNIT (MATIC INSERT STD SIZE)
- ⊙ VFM UNIT (MATIC INSERT NON STD SIZE)
- VFM UNIT (FIXED ORIFICE NON STD SIZE)
- m³/day METRIC UNITS PER DAY (m³/day)
- 824-100-000 SUPPLIER ORDER REFERENCE NUMBER

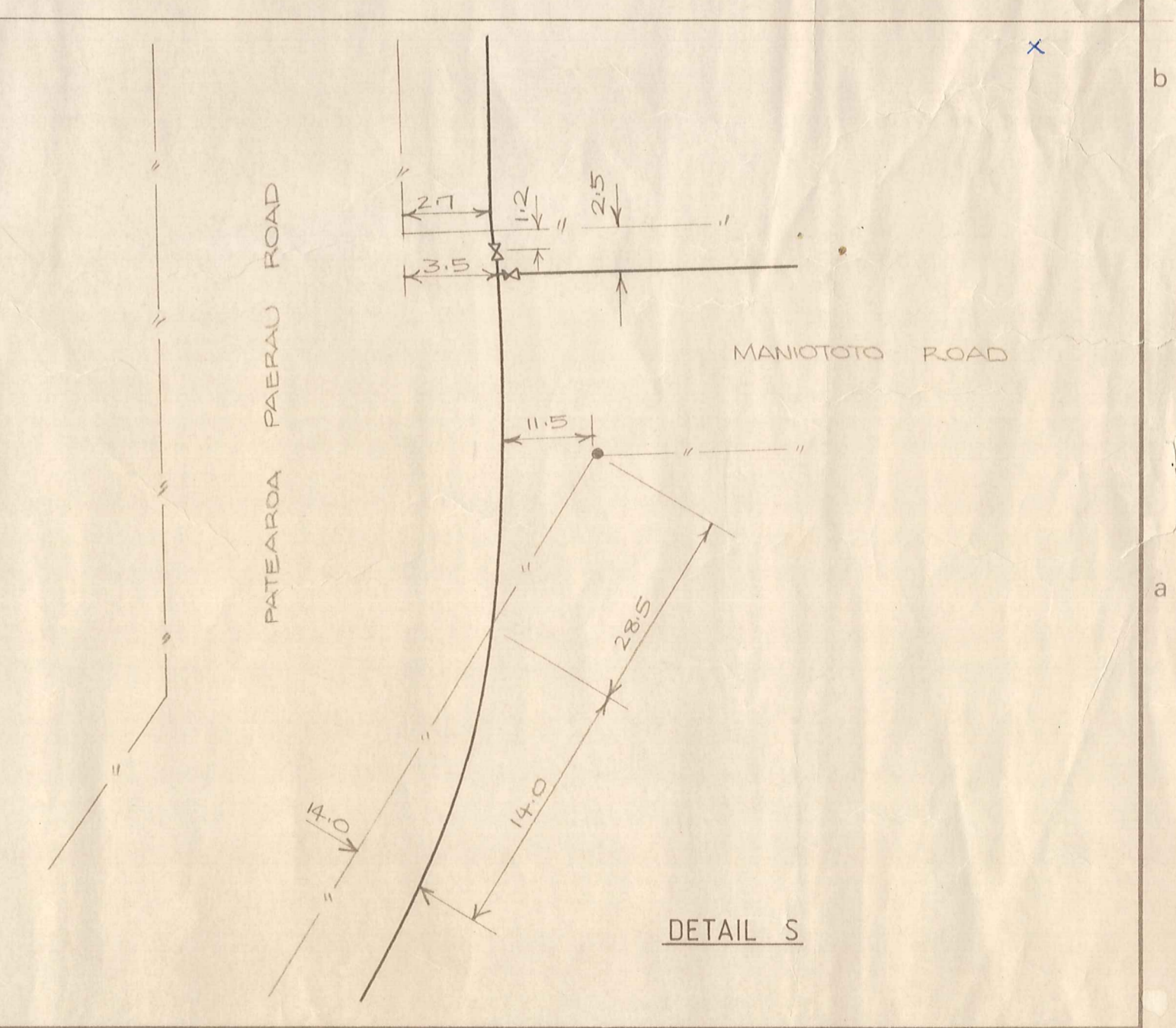
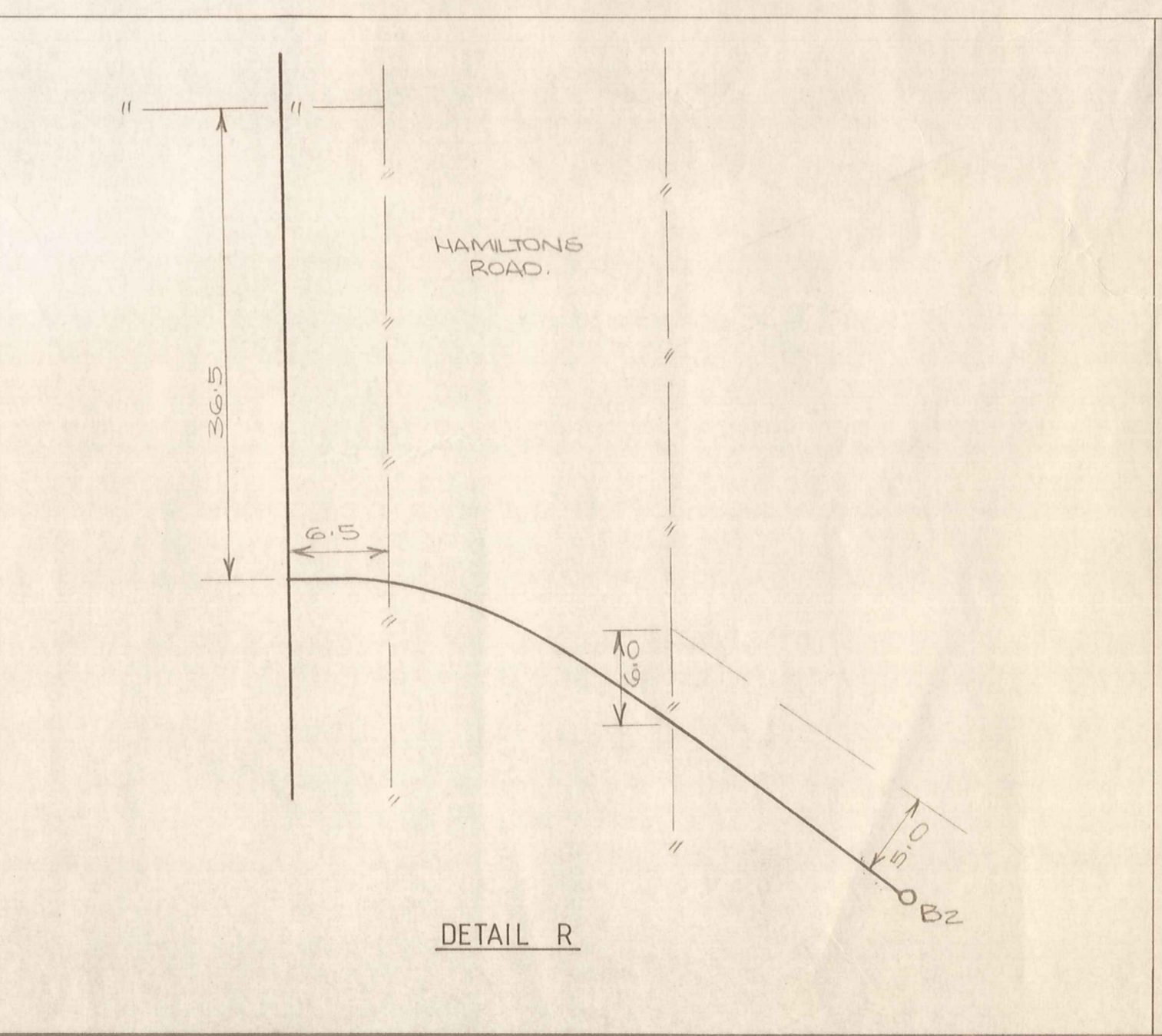
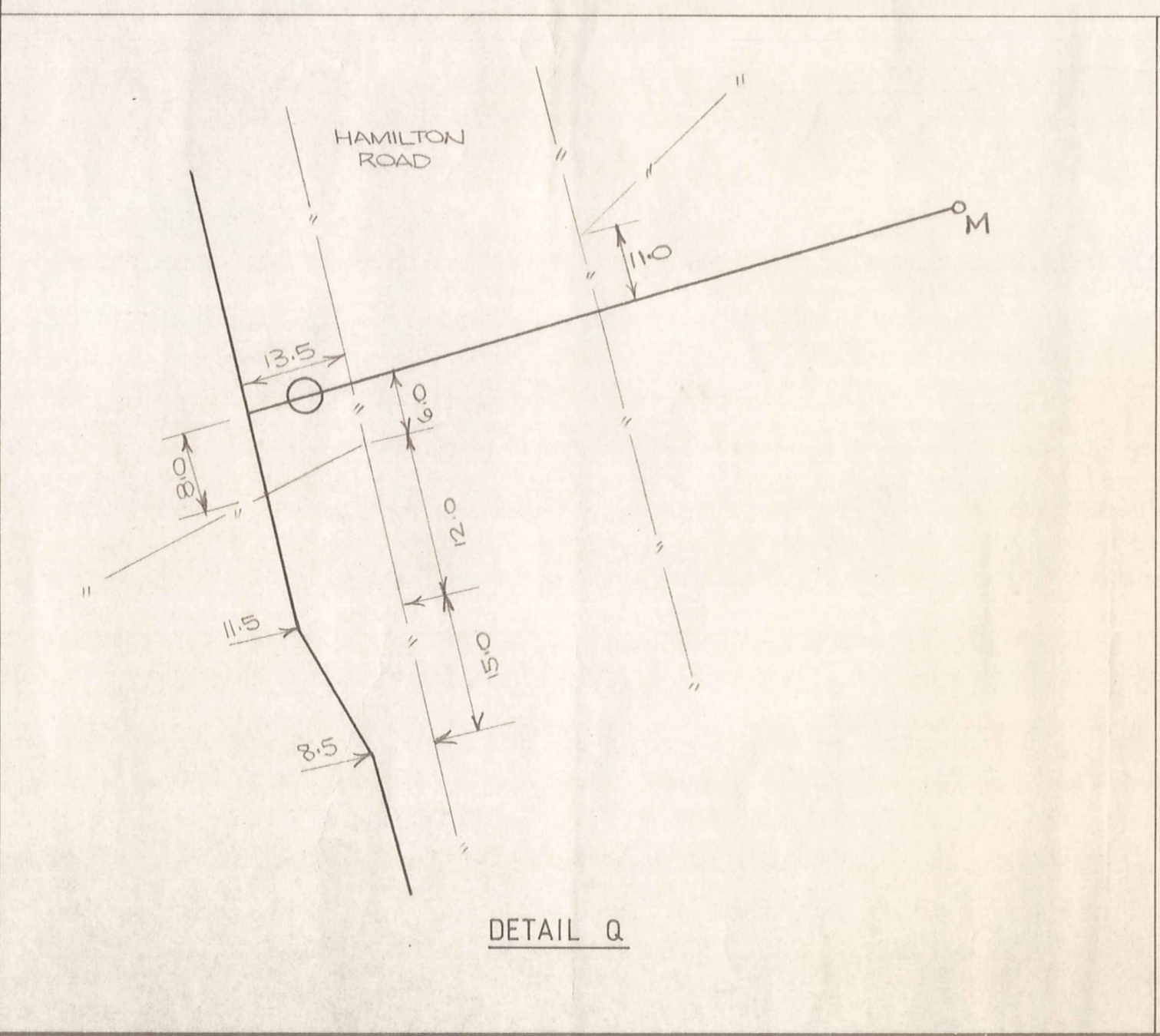
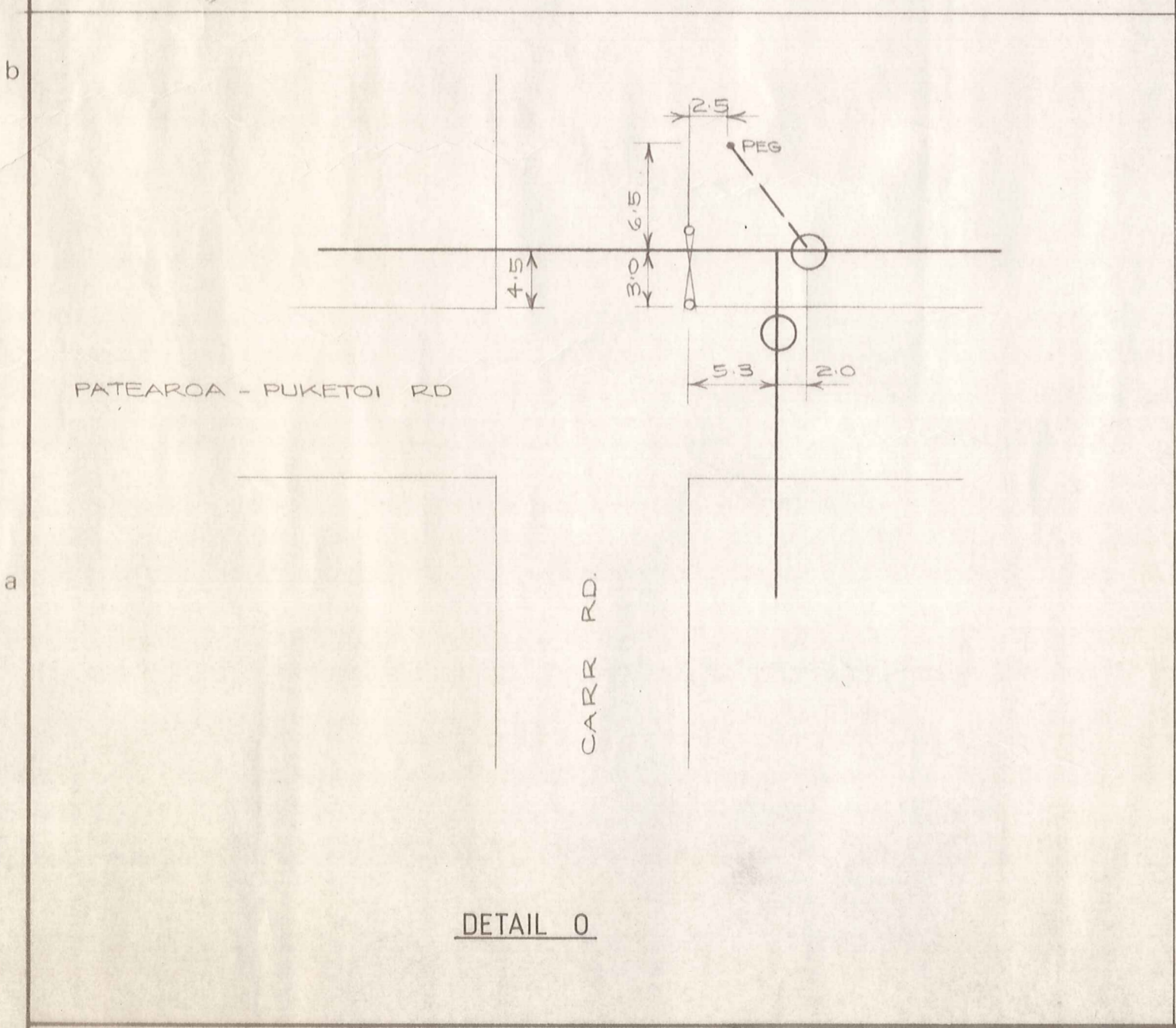
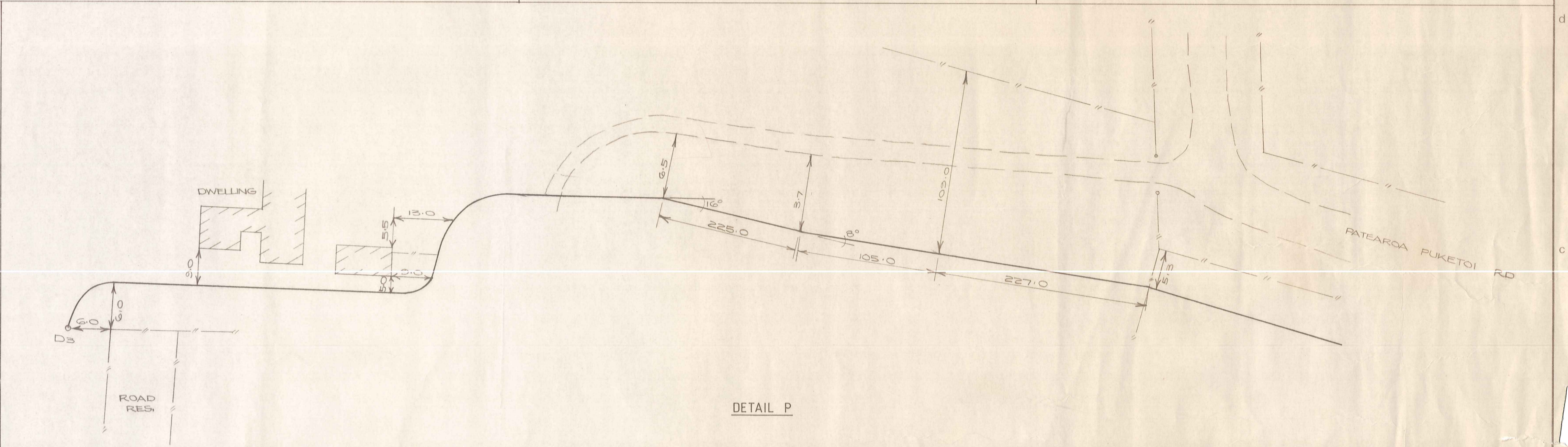
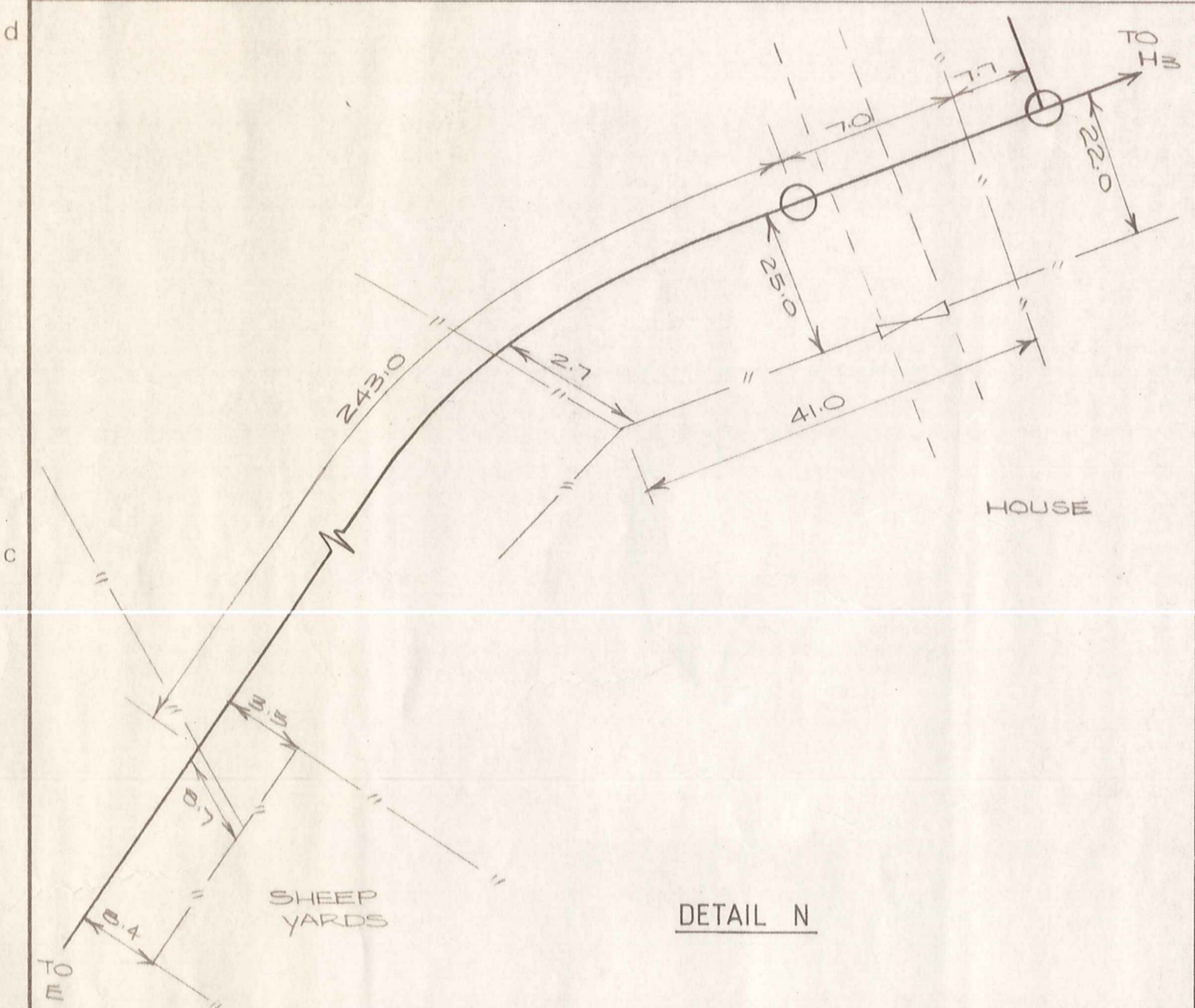
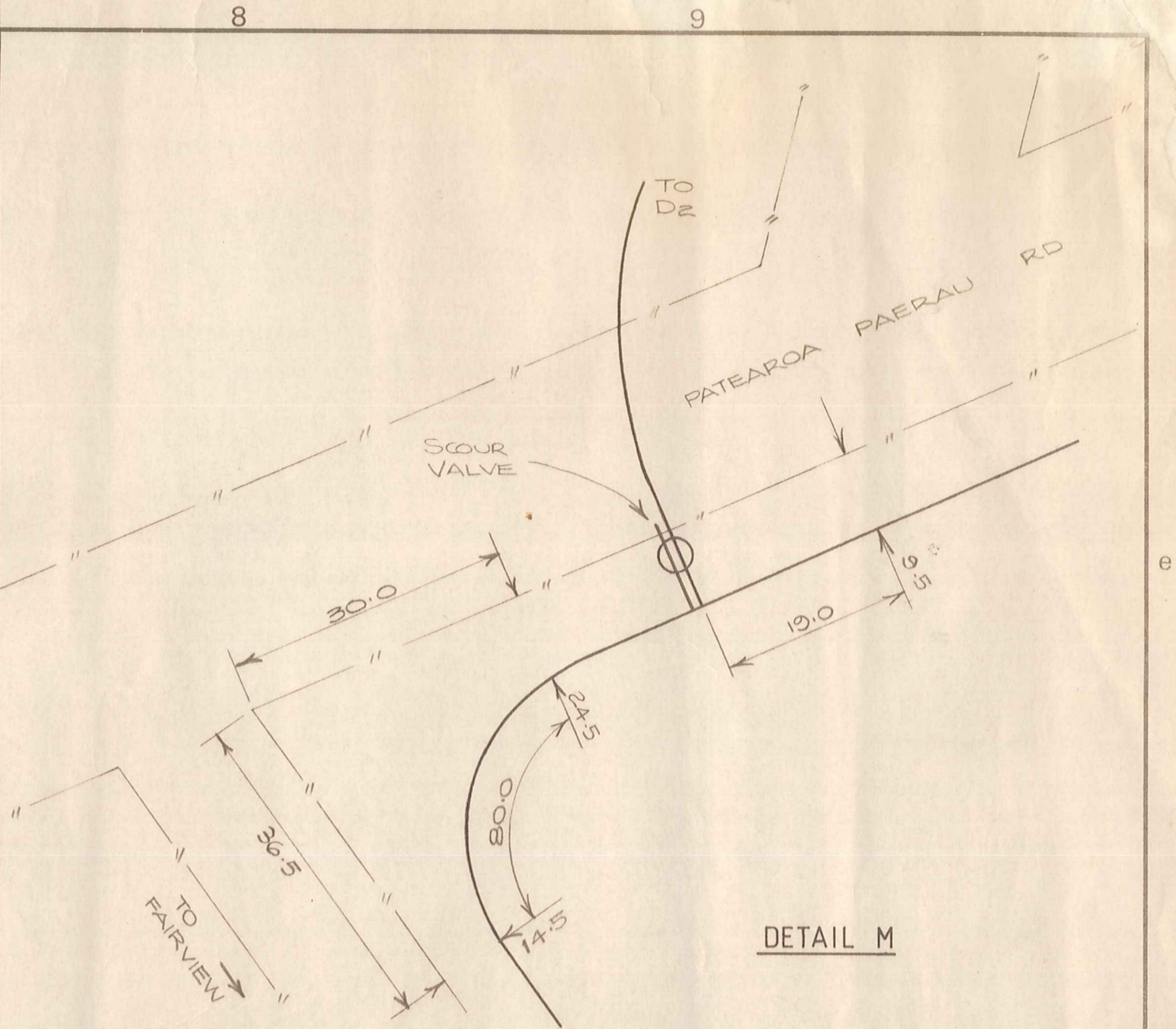
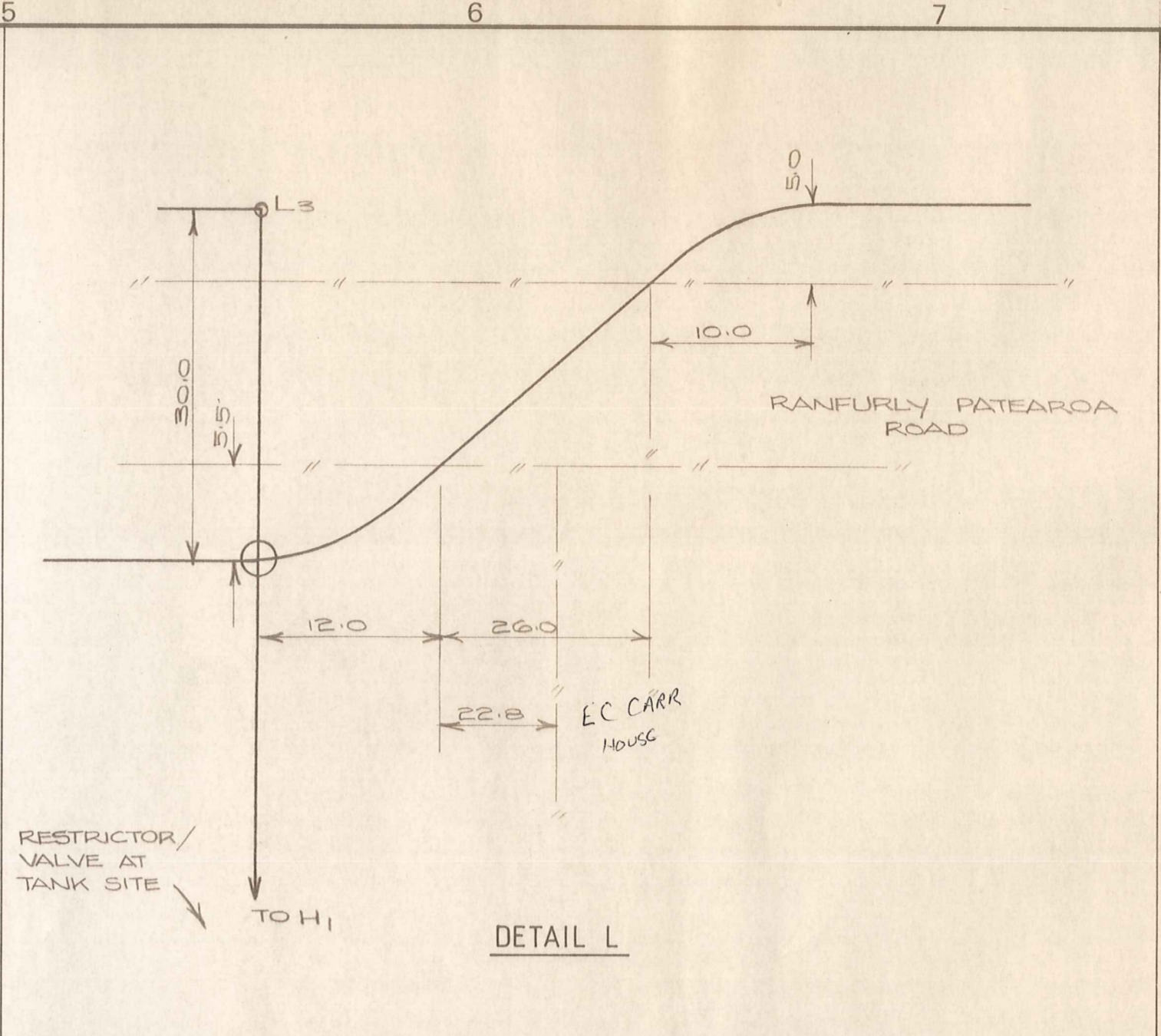
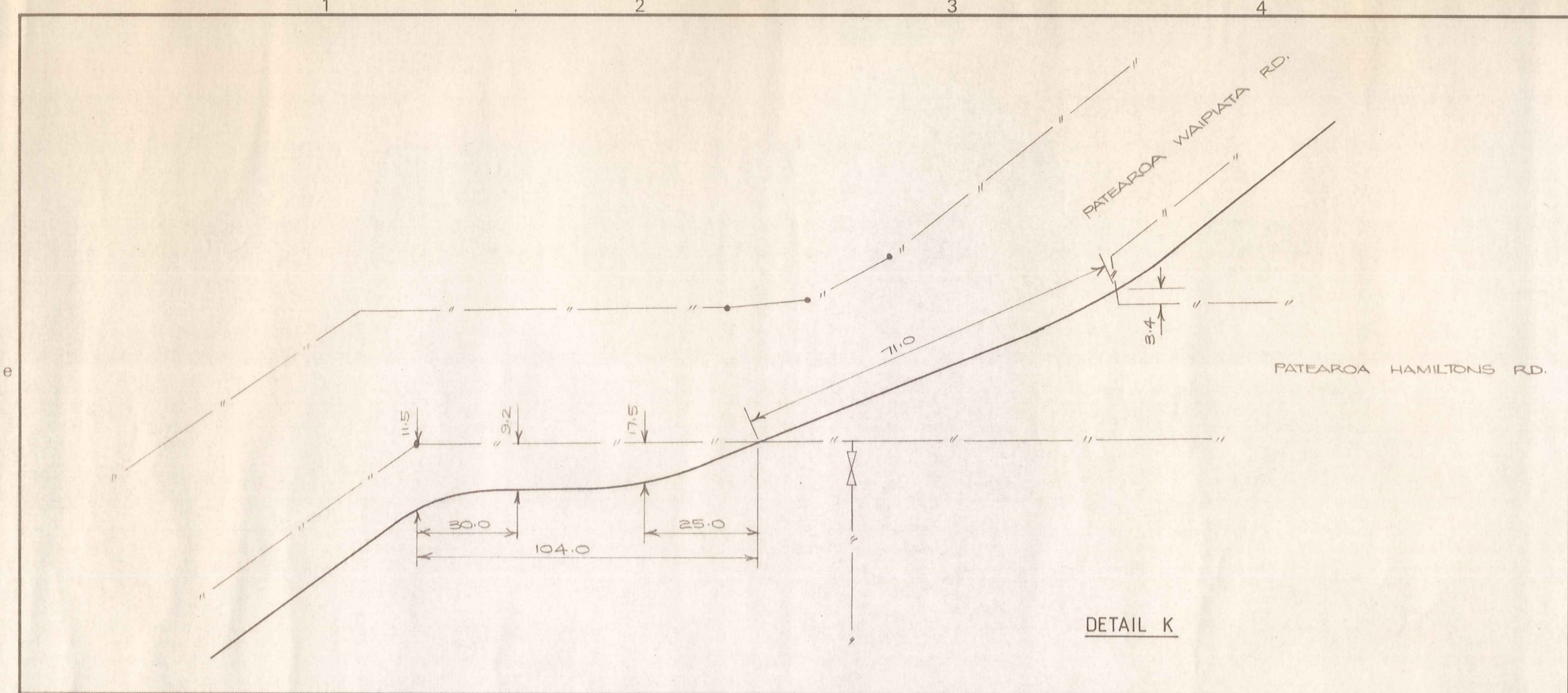
ORIGINAL SIZE
mm INCHES

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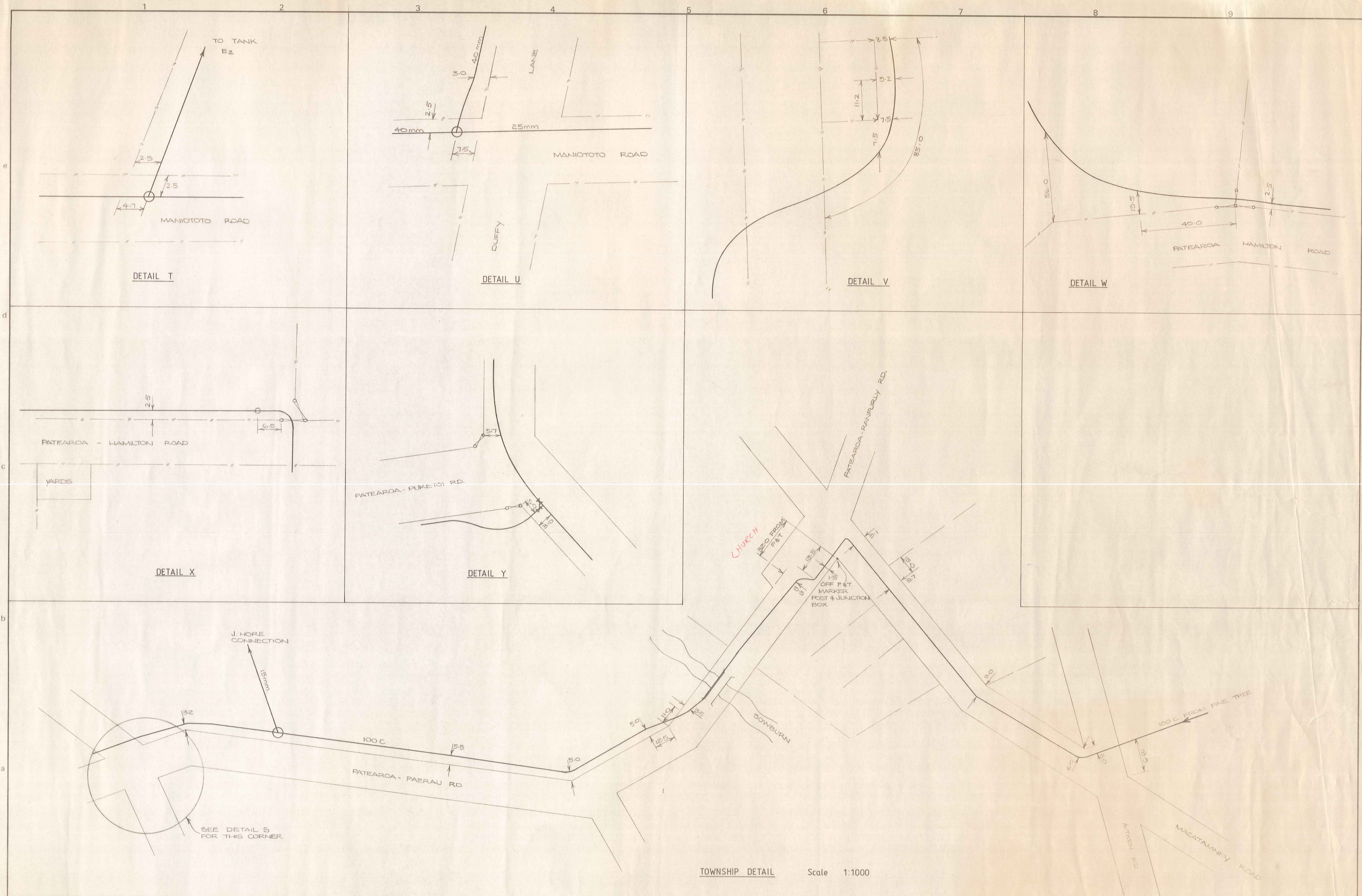
MANIOTOTO COUNTY COUNCIL

PATEAROA RURAL WATER SUPPLY
DIAGRAMMATIC LAYOUT OF PIPE FITTINGS
FOR OFF FARM WORK

AMENDMENTS			NAME		DATE	JOB NO	Sheet No
NO	BY	DATE	Appvd	Surveyed	8/10/11	7403	12 A+B
A	DW	11/11/11		Drawn	11/11/11		
				Calculations	11/11/11		
				Traced	11/11/11		
				Checked	11/11/11		
				Approved	11/11/11		



300
200
150
100
50
30
10
0
mm
INCHES



TOWNSHIP DETAIL Scale 1:1000

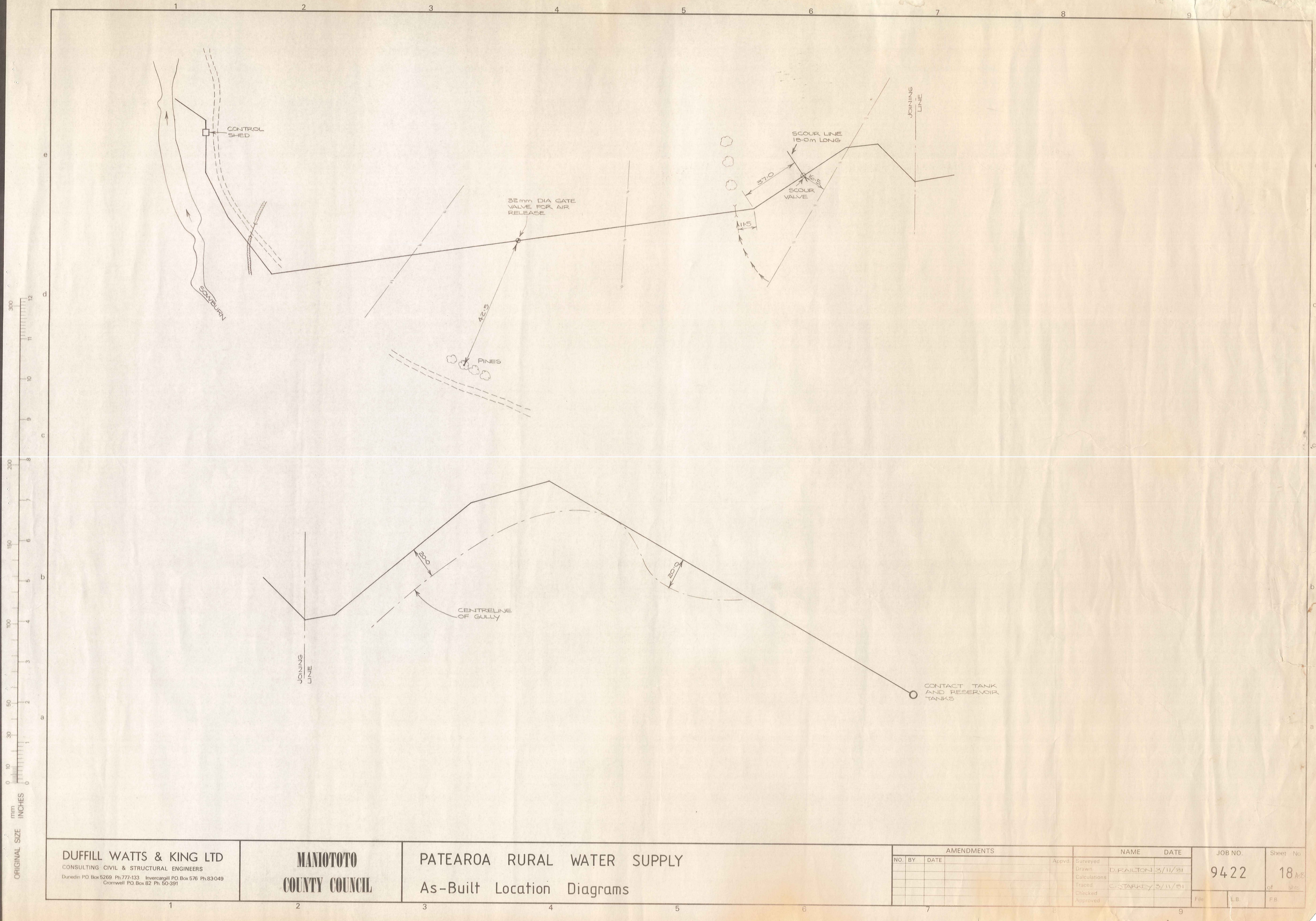
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Cromwell PO Box 82 Ph. 50-391

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PATEAROA RURAL WATER SUPPLY
As-Built Location Diagrams

AMENDMENTS				NAME		DATE	JOB NO.	Sheet No.
NO.	BY	DATE	Appvd.	Drawn			9422	17 _{A&B}
				Calculations				of 18
				Traced	C. STARKEY	OCT. 1981		
				Checked				
				Approved				

1 2 3 4 5 6 7 8 9



ORIGINAL SIZE
mm INCHES
0 10 20 30 40 50 60 70 80 90 100 110 120
0 1 2 3 4 5 6 7 8 9 10 11 12

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PATEAROA RURAL WATER SUPPLY
As-Built Location Diagrams

AMENDMENTS				NAME		DATE	JOB NO.	Sheet No	
NO.	BY	DATE	Appvd.	Surveyed	Drawn				
					D. RALTON	3/11/81	9422	18	
					Calculations				
					Checked	C. STARKY 3/11/81			
					Approved				
							File	L.B.	F.B.