



300  
200  
150  
100  
50  
0  
mm  
INCHES  
ORIGINAL SIZE

'ORIGINAL'

*Handwritten signatures and initials in blue ink.*

**DUFFILL WATTS & KING**  
CONSULTING CIVIL & STRUCTURAL ENGINEERS  
Dunedin P.O. Box 5269 Ph. 77-240 Invercargill P.O. Box 676 Ph. 3049  
Balclutha P.O. Box 220 Phone 1425

**CROMWELL**  
**BOROUGH COUNCIL**

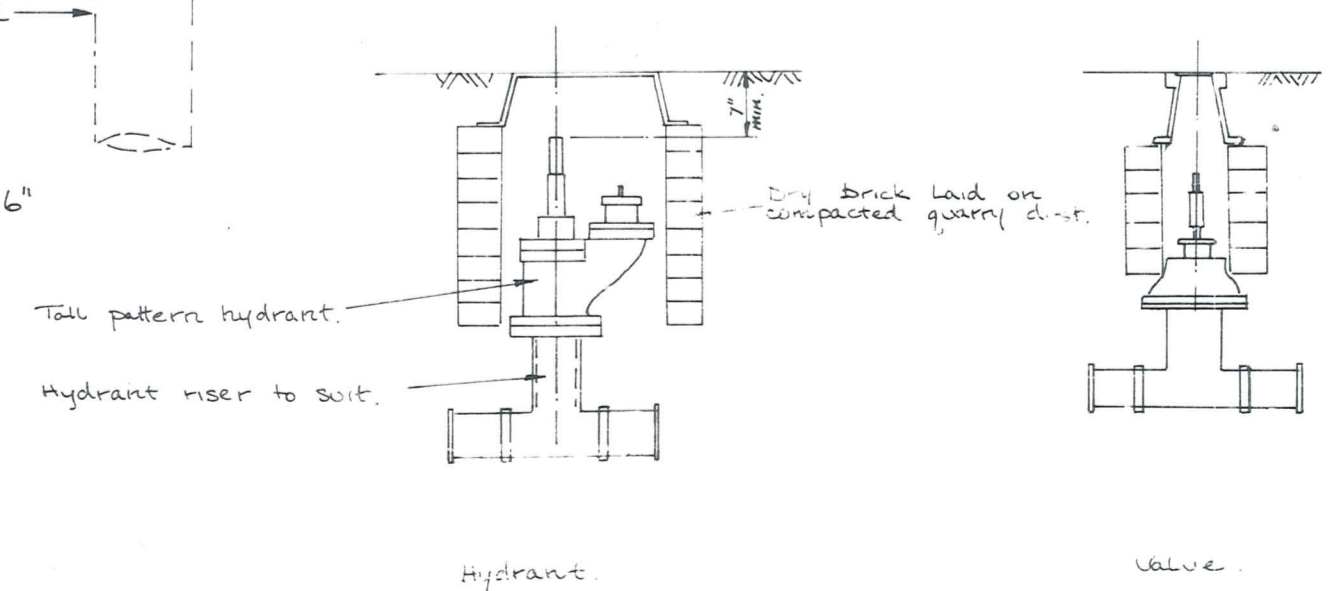
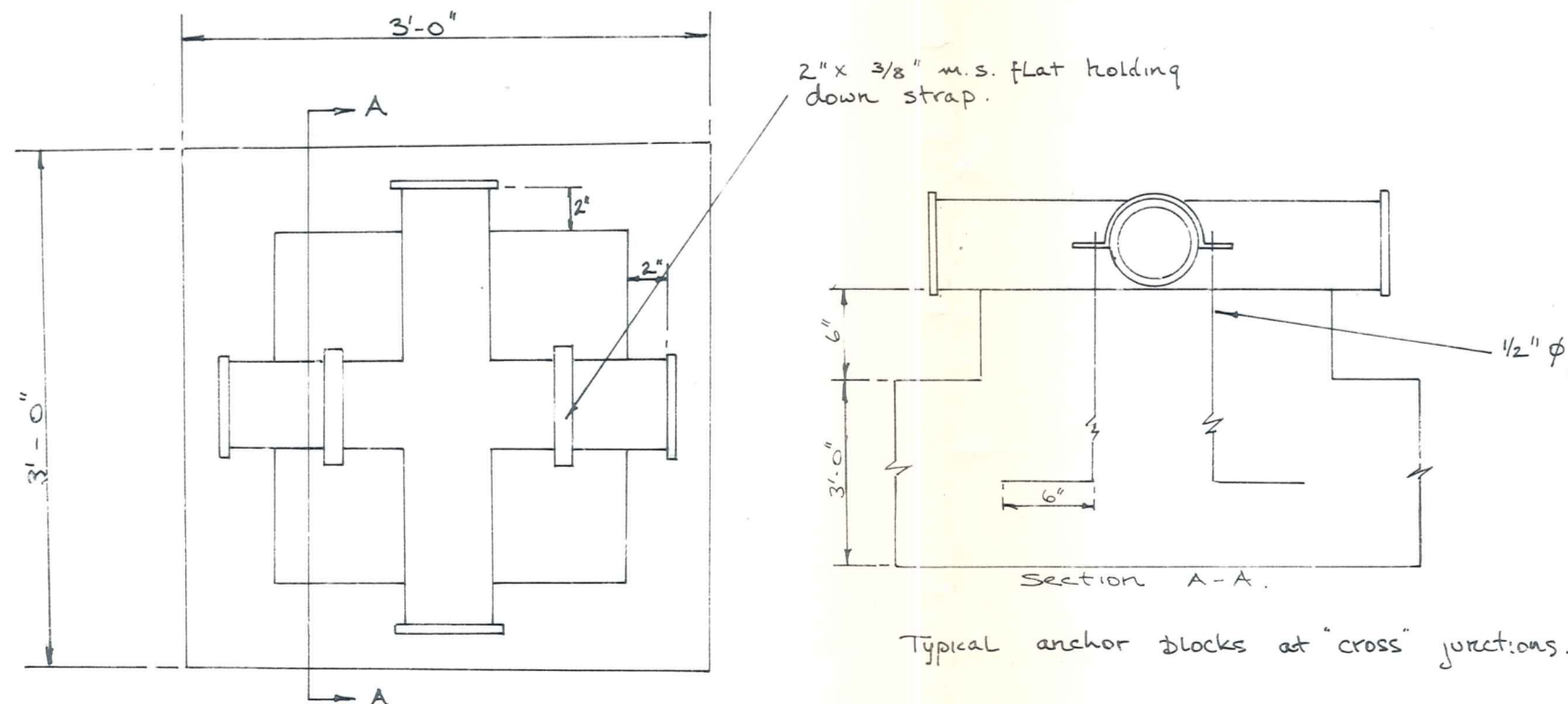
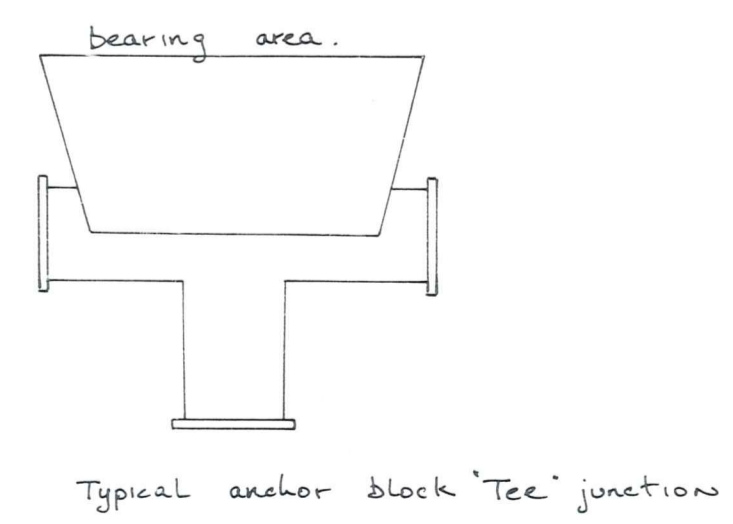
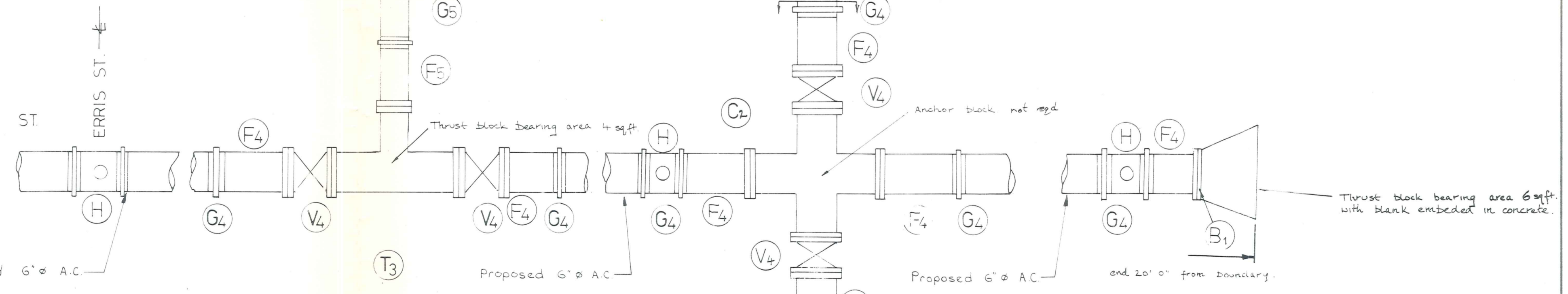
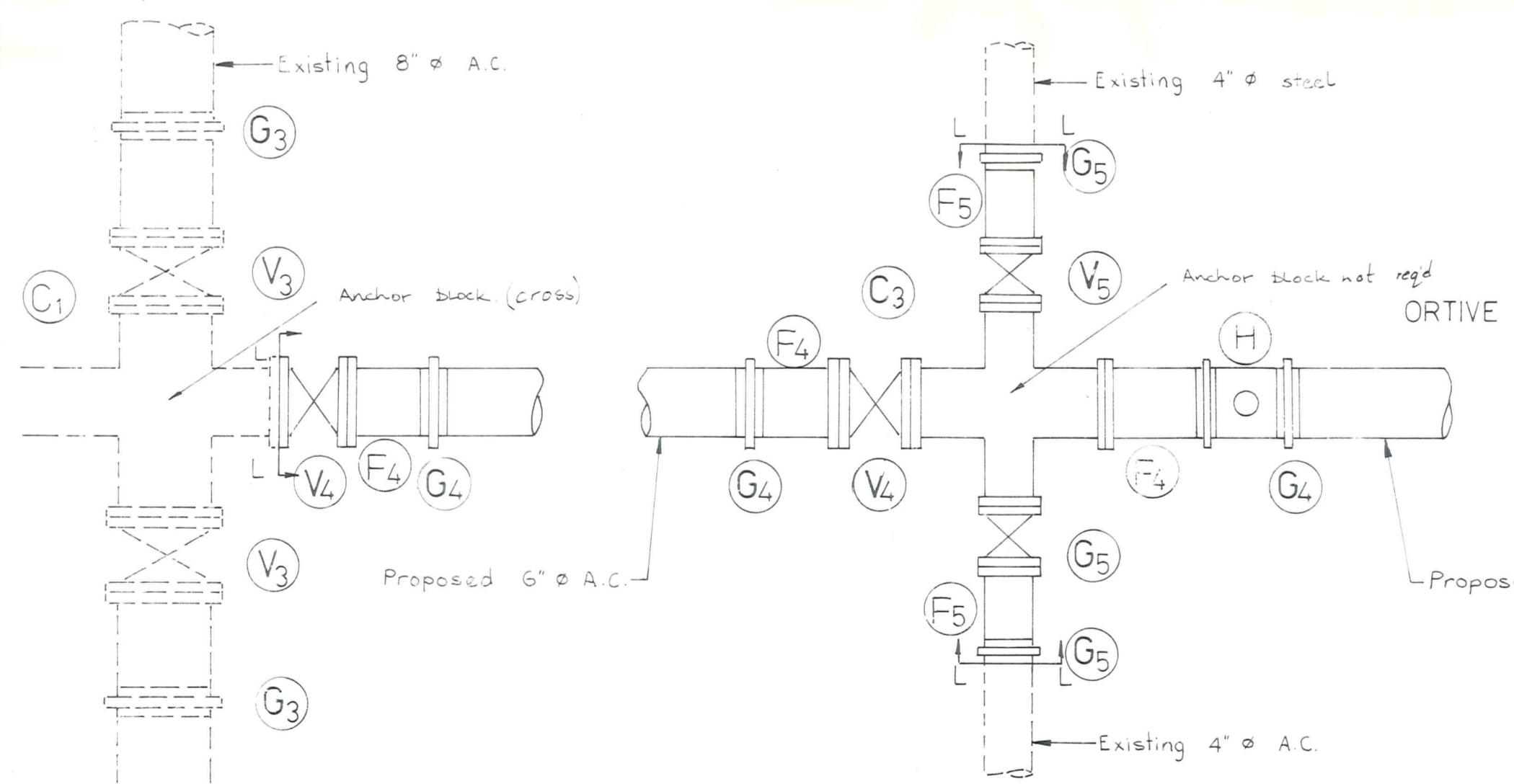
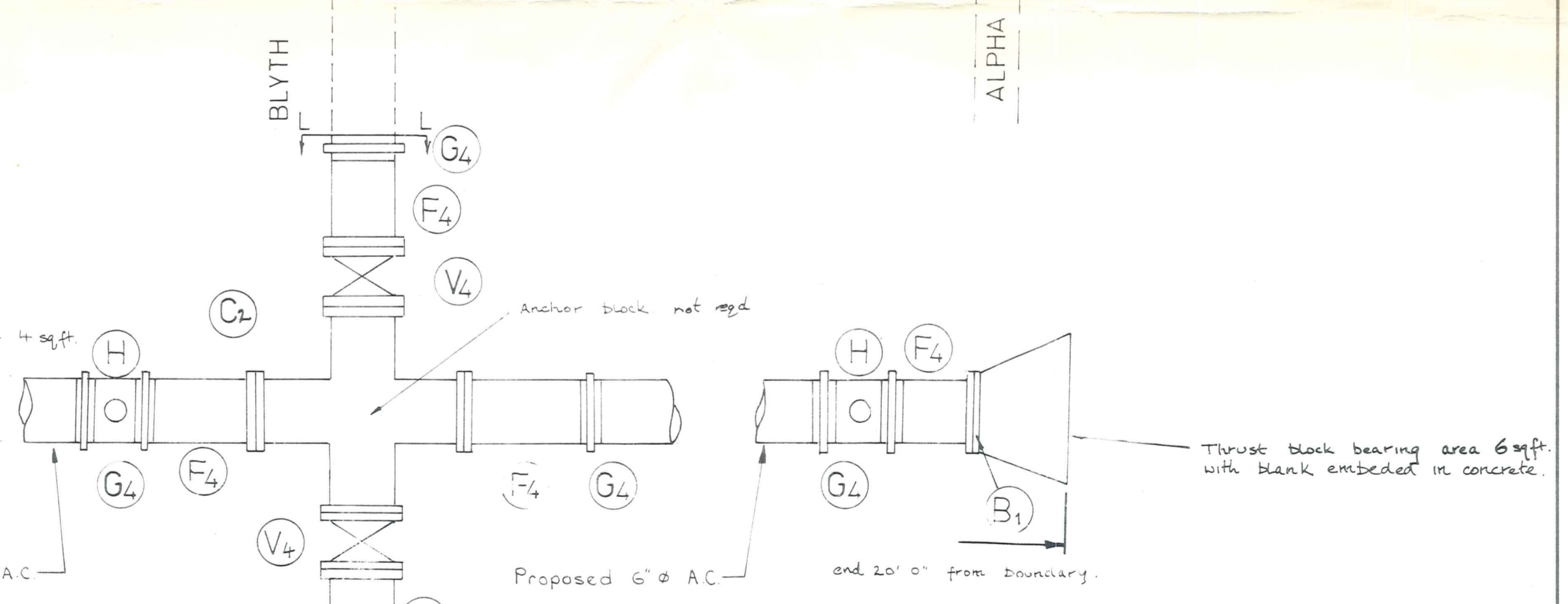
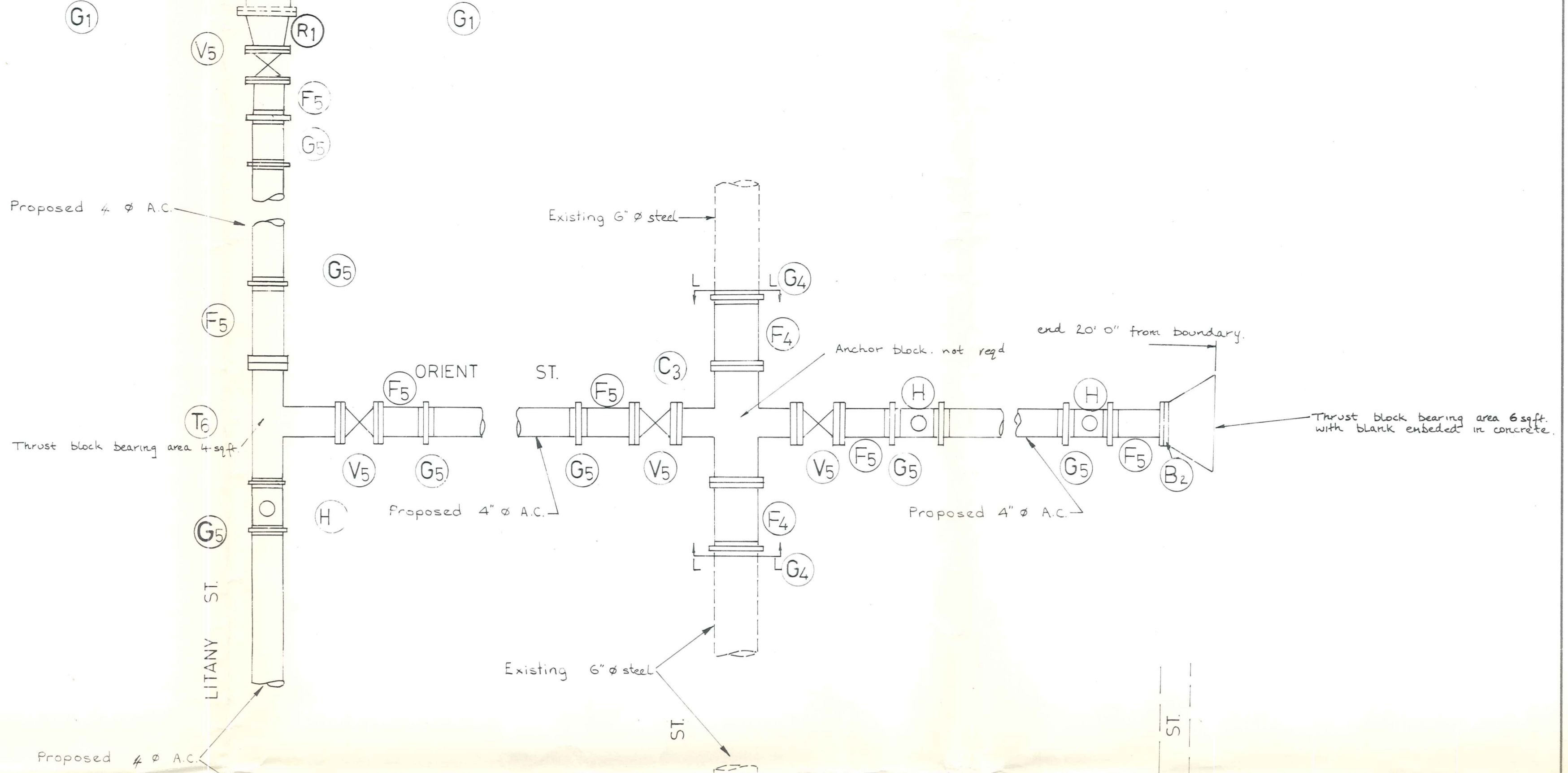
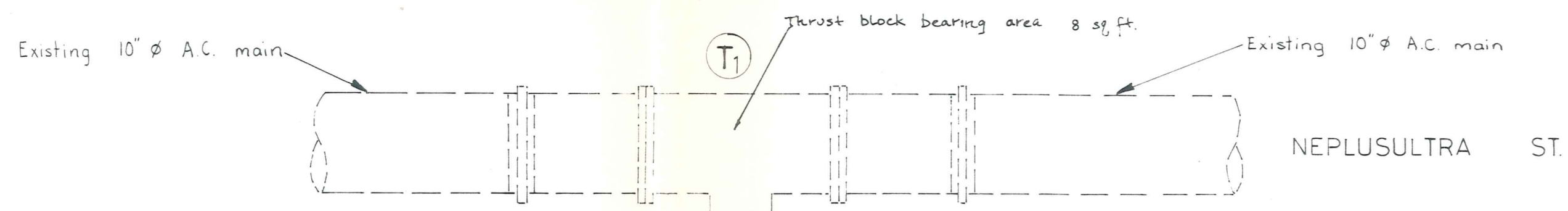
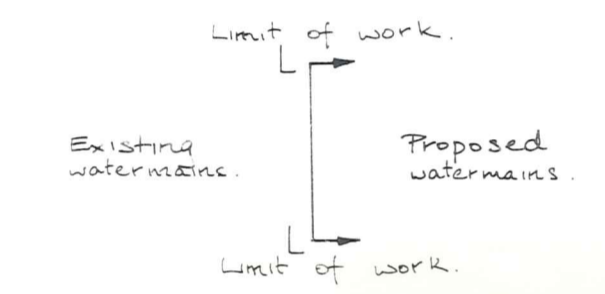
**WATER RETICULATION LOAN REPORT 1973**

AMENDMENTS			NAME	DATE	JOB NO.	SH	NY
NO	BY	DATE			6692		
A	SRG	26/11/73	MALNEUX AVE: Existing 4" added				
B	SRG	26/11/73	LITANY STREET: Proposed 4" changed to 4 1/2"				
			Checked: SRG				
			Approved: [Signature]		9/83	B	FB

**SCHEDULE OF SPECIALS**

CROSSES		VALVES	
C1	8" x 6"	V1	10"
C2	6" x 6"	V2	9"
C3	6" x 4"	V3	8"
C4	4" x 4"	V4	6"
C5	8" x 4"	V5	4"
TEES		GIBALTY JOINTS	
T1	6" x 10"	G1	10"
T2	6" x 8"	G2	9"
T3	6" x 6"	G3	8"
T4	6" x 4"	G4	6"
T5	4" x 9"	G5	4"
T6	4" x 4"		
REDUCERS		HYDRANT TEE	
BLANK FLANGE R1 6" x 4"		H	
B1	6"		
B2	4"		
FLANGED ADAPTOR			
F4	6"		
F5	4"		

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



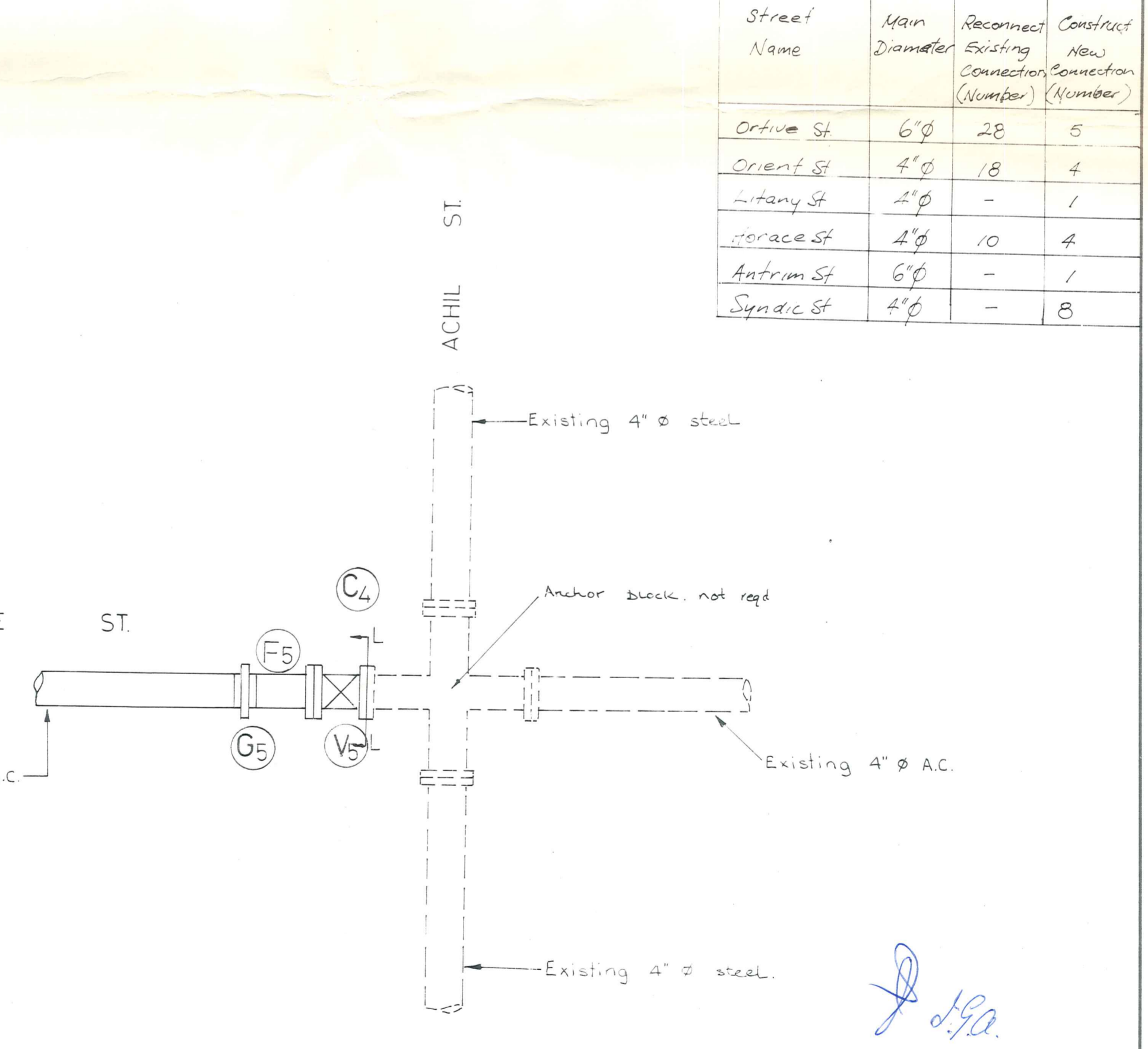
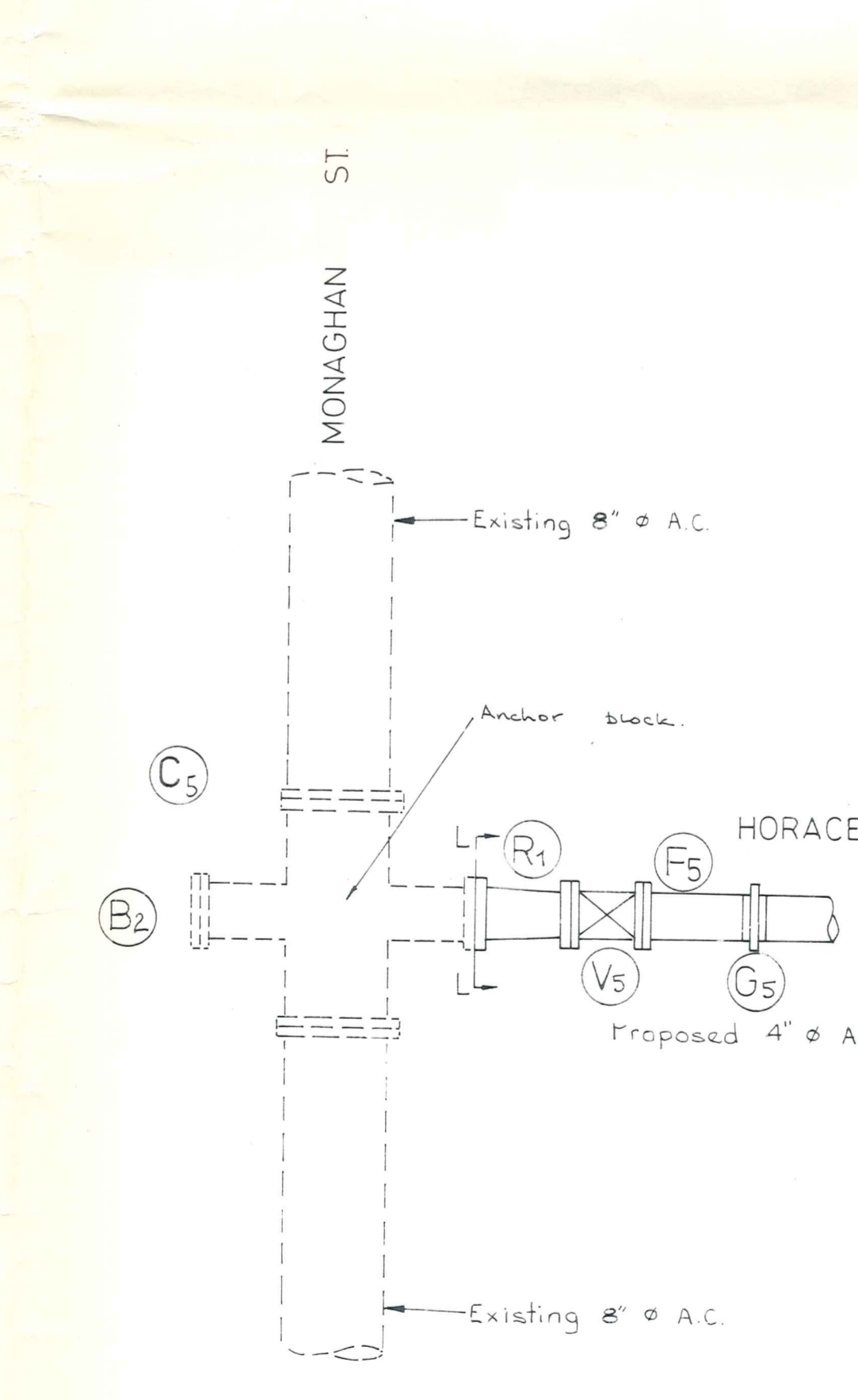
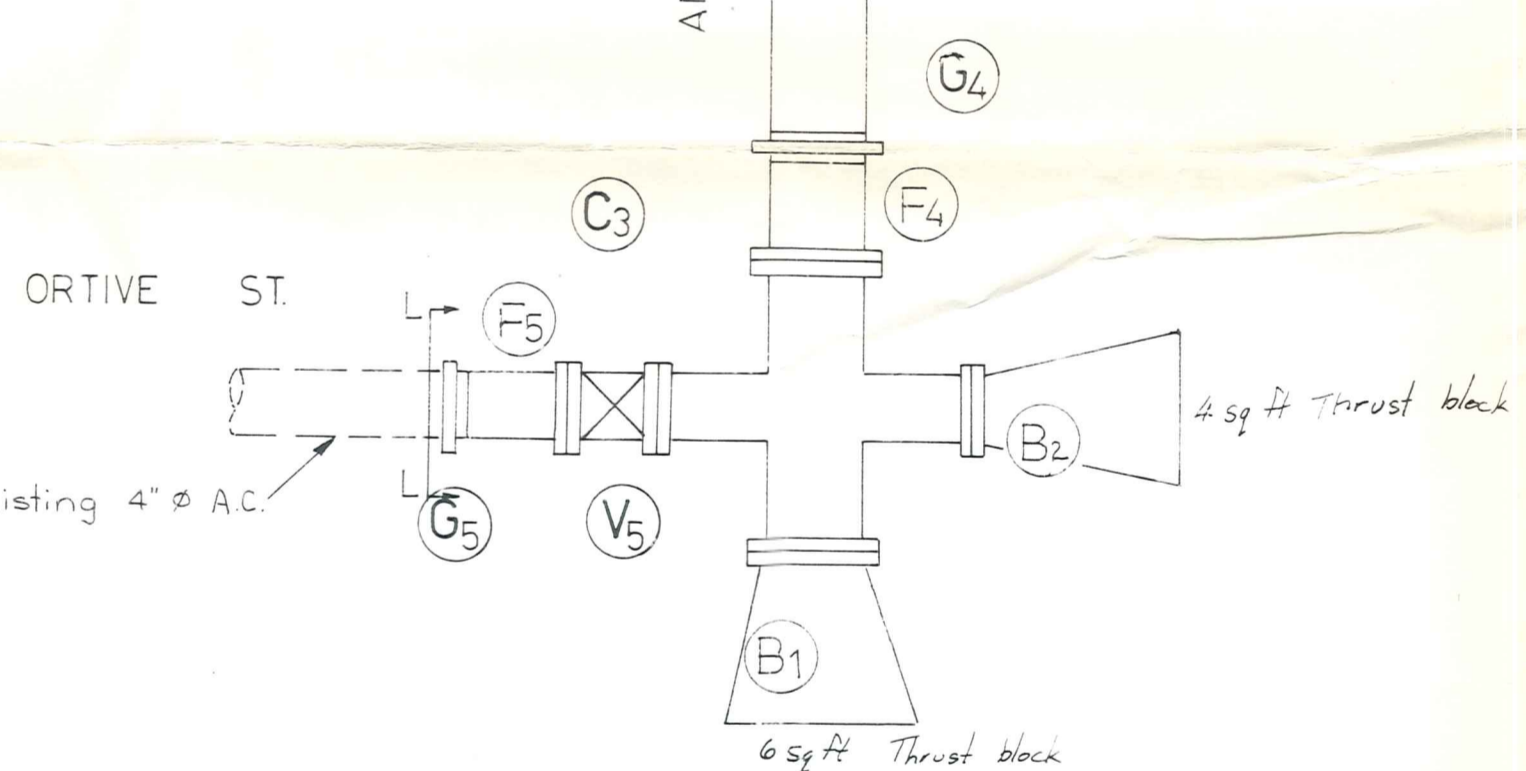
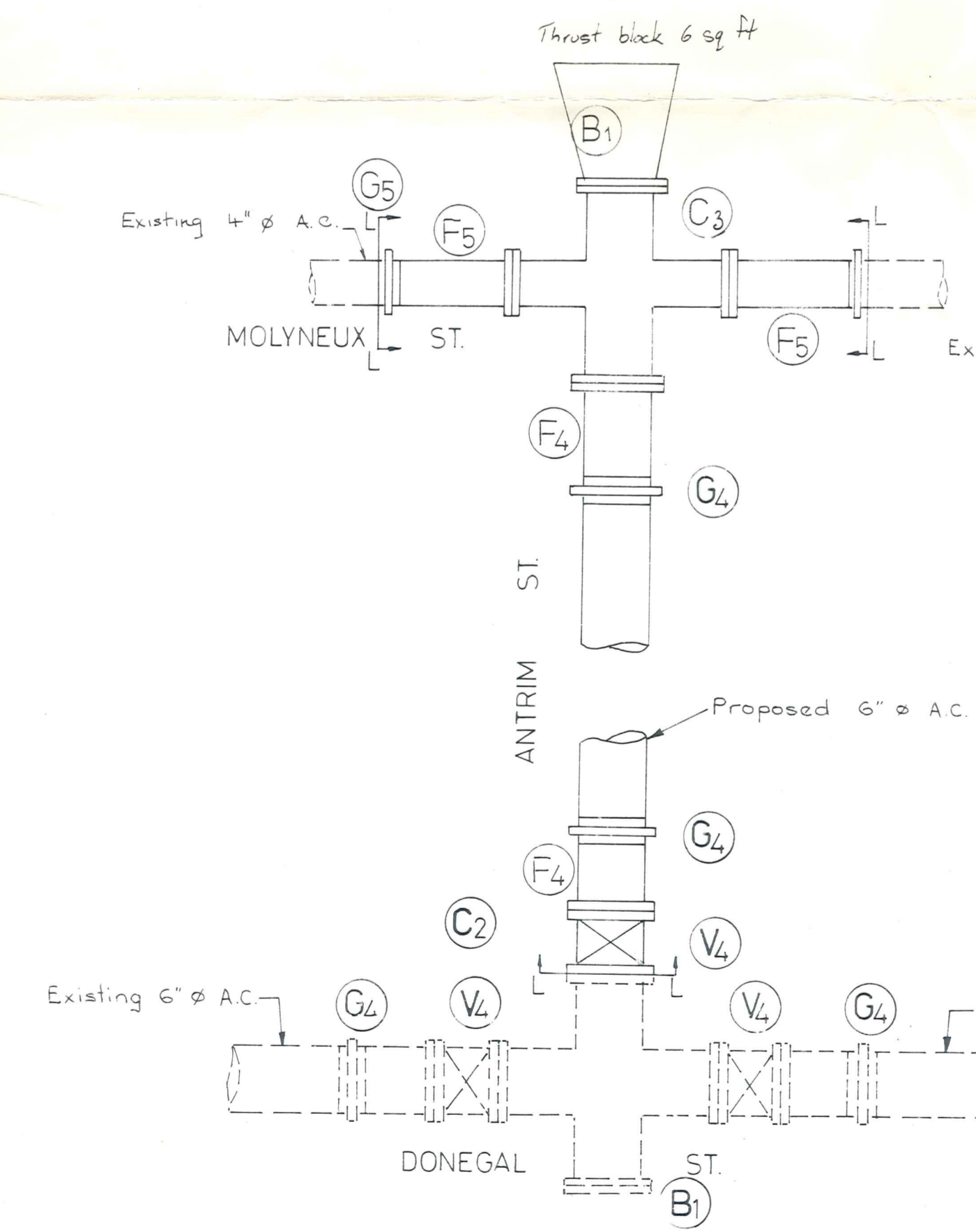
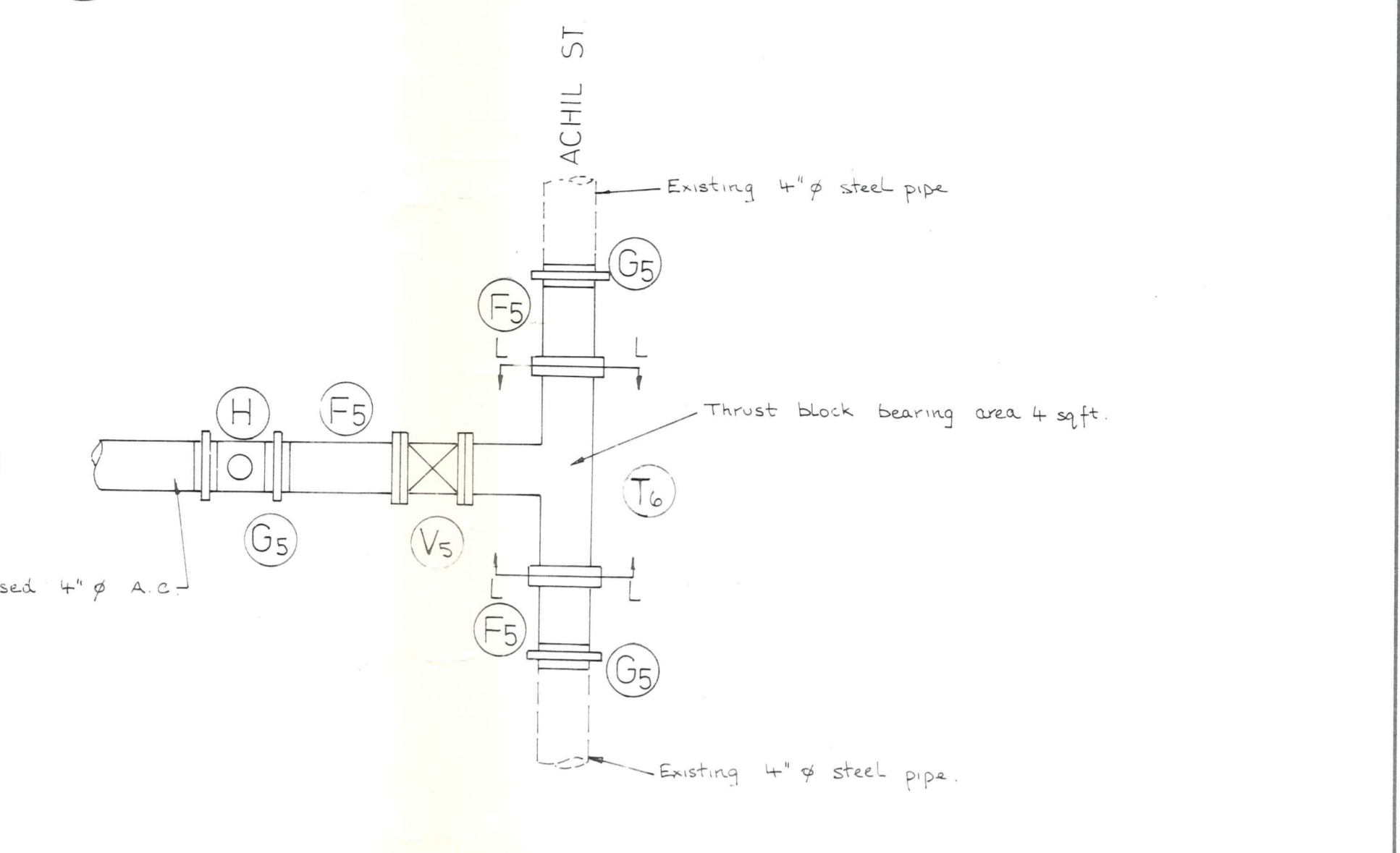
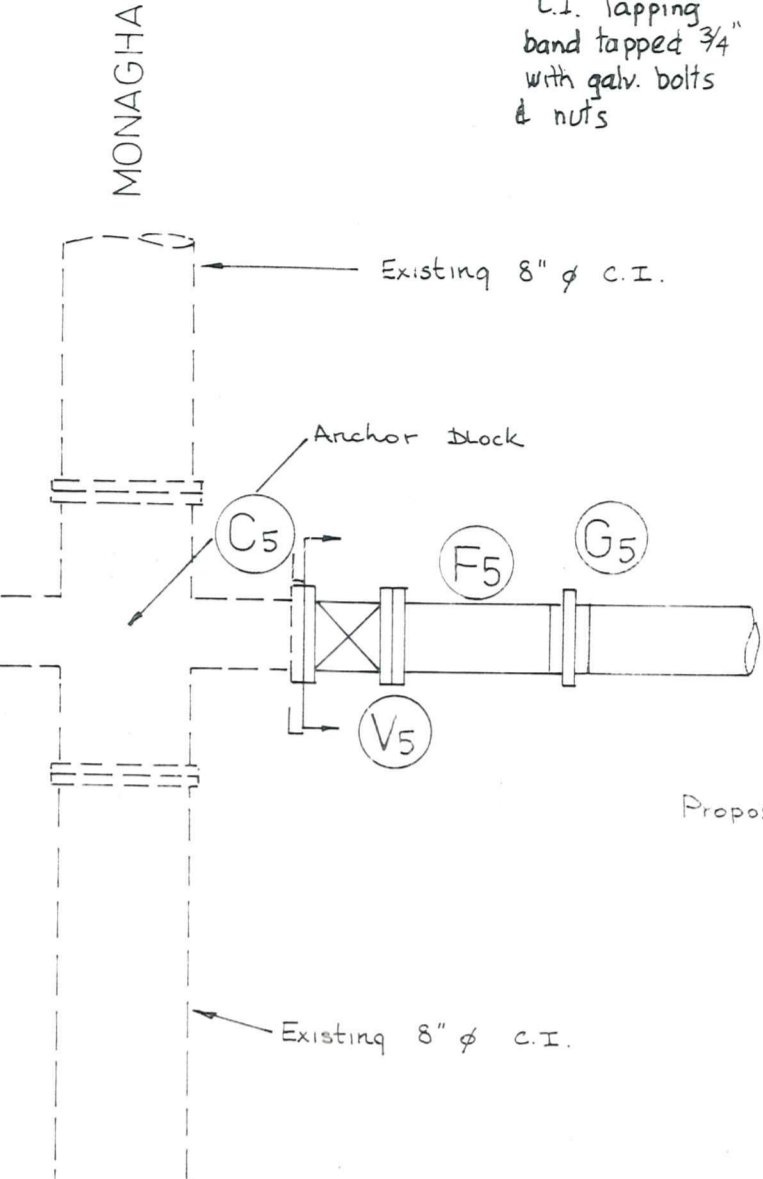
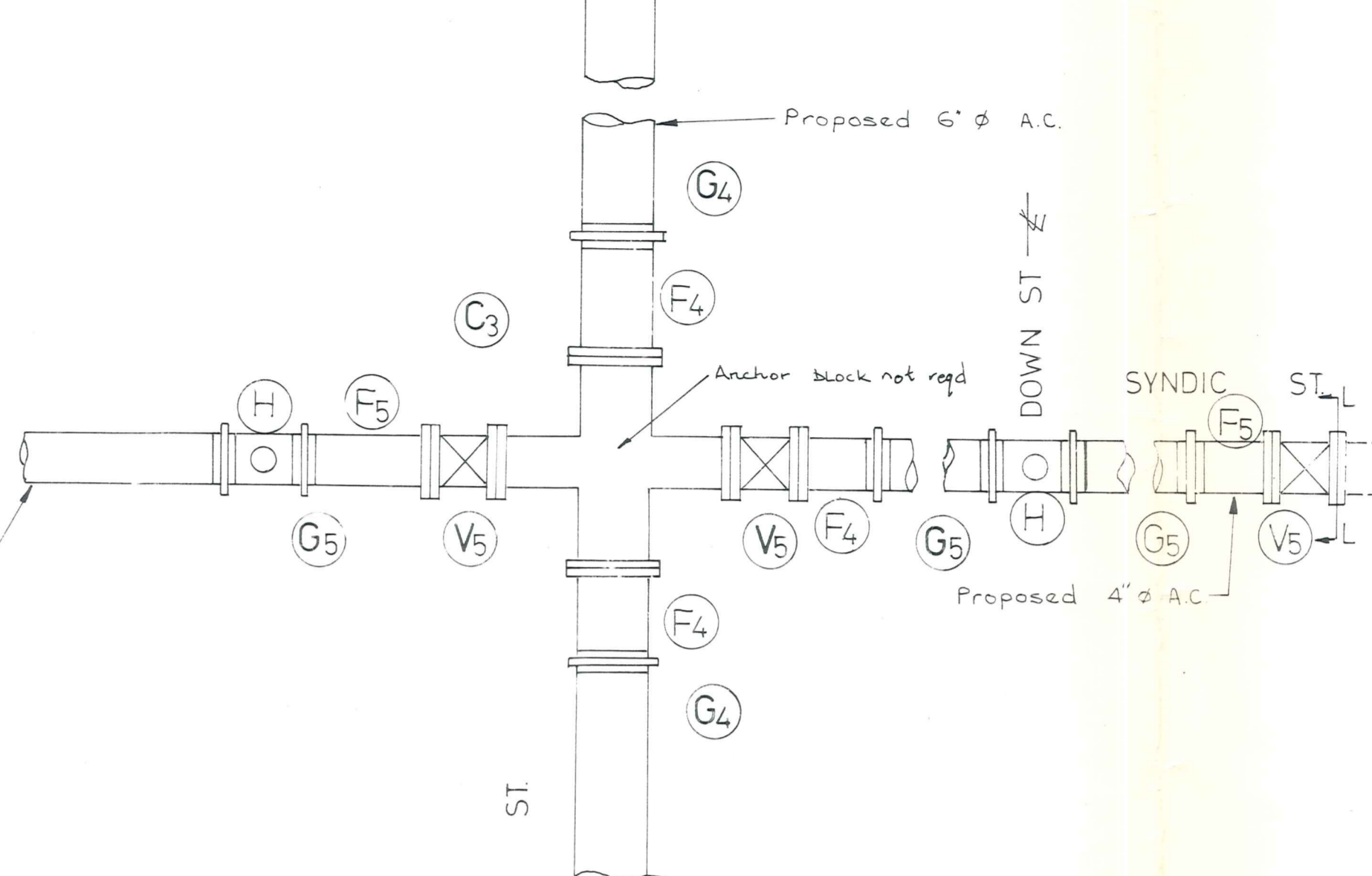
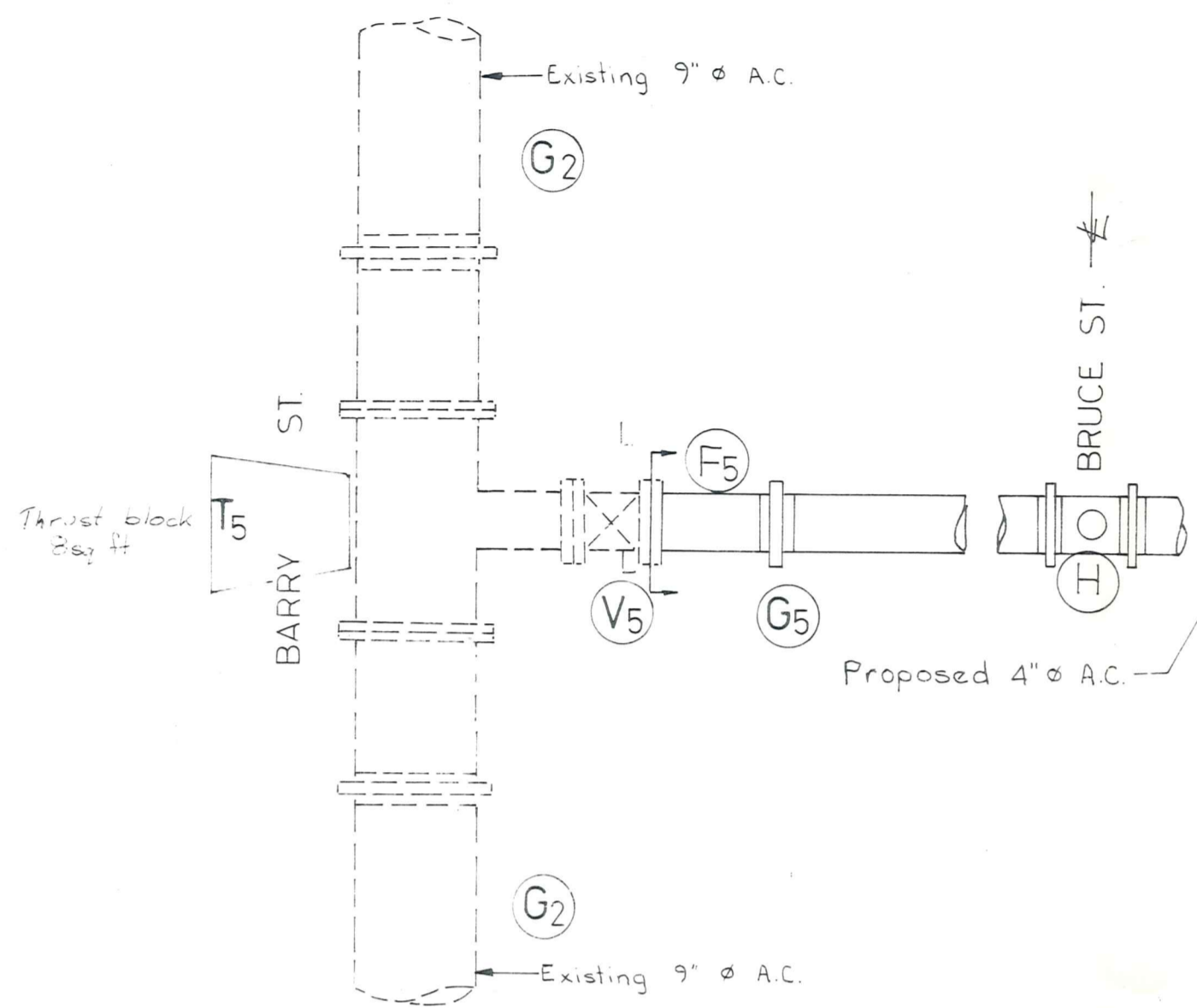
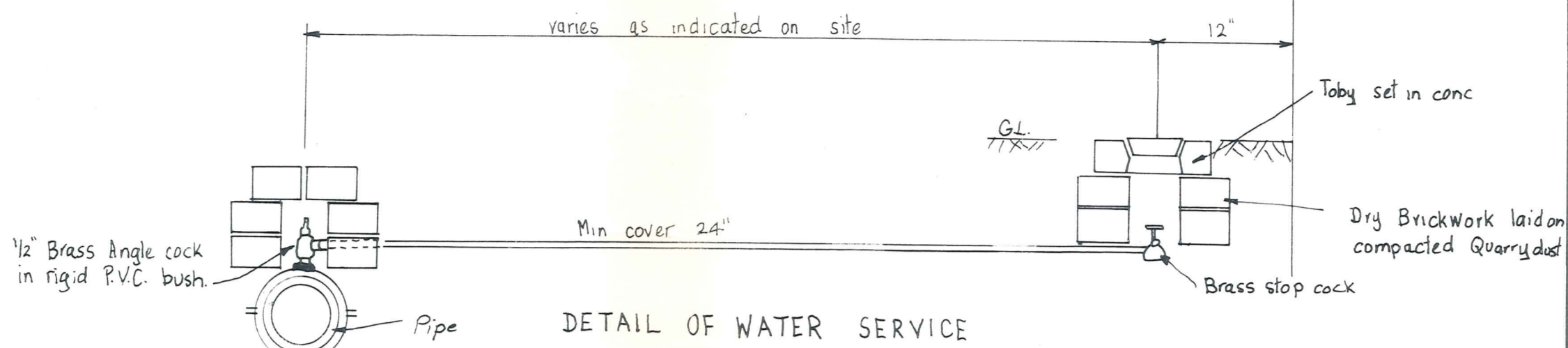
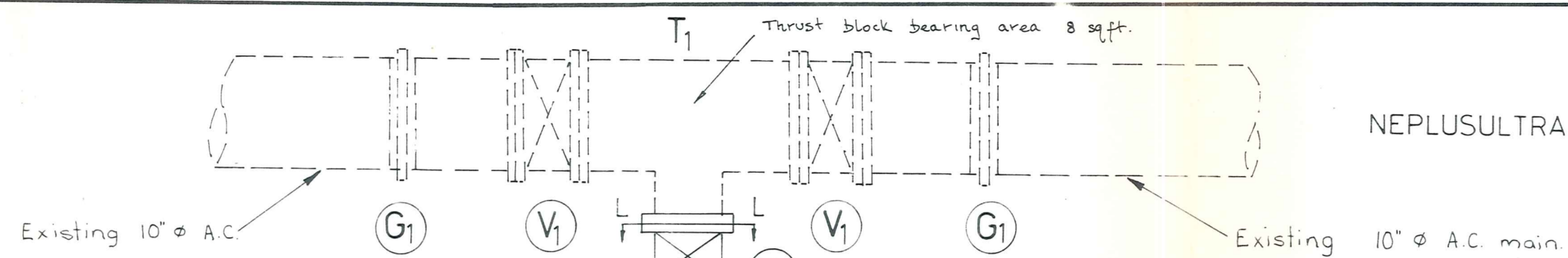
**DUFFILL WATTS & KING**  
CONSULTING CIVIL & STRUCTURAL ENGINEERS  
Dunedin P.O. Box 5269, Ph. 77-240 Invercargill P.O. Box 576 Ph. 3049  
Christchurch 139 Clyde Rd. Ph. 515-901

**CROMWELL BOROUGH COUNCIL**

**WATERMAIN EXTENSIONS 1973/74**

AMENDMENTS			NAME	DATE	JOB NO.	Sheet No.
NO.	BY	DATE			6754	1
Appvd. <i>[Signature]</i>					Surveyed <i>[Signature]</i> Sept 73 Drawn <i>[Signature]</i> Calculations <i>[Signature]</i> Traced <i>[Signature]</i> Oct 73 Checked <i>[Signature]</i> Approved <i>[Signature]</i> Nov 73	of 3 sheets F.B.

*[Handwritten signatures]*



HOUSEHOLD CONNECTION DETAILS

Street Name	Main Diameter	Reconnect Existing Connection (Number)	Construct New Connection (Number)
Ortive St	6"φ	28	5
Oriente St	4"φ	18	4
Litany St	2"φ	-	1
Horace St	4"φ	10	4
Antrim St	6"φ	-	1
Syndic St	4"φ	-	8

DRAWING NOT TO SCALE

*J.S.P.*  
*W.P.*

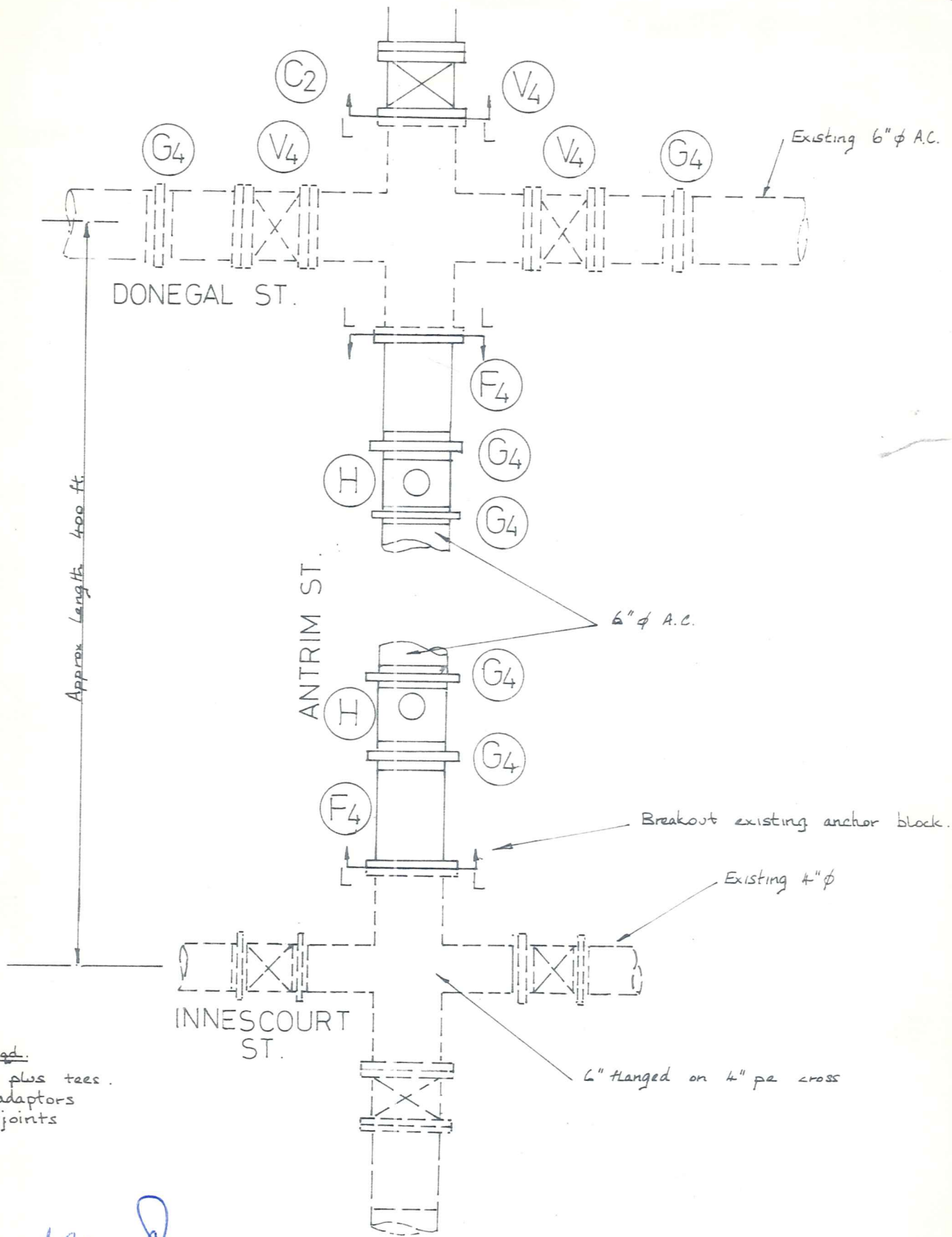
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Christchurch 139 Clyde Rd., Ph. 515-801

CROMWELL BOROUGH  
COUNCIL

WATERMAIN EXTENSIONS 1973/74

AMENDMENTS			NAME	DATE	JOB NO.	Sheet No.	
NO.	BY	DATE			6754	2	
			Surveyed	A. Lewis			Sept 73
			Drawn	Blaney			Oct 73
			Checked	Blaney			Nov 73
			Approved				
					File 9/38	L.B.	
					F.B.		

ORIGINAL SIZE INCHES



Specials reqd.  
 2 hydrants plus tees.  
 2 flanged adaptors  
 4 gibault joints

*Handwritten signatures and initials*

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 BOROUGH  
 COUNCIL

WATERMAIN EXTENSIONS 1973/74

ISSUED BY	<i>R. J. G. [Signature]</i>
DATE	Dec '73
FILE No.	9/38.

JOB No.  
 6754/13