

Scale 1" = 400 ft

DUFFILL WATTS & KING
 CONSULTING CIVIL & STRUCTURAL ENGINEERS
 Dunedin P.O. Box 5269, Ph. 77-240 Invercargill P.O. Box 576, Ph. 3049
 Balclutha P.O. Box 220, Phone 1425

CROMWELL
BOROUGH COUNCIL

WATER RETICULATION LOAN REPORT 1973

AMENDMENTS				Appvd	NAME	DATE	JOB NO.	Sheet No
NO	BY	DATE	DESCRIPTION				6692	of shts
A	W.D.	26/1/73	MOLYNEUX AVE: Existing 4" added					
B	W.D.	29/1/73	LITANY STREET: Proposed 6" changed to 4"		G.R. Gillespie			
							File 9/33	L.B.
						April 1973		F.B.

SCHEDULE OF SPECIALS

CROSSES		VALVES	
C ₁	8" x 6"	V ₁	10"
C ₂	6" x 6"	V ₂	9"
C ₃	6" x 4"	V ₃	8"
C ₄	4" x 4"	V ₄	6"
C ₅	8" x 4"	V ₅	4"

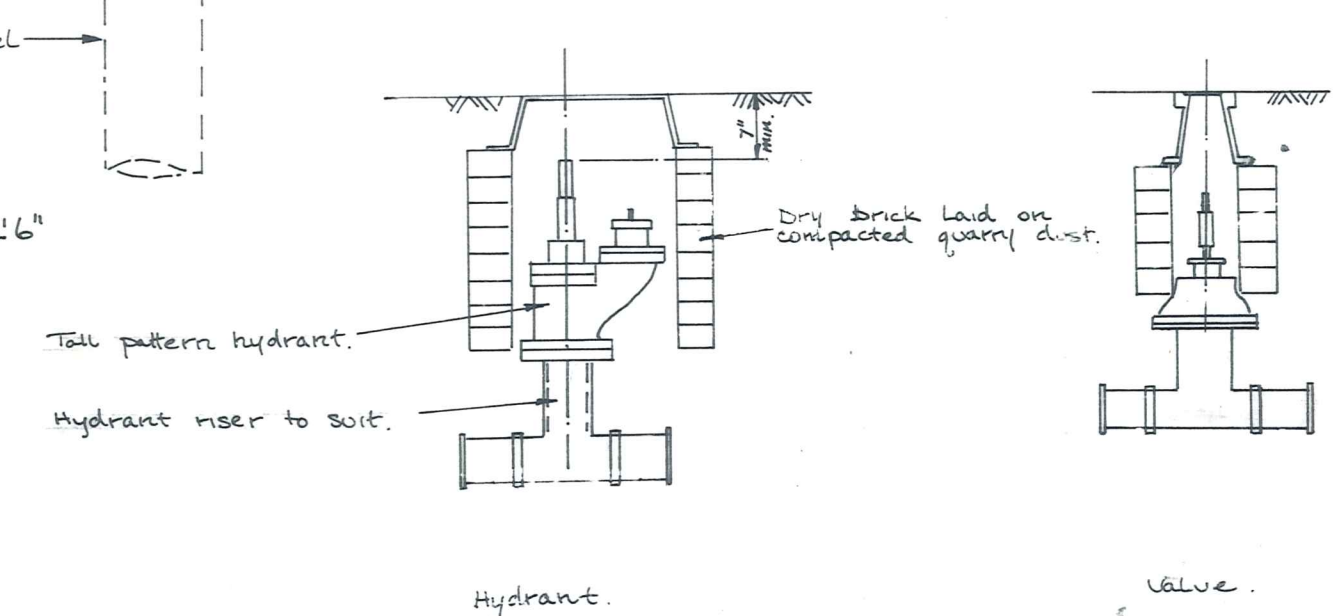
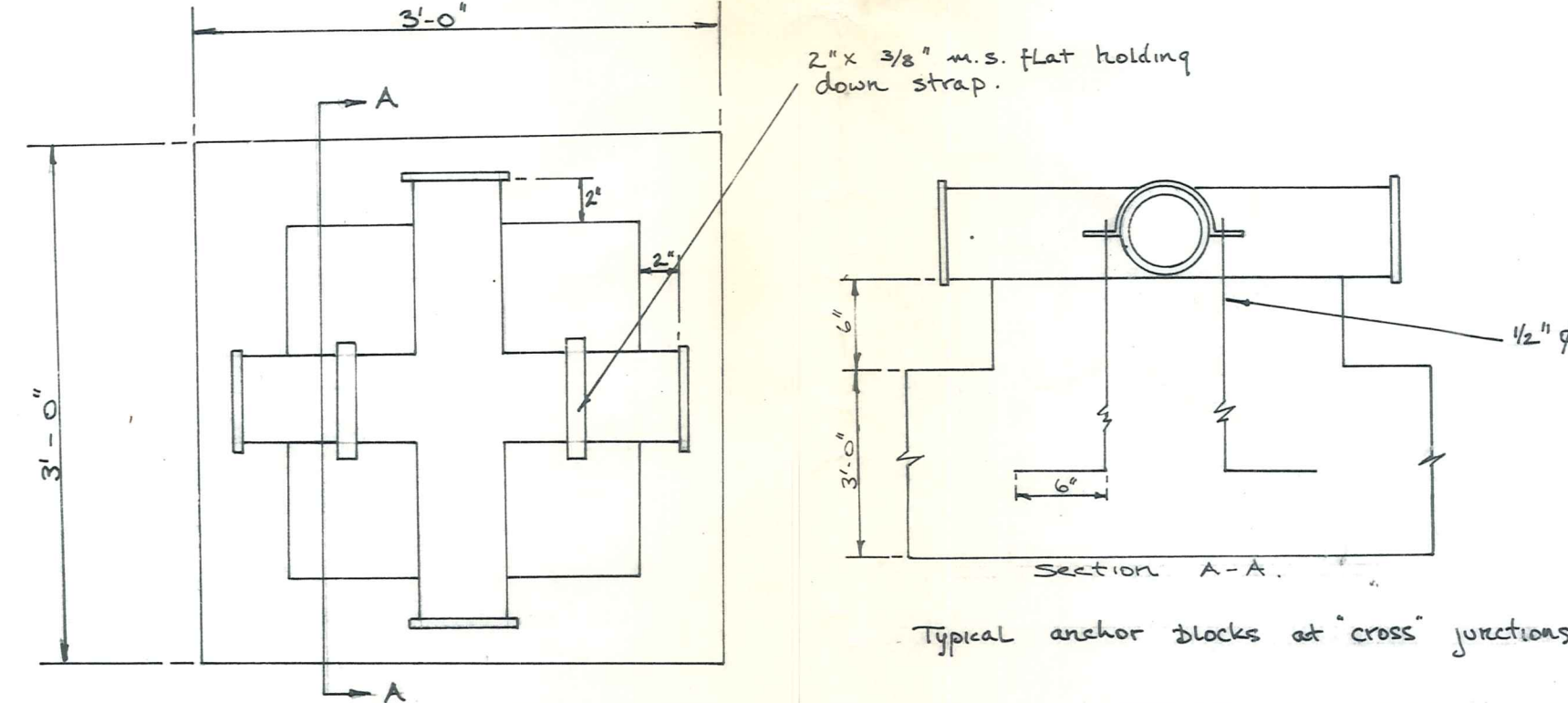
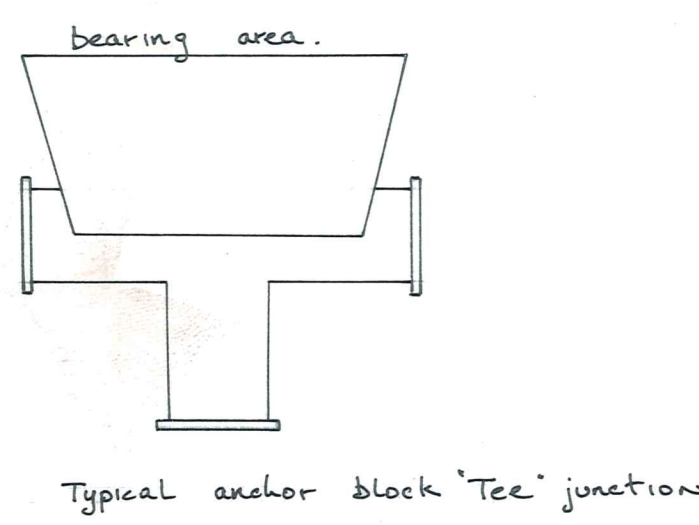
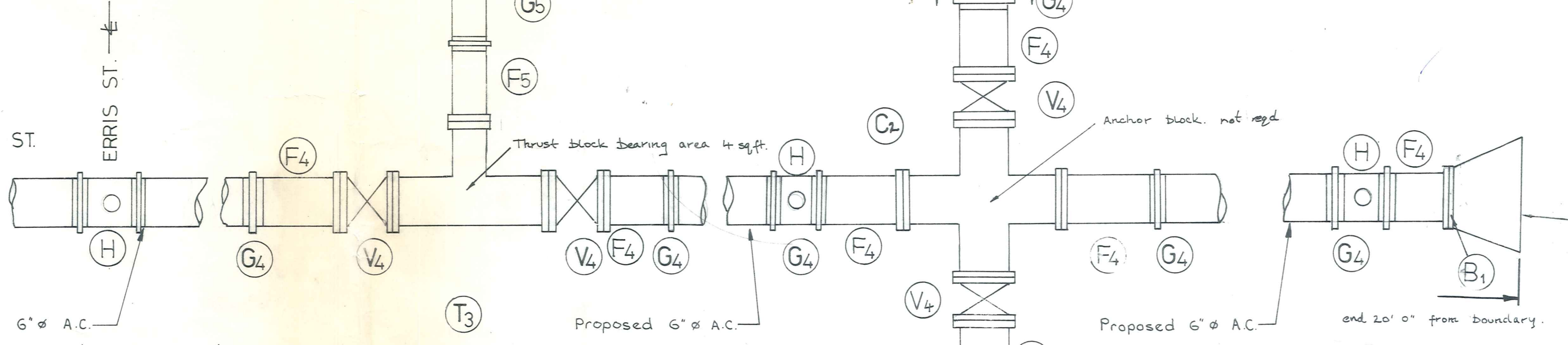
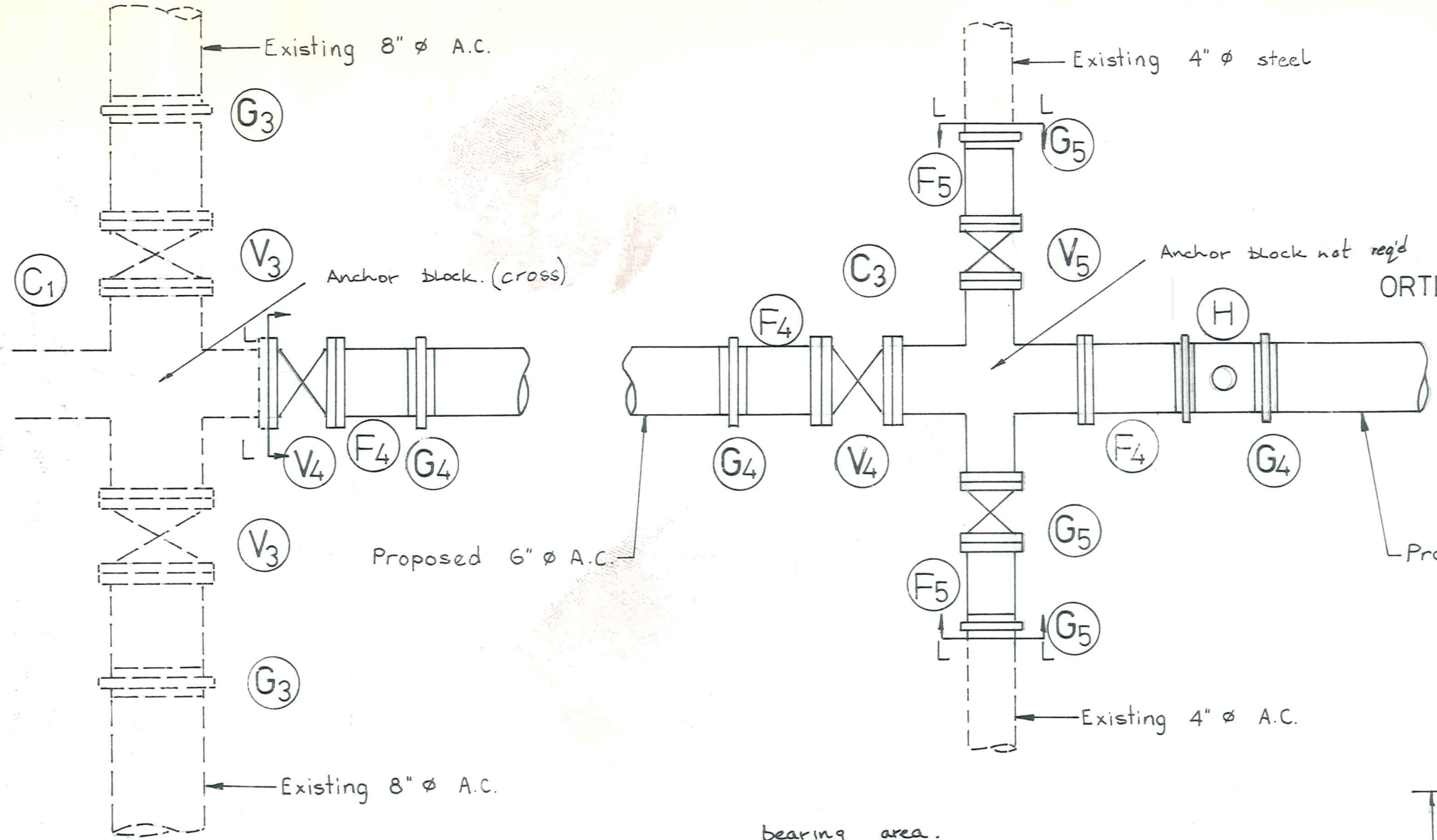
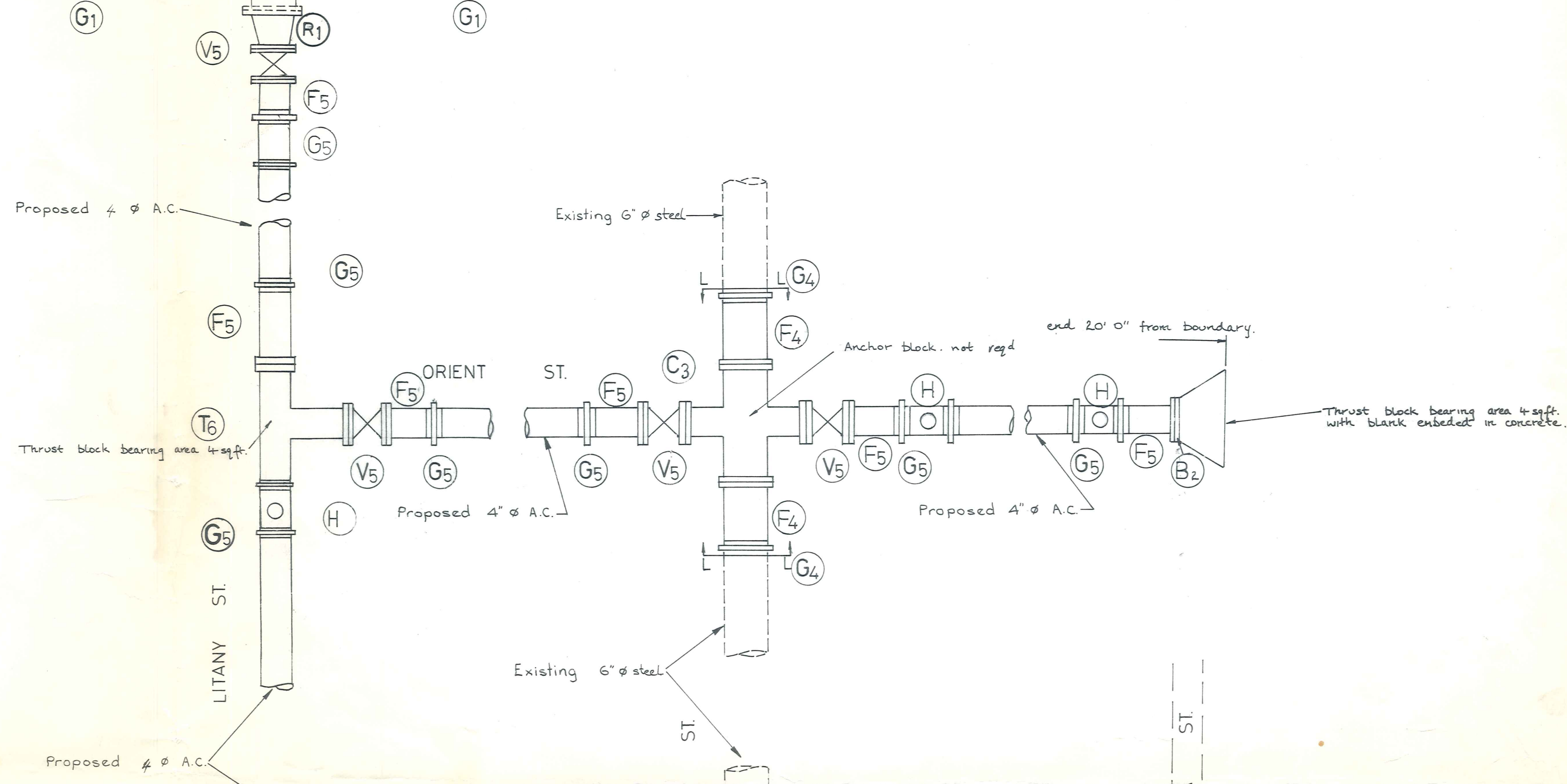
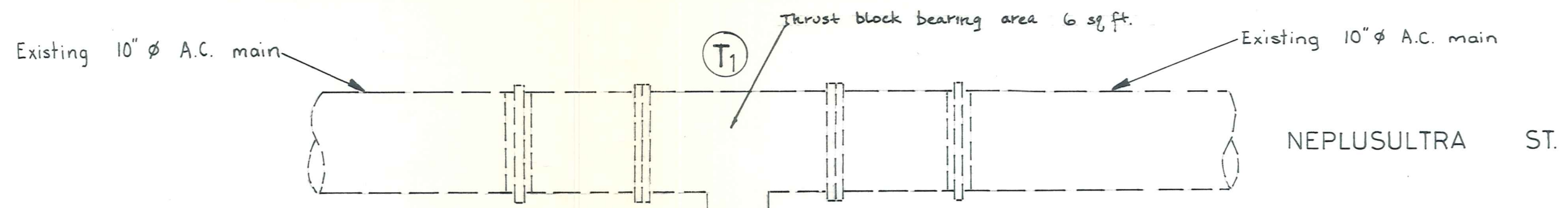
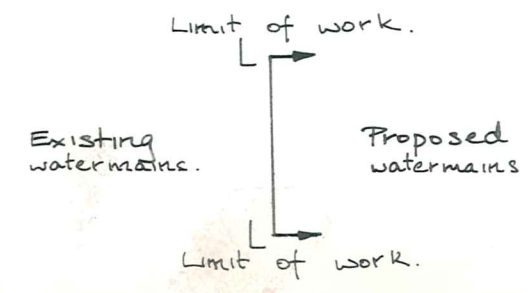
TEES		GIBALT JOINTS	
T ₁	6" x 10"	G ₁	10"
T ₂	6" x 8"	G ₂	9"
T ₃	6" x 6"	G ₃	8"
T ₄	6" x 4"	G ₄	6"
T ₅	4" x 9"	G ₅	4"
T ₆	4" x 4"		

REDUCERS	
BLANK FLANGE	R ₁ 6" x 4"
B ₁	6"
B ₂	4"

HYDRANT TEE	
H	

FLANGED ADAPTOR	
F ₄	6"
F ₅	4"

NB: Stippled lines existing watermains.
Solid lines proposed watermains.
Drawings not to scale.



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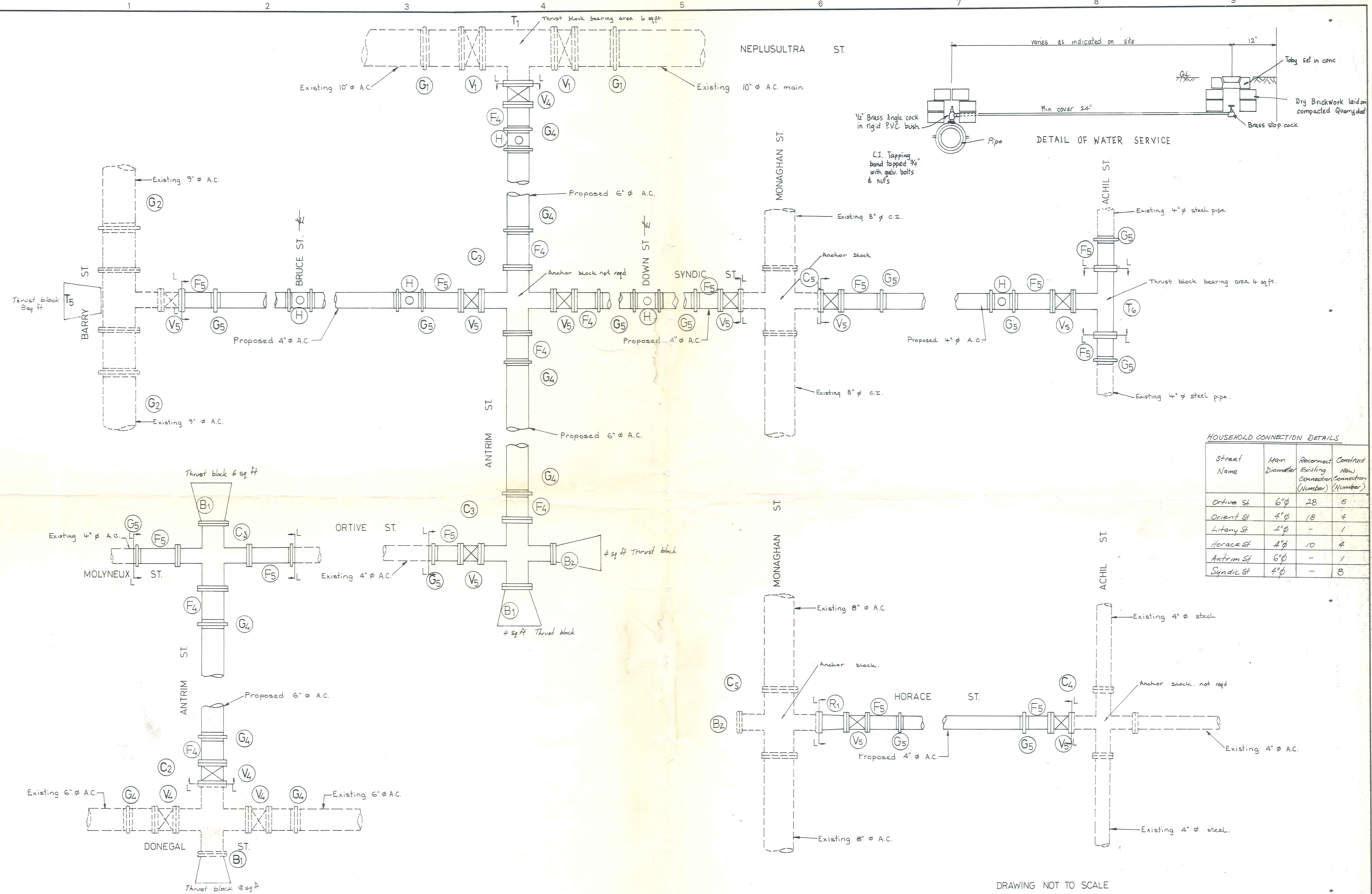
CROMWELL BOROUGH COUNCIL

WATERMAIN EXTENSIONS 1973/74

AMENDMENTS				NAME		DATE	JOB NO.	Sheet No.	
NO.	BY	DATE	Appvd.	Surveyed	Drawn	Calculations	6754	1	
				A. Lewis		Sept 73			
				Blaney		Oct 73			
							File 9/38	L.B.	F.B.

ORIGINAL SIZE IN INCHES

ORIGINAL SIZE INCHES



HOUSEHOLD CONNECTION DETAILS

Street Name	Main Diameter	Reconnect Existing Connection (Number)	Construct New Connection (Number)
Ortive St.	6"φ	28	5
Orient St.	4"φ	18	4
Litany St.	4"φ	-	1
Horace St.	4"φ	10	4
Antrim St.	6"φ	-	1
Syndic St.	4"φ	-	8

DRAWING NOT TO SCALE

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				NO.	BY	DATE	Appvd.	Surveyed	
					Drawn	A. Lewis	Sept 73	File 9/38	L.B.
					Calculations				
					Traced	Alansey	Oct 75		
					Checked				
					Approved	Chandler	Nov 73		