

~~Bearings Vol 2 No 2~~

1987.328.253

AHB

Series 149

141/235

Eastern Reclamation

Foreshore

Drainage

1925-1961

1953-1954

771

T

FILE NO. 771.

EASTERN FORESHORE RECLAMATION DRAINAGE.

CONTRACT NO. 1323.

INTERCEPTING STORMWATER SEWER, KING'S DRIVE.

PROGRESS PAYMENTS.

141 / 235
Eastern Reclamation
Foreshore Drainage.

AUCKLAND HARBOUR BOARD

CONTRACT NO. 1323. FOR Construction of Stormwater
Sewer - King's Drive.

ENGINEER'S CERTIFICATE

Certificate No. 11 Date 14th January, 1953.

I hereby certify that the sum of Twenty Pounds and Eight Shillings.
(£ 20. 8. 0.)
is due to Messrs. Fletcher-Merritt-Raymond. on Account
of Contract No. 1323.

Value of Work done to date	(16.12.53)	£ 15,099.15. 3d.
Less Retention	£ Nil.	
Less Previous Payments	£ 15,079. 7s. 3d.	£ 15,079. 7. 3d.
Amount now certified		£ <u>20. 8. 0.</u>

Note.

This Certificate covers an additional Claim submitted by the Contractor on account of the above-mentioned Contract. His previous claim (No. 10) was marked "final Claim" and Certificate No. 10 was prepared and endorsed accordingly. The amount now certified is to cover the increase in labour costs retrospective to September, 15th, 1953, due to the general order of the Court of Arbitration.

DUPLICATE

N. L. Vickerman

Chief Engineer to the Board.

Auckland Harbour Board

MEMORANDUM

FROM

Construction Engineer

TO

30th December 1953

THE ENGINEER

8079

Intercepting Storm-Water Sewer - Kings Drive.
Contract 1323.

Herewith claim No 10¹¹, for £20.8.0 submitted by the Contractor on account of above Contract. This claim covers retrospective wages under the recent General Wage Order.

I certify that the total value of the work completed under Contract 1323 up to 16.12.53 for which payment may now be claimed in terms of the Contract is

£15,099 - 15 - 3.

(Fifteen thousand and ninety-nine pounds fifteen shillings and three pence.)

Total value completed to 16.12.53	£15,099 - 15 - 3
Less Retention	<u>nil</u>
	£15,099 . 15 . 3
Less previous payments (1-9A)	<u>15079 . 7 . 3</u>
Claim No 10 ¹¹ herewith	<u>£ 20 . 8 . 0</u>

J. Sutton

FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

HERRITT-CHAPMAN & SCOTT
OVERSEAS, INC.
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130
40-604

P.O. Box 644, AUCKLAND, C.I

Import Wharf Site,
French Street,
AUCKLAND, C.I.

December 16, 1953.

The Auckland Harbour Board,
Quay Street,
AUCKLAND, C.I.

Claim No. 10.


Auckland Harbour Board Contract No. 1323.

STORMWATER SEWER,
King's Drive.


Escalation claim as per General Wage Order
retrospective to 15th September 1953

As checked and agreed with
the Auckland Harbour Board

£ 20. 8. 0d


.....
B.J. Godfrey,
Accountant.

Approved:-


.....
W.A. Bourke,
Assoc. Manager.



AUCKLAND HARBOUR BOARD

CONTRACT NO. 1323 Construction of Stormwater Sewer -
FOR Kings Drive.

ENGINEER'S CERTIFICATE

Certificate No. 10 (final) Date 23rd November, 1953.

DUPLICATE

I hereby certify that the sum of forty eight pounds, four shillings
and ten pence (£ 48. 4. 10.)
is due to Messrs. Fletcher-Merritt-Raymond. on Account
of Contract No. 1323.

Value of Work done to date	(<u>19. 11. 53</u>)	£	<u>15,079. 7. 3.</u>
Less Retention	£ <u>Nil</u>		
Less Previous Payments	£ <u>15,031. 2. 5.</u>	£	<u>15,031. 2. 5.</u>
Amount now certified		£	<u><u>48. 4. 10.</u></u>

NOTE: This Certificate covers an additional Claim submitted by the Contractor on account of the abovementioned Contract. His previous Claim (No. 9) was marked "final Claim" and Certificate No. 9 was prepared and endorsed accordingly. The amount now certified was inadvertently omitted by the Contractor and is a correct charge against the Contract.

N. L. Vickerman

Chief Engineer to the Board.

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
 Import Wharf

19th. November 1953

TO

THE ENGINEER

8079

Intercepting S.W. Sewer - Kings Drive.
Contract 1323.

Herewith additional claim for £48.4.10 submitted by the Contractor on account of above Contract. His previous claim, No. 9, was marked "final claim" but this amount was inadvertently omitted therefrom, and is a correct charge against the Contract.

I certify that the total value of the work completed under Contract 1323 up to 19.11.53 for which payment may now be claimed in terms of the Contract is

£15,079 - 7 - 3

(Fifteen thousand and seventy nine pounds seven shillings and threepence)

Total value completed to 19.11.53	£15,079 . 7 . 3
Less Retention	Nil
	<u>£15,079 . 7 . 3</u>
Less previous payments (1-9)	15,031 . 2 . 5
Claim No 9A herewith	<u>£ 48 . 4 . 10</u>

Voucher & Certificate
 Eng. No. 10 prepared.
 No. [initials]

Passed for Payment
 25.11.53
 [initials]

[Signature]

[Signature]

15,031 . 2 . 5
 48 . 4 . 10
15,079 . 7 . 3

THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
OVERSEAS, INC.
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

P.O. Box 644, AUCKLAND, C.I

Import Wharf Site,
French Street,
AUCKLAND, C.I.

November 16, 1953

Auckland Harbour Board,
Quay Street,
AUCKLAND, C.I.

Auckland Harbour Board Contract No. 1323

STORMWATER SEWER,
King's Drive.

Subsidiary claim to No. 9

$\frac{3}{4}$ " Reinforcing steel 1-34 tons at £36. 0. 0

£48. 4. 10d

B. J. Godfrey

.....
B. J. Godfrey,
Accountant.

Approved: -

A. Campbell

.....
A. Campbell,
Chief Engineer.

[Handwritten initials]

19.11.53

AUCKLAND HARBOUR BOARD

THE AUCKLAND HARBOUR BOARD
P.O. BOX 1259

31. OCT 1953

Engineer's Department

Dr. to

Messrs. Fletcher-Merritt-Raymond,
P.O. Box 644,
AUCKLAND, C.1.

For the undermentioned:

(Name of Claimant)

Order No.	Date Supplied	PARTICULARS IN FULL	Signature (A.H.B.)	Rate	£	s.	d.	TOTAL				
		<p><u>LOAN A/C No. 21 - EASTERN RECLAMATION</u></p> <p><u>No. 3 (SEWER DIVERSION).</u></p> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <table style="font-size: small;"> <tr> <td>CODE</td> <td>NUMBER</td> </tr> <tr> <td>700</td> <td>0257 29</td> </tr> </table> </div> <p>Ninth and final progress payment on account of Contract No. 1323 - Construction of Stormwater Sewer, Kings Drive - in accordance with Engineer's Certificate No. 9, dated 15th October, 1953, attached.</p> <p>Value of Work done to and including 6th October, 1953.</p> <p>Less previous payments</p>	CODE	NUMBER	700	0257 29	<p><i>J. Dickson</i></p>					
CODE	NUMBER											
700	0257 29											
					15,031.	2.	5.					
					13,128.	3.	2.					
					1,902.19. 3.							

See also progress payment No. 10 for 48/110 for steel inadvertently omitted from no. 9 payment. A.H.B.

DUPLICATE

STORES	CAPITAL	MAINTENANCE	PRINCIPAL	LOAN A/C.	LOAN A/C.	£
--------	---------	-------------	-----------	-----------	-----------	---

PASSED BY COMMITTEE

_____ Chairman

_____ Member

Date _____

Discount _____

NET TOTAL £ 1,902.19. 3.

Signature of Claimant _____

Address _____

I CERTIFY, that to the best of my belief and knowledge the foregoing account is true and correct in every particular.

H. H. Wickham
CHIEF ENGINEER TO THE BOARD.

Received on the _____ 195 , from the Treasurer of the Auckland Harbour Board, the sum of _____ Pounds _____ Shillings and _____ Pence, in full payment of the above Account.



AUCKLAND HARBOUR BOARD

CONTRACT NO. **1323**

FOR **Construction of Stormwater
Sewer - Kings Drive.**

ENGINEER'S CERTIFICATE

Certificate No. **9 (final)**

Date **15th October, 1953,**

I hereby certify that the sum of **one thousand nine hundred and two
pounds nineteen shillings and three pence** (£1,902. 19. 3.)
is due to Messrs. **Fletcher-Merritt-Raymond.** on Account
of Contract No. **1323.**

Value of Work done to date	(6.10.53)	£ 15,031. 2. 5.
Less Retention	£ Nil.	
Less Previous Payments	£ 13,128. 3. 2.	£ 13,128. 3. 2.
Amount now certified		£ 1,902. 19. 3.

DUPLICATE

H. L. Vickerman

Chief Engineer to the Board.

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Import Wharf

TO

THE ENGINEER

8th October

1953

8079

Intercepting S.W. Sewer : Kings Drive
Contract 1323.

Herewith letter from the Contractor forwarding progress claim, No 9 (final) for £1902.19.3 on account of work completed under above contract up to 6.10.53.

I certify that the total value of the work completed under Contract 1323 up to 6.10.53, for which payment may now be claimed in terms of the Contract is

£15,031 - 2 - 5

(Fifteen thousand and thirty one pounds two shillings and five pence)

Total value of work up to 6.10.53	£15031. 2. 5
Retention	Nil
	<u>£15031. 2. 5</u>
Less previous payments (1-8)	13128. 3. 2 ✓
Claim No 9 (final) herewith	<u>£ 1902. 19. 3</u>

See letter to Contractor 14/10/53 copy to Res. Engr

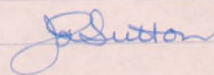
In terms of clause 11 the Contractor shall maintain the works for 90 days. In view of the fact that we would pay his admittedly high rates for labour and plant for any maintenance required, it would be better to waive the maintenance period. With this the Contractor concurs. To that end, the balance of his fixed fee, some £130 in terms of clause 8 has been included in this certificate.



The Contract was completed on 6.10.53

Engineer Certificate
+ Voucher compared
A.W.

P. 1st P.
19.10.53
E.S.



THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
OVERSEAS, INC.
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

P.O. Box 644, AUCKLAND, C.I

Import Wharf Site,
French Street,
AUCKLAND. C.I.

October 6, 1953

CONTRACT 1323 - STORMWATER SEWER
King's Drive.

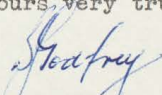
The Chief Engineer,
Auckland Harbour Board,
Quay Street,
Auckland, C.I.

Attention: Mr. J.R. Sutton

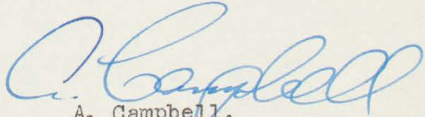
Dear Sir,

We have pleasure in submitting our final Claim No. 9,
covering the period ending October 6, 1953 for £1,902.19. 3d.

Yours, very truly,


B.J. Godfrey,
Accountant.

Approved:


A. Campbell,
Chief Engineer.


7.10.53

CLAIM NUMBER : - 9

JOB NUMBER: - RAYDEL-14S

FLETCHER - MERRITT - RAYMOND.

STORMWATER SEWER - KING'S DRIVE.

OCTOBER 6, 1953

1.	Direct Purchases	£101. 1. 3. ✓
2.	Indirect Purchases	NIL
3.	Hire charges ex F-M-R	883. 2. 6. ✓
4.	Labour	639. 8. 4. ✓
5.	Sundry (Chenery Limited)	53. 9. 2. ✓
6.	Holiday Pay allownace	31. 11. 5. ✓
7.	OVERHEAD: 10% Item (4)	63.18.10
	Less August Claim	<u>1.15. 0 ✓</u>
		62. 3. 10. ✓
8.	Supervision	NIL
9.	Fixed-fee	<u>305. 19. 8. ✓</u>
		2,076. 16. 2. ✓
	Less returned fittings etc.,	158.16.11
	" settlement sheetpiling	<u>15. 0. 0</u>
		173. 16.11. ✓
		<u>£1,902. 19. 3. ✓</u>

.....
B. J. Godfrey,
Accountant.

Approved: -

.....
A. Campbell,
Chief Engineer.

FLETCHER - MERRITT - RAYMOND

1. DIRECT PURCHASES:

New Zealand Marble Company Limited	£80. 0. 0.
South British Insurance Company, Limited PUBLIC LIABILITY -	14. 11. 10.
VARIOUS -	5. 10. 1.
Crum, Brick and Tile Company	19. 4.

£101. 1. 3 ✓

2. INDIRECT PURCHASES:

NIL

3. HIRE CHARGES ex F-M-R.

N.W. Crane	274½ hours	£3. 0. 0 Hr.	823.10. 0 ✓
N.W. Bucket	49 "	10. 0 "	24.10. 0 ✓
Hammer	14 "	10. 0 "	7. 0. 0 ✓
Hire of Truck	22½ "	1. 5. 0	28. 2. 6 ✓

£883. 2. 6 ✓

4. LABOUR:

Week Ending:	1.9.53	£110. 5. 2d
	8.9.53	110. 6. 3d
	15.9.53	110. 6. 3d
	22.9.53	110. 6. 3d
	29.9.53	110. 5. 2d
	6.10.53	87.19. 3d

£639. 8. 4 ✓

Carry Forward:-

FLETCHER - MERRITT - RAYMOND

5. SUB-CONTRACT £53. 9. 2. (Final)

6. HOLIDAY PAY ALLOWANCE:

Week Ending:	1.9.53	40	6/3 $\frac{3}{4}$	12.12. 6		
		200	5/7 $\frac{1}{2}$	56. 5. 0		68.17. 6d ✓
	8.9.53	40	6/3 $\frac{3}{4}$	12.12. 6		
		200	5/7 $\frac{1}{2}$	56. 5. 0		68.17. 6d ✓
	15.9.53	40	6/3 $\frac{3}{4}$	12.12. 6d		
		200	5/7 $\frac{1}{2}$	56. 5. 0d		68.17. 6d ✓
	22.9.53	40	6/3 $\frac{3}{4}$	12.12. 6d		
		200	5/7 $\frac{1}{2}$	56. 5. 0d		68.17. 6d ✓
	29.9.53	40	6/3 $\frac{3}{4}$	12.12. 6d		
		200	5/7 $\frac{1}{2}$	56. 5. 0d		68.17. 6d ✓
	6.10.53	200	5/7 $\frac{1}{2}$	56. 5. 0d		56. 5. 0d
				7.88%	£400.12. 6d	£31.11. 5d

<u>FIXED FEE:</u>	Less-Claim		1,500. 0. 0 ✓
	Less Claim	1	91. 9. 5d
		2	66.19. 3d
		3	211. 8.10d
		4	153. 0. 3d
		5	160.12. 9d
		6	176.16. 2d
		7	166. 0. 5d
		8	167.13. 3d
			<hr/>
			1,194. 0. 4 ✓
			<hr/>
			£305.19. 8 ✓

FLETCHER - MERRITT - RAYMOND.

RETURNED FITTINGS:-

1	2 1/2"	M-F Bend	1. 5. 3d
1	2"	BqB Nipple	9. 6d
1	2"	Reducing Bush	8. 1d
1	2"	" "	8. 1d
1	1"	Plug	1. 0d
170'		Galvanised pipe	10. 8. 11d
13		Sockets	13. 0d
4		Bab Unions	18. 0d
2	2"	" "	2. 17. 8d
240	2"	Piping	90. 5. 0d
7	2"	Sockets	2. 12. 6d
3	2 1/2"	Unions	4. 6. 6d
1	2"	Globe valve	8. 6. 5d
1	2"	" "	4. 3. 4d
1	2 1/2"	Tie	18. 0d
1	2 1/2"	Bab Nipple	7. 0d
90		Galvanised pipe	5. 10. 7d
8		Sockets	8. 0d
1		hose cock	16. 3d
1		M-F Bend	2. 3d
1		tie	2. 1d
1		elbow	1. 10d
1	2 1/2"	Galvanised bush	10. 6d
12		Road lamps	22. 17. 2d

£158. 16. 11d

SHEETPILING: 114-ft 1.65 tons

15. 0. 0d

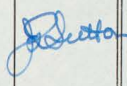
AUCKLAND HARBOUR BOARD

THE AUCKLAND HARBOUR BOARD
P.O. BOX 1259

Dr. to **Messrs. Fletcher - Merritt - Raymond,**
P.O. Box 644,
AUCKLAND C. 1.

Engineer's Department
For the undermentioned:

(Name of Claimant)

Order No.	Date Supplied	PARTICULARS IN FULL	Signature (A.H.B.)	Rate	£	s.	d.	TOTAL
		<p><u>LOAN A/c NO. 21 - EASTERN RECLAMATION NO. 3 (SEWER DIVERSION)</u></p> <p>Eighth progress payment on account of Contract No. 1323 - Construction of Stormwater Sewer, Kings Drive - in accordance with Engineer's Certificate No. 8 dated the 30th. September, 1953 attached.</p> <p>Value of Work done to and including 31st. August, 1953.</p> <p>Less Previous Payments.</p>						
					13,128	3	2	
					11,289	18	0	1,838 5 2

DUPLICATE

STORES	CAPITAL	MAINTENANCE	PRINCIPAL	LOAN A/C.	LOAN A/C.	£
--------	---------	-------------	-----------	-----------	-----------	---

PASSED BY COMMITTEE

..... Chairman

..... Member

Date


Discount

NET TOTAL £ 1,838 5 2

Signature of Claimant

Address

I CERTIFY, that to the best of my belief and knowledge the foregoing account is true and correct in every particular.


 CHIEF ENGINEER TO THE BOARD.

Received on the 195 , from the Treasurer of the Auckland Harbour Board, the sum of Pounds
Shillings and Pence, in full payment of the above Account.

AUCKLAND HARBOUR BOARD

CONTRACT NO. 1323.

FOR CONSTRUCTION OF STORMWATER
SEWER - KINGS DRIVE.

ENGINEER'S CERTIFICATE

Certificate No. 8.

Date 30th. September, 1953.

I hereby certify that the sum of One thousand, eight hundred and thirty
eight pounds, five shillings and twopence..... (£1,838. 5. 2d.)

is due to Messrs. Fletcher - Merritt - Raymond on Account
of Contract No. 1323.

Value of Work done to date	(<u>31. 8.53</u>)	£ <u>13,128. 3. 2.</u>
Less Retention	£ <u>Nil</u>	
Less Previous Payments	£ <u>11,289.18. 0.</u>	£ <u>11,289.18. 0.</u>
Amount now certified		£ <u>1,838. 5. 2d</u>

DUPLICATE

N. L. Vickerman

Chief Engineer to the Board.

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Import Wharf

TO

14th September 1953¹⁹
THE ENGINEER

8079

Intercepting S.W. Sewer: Kings Drive
Contract 1323.

Herewith letter from the Contractor forwarding progress claim No 8 for £1,838 . 5 . 2 for work completed under above Contract up to 31.8.53.

I certify that the total value of the work completed under Contract 1323 up to 31.8.53 for which payment may now be claimed in terms of the contract is

13,128
£ 13,128 . 3 . 2

(Thirteen thousand one hundred and twenty eight pounds three shillings and two pence)

Total value of work up to 31.8.53	£13,128 . 3 . 2
Retention	Nil
	£13,128 . 3 . 2
Less previous payments (1-7)	11,289 . 18 . 0
<u>Claim No 8 (herewith)</u>	<u>£ 1,838 . 5 . 2</u>

Passed for Payment.
1st Oct. 1953.
E.S.

J. Sutton

THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
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MERRITT-CHAPMAN & SCOTT
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Telephones: 40-130
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

P.O. Box 644, AUCKLAND, C.I

Import Wharf Site,
French Street,
AUCKLAND, C.I.

CONTRACT No. 1323 - STORMWATER SEWER,
King's Drive.

September 7, 1953.

The Chief Engineer,
Auckland Harbour Board,
Quay Street,
Auckland, C.I.

Att: Mr. J.R. Sutton.

Dear Sir,

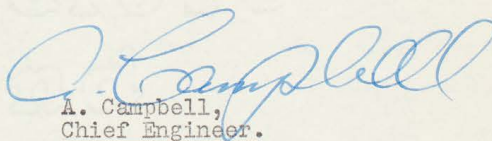
We have pleasure in submitting our Claim No. 8
covering the month of August 1953 for £ 1,838. 5. 2.

Yours very truly,



B.J. Godfrey,
Accountant.

Approved:



A. Campbell,
Chief Engineer.


14.9.53

FLETCHER-MERRITT-RAYMOND.

AUCKLAND HARBOUR BOARD CONTRACT No. 1323.

Progress Claim No. 8 for period August 1-31, 1953.

SUMMARY.

1. Direct Purchases	£ 121. 1. 3. ✓
2. Indirect Purchases	7. 3. 8. ✓
3. Hire charges ex F-M-R.	732. 10. 0. ✓
4. Direct Labour	466. 13. 0. ✓
5. Sundry Charges	270. 17. 8. ✓
6. Holiday Pay Allowance	23. 18. 1. ✓
7. Overhead: 10% of Item 4	48. 8. 3.
8. Supervision	1670. " " "
9. Fixed Fee	167. 13. 3.
	<hr/>
	£ 1,838. 5. 2.
	<hr/> <hr/>

48. 8. 3
46. 13. 1
1. 14. 11

overpayment
of 11157. was
admitted as
Sept. 1953 claim.
Ans

FLETCHER-MERRITT-RAYMOND

B Redfry

Accountant.

Approved:

J Campbell
Chief Engineer.

FLETCHER-MERRITT-RAYMOND.

A.H.B. CONTRACT No. 1323.

Progress Claim No. 8.

1. Direct Purchases.

Bill Jennings		3. 17. 3.	
Public Works, Mangakino (up to 28/7/53)		<u>117. 4. 0.</u>	121. 1. 3. ✓

2. Indirect Purchases.

12 gals. Kerosene @ 2/6d. gal.		1. 10. 0.	
1 cyl. Oxygen 220 cu.ft. @ 8/6 per 100		18. 8.	
1 cyl. Acetylene 400 cu.ft. @ £1.3.9. per 100		<u>4. 15. 0.</u>	7. 3. 8. ✓

3. Hire Charges ex F-M-R.

N.W. Crane:	191 $\frac{1}{2}$ hrs. @ £3	574. 10. 0. ✓	
Bucket:	62 $\frac{1}{2}$ " @ 10/-	31. 5. 0. ✓	
Hammer:	35 " @ 10/-	17. 10. 0. ✓	
Michigan Crane:	30 $\frac{1}{2}$ " @ £3.10.0.	106. 15. 0. ✓	
2" Pump:	4 " @ 12/6d	<u>2. 10. 0.</u>	732. 10. 0. ✓

4. Labour.

Week ending 4.8.53		120. 15. 8.	
" " 11.8.53		124. 17. 0.	
" " 18.8.53		110. 7. 2.	
" " 25.8.53		<u>110. 13. 2.</u>	466. 13. 0. ✓

5. Sub-Contractor - W.A. Chenery Ltd.

270. 17. 8. ✓

6. Holiday Pay Allowance.

	5 @ 5/11	1. 9. 7.	
W/e. 4.8.53:	45 @ 6/3 $\frac{3}{4}$	14. 4. 1.	
	205 @ 5/7 $\frac{1}{2}$	57. 13. 1.	73. 6. 9.
W/e. 11.8.53:	60 @ 6/3 $\frac{3}{4}$	18. 18. 9.	
	220 @ 5/7 $\frac{1}{2}$	61. 17. 6.	80. 16. 3.
W/e. 18.8.53:	40 @ 6/3 $\frac{3}{4}$	12. 12. 6.	
	200 @ 5/7 $\frac{1}{2}$	56. 5. 0.	68. 17. 6.
W/e. 25.8.53:	40 @ 6/3 $\frac{3}{4}$	12. 12. 6.	
	200 @ 5/7 $\frac{1}{2}$	56. 5. 0.	
	40 @ 5/8 $\frac{1}{2}$	11. 9. 2.	80. 6. 8.
			<u>303. 7. 2. = 23. 18. 1. ✓</u>

7.88% of

AUCKLAND HARBOUR BOARD

THE AUCKLAND HARBOUR BOARD
P.O. BOX 1259

31 AUG 1953

Engineer's Department
For the undermentioned:

Dr. to

MESSRS. FLETCHER-MERRITT-RAYMOND,
P.O. BOX 644, AUCKLAND. C.1.

Order No.	Date Supplied	PARTICULARS IN FULL	Signature (A.H.B.)	Rate	£	s.	d.	TOTAL
		<p><u>LOAN A/C. 21:-</u></p> <p><u>EASTERN RECLAMATION NO. 3.</u></p> <p style="text-align: center;">(<u>Sewer Diversion</u>)</p> <p>Seventh progress payment on account of Contract No. 1323 - Construction of Stormwater Sewer, King's Drive - in accordance with Engineer's Certificate No. 7 dated August 13th, 1953 attached.</p> <p>Value of work done to and including 31st July, 1953.</p> <p>Less Previous Payments.</p>	<p><i>J. Sutton</i></p>					<p>11,289 18 0</p> <p><u>9,463 13 0</u> 1826 5 0</p>

DUPLICATE

STORES	CAPITAL	MAINTENANCE	PRINCIPAL	LOAN A/C.	LOAN A/C.				
								£	
<p style="text-align: center;">PASSED BY COMMITTEE</p> <p style="text-align: right;">..... Chairman</p> <p style="text-align: right;">..... Member</p> <p>Date</p>								Discount	
								NET TOTAL £	1826 5 0

Signature of Claimant:

Address

I CERTIFY, that to the best of my belief and knowledge the foregoing account is true and correct in every particular.


 CHIEF ENGINEER TO THE BOARD.

Received on the 195 . from the Treasurer of the Auckland Harbour Board, the sum of Pounds Shillings and Pence, in full payment of the above Account.

AUCKLAND HARBOUR BOARD

CONTRACT NO. 1323. FOR CONSTRUCTING STORMWATER SEWER -
KINGS DRIVE.

ENGINEER'S CERTIFICATE

Certificate No. 7 Date 13th AUGUST, 1953.

I hereby certify that the sum of ONE THOUSAND, EIGHT HUNDRED AND TWENTY-
SIX POUNDS AND FIVE SHILLINGS. (£ 1,826-5-0)
is due to Messrs. FLETCHER-MERRITT-RAYMOND on Account
of Contract No. 1323.

Value of Work done to date	<u>(31.7.53)</u>	£	<u>11,289-18-0</u>
Less Retention	£ <u>NIL.</u>		
Less Previous Payments	£ <u>9463.13.0</u>	£	<u>9,463-13-0</u>
Amount now certified		£	<u>1,826- 5-0</u>

N. L. Vickerman

Chief Engineer to the Board.

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Import Wharf

TO

THE ENGINEER

11th August 1953

8079

Intercepting S.W. Sewer - Kings Drive.

Contract 1323.

Herewith letter from the contractor forwarding progress claim No 7, for £1826. 5. 0 for work completed under above contract up to 30.7.53.

I certify that the total value of the work completed under contract 1323 up to 30.7.53 for which payment may now be claimed in terms of the contract is

£11,289 - 18 - 0

(Eleven thousand two hundred and eighty nine pounds eighteen shillings.)

Total value of work up to 30.7.53	£11,289 - 18 - 0 ✓
Retention	<u>nil</u>
	£11,289 - 18 - 0 ✓
Less previous payments (1-6)	<u>9,463 - 13 - 0 ✓</u>
Claim No 7 (herewith)	<u>£1,826 - 5 - 0 ✓</u>

Voucher & Engineer's
Certificate compared.

JES
13/8/53

J. Sutton

THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
OVERSEAS, INC.
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

P.O. Box 644, AUCKLAND, C.I

Import Wharf Site,
French Street,
AUCKLAND, C.I

CONTRACT No. 1323 - STORMWATER SEWER,
King's Drive.

August 7, 1953.

The Chief Engineer,
Auckland Harbour Board,
Quay Street,
Auckland, C.I.

Attention Mr. J.R. Sutton.

Dear Sir,

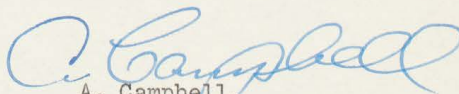
We have pleasure in submitting our Claim No. 7
covering the month of July 1953 for £1,826. 5. 0.

Yours very truly,




B.J. Godfrey,
Accountant.

Approved:



A. Campbell,
Chief Engineer.


10.8.53

FLETCHER-MERRITT-RAYMOND.

AUCKLAND HARBOUR BOARD CONTRACT No. 1323.

Progress Claim No. 7 for period July 1-31, 1953.

SUMMARY.

1. Direct Purchases	£ 243. 10. 5. ✓
2. Indirect Purchases	7. 3. 8. ✓
3. Hire charges ex F-M-R	669. 0. 0. ✓
4. Direct Labour	438. 1. 10. ✓
5. Sundry Charges	187. 1. 0. ✓
6. Holiday Pay Allowance	21. 11. 6. ✓
7. Overhead: 10% of Item 4	43. 16. 2. ✓
8. Supervision	50. 0. 0. ✓
9. } Fixed Fee	166. 0. 5. ✓
{ (10% of Items 1 to 8)	
	<hr/>
	£ 1,826. 5. 0. ✓

FLETCHER-MERRITT-RAYMOND

B. Godfrey

Accountant.

Approved:

C. Campbell
Chief Engineer.

FLETCHER-MERRITT-RAYMOND.

A.H.B. CONTRACT No. 1323.

Progress Claim No. 7.

1. Direct Purchases.

514.	ex Public Works, Mangakino 29/5/53 to 28/6/53	117.	4.	0.	
498.	ex Hume Industries Ltd.	6.	6.	5.	
509.	ex N.Z. Marble Co. May-June-July	120.	0.	0.	
		<u>243.</u>	<u>10.</u>	<u>5.</u>	

2. Indirect Purchases.

1 cylinder Oxygen 220 cu.ft. @ 8/6 per 100	18.	8.			
2 cylinders Acetylene 400 cu.ft. @ £1.3.9.	4.	15.	0.		
12 gals. Kerosene @ 2/6 gal.	<u>1.</u>	<u>10.</u>	<u>0.</u>	7.	3. 8.

3. Hire Charges ex F-M-R.

N.W.Crane: 198 hrs. @ £3.	594.	0.	0.		
Bucket: 74 " @ 10/-	35.	10.	0.		
2" Pump: 18 " @ 12/6	11.	5.	0.		
Michigan Crane: 4 hrs. @ £3.10.0.	14.	0.	0.		
Hammer: 28½ hrs. @ 10/-	<u>14.</u>	<u>5.</u>	<u>0.</u>	669.	0. 0.

4. Labour.

Week ending 7.7.53	111.	11.	1.		
" " 14.7.53	106.	0.	5.		
" " 21.7.53	110.	5.	2.		
" " 28.7.53	<u>110.</u>	<u>5.</u>	<u>2.</u>	438.	1. 10.

5. Sub-Contractor - W.A. Chenery Ltd.

187. 1. 0.

6. Holiday Pay Allowance.

W/e. 7.7.53: 40 @ 6/3¼	12.	12.	6.		
200 @ 5/7½	56.	5.	0.	68.	17. 6.
W/e. 14.7.53: 39 @ 6/3¼	12.	6.	2.		
195 @ 5/7½	54.	16.	11.	67.	3. 1.
W/e. 21.7.53: 40 @ 6/3¼	12.	12.	6.		
200 @ 5/7½	56.	5.	0.	68.	17. 6.
W/e. 28.7.53: 40 @ 6/3¼	12.	12.	6.		
200 @ 5/7½	56.	5.	0.	68.	17. 6.
	7.88%	of	273.	15.	7. 21. 11. 6.

File Copy

AUCKLAND HARBOUR BOARD

THE AUCKLAND HARBOUR BOARD
P.O. BOX 1259

Dr. to **Messrs. Fletcher-Merritt-Raymond,**

Engineer's Department

For the undermentioned: (Name of Claimant) **P.O. Box 644, AUCKLAND, C.I.**

Order No.	Date Supplied	PARTICULARS IN FULL	Signature (A.H.B.)	Rate	£ s. d.			TOTAL			
		Sixth progress payment on account of Contract No.1323 - Construction of Stormwater Sewer - Kings Drive in accordance with Engineer's Certificate No.6 dated 16th July, 1953, attached.									
		Value of work to and including 30.6.53.			9463	13	0				
		Less Previous Payments			7518	14	9				
			<i>J. Smith</i>					1944	18	3	

DUPLICATE

STORES	CAPITAL	MAINTENANCE	PRINCIPAL	LOAN A/C.	LOAN A/C.	£
--------	---------	-------------	-----------	-----------	-----------	---

PASSED BY COMMITTEE

..... Chairman

..... Member

Date

Discount

NET TOTAL £ 1944 18 3

Signature of Claimant

Address

I CERTIFY, that to the best of my belief and knowledge the foregoing account is true and correct in every particular.

W. H. McKerran
CHIEF ENGINEER TO THE BOARD.

Received on the 195 , from the Treasurer of the Auckland Harbour Board, the sum of Pounds Shillings and Pence, in full payment of the above Account.



AUCKLAND HARBOUR BOARD

CONTRACT NO. 1323 FOR Constructing Stormwater Sewer Kings Drive.

ENGINEER'S CERTIFICATE

Certificate No. 6 (Six) Date 16th July, 1953.

I hereby certify that the sum of one thousand nine hundred and forty four pounds eighteen shillings and three pence (£ 1944.18. 3)
is due to Messrs. Fletcher-Merritt-Raymond on Account
of Contract No. 1323

DUPLICATE

Value of Work done to date	<u>(30.6.53)</u>	£ <u>9463.13. 0</u>
Less Retention	£ <u>Nil</u>	
Less Previous Payments	£ <u>7518.14. 9</u>	£ <u>7518.14. 9</u>
Amount now certified		£ <u>1944.18. 3</u>

W. L. Vickerman

Chief Engineer to the Board.

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Import Wharf.

TO

THE ENGINEER

7th July 1953

8079

Intercepting S. W. Sewer - Kings Drive.
Contract 1323.

Herewith letter from the Contractor forwarding progress claim No 6, for £1944 - 18 - 3 for work completed under above Contract up to 30.6.53.

I certify that the total value of the work completed under Contract 1323 up to 30.6.53 for which payment may now be claimed in terms of the Contract is

£9,463 - 13 - 0

(Nine thousand four hundred and sixty three pounds thirteen shillings.)

Total value of work to 30.6.53	£9463 . 13 . 0
Retention	Nil
	<u>£9463 . 13 . 0</u>
Less previous payments 1-5	7518 . 14 . 9
Claim No 6 (herewith)	<u>£1944 . 18 . 3</u>

Voucher & Eng^s
Certificate Prepared.
A.S.

J. Sutton

THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
OVERSEAS, INC
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

P.O. Box 644, AUCKLAND, C.I

Import Wharf Site,
French Street,
AUCKLAND, C.I

July 7, 1953

The Chief Engineer
Auckland Harbour Board,
Quay Street,
AUCKLAND, C.I/

A. H. B. CONTRACT NO 1323
STORMWATER SEWER
KING'S DRIVE

ATTENTION MR. J. R. SUTTON

Dear Sir,

We have pleasure in submitting our Claim No. 6,
covering the month of June 30, 1953 for £1,944. 18. 3d.

Yours very truly,

B. J. Godfrey
B. J. Godfrey,
Accountant.

Approved:

A. Campbell
A. Campbell,
Chief Engineer

J. H. 53

STORMWATER SEWER KING'S DRIVE.

AUCKLAND HARBOUR BOARD
CONTRACT No.1323

Progress Claim No. 6, for period June 30th.

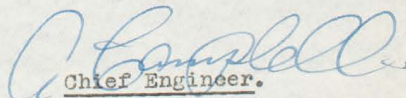
SUMMARY:

1.	Direct Purchases	129. 4. 0d ✓
2.	Indirect Purchases	7. 3. 8d ✓
3.	Hire charges ex F-M-R	789. 1. 3d ✓
4.	Direct labour	492. 8. 4d ✓
5.	Sundry charges	276. 14. 6d ✓
6.	Holiday Pay allowance	24. 5. 6d ✓
7.	Overhead 10% of Item 4	49. 4. 10d ✓
8.	Supervision	1768 NIL ✓
9.	{ Fixed fee (10% of Items 1 to 8)	176. 16. 2d ✓
		<u>£1,944. 18. 3d</u>

FLETCHER-MERRITT-RAYMOND

Accountant.

Approved:


Chief Engineer.

PROGRESS CLAIM NO. 6

1. DIRECT PURCHASES

ex Public works Mangakino hire sheetpile 29/4/53 - 28/5/53		117. 4. 0d
AUCKLAND CITY COUNCIL		<u>12. 0. 0d</u>
		129. 4. 0d /

2. INDIRECT PURCHASES

1. Cylinder Oxygen 220-c.ft at 8/6d per 100	18. 8d /	
2. Cylinders Acetylene 400-c.ft at £1.3.9d	4.15. 0d /	
12 gallons Kerosene 2/6d per gallon	<u>1.10. 0d /</u>	7. 3. 8d /

3. HIRE CHARGES EX FLETCHER-MERRITT-RAYMOND

N.W. Crane - 229 $\frac{1}{2}$ hours at £3. 0. 0d /	688.10. 0d /	
" Bucket 101 $\frac{1}{2}$ " " 10. 0d /	50.15. 0d /	
2" Pump 42 $\frac{1}{2}$ " " 12. 6d /	26.11. 3d /	
an Hammer 46 $\frac{1}{2}$ " " 10. 0d	<u>23. 5. 0d /</u>	789. 1. 3d /

4. LABOUR

Week Ending 2.6.53	77.17. 7d	
9.6.53	102.15.11d	
16.6.53	105.18. 2d	
23.6.53	105.18. 2d	
30.6.53	<u>99.18. 6d</u>	492. 8. 4d /

Carry forward:.....

5. SUBCONTRACTOR - W.A. CHENERY LIMITED 276.14. 6d

6. HOLIDAY PAY ALLOWANCE

Week Ending 2.6.53

152 - 5/7½d	42.15. 0d	
33 4/10½d	8. 0.10d	50.15.10d
<hr/>		

Week Ending 9.6.53

192 - 5/7½d	54. 0. 0d	
40 4/10½d	9.15. 0d	63.15. 0d
<hr/>		

Week Ending 16.6.53

200 - 5/7½d	56. 5. 0d	
40 4/10½d	9.15. 0d	66. 0. 0d
<hr/>		

Week Ending 23.6.53

200 - 5/7½d	56. 5. 0d	
40 - 4/10½d	9.15. 0d	66. 0. 0d
<hr/>		

Week Ending 30.6.53

184 - 5/7½d	51.15. 0d	
40 - 4.10½d	9.15. 0d	61.10. 0d
<hr/>		

7.88% ✓ 308. 0.10d £24. 5. 6d ✓


AUCKLAND HARBOUR BOARD

THE AUCKLAND HARBOUR BOARD
P.O. BOX 1259

Dr. to Messrs. Fletcher-Merritt-Raymond,

Engineer's Department

For the undermentioned: (Name of Claimant) P.O. Box 644, AUCKLAND, C.I.

Order No.	Date Supplied	PARTICULARS IN FULL	Signature (A.H.B.)	Rate	£	s.	d.	TOTAL
		<p>Fifth progress payment on account of Contract No.1323 - Construction of Stormwater Sewer, Kings Drive in accordance with Engineer's Certificate No.5 dated 11th June, 1953, attached.</p> <p style="font-size: 2em; opacity: 0.5;">DUPLICATE</p> <p>Value of Work to and including 31.5.53</p> <p>Less Previous Payments</p>			7	14	9	
					5	14	6	1767 - 3

STORES	CAPITAL	MAINTENANCE	PRINCIPAL	LOAN A/C.	LOAN A/C.	£
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PASSED BY COMMITTEE

..... Chairman

..... Member

Date

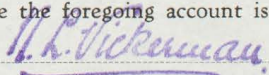
Discount

NET TOTAL £ 1,767 - 3

Signature of Claimant

Address

I CERTIFY, that to the best of my belief and knowledge the foregoing account is true and correct in every particular.


 CHIEF ENGINEER TO THE BOARD.

Received on the 195 , from the Treasurer of the Auckland Harbour Board, the sum of Pounds
Shillings and Pence, in full payment of the above Account.



AUCKLAND HARBOUR BOARD

CONTRACT NO. 1323 FOR Constructing Stormwater Sewer
Kings Drive

ENGINEER'S CERTIFICATE

Certificate No. 5 (five) Date 11th June, 1953.

I hereby certify that the sum of one thousand seven hundred and sixty
seven pounds and three pence (£ 1,767. - . 3)
is due to Messrs. Fletcher-Merritt-Raymond on Account
of Contract No. 1323

DUPLICATE

Value of Work done to date	(<u>31.5.53</u>)	£ <u>7,518. 14. 9</u>
Less Retention	£ <u>Nil</u>	
Less Previous Payments	£ <u>5,751.14. 6</u>	£ <u>5,751. 14. 6</u>
Amount now certified		£ <u>1,767. - . 3</u>

N. L. Vickerman

Engineer to the Board.

Auckland Harbour Board

MEMORANDUM

FROM

*Resident Engineer
Import Wharf*

TO

9th June 1953
THE ENGINEER

8079

Intercepting S.W. Sewer - Kings Drive
Contract 1323.

Herewith letter from the Contractor forwarding progress claim No 5, for £1767.0.3 for work completed under above contract up to 31.5.53.

I certify that the total value of the work completed under Contract 1323 up to 31.5.53, for which payment may now be claimed in terms of the Contract is

£7518 — 14 — 9

(Seven thousand five hundred and eighteen pounds fourteen shillings and ninepence)

Total value of work to 31.5.53	£7518.14.9
Retention	<u>Nil</u>
	£7518.14.9
Less previous payments 1-4	<u>5751.14.6</u>
Claim No 5 (herewith)	<u>£1767.0.3</u>

*Checked - Voucher
& Engineer's Certificate
prepared
[Signature]*

[Signature]

[Signature]

THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
OVERSEAS, INC
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

P.O. Box 644, AUCKLAND, C.I.

Import Wharf Site,
French Street,
AUCKLAND, C.I.

May 31, 1953

The Chief Engineer
Auckland Harbour Board
Quay Street,
Auckland, C.I.

Attention Mr. J.R. Sutton

A. H. B. CONTRACT NO. 1323
STORMWATER SEWER
KING'S DRIVE

Dear Sir,

We have pleasure in submitting our Claim No. 5,
covering the month of May 31 1953, for £1,767. 0. 3d.

Yours very truly,

C.F. Langton
C.F. Langton,
Office Manager.

APPROVED:

A. Campbell
A. Campbell,
Chief Engineer.

J.B.
6.6.53

AUCKLAND HARBOUR BOARD

Contract No. 1323

STORMWATER SEWER, King's Drive

PROGRESS CLAIM NO. 5 for period ending May 31st, 1953

SUMMARY:

1.	Direct Purchases	132.15. 5d ✓
2.	Indirect "	9. 1. 0d ✓
3.	Hire charge ex F-M-R	651.18. 9d ✓
4.	Direct labour	427.16.11d ✓
5.	Sundry charges	271. 0. 0d ✓
6.	Holiday Pay allowance	20.19. 9d ✓
7.	Overhead 10% of Item 4	42.15. 8d ✓
8.	Supervision	50. 0. 0d
9.	Fixed fee (10% of Items 1 to 8)	160.12. 9d ✓

Total = £1,767. 0. 3d ✓

FLETCHER-MERRITT-RAYMOND

at London

Office Manager.

Approved:

C. Campbell
Chief Engineer.

J.S.
6.6.53

PROGRESS CLAIM No. 5

(1) DIRECT PURCHASES:

ex FLETCHER CONSTRUCTION Company, Limited	£5.11. 8d	
" " " " " " " "	9.19. 9d	
ex PUBLIC WORKS Mangakino	<u>117. 4. 0d</u>	£132.15.5d

(2) INDIRECT PURCHASES:

Kerosene 12 gallons at 2/6d gallon	£1.10. 0d	✓	
3 cylinders Oxygen 660 c.ft at 8/6d 100	2.16. 0d	✓	
2 cylinders Acetylene 400 c.ft at £1. 3. 9d	<u>4.15. 0d</u>	✓	9. 1. 0d

(3) HIRE CHARGES ex FLETCHER-MERRITT-RAYMOND

Whirler Crane 3-hrs at	£3. 0. 0d	9. 0. 0d	✓
North-West " 191½-hrs at	£3. 0. 0d	574.10. 0d	✓
Crane Bucket 66½-hrs at	10. 0d	33. 5. 0d	✓
Hammer 21 -hrs at	10. 0d	10.10. 0d	✓
2" Pump 39½-hrs at	12. 6d	<u>24.13. 9d</u>	✓
			£651.18. 9d

.....Cont'd

(4) LABOUR:

Week Ending	5.5.53	110. 0. 3d	
" "	12.5.53	105.19. 3d	
" "	19.5.53	105.19. 3d	
" "	26.5.53	<u>105.18. 2d</u>	427.16.11d ✓

(5) SUB-CONTRACT - W.A. Chenery Limited 271. 0. 0d

(6) HOLIDAY PAY ALLOWANCE:

Week Ending	5.5.53	204	5/7½d	57. 7. 6d	
		2	5/11d	11.10d	
		40	4/10½d	9.15. 0d	
		2	6/3¾d	12. 7d	68. 6.11d

Week Ending	12.5.53	200	5/7½d	56. 5. 0d	
		40	4/10½d	9.15. 0d	66. 0. 0d

Week Ending	19.5.53	200	5/7½d	56. 5. 0d	
		40	4/10½d	9.15. 0d	66. 0. 0d

Week Ending	26.5.53	200	5/7½d	56. 5. 0d	
		40	4/10½d	9.15. 0d	66. 0. 0d

£266. 6.11d ✓

7.88% of £266. 6.11d = £20.19. 9d ✓



771

AUCKLAND HARBOUR BOARD

THE AUCKLAND HARBOUR BOARD
P.O. BOX 1259

Dr. to **Messrs. Fletcher-Merritt-Raymond,**
(Name of Claimant) **P.O. Box 644, AUCKLAND, C.I.**

Engineer's Department

For the undermentioned:

Order No.	Date Supplied	PARTICULARS IN FULL	Signature (A.H.B.)	Rate	£	s.	d.	TOTAL
		Fourth progress payment on account of Contract No. 1323 - Construction of Stormwater Sewer, King's Drive in accordance with Engineer's Certificate No.4 dated 18th May, 1953, attached.	<i>Heagerty</i>					
		Value of Work to and including 30.4.53			£5,751.	14.	6	
		Less Previous Payments			£4,068.	11.	11	1,683 2 7

DUPLICATE

STORES	CAPITAL	MAINTENANCE	PRINCIPAL	LOAN A/C.	LOAN A/C.	£
--------	---------	-------------	-----------	-----------	-----------	---

PASSED BY COMMITTEE

_____ Chairman

_____ Member

Date _____

Discount _____

NET TOTAL £ 1,683 2 7

Signature of Claimant _____

Address _____

I CERTIFY, that to the best of my belief and knowledge the foregoing account is true and correct in every particular.

W. H. Dickman
CHIEF ENGINEER TO THE BOARD.

Received on the _____ 195 , from the Treasurer of the Auckland Harbour Board, the sum of _____ Pounds _____ Shillings and _____ Pence, in full payment of the above Account.



AUCKLAND HARBOUR BOARD

CONTRACT NO. 1323 FOR Constructing Stormwater Sewer
King's Drive.

ENGINEER'S CERTIFICATE

Certificate No. 4 (four) Date 18th May, 1953.

DUPLICATE

I hereby certify that the sum of one thousand six hundred and eighty
three pounds two shillings and seven pence (£ 1,683. 2. 7)
is due to Messrs. Fletcher-Merritt-Raymond on Account
of Contract No. 1323

Value of Work done to date	<u>(30.4.53)</u>	£ <u>5,751.14. 6</u>
Less Retention	£ <u>Nil</u>	
Less Previous Payments	£ <u>4,068.11.11</u>	£ <u>4,068.11.11</u>
Amount now certified		£ <u>1,683. 2. 7</u>

H. L. Vickerman

Engineer to the Board.

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Import Wharf

TO

11th May 1953

THE ENGINEER

8079

Intercepting Stormwater Sewer, Kings Drive.
Contract 1323.

Herewith letter from the Contractor enclosing fourth progress claim, for £1,683. 2. 7 on account of work completed under this Contract up to 30.4.53.

I certify that the total value of work completed up to 30.4.53 under this contract, for which payment may now be claimed in terms of the contract is

£5751 - 14 - 6

(Five thousand seven hundred and fifty one pounds fourteen shillings and sixpence)

Total value completed to 30.4.53	£5751 . 14 . 6 /
Retention	nil
	<u>£5751 . 14 . 6</u>
Less previous payments (1-3)	<u>4068 . 11 . 11 /</u>
Progress claim No 4 herewith:	<u>£1683 . 2 . 7 /</u>

Engineer's Certificate
& Voucher prepared
A.E.

J. Sutton

THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
OVERSEAS, INC
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

P.O. Box 644, AUCKLAND, C.I

Import Wharf Site,
French Street,
AUCKLAND, C.I

April 30th, 1953

The Chief Engineer
Auckland Harbour Board,
Quay Street,
Auckland, C.I.

Attention Mr. J.R. Sutton

A. H. B. CONTRACT No. 1323
STORMWATER SEWER
KING'S DRIVE

Dear Sir,

We have pleasure in submitting our Claim No. 4, covering the Month of April 30, 1953, for £1,683. 2. 7d.

Yours very truly,

C.F. Langton

C.F. Langton,
Office Manager.

Approved:

A. Campbell
A. Campbell,
Chief Engineer.

J.R.
9.5.53

AUCKLAND HARBOUR BOARD
Contract No. 1323

STORMWATER SEWER, KING'S DRIVE

Progress Claim No. 4 - for period ending April 30th, 1953

SUMMARY:

1.	Direct Purchases	£194.14. 0d ✓
2.	Indirect Purchases	8. 2. 4d ✓
3.	Hire charges ex F-M-R	556. 0. 0d ✓
4.	Direct Labour	386.12.11d ✓
5.	Sundry charges	326. 6. 3d ✓
6.	Holiday Pay allowance	19.13. 7d ✓
7.	Overhead (10% of Item 4)	38.13. 3d ✓
8.	Supervision	-----
9.	Fixed fee (10% of Items 1 to 8)	^{15-30.2.4} 153. 0. 3d ✓

Total: £1,683. 2. 7d ✓

FLETCHER-MERRITT-RAYMOND

at Langdon
Office Manager.

Approved:

C. Campbell
Chief Engineer.

PROGRESS CLAIM No. 4

1. Direct Purchases

ex Public works Mangakino

Hire sheetpile
1.3.53 to 28.3.53

117. 4. 0d

Baillie Brothers

37.10. 0d

New Zealand Marble Company

40. 0. 0d

194.14. 0d ✓

2. Indirect Purchases:

Kerosene 12 gallons at 2. 6d. gallon 1.10. 0d ✓

2 cylinders Acetylene
400 c.ft at 1. 3. 9d

4.15. 0d ✓

2 cylinders Oxygen
440 c.ft at 8. 6d

1.17. 4d ✓

8. 2. 4d ✓

3. Hire charges ex F-M-R

North West Crane 169 hours at £3. 0. 0d £507. 0. 0d ✓

" " "

(Bucket) 37 " " 10. 0d 18.10. 0d ✓

2 " Pumps 20 " " 12. 6d 12.10. 0d ✓

Air Hammer 36 " " 10. 0d 18. 0. 0d 556. 0. 0d ✓

4 - Labour:

Week Ending	7.4.53		54. 8.10d	
	14 " "		114. 6. 0d	
	21 " "		125.14.11d	
	28 " "		92. 3. 2d	
			<u> </u>	386.12.11d

5. SUBCONTRACT - W.A. Chenery Limited 326. 6. 3d

6. HOLIDAY PAY ALLOWANCE:

Week Ending	7.4.53	119½	at	5.7½d	33.12. 2d	
		23		4.10½d	5.12. 2d	39. 4. 4d
		<u> </u>				
"	"	14.4.53	224	at	5.7½d	63. 0. 0d
			40	"	4.10½d	9.15. 0d
			<u> </u>			72.15. 0d
"	"	21.4.53	220½	at	5.7½d	62. 0. 4d
			40	"	4.10½d	9.15. 0d
			<u> </u>			71.15. 4d
"	"	28.4.53	200	at	5.7½d	56. 5. 0d
			40	"	4.10½d	9.15. 0d
			<u> </u>			66. 0. 0d
						<u> </u>
						<u>£249.14. 8d</u>

7.88% of £249.14. 8d = £19.13. 7d

171
AUCKLAND HARBOUR BOARD

THE AUCKLAND HARBOUR BOARD
 P.O. BOX 1259

Dr. to **Messrs. Fletcher-Merritt-Raymond,**
 (Name of Claimant) **P.O. Box 644, AUCKLAND, C.I.**

Engineer's Department

For the undermentioned:

Order No.	Date Supplied	PARTICULARS IN FULL	Signature (A.H.B.)	Rate	£	s.	d.	TOTAL
		Third progress payment on account of Contract No. 1323 - Construction of Stormwater Sewer - King's Drive in accordance with Engineer's certificate No. 3 dated 20th April, 1953, attached.						
		Value of work to and including 31.3.53			4,068.	11.	11	
		Less Previous Payments			1,742.	14.	9	2,325 17 2

DUPLICATE

J. Duto

STORES	CAPITAL	MAINTENANCE	PRINCIPAL	LOAN A/C.	LOAN A/C.	£
--------	---------	-------------	-----------	-----------	-----------	---

PASSED BY COMMITTEE
 _____ Chairman
 _____ Member
 Date _____

Discount _____
NET TOTAL £ 2,325 17 2

Signature of Claimant _____
 Address _____

I CERTIFY, that to the best of my belief and knowledge the foregoing account is true and correct in every particular.

[Signature]
 CHIEF ENGINEER TO THE BOARD.

Received on the _____ 195 , from the Treasurer of the Auckland Harbour Board, the sum of _____ Pounds
 Shillings and _____ Pence, in full payment of the above Account.



AUCKLAND HARBOUR BOARD

CONTRACT NO. 1323 FOR Constructing Stormwater Sewer - King's Drive.

ENGINEER'S CERTIFICATE

Certificate No. 3 (Three) Date 20th April, 1953.

I hereby certify that the sum of two thousand three hundred and twenty five pounds seventeen shillings and two pence (£ 2,325.17. 2) is due to Messrs. Fletcher-Merritt-Raymond on Account of Contract No. 1323

DUPLICATE

Value of Work done to date	(31.3.53)	£ 4,068. 11. 11
Less Retention	£ Nil	
Less Previous Payments	£ 1,742. 14. 9	£ 1,742. 14. 9
Amount now certified		£ 2,325. 17. 2


Engineer to the Board.

Auckland Harbour Board

MEMORANDUM

FROM

*Resident Engineer
Import Wharf*

TO

15th April 1953

THE ENGINEER

8079

Intercepting Stormwater Sewer - Kings Drive.
Contract 1323.

Herewith letter from Contractor enclosing third progress claim, for £2325. 17. 2 on account of work completed under this contract up to 31. 3. 53.

I certify that the total value of work completed up to 31. 3. 53 under this contract for which payment may now be claimed in terms of the contract is:

£4068 - 11 - 11

(Four thousand and sixty eight pounds, eleven shillings and eleven pence)

Total value completed to 31. 3. 53	£ 4068 . 11 . 11
Retention	nil
	£ 4068 . 11 . 11
Less previous payments (1 + 2)	1742 . 14 . 9
Progress claim No 3 herewith	£ 2325 . 17 . 2

*Engineers Certificate
& Voucher prepared
A.E.T.*

J. Sutton

THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
OVERSEAS, INC.
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

P.O. Box 644, AUCKLAND, C.I

Import Wharf Site,
French Street,
AUCKLAND, C.I

April 7th, 1953.

The Chief Engineer
Auckland Harbour Board,
Quay Street,
Auckland, C.I.

Attention Mr. J.R. Sutton

A.H.B. CONTRACT NO. 1323
STORMWATER SEWER
KING'S DRIVE

Dear Sir,

We have pleasure in submitting our Claim No. 3,
covering the month of March 31, 1953, for ~~£2,335. 4. 2d.~~
£2,325. 17. 2.

Yours very truly,

C.F. Langton
C.F. Langton,
Office Manager.

Approved:

A. Campbell
A. Campbell,
Chief Engineer.

[Handwritten mark]
18.4.53

AUCKLAND HARBOUR BOARD CONTRACT No. 1323.

STORMWATER SEWER, KING'S DRIVE.

Progress Claim No. 3 - for period ending March 31, 1953.

Summary.

1.	Direct Purchases	297.	5.	2d	✓
2.	Indirect Purchases	42.	16.	2d	✓
3.	Hire charges ex F-M-R	660.	3.	9d	✓
4.	Direct Labour	524.	14.	5d	✓
5.	Sundry charges	469.	8.	8d	✓
		460.	18.	8.	✓
6.	Holiday pay allowance	26.	0.	9d	✓
7.	Overhead (10% of £524. 14. 5d)	52.	9.	5d	✓
8.	Supervision	50.	0.	0d	✓
		212.	5.	10d	✓
9.	Fixed fee (10% of items 1 to 8)	211.	8.	10.	✓
		32,335.	4.	2d	✓
	Total:	<u>£2,325.</u>	<u>17.</u>	<u>2.</u>	✓

FLETCHER-MERRITT-RAYMOND.

G. Langton
Office Manager.

Approved:

A. Campbell
Chief Engineers.

Progress Claim No. 31. Direct Purchases

ex J.J. Craig Limited - Hire Navy	40. 0. 0	
ex R.P.M. Manning		
12 Uniproduct Road Lamps	22. 17. 2	
ex Public works - Mangakino		
Hire sheet pile		
28.12.52 - 28.1.53	117. 4. 0	
29. 1.53 - 28.2.53	117. 4. 0	297. 5. 2d

2. Indirect Purchases.

31.3.53	1200 ft. trestle for Guard Rail 4"x2"	24. 0. 0	
" " "	700 ft. Rail " " " 8"x2"	14. 0. 0	
" " "	12 gallons Kerosene	1.10. 0	
" " "	1 cylinder - Acetylene		
	200 c.ft 1. 3. 9d	2. 7. 6	
	1 cylinder - oxygen		
	220 c.ft 8/6d	18. 8	42.16. 2d

3. Hire charges ex F-M-R

North west Crane	183 hrs.	@	£3. 0. 0	549. 0. 0d
" " " bucket	97½ "	"	10. 0	48.15. 0d
Michigan Crane	2 "	"	3.10. 0d	7. 0. 0d
Air Compressor	47 "	"	12. 6d	29. 7. 6d
5 ton truck	9½ "	"	17. 6d	8. 6. 3d
3" pump	13 "	"	15. 0d	9.15. 0d
Air hammer	16 "	"	10. 0d	8. 0. 0d

660. 3. 9d

4. Labour

As per payroll W/E	3.3.53	136.10.10d	
" " " "	10. 3.53	33.11.10d	
" " " "	17. 3.53	117. 3.10d	
" " " "	24. 3.53	105.18. 2d	
Retrospective pay		3. 2. 6d	
As per payroll W/E	31. 3.53	128. 7. 3d	524.14. 5d

5. Sub-Contract

ex W. A. Chenery Limited
Progress to 30.3.53

~~469. 8. 8~~
460. 18. 8.

6. Holiday Pay allowance

Week Ending	3.3.53	269	at	5. 6¾d	74.16. 4d	
" " " " "	" " "	32	"	4.10¼d	7.15. 4d	
" " " " "	" " "	6½	"	6. 3d	2. 0. 7d	
" " " " "	" " "	6½	"	5.10¼d	1.18. 1d	86.10. 4d
" " " " "	10.3.53	69	"	5. 6¾d	19. 3.10d	
" " " " "	" " "	12½	"	4.10¼d	3. 0. 8d	22. 4. 6d
" " " " "	17.3.53	11½	"	6. 1¼d	3.10. 2d	
" " " " "	" " "	16	"	5. 7d	4. 9. 4d	
" " " " "	" " "	200	"	5. 6¾d	55.12. 6d	
" " " " "	" " "	1	"	5. 5d	5. 5d	
" " " " "	" " "	41½	"	4.10¼d	10. 1. 5d	73.18.10d
" " " " "	24.3.53	200	"	5. 7¼d	56. 5. 0d	
" " " " "	" " "	40	"	4.10¼d	9.15. 0d	66. 0. 0d
" " " " "	31.3.53	256	"	5. 7¼d	72. 0. 0d	
" " " " "	" " "	40	"	4.10¼d	9.15. 0d	81.15. 0d

330. 8. 8d

7.88% of £330. 8. 8d

=

26. 0. 9d

Payments file Copy.

DUPLICATE AUCKLAND HARBOUR BOARD

THE AUCKLAND HARBOUR BOARD
P.O. BOX 1259

Dr. to

Engineer's Department

Messrs. Fletcher-Merritt-Raymond
P.O. Box 644, AUCKLAND, C.I.

For the undermentioned:

(Name of Claimant)

Order No.	Date Supplied	PARTICULARS IN FULL	Signature (A.H.B.)	Rate	£	s.	d.	TOTAL
		<p>Second progress payment on account of Contract No.1323 - Construction of Stormwater Sewer King's Drive in accordance with Engineer's Certificate No.2 dated 13th March, 1953, attached.</p> <p style="text-align: center; font-size: 2em; color: blue;">DUPLICATE</p> <p>Value of Work to and including 28.2.53</p> <p>Less Previous Payments</p>			£1,742.	14.	9	
					£1,006.	3.	2	736 11 7

STORES	CAPITAL	MAINTENANCE	PRINCIPAL	LOAN A/C.	LOAN A/C.			
--------	---------	-------------	-----------	-----------	-----------	--	--	--

PASSED BY COMMITTEE

..... Chairman

..... Member

Date

Discount

NET TOTAL £

736 11 7

Signature of Claimant

Address

I CERTIFY, that to the best of my belief and knowledge the foregoing account is true and correct in every particular.

H. H. McKinnon
CHIEF ENGINEER TO THE BOARD.

Received on the 195 , from the Treasurer of the Auckland Harbour Board, the sum of Pounds

Shillings and Pence, in full payment of the above Account.



AUCKLAND HARBOUR BOARD

CONTRACT NO. 1323 FOR Constructing Stormwater Sewer - King's Drive.

ENGINEER'S CERTIFICATE

Certificate No. 2 (two) Date 13th March, 1953.

I hereby certify that the sum of seven hundred and thirty six pounds
eleven shillings and seven pence (£ 736. 11. 7)
is due to Messrs. Fletcher-Merritt-Raymond on Account
of Contract No. 1323

DUPLICATE

Value of Work done to date	(28.2.53)	£ 1,742. 14. 9
Less Retention	£ NIL	
Less Previous Payments	£ 1,006. 3. 2	£ 1,006. 3. 2
Amount now certified		£ 736. 11. 7

M. L. Vickerman

Engineer to the Board.

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer,
Import Wharf.

5th March

1953

TO

THE ENGINEER

8079

Intercepting Stormwater Sewer, Kings Drive.
Contract 1323.

Herewith letter from the Contractor enclosing second progress claim, for £736.11.7 on account of work completed under this Contract up to 28.2.53.

I certify that the total value of work completed up to 28.2.53 under this contract for which payment may now be claimed in terms of the Contract is

£1742 - 14 - 9

(One thousand seven hundred and forty two pounds fourteen shillings and ninepence)

J. Sutton

Total value completed to 28.2.53	£1742. 14. 9
Retention	<u>Nil</u>
	£1742. 14. 9
Less previous payments	<u>1006. 3. 2</u>
Progress claim No 2 Herewith	<u>£ 736. 11. 7</u>

*Engineers Certificate
+ Voucher prepared.
A.E.*

THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
OVERSEAS, INC.
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

Import Wharf Site,
French Street,
AUCKLAND, C.I

P.O. Box 644, AUCKLAND, C.I

A.H.B. CONTRACT NO. 1323
STORMWATER SEWER
KING'S DRIVE

March 4, 1953.

The Chief Engineer,
Auckland Harbour Board,
Quay Street,
Auckland, C.I.

Attention Mr. J.R. Sutton.

Dear Sir,

We have pleasure in submitting our Claim No.2, cov-
ering the month of February 1953, for ^{£736. 11. 7} ~~£752. 0. 11.~~ *JS*

Yours very truly,

C.F. Langton

C.F. Langton,
Office Manager.

*Engineer's Certificate
& Voucher prepared
A.F.*

Approved.

A. Campbell
A. Campbell,
Chief Engineer.

JS
5-3-53

AUCKLAND HARBOUR BOARD CONTRACT No. 1323

STORMWATER SEWER, KING'S DRIVE.

Progress Claim No.2 - for Period Ending February 28, 1953.

Summary.

1. Direct Purchases	410 1 6 ✓ 424. 2. 9.
2. Indirect "	9. 7. 11. ✓
3. Hire Charges ex F-M-R.	184. 8. 9. ✓
4. Direct Labour	57. 0. 9 ✓
5. Sundry Charges	NIL
6. Holiday Pay Allowance	2.19. 4 ✓
7. Overhead Charges (10% of £57. 0. 9.)	5.14. 1 ✓
8. Supervision	69. 14. 2 NIL
9. Fixed Fee (10% of Items 1 to 8)	68. 7. 4 ✓ 66. 19. 3
Total:	£752. 0. 11 <u><u>786. 11. 7</u></u>

FLETCHER-MERRITT-RAYMOND.

B. Langford

Office Manager.

Approved:

A. Campbell
Chief Engineer.

AUCKLAND HARBOUR BOARD CONTRACT No. 1323

STORMWATER SEWER, KING'S DRIVE.

Progress Claim No.2 - for Period Ending February 28, 1953

1. Direct Purchases.

Ex Hume Industries N.Z. Ltd.

13 - 18" x 8' S & F. Pipes	82. 3. 2	
17 - 12" x 6' " "	81. 15. 0	}
1 - 12" x 3' " "		
18 - 9" x 6' " "		
1 - 9" x 3' " "		
		163. 18. 2

Ex J. H. Buckland & Co. Ltd.

1 - 3" x 2½" Galvanised Bush		10. 6
1 - 10 lb. Sledge Hammer	}	
4 - Shovels		
1 - Primus Stove		
1 - Sledge Hammer Handle		
4 - Single L.P. Blocks 4"		
4 - Double " " 4"		
	<i>Not chargeable.</i>	14. 1. 3

Ex Public Works Mangakino
Hire Charges Sheet Piling
To 28.1253

226. 0. 7

Ex Vulcan Steel Construction Co.

To making 2" B.S. Shafting	2. 4. 9	
" " 6" Bucket teeth	17. 7. 6	19. 12. 3

less
£424. 2. 9
12. 1. 3
£410. 1. 6

2. Indirect Purchases.

Ex F-M-R Store.

(4 - 105' ½" Manilla Rope	3. 3. 0	
(4 - 3 gallons Kerosene	7. 6	
5 - 1 " white marking paint	1. 11. 3	
23 - 25'-½" Manilla Rope	15. 0	
2 gallons Kerosene	5. 0	
25 1 cyl. Acetylene 200 c.ft @ £1. 3. 9	2. 7. 6	
1 cyl. Oxygen 220 c.ft @ 8/6d	18. 8	9. 7. 11

C/Fwd.

STORMWATER SEWER, KING'S DRIVE.

3. Hire Charges ex F-M-R.

N.W. Crane	45 hrs.	£3. 0. 0 hr.	135. 0. 0 ✓	
Whirler "	10½ "	3. 0. 0 "	31.10. 0 ✓	
Air Comp.	17½ "	12. 6 "	10.18. 9	
Bulldozer	2 "	3.10. 0 "	7. 0. 0 ✓	
Truck	2 "	No. Charge		184. 8. 9

Note: Bulldozer rate includes operators wages.

4. Progress Claim No.2

Labour.

<u>Week Ending</u>	3.2.53		NIL	
	10.2.53		18. 0. 8	
	17.2.53		10. 2. 2	
	24.2.53		28.17.11	57. 0. 9

6. Holiday Pay Allowance.

(7.88% of Ordinary Hour).

<u>Week Ending</u>	10.2.53	4½ hrs.	5/5	1. 4. 5	
		15 "	4/10¼	3.12.10	
		3 "	6/3	18. 9	
		4 "	5/10¼	1. 3. 5	
		12 "	5/ 6¾	3. 6. 9	
		3½ "	6/ 1¼	1. 1. 4	
		3½ "	5/ 9¾	1. 0. 4	
		3½ "	5/ 7	19. 6	13. 7. 4
<u>Week Ending</u>	17.2.53	4 "	6/ 1¼	1. 4. 5	
		4 "	5/ 9¾	1. 3. 3	
		4 "	5/ 7	1. 2. 4	
		7 "	4/10¼	1.14. 0	5. 4. 0
<u>Week Ending</u>	24.2.53	68½ "	5/ 6¾	19. 1. 0	19. 1. 0

£37.12. 4

7.88% of £37.12.4 = £2.19.4

771

AUCKLAND HARBOUR BOARD

CONTRACT NO. 1323 FOR Constructing Stormwater Sewer Kings Drive.

ENGINEER'S CERTIFICATE

Certificate No. 1 (One) Date 17th February, 1953.

DUPLICATE

I hereby certify that the sum of One thousand and six pounds three shillings and two pence. (£ 1,006. 3. 2)

is due to Messrs. Fletcher-Merritt-Raymond, on Account of Contract No. 1323

Value of Work done to date	(31.1.53)	£ 1,006. 3. 2
Less Retention	£ Nil	
Less Previous Payments	£ Nil	£
Amount now certified		£ 1,006. 3. 2

H. L. Vickerman

Engineer to the Board.

AUCKLAND HARBOUR BOARD

28 FEB 1953

THE AUCKLAND HARBOUR BOARD
P.O. BOX 1259

Dr. to

Messrs. Fletcher-Merritt-Raymond

Engineer's Department

For the undermentioned:

(Name of Claimant) P.O. Box 644, AUCKLAND, C.I.

Order No.	Date Supplied	PARTICULARS IN FULL	Signature (A.H.B.)	Rate	£	s.	d.	TOTAL
		<p>First progress payment on account of Contract No.1323 - Construction of Stormwater Sewer, Kings Drive in accordance with Engineer's Certificate No.1 dated 17th February, 1953, attached.</p> <p style="text-align: center; font-size: 2em; opacity: 0.5;">DUPLICATE</p> <p>Value of Work Done to and including 31.1.53.</p>	<p><i>J. Dutton</i></p>					1,006 3 2

STORES	CAPITAL	MAINTENANCE	PRINCIPAL	LOAN A/C.	LOAN A/C.	£
--------	---------	-------------	-----------	-----------	-----------	---

PASSED BY COMMITTEE

..... Chairman

..... Member

Date

Discount

NET TOTAL £ 1,006 3 2

Signature of Claimant

Address

I CERTIFY, that to the best of my belief and knowledge the foregoing account is true and correct in every particular.

H. H. McKerran
CHIEF ENGINEER TO THE BOARD.

Received on the 195 , from the Treasurer of the Auckland Harbour Board, the sum of Pounds
Shillings and Pence, in full payment of the above Account.

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Inport Wharf

TO

10th February 1953
THE ENGINEER

8079

Intercepting Stormwater Sewer - Kings Drive
Contract 1323.

Herewith letter from the Contractor enclosing first progress claim, for £1006. 3. 2, on account of work completed under this Contract up to 31.1.53.

I certify that the total value of work completed up to 31.1.53 under this Contract for which payment may now be claimed in terms of the Contract is

£1006 - 3 - 2.

(One thousand and six pounds three shillings and twopence)

J. Sutton

Total value completed to 31.1.53	£1,006. 3. 2
Retention	<u>Nil</u>
	£1,006. 3. 2
Less previous payments	<u>Nil</u>
Amount now payable	<u>£1,006. 3. 2</u>

THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
OVERSEAS, INC.
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

Import Wharf Site,
French Street,
AUCKLAND, C.I

P.O. Box 644, AUCKLAND, C.I

A. H. B. CONTRACT NO. 1323
STORMWATER SEWER
KING'S DRIVE

February 5, 1953.

The Chief Engineer,
Auckland Harbour Board,
Quay Street,
Auckland, C.I.

Attention Mr. J.R. Sutton.

Dear Sir,

We have pleasure in submitting our Claim, completed
as at January 31, 1953 for £1,006. 3. 2., covering the First
Progress Payment under the above contract.

Yours very truly,

C.F. Langton

C.F. Langton,
Office Manager.

Approved.

A. Campbell
A. Campbell,
Chief Engineer.

JS
9.2.53

AUCKLAND HARBOUR BOARD CONTRACT No. 1323

STORMWATER SEWER, KING'S DRIVE.

Progress Claim No.1 - for Period Ending January 31, 1953.

Summary.

1. Direct Purchases		418. 18. 4	✓
2. Indirect "		153. 19. 9	✓
3. Hire Charges ex F-M-R.		64. 18. 0	
4. Direct Labour		92. 9. 5	✓
5. Sundry Charges:			
Public Liability Insurance	39. 8. 9		
Workers Compensation	<u>129. 14. 5</u>	169. 3. 2	✓
6. Holiday Pay Allowance		6. 0. 2	✓
7. Overhead Charges (10% of £92. 9. 5.)		9. 4. 11	✓
8. Supervision	915.13.9	Nil.	
9. Fixed Fee (10% of Items 1 to 8)		91. 9. 5	✓
		<hr/>	
	Total:	<u>£ 1,006. 3. 2</u>	✓

FLETCHER-MERRITT-RAYMOND.

H. Langlin
Office Manager.

Approved:

C. Campbell
Chief Engineer.

9.2.53

AUCKLAND HARBOUR BOARD CONTRACT No. 1323
STORMWATER SEWER, KING'S DRIVE.

Progress Claim No.1 - for Period Ending January 31, 1953.

1. Direct Purchases.

Ex Hume Industries N.Z. Ltd.

13 - 18" x 8' S. & F. Pipes	82. 3. 2	
11 - 18" x 8' " "	69. 10. 5	
36 - 12" x 6' " "	93. 19. 2	
1 - 18" x 4' " ")	66. 7. 2	311. 19. 11
10 - 18" x 8' " ")		

Ex Crum Brick Tile Co. Ltd.

15 - 6" Pipes		
4 - 6/6" Sq. Junctions		9. 6. 5
3 - 6" Bends 90		

Ex Cambridge Transport Co.

Cartage Sheet Pile ex Mangakino to Tokoroa Rail		78. 3. 4
--	--	----------

Ex J.J. Craig Ltd.

Cartage Sheet Pile ex Rail to Import Wharf		19. 8. 8
---	--	----------

£ 418. 18. 4

2. Indirect Purchases.

Ex Store.

250' $\frac{1}{2}$ " Manilla Rope	7. 10. 0	
1 - $2\frac{1}{2}$ " M. & F. Bend	1. 5. 3	
1 - $2\frac{1}{2}$ " Brl. Nipple 6" long	9. 6	
1 - $2\frac{1}{2}$ " x 2" Reducing Bush	8. 1	
1 - $2\frac{1}{2}$ " x 1" " "	8. 1	
1 - 1" Plug	1. 0	
170' $\frac{3}{4}$ " Galv. Pipe @ 1/2 $\frac{3}{4}$ d	10. 8. 11	
13 - $\frac{3}{4}$ " Sockets @ 1/-	13. 0	
4 - $\frac{3}{4}$ " Brl. Unions @ 4/6d	18. 0	
2 - $2\frac{1}{2}$ " Galv. Brl. Unions @ £1.8.10	2. 17. 8	
240' $2\frac{1}{2}$ " Piping @ 7/6 $\frac{1}{4}$ d	90. 5. 0	
7 - $2\frac{1}{2}$ " Sockets @ 7/6d	2. 12. 6	
3 - $2\frac{1}{2}$ " Brl. Unions @ £1.8.10	4. 6. 6	
C/fwd.	122. 3. 6	

STORMWATER SEWER, KING'S DRIVE.

Progress Claim No.1.

2. Indirect Purchases (cont'd.)

<u>Ex Store.</u>	<u>B/fwd.</u>	<u>122.</u>	<u>3.</u>	<u>6</u>
1 - 2½" Bronze Globe Valve		8.	6.	5
1 - 2" " " "		4.	3.	4
1 - 2½" Tee			18.	0
1 - 2½" x 3" long Brl.Nipple			7.	0
90' ¾" Galv. Pipe @ 1/23d		5.	10.	7
8 - ¾" Galv. Sockets @ 1/-			8.	0
1 - ¾" Hose Cock			16.	3
1 - ¾" M.& F. Bend			2.	3
1 - ¾" Tee			2.	1
1 - ¾" Elbow			1.	10
2 cyls. Acetylene = 400 cu.ft. @ £1.3.9		4.	15.	0
4 " Oxygen = 880 cu.ft. @ 8/6d		3.	14.	9
300 ft. 6-gauge Aircraft Electrodes @ 16/11d		2.	10.	9
			<u>153.</u>	<u>19. 9</u>

3. Hire Charges ex F-M-R.

N.W. Crane.	Nov.-Dec.	6 hrs.			
	Jan.	13 "			
		19 "			
		19 hrs. @ £2.10.0 hr.	47.	10.	0
Truck 5-ton.	Jan.	1 hr. @ £1.0.0 hr.	1.	0.	0
" 2-ton.	Jan.	1 hr. @ No charge	-		
Welding Mch.	Nov.-Dec.	19 hrs.			
	Jan.	63 "			
		82 "			
		82 hrs. @ 4/- hr. ✓	16.	8.	0
Oxy-acetylene Plant.	Nov.-Dec.	6 hrs.			
	Jan.	49½ "			
		55½ "			
		55½ hrs. @ No charge	-		
				<u>64.</u>	<u>18. 0</u>

*This was undercharged -
charges have been
3/1-10/6
A.M.*

82

STORMWATER SEWER, KING'S DRIVE.

Progress Claim No.1.

4. Labour.

Payrolls w/e. 18/11/52	2. 1. 0	
" 25/11/52	13. 14. 1	
" 9/12/52	3. 3. 8	
" 13/1/53	30. 14. 5	
" 20/1/53	37. 16. 5	
" 27/1/53	<u>4. 19. 10</u>	<u>92. 9. 5</u>

6. Holiday Pay Allowance.

(7.88% of ordinary hours)

W/e. 18/11/52	6½ hrs. 6/3¼		2. 1. 0
" 25/11/52	3 " 6/3	18. 9	
	6 " 5/10¼	1.15. 2	
	18 " 5/6¾	5. 0. 2	
	19 " 6/3¾	<u>6. 0. 0</u>	13. 14. 1
" 9/12/52	1 " 5/5	5. 5	
	12 " 4/10¼	<u>2.18. 3</u>	3. 3. 8
" 13/1/53	64½ " 5/6¾	17.18. 9	
	16 " 6/3¾	<u>5. 1. 0</u>	22. 19. 9
" 20/1/53	4½ " 6/4¼	1. 8. 7	
	24 " 5/8	6.16. 0	
	32 " 6/3¾	10. 2. 0	
	32½ " 5/6¾	9. 0. 9	
	3 " 5/5	16. 3	
	8 " 4/10¼	1.18.10	
	1 " 5/1½	<u>5. 1</u>	30. 7. 6
" 27/1/53	12½ " 6/3¾		<u>3. 18. 11</u>
		7.88% of	76. 4. 11 = <u>£ 6. 0. 2</u>

771

771

T

FILE NO. 771.

EASTERN FORESHORE RECLAMATION DRAINAGE.

- INCLUDING KING'S DRIVE DRAINS -

VARIOUS.

Includes Contract No. 1323 Intercepting
Stormwater Sewer Kings Drive.

See Secretary's File 206/103.

771
141/235 Drainage
1925. 1961. Eastern Reclamation

CITY OF AUCKLAND

DEPARTMENT OF WORKS & SERVICES

TOWN HALL, AUCKLAND, C.1

IN REPLY
PLEASE QUOTE NCG.WD.

30th March, 1961.

The Chief Engineer,
Auckland Harbour Bd.,
Quay St.,
AUCKLAND.

Dear Sir,

Parnell Stormwater Sewer Outfall at Freyberg Wharf
Discharge of Sewage.

In reply to your letter of 23rd March concerning this matter I wish to advise that a blocked sewer in Tinley Street was the cause of the trouble.

The obstruction has been cleared and the stormwater sewer is now functioning normally.

Yours faithfully,

A.J. DICKSON
DIRECTOR OF WORKS & CITY ENGINEER.

Per:



Mr Seagar.

As letter,

I cannot see how a F.W. sewer in
Tinley St., has any tie up with
the main SW sewer from Parnell.

File

Ad. 2/4/61.

23rd March, 1961.

The City Engineer,
Auckland City Council,
Private Bag,
AUCKLAND C.1.

Dear Sir,

PARNELL STORMWATER SEWER OUTFALL AT FREYBERG
WHARF - DISCHARGE OF SEWAGE

The large stormwater sewer which drains Parnell was extended during the construction of Freyberg Wharf and drains into the Jellicoe Wharf-Freyberg Wharf basin near the west gusset of Freyberg Wharf. During the construction of the wharf there were a number of instances when crude sewage was discharged creating an offense in the area. One of these instances during November, 1959 was of sufficient severity that a stoppage of work was threatened and a letter was forwarded to the Drainage Board and through them to yourself.

During the past week there have been two further bad instances of the discharge into the harbour of crude sewage through this sewer, on 14th March and again on 20th March. Both of these incidents occurred during fine weather and the stench was reported to be most revolting. Any repetition could easily result in a stoppage of work by wharf labour and I must therefore request your assurance that you will take steps to prevent the indiscriminate discharge of sewage direct into the harbour and to ensure that, in the event of any accidental discharge taking place into this stormwater sewer, the resulting effluent will be dealt with in such manner as is necessary to minimise offence.

In this connection I should point out that in order to allow craft to lie safely alongside the breastwork it was necessary to carry the breastwork facing some 4'6" below the soffit of the sewer. This has the effect of retaining floating solids until the tide falls to the level of the bottom of the "skirt" and it is therefore possible to take steps to deal with the contained offensive matter before it finds its way into the basin.

Yours faithfully,

JAG:HEW

CHIEF ENGINEER TO THE BOARD

23rd March, 1961.

The City Engineer,
Auckland City Council,
Private Bag,
AUCKLAND C.1.

Dear Sir,

PARNELL STORMWATER SEWER OUTFALL AT FREYBERG
WHARF - DISCHARGE OF SEWAGE

The large stormwater sewer which drains Parnell was extended during the construction of Freyberg Wharf and drains into the Jellicoe Wharf-Freyberg Wharf basin near the west gusset of Freyberg Wharf. During the construction of the wharf there were a number of instances when crude sewage was discharged creating an offense in the area. One of these instances during November, 1959 was of sufficient severity that a stoppage of work was threatened and a letter was forwarded to the Drainage Board and through them to yourself.

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Yours faithfully,

CHIEF ENGINEER TO THE BOARD

JAG:HEW

Auckland Harbour Board

MEMORANDUM

20th. March, 1961.

FROM

CONSTRUCTION ENGINEER.

TO

ENGINEER.

STORMWATER SEWER OUTFALL - FREYBERG WHARF.

Re the Traffic Manager's Memorandum of 14th. March and the unsatisfactory discharge from the Main Sewer between Freyberg Wharf and E.V.L.

During the construction of Freyberg Wharf I had an arrangement with Mr. Pickering of the City Council, that he be advised immediately an unsatisfactory discharge was noted, and he would investigate. This method was in vogue from some twelve months from November 1959, but whether the Council were able to reduce the nuisance I have never been advised, but present indications are that no success was achieved.

Today a particularly ^{bad} occurrence was reported to this office and the Council notified.

It appears to me that unfortunately any major overflow of

is made worse on occasions by a hind the breastwork facing skirt of the sewer, so that the sewer becomes, the contained large volume of ed.

ve to be brought on the City Council isance.

Auckland Harbour Board.

Mr Goodsie

whose responsibility is this - Add DB or AB?

Suggest a stiff letter to the one with copy to the other

J.S.

21.3.61

J. Seaman

Construction Engineer.

Auckland Harbour Board

MEMORANDUM

20th. March, 1961.

FROM

CONSTRUCTION ENGINEER.

TO

ENGINEER.

STORMWATER SEWER OUTFALL - FREYBERG WHARF.

Re the Traffic Manager's Memorandum of 14th. March and the unsatisfactory discharge from the Main Sewer between Freyberg Wharf and E.V.L.

During the construction of Freyberg Wharf I had an arrangement with Mr. Pickering of the City Council, that he be advised immediately an unsatisfactory discharge was noted, and he would investigate. This method was in vogue from some twelve months from November 1959, but whether the Council were able to reduce the nuisance I have never been advised, but present indications are that no success was achieved.

Today a particularly ^{bad.} occurrence was reported to this office and the Council notified.

It appears to me that unfortunately any major overflow of sewage into this stormwater system is made worse on occasions by a rising tide trapping the sewage behind the breastwork facing skirt which is 4'6" deep from the head of the sewer, so that the sewer becomes a holding tank. As the tide falls, the contained large volume of unsatisfactory discharge is released.

Further pressure will have to be brought on the City Council and Drainage Board to stop this nuisance.

Sheep.
Construction Engineer.

Auckland Harbour Board

MEMORANDUM

14th March 1961

FROM

THE TRAFFIC MANAGER
AND CHIEF WHARFINGER

TO

THE CHIEF ENGINEER

20 MAR 1961

I wish to advise that the Shed Supervisor, Freyberg Wharf, has reported a discharge of oil, filth and sewage at Freyberg Wharf locality.

The pollution occurs on the ebb tide and appears to come from an outlet in the breastwork between Jellicoe and Freyberg Wharves.

It is stated that at times the stench is most revolting and if this discharge is permitted to continue it could cause trouble when wharf workers are required to work in the vicinity stated.

J.R. Miller
TRAFFIC MANAGER AND CHIEF WHARFINGER

Mr. Seagar.

*See over letter of 16.11.59 and
Drainage Bd. Reply of 19.11.59.*

Your comments please.

J.S.

20.3.61

AUCKLAND METROPOLITAN DRAINAGE BOARD

Telegraphic Address:
"METDRAIN"

TELEPHONE No. 34-764 (3 Lines)

OUR REF. WLM:JM 7/5/1

YOUR REF.

28 QUAY STREET,

AUCKLAND, C.I.,

NEW ZEALAND.

(PLEASE ADDRESS CORRESPONDENCE TO P.O. BOX 208, AUCKLAND)

19th November, 1959.

The Chief Engineer,
Auckland Harbour Board,
P.O. Box 1259,
AUCKLAND, C.I.

Dear Sir,

Stormwater Sewer Overflow - Freyberg Wharf.

I acknowledge receipt of your letter dated 16th November 1959, concerning discharges of sewage and oil through the stormwater sewer near the Eastern Vehicular Ferry Landing.

Your complaint has been taken up with the City Engineer, as it is most probable that the trouble originates in the city reticulation system, and we are co-operating with the City Council in an endeavour to remedy the position as soon as possible.

Yours faithfully,
C. C. Collom
Chief Engineer.

Per: *W. L. Mynott*
(W. L. Mynott)
Asst. Chief Engineer.

cler Seagar

*Work Area Freyberg Wharf
Contractor Adams that makes
being investigated.*

[Signature]

25.11.59.

16th November, 1959.

The Chief Engineer,
Auckland Metropolitan Drainage Board,
P.O. Box 208,
AUCKLAND C.1.

Dear Sir,

STORMWATER SEWER OUTFALL- FREYBERG WHARF

I have received a complaint from the Contractor at Freyberg Wharf that crude sewage is being discharged into the harbour from the stormwater sewer adjacent to his work. This is the rectangular sewer discharging through the breastwork just east of Eastern Vehicular Ferry Landing. His workmen have complained to their Union, and I understand, to the Health Department.

I appreciate that under certain conditions of very heavy discharge of stormwater this condition could arise, but apparently the complaint refers to times of dry weather flow. Upon occasions a considerable quantity of oil appears to be discharge also.

If you could assist me in dealing with this complaint I should be grateful. If your officers require any details, I should be pleased if they would get in touch with my Construction Engineer, Mr. N. Seagar, (telephone 33-200, extension 753).

Yours faithfully,

CHIEF ENGINEER TO THE BOARD

JRS:HEB

Auckland Harbour Board

MEMORANDUM

12th November, 1959.

FROM

CONSTRUCTION ENGINEER.

TO

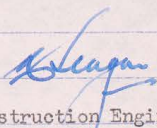
ENGINEER.

FREYBERG WHARF - S.W. OUTFALL.

I have been advised by the Contractor that the large stormwater sewer at the west gusset of the wharf is discharging crude sewage on occasions.

This sewage has been carried under the wharf where the Contractor's men are engaged on stripping etc., and they have complained to their Union, who is I understand, approaching the Health Dept.

As this is also a matter between the Board and the Authorities controlling this sewer, it should be investigated and the nuisance arrested.


Construction Engineer.

NS.D.M.W.

Auckland Harbour Board

No 23549

INSTRUCTIONS TO FOREMEN & INSPECTORS

ENGINEER'S OFFICE,

To THE OFFICER IN CHARGE GEAR & TOOLS.

Date 22nd February, 1955.

Subject LARSEN STEEL SHEET PILING NO. 2.

Please take into Gear and Tools the
undermentioned ex Eastern Reclamation No. 3.
Sewer Diverson:

431'6"

4,688 lineal feet (300 pieces of lengths 7ft.
to 25ft.) of Larsen Steel Sheet Piling No. 2.
Weight 68 tons 12 cwt. 1 qr. 27 lbs. value
£1,169.12. 1d.

N. L. Vickerman
Engineer to the Board.

Intercepting Stormwater Sewer Kings Drive

Fletcher Merritt Raymond.		£15079-15-3
Harbour Board labour	£358-10-1	
" " office "	£245-5-11	
" " stores sundry.	£104-19-10	
" " cartage	£29-17-8	
" " Plant	£299-18-7	
Blue Prints	£2-13-0	
Post + Telegraph Dept more wires	£12-3-11	
Hire of loaders - Sloan	£59-6-3	
" " " Bishop	£44-12-3	
Public Works - Hire of sheet piling	£1286-16-1	+
Purchase of coarse metal	£115-9-9	
Concrete	£100-10-0	
On cost loading	£59-12-7	£2699-15-11
		<u>£17779-11-2</u>

70 tons fishing. purchased at £34 per ton.

suggested at £25 per ton = £1750.

24
2310

THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
OVERSEAS, INC.
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

P.O. Box 644, AUCKLAND, C.I.

Import Wharf Site,
French Street,
AUCKLAND, C.I.

October 20, 1953.

Auckland Harbour Board,
Quay Street,
Auckland, C.I.

Attention: - Mr. J.R. Sutton.

Dear Sir,

CONTRACT NO. 1323 -
INTERCEPTING STORMWATER SEWER, King's Drive.

We are in receipt of your letter of October 14, 1953,
in which you state the above Contract may be considered as
completed.

It will be agreeable to us if the terms of Clause 11,
covering the 90 day maintenance period be waived for the reasons
put forth by Mr. Sutton.

Yours very truly,


A. Campbell,
Chief Engineer.

Aut.

Noted.
23.10.53

14th October, 1953.

The Chief Engineer,
Messrs. Fletcher-Merritt-Raymond,
P.O. Box 644,
AUCKLAND, C.I.

Dear Sir,

CONTRACT No. 1323 - INTERCEPTING STORMWATER
SEWER - KINGS DRIVE:

Receipt is acknowledged of your letter dated 6th instant submitting your final Claim under the abovementioned Contract. The Contract may be considered as being completed on 6th October, 1953.

In terms of Clause 11 of the Contract, the Contractor shall maintain the works for 90 days but in this instance I am agreeable to the maintenance period being waived.

The Resident Engineer reports that he has discussed this matter with you and that you concur.

I should be pleased if you would confirm this in writing.

Yours faithfully,

CHIEF ENGINEER TO THE BOARD.

COPY SENT TO THE RESIDENT ENGINEER.

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Import wharf

8th September 1953

TO

THE ENGINEER

8079

Intercepting Storm Water Sewer - Kings Drive.

Contract 1323

Sheet-piling on hire from dl. C. W.

(Refers to my memo of 9.6.53)

Herewith a/c from S.W.D. for hire of steel sheet-piling for period 28.7.53 to 28.8.53.

Up to and including 28.7.53, £1046. 8. 8¹/₂ has been paid in hire.

If we are purchasing the piling, and hire charges already paid have been allowed for as at 28.7.53, this a/c is not payable.

J. Sutton

DETAILS OF HIRE CHARGES DEBITED TO MESSRS. FLETCHER-
MERRITT-RAYMOND LTD.

<u>PWS 14</u> <u>Dkt.No.</u>	<u>Period</u>	<u>Amount</u>	
241	3/28.11.52.	£ 108.16.7.	Paid
242	28.11.52.-28.12.52.	117. 4.0.	"
243	28.12.52.-28.1. 53.	117. 4.0.	"
244	28.1.53. -28.2. 53.	117. 4.0.	"
245	28.2.53. -28.3. 53.	117. 4.0.	"
246	28.3.53. -28.4. 53.	117. 4.0.	"
247	28.4.53. -28.5. 53.	117. 4.0.	"
248	28.5.53. -28.6.53.	117. 4.0.	"
249	28.6.53. -28.7. 53.	<u>117. 4.0.</u>	" £ 1046.8.7.
250	28.7.53. -28.8. 53.	117. 4.0.	Not Paid <u>117.4.0.</u>
			<u>1163.12.7.</u>

28th. August, 1953.

The Stores Manager,
Ministry of Works,
WELLINGTON, C.I.

Dear Sir,

SHEET PILING.

With reference to your P.W.32/240, dated 31st. July, 1953, I wish to confirm that this Board is prepared to take over the Larssen No.2 steel sheet piling ex Mangakino and at present on loan to us, at the agreed price of £34/-/- per ton, less hire charges already paid.

I enclose Official Order No.17.H, and would be glad if you would arrange accordingly.

Public Works Dept Mangakino

Yours faithfully,

*4515 1/2
4855* *lin ft.*

68 tons 12 cwt 19 x 27 lbs

at £34 ton = £2333-4 8 less hire charges paid £1163-12 7 = £1169-12 1

Sept 1953 Vouchers

CHIEF ENGINEER TO THE BOARD.

2/0 No 21 Easton Rock No 3 (See enclosure)

Transferred to Genl Tools Engineers c/o

22nd July 1955

JL 196 of 4153

ADDRESS REPLY TO
THE STORES MANAGER,
MINISTRY OF WORKS,
WELLINGTON, C. I.



MINISTRY OF WORKS

IN REPLYING

P.W. 32/240

PLEASE QUOTE THESE NUMBERS

WELLINGTON C. I., N.Z.

31st July, 1953.

The Chief Engineer,
Auckland Harbour Board,
P.O. Box 1259,
AUCKLAND.

Dear Sir,

Sheet Piling.

With reference to your letter of 12th June regarding Sheet Piling on hire from Mangakino, I have to advise that this Department is prepared to dispose of the Sheet Piling to the Board and the price would be £34 per ton, less hire charges already paid.

If you are prepared to purchase the Piling on these terms please forward an official order to me and I will arrange for the transaction to be finalised.

Yours faithfully,

O. Conibear
Stores Manager
(O.CONIBEAR)

W.C.

[P.W.—150a

Address Reply to:
"The Commissioner of Works,
Ministry of Works,
WELLINGTON C.1."

Telegraphic Address,
"COMWORKS."

Telephone: 46-084.
47-075.



NEW ZEALAND

IN REPLYING PLEASE QUOTE THESE NUMBERS.

W. P.W. 32/240

MINISTRY OF WORKS

P.O. BOX 8024,

GOVERNMENT BUILDINGS,

WELLINGTON C. 1., N.Z.,

23rd June, 1953.

SHEET PILING.

Dear Sir,

In reply to your letter of the 12th June, 1953,
concerning steel sheet piling, I am looking into the matter
and will advise you further in the course of a few days.

Yours faithfully,

Handwritten signature of E.R. McKillop in dark ink.

E.R. McKILLOP,
Commissioner of Works.

J.
The Chief Engineer to the Board,
Auckland Harbour Board,
P.O. Box 1259,
AUCKLAND. C.1.

Λ

12th June, 1953.

The Commissioner of Works,
Ministry of Works,
WELLINGTON, C.I.

Dear Sir,

SHEET PILING.

On 4th August last you approved the release of steel sheetpiling from Mangakino for use by Fletcher-Merritt-Raymond in the construction of a stormwater sewer for the Auckland Harbour Board. The sheetpiling, totalling 4,688 lin. ft. was received on 3rd November, since when hire charges have accrued and are in effect being paid by the Board since the work is being done on a cost plus fee basis.

During the currency of the work some damage has occurred to the heads and/or toes of piles and lengths have been altered by cutting and welding.

It is now desired to know whether your Department would consider disposing of the sheetpiling to the Board and if so the price and whether the accrued hire charges would be offset against purchase price.

Yours faithfully,

JAG.JS.

CHIEF ENGINEER TO THE BOARD.

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Import Wharf.

TO

9th June 1953
THE ENGINEER

8079

Intercepting S. W. Sewer - Kings Drive

Contract 1323

Sheet Piling on Hire from M. O. W.

We have on hire from Ministry of Works sheet piling as under:

Received ex Public Works Dept. Stores Branch, Mangakino, 300 pieces - 4688 l. ft. of Larsen No 2 Steel Sheet Piling approx. 70 tons. Lengths 7 ft. to 25 ft.

Hire charge 6^s per l. ft. per month.

Hire commenced 3.11.52, and up to 27.5.53, hire charges amounting to £812.0.5 have been paid.

(£117.4.0 per month)

In addition we paid cartage PWD Mangakino to rail at Tokoroa £78.3.4 and cartage rail at Auckland to Import Wharf £19.8.8 - Total £97.12.0

We have not yet been charged rail freight Tokoroa to Auckland although this was incurred in November.

Thus total charge to 27.5.53 is £909.12.5.

(Contract 1374 schedule rate for new No 2 sheet piling is £52.15.6 per ton C.I.F.E.)

J. Sutton



SOUTH BRITISH INSURANCE BUILDING
5-7 SHORTLAND STREET
AUCKLAND, C.1

11th March 1953

ALL COMMUNICATIONS
TO BE ADDRESSED TO

THE MANAGER

C.P.O. BOXES 27 & 28, AUCKLAND
TELEPHONE 32-032

The Auckland Harbour Board
Box 1259
AUCKLAND

Dear Sir,

11/2
OPEN COVER NO. 569 £1700

Storm water sewer i.c.c. constr.

incl. materials on site

Quay St. Auckland

Auckland Harbour Bd. Principals

and Fletcher Merritt Raymond

contractors

The above cover has been renewed
From : 11th March To : 11th April

Please advise if any alteration is
required, or if permanent Insurance may
be arranged.

Yours faithfully,
C. A. ROWE.
Manager.

Per:- *gmm*

*Seen
C.A.R.*

5.9.41.T.

7 v

67 at 11 am off
+ 2 after days work
necessarily Amusement

///

Public Health
getting work
Amusement

25th February, 1953

The Chief Engineer,
Auckland Electric-power Board,
Private Bag, C.P.O.,
Auckland C. 1

Dear Sir,

Kings Drive - Construction of Stormwater Sewer

Your invoices 1312 and 1313 for a total sum of £969.17. 7 in connection with the above work have been received and passed for payment. I thank you for carrying this work out to meet the Board's convenience and understand that a further invoice to cover reinstatement costs will be rendered in due course.

I note that the cost to date has been somewhat in excess of the approximate total estimated cost of £800 given in your letter dated 20th June, 1952. It occurs to me that the work done may include some items which would in any case have been carried out by you at some future time in the general course of reconstruction and that a proportion of the cost may thus rest fairly with your Board. Should this, in fact, be the position a credit note for an appropriate amount would be appreciated.

Yours faithfully,

J. I.

Acting Chief Engineer to the Board

TGP/RGF

*Mr. Glasse advised per phone that
he would issue a credit reducing
the charge to an amount approximating
the estimate. J. I. 3.3.53.*

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Import Wharf

TO

THE ENGINEER

5th February 1953

8079

Kings Drive Sewer.

Contract 1523

Herewith advice from Contractor of commencement of excavation in connection with above contract.

Import Wharf Contract:

Herewith copies of Contractors Daily Force reports 14.1.53 to 3.2.53.

Mr. Blanks
for filing under
Contract No 1523 -
file 771.

J. Sutton

THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
OVERSEAS, INC.
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

Import Wharf Site,
French Street,
AUCKLAND, C.I

P.O. Box 644, AUCKLAND, C.I

CONTRACT No. 1323.
Stormwater Sewer, King's Drive.

February 4, 1953.

Mr. N.L. Vickerman,
Chief Engineer,
Auckland Harbour Board,
Quay Street, C.I.

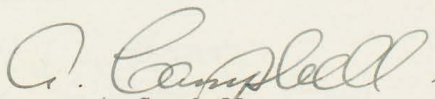
Attention Mr. J.R. Sutton.

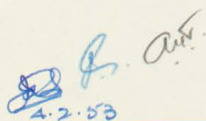
Dear Sir,

This is to inform you that we propose to start
excavation on the above contract on February 4, 1953.

This work is covered by a Public Liability Policy
No.1/154911 with the South British Insurance Company, which
we have in hand. This policy is written in favour of
Fletcher-Merritt-Raymond and the Auckland Harbour Board.
The premium for this policy has been paid.

Yours very truly,


A. Campbell,
Chief Engineer.


4.2.53

December 9, 1952

South British Insurance Co, Limited.
P.O. Box 27,
AUCKLAND, C.I.

Attention: Mr. Mains

Dear Sir,

Further to our conversation re the insurance requirements on the intercepting Stormwater Sewer for the Auckland Harbour Board, we now supply the following information.

An extract from the specification referring to insurance. We would be pleased if you would issue the policies in the joint names of the Auckland Harbour Board and ourselves.

Enclosed is a completed proposal form for Workers' Compensation totalling £4,324. The estimated time for completion of the Contract is 3 to 4 months, and it is possible that the Contract would extend after the 31st March, 1953. The estimate enclosed however, is for the whole of the Contract.

With regard to the Public Liability Policy cover is required to the extent of £5,000 for any one accident.

Fire insurance should cover the value of the work as it proceeds, similar to the policies which were in operation in the early stages for the Import Wharf. Most of the plant used on the job will be hired and policies would of course be held by the owners. Our own plant assigned to the job will be very small and we suggest that perhaps cover could be taken out on a Monthly basis, similar to the proposed policy for the value of the work done.

Yours faithfully,

C.F. Langton
Office Manager.

*Pub. Reck to 12.1.53.
iv. 12.52
W. Coomb to 31.3.53*

*Provisional Cover Notes
righted and in order.*

*Aut.
17/12/52.*

20th November, 1952.

The Chief Engineer,
Auckland Electric Power Board,
Private Bag, C.P.O.,
AUCKLAND. C.I.

Dear Sir,

KINGS DRIVE - CONSTRUCTION OF STORMWATER
SEWER.

Referring to your AMS/JB dated 20th June and my reply dated 18th July requesting you to remove overhead lines in the way of the new Stormwater Sewer construction in King's Drive at an early date, the Board's Contractor has now assembled steel sheet piling and advises that he will be bringing an excavator on to the site next Wednesday or Thursday (26th or 27th inst.) to commence work. He proposes to commence at the French St. end of the contract and work towards the east.

I would be grateful if you can ensure that the overhead lines in the way of the work will be de-energised before that date to enable the work to proceed according to the Contractor's programme.

Yours faithfully,

JAG.JS.

CHIEF ENGINEER TO THE BOARD.

11th September, 52.

THE SECRETARY.

CONTRACT NO. 1323

INTERCEPTING STORM WATER SEWER KING'S DRIVE.

Herewith two copies of the Contract Documents for the above Contract.

These are in order and have been executed by the Contractors.

Will you please arrange for them to be executed by the Board at its next meeting.

When this has been done I will arrange to supply two photostat copies of the Memorandum of Agreement to the Contractors as asked for in their letter of 1st September.

CHIEF ENGINEER TO THE BOARD.

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Import Wharf

2nd. September 1952

TO

THE ENGINEER

8079

Intercepting S.W. Sewer, Kings Drive.
Contract 1323.

Herewith letter from Fletcher-Merritt-Raymond forwarding two signed copies of Memorandum of Agreement in connection with above Contract, with specification and schedule of rates attached.

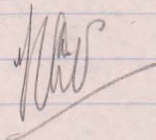
J. Dutton

Contract documents (in duplicate) are now in order + ready for execution by the Board.

Two photostat copies of each page of the Memorandum of Agreement are requested by the Contractor for forwarding to the New York offices of the associated companies. These will be taken off following execution of the documents.

J. Dutton 10-9-52.

Memoranda to Secretary
for execution by Board.



THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
OVERSEAS, INC.
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

Import Wharf Site,
French Street,
AUCKLAND, C.I

P.O. Box 644, AUCKLAND, C.I

1st September, 1952.

The Engineer,
The Auckland Harbour Board,
P. O. Box 1259,
AUCKLAND, C.I.

Contract No. 1323

Dear Sir,

We enclose herewith two signed Memorandums of Agreement, with attached specifications for that work to be done and materials to be supplied, for the construction of Intercepting Storm Water Sewer at Kings Drive.

We have been asked by our two associates, Messrs. Merritt-Chapman & Scott Inc. and the Raymond Concrete Pile Company, to request from you a copy of the Agreement for their respective offices in New York. We would be most grateful if these additional copies could be made available.

We give you our assurance that, as soon as the sheet piling comes to hand, the work will be commenced and carried out as expeditiously as possible and to your satisfaction.

We thank you for the opportunity to undertake this our second contract for the Auckland Harbour Board.

Yours faithfully,

FLETCHER-MERRITT-RAYMOND


J. C. Fletcher
Managing Director.


2.9.52

22nd August, 1952.

The District Engineer,
N.Z. Government Railways,
AUCKLAND.

Dear Sir,

DRAINAGE OF LOCOMOTIVE DEPOT.

In reply to your 19212/162 of 13th inst., every effort has been made during a period of over two years to let a contract for the construction of an intercepting sewer to pick up the discharge from the railway yard. A contract has now been negotiated and it is hoped to have the work commenced as soon as steel sheet piling arrives from Mangakino.

Yours faithfully,

JAG.JS.

CHIEF ENGINEER TO THE BOARD.

NEW ZEALAND GOVERNMENT RAILWAYS

In your reply, please quote:

No. 19212/162

District Engineer's Office,
AUCKLAND. 13th August, 1952.

The Engineer,
Auckland Harbour Board,
P.O. Box 1259,
AUCKLAND C.1.

Dear Sir,

AUCKLAND - DRAINAGE OF LOCOMOTIVE DEPOT.

This Department has a 12" drain which discharged into the harbour opposite the vat at the East end of the Engine Sheds on King's Drive.

The outlet has been blocked by your Board's reclamation work, and it was understood that the drain was being extended to the new harbour frontage, but to date nothing has been done.

Three inspection pits in the Locomotive Yard are now unusable and I would be pleased if you could advise when the drainage extension is likely to be completed.

Yours faithfully,

J. Dowling
District Engineer.

Mr Goodwin

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Import Wharf

8th August 1962

TO

THE ENGINEER

8079

Kings Drive Stormwater Sewer.

Herewith letter from Commission of Works re hire of steel sheet piling for above work.

Based on figure for quantities in St. Campbell's notes (forwarded to you on 4th June) the hire charge would be something of the order of £600 - £700, plus freight and handling charges.

This charge, plus the £800 for C&P for removal of overhead wires, will absorb an unduly high proportion of the estimated cost of the job. On the other hand, both these items, permitting mechanical excavation of the deep trench, should speed up the construction and reduce the direct labour charge.

J. Sutton

JB: Please return Ministry of Works letter after perusal as it is the Contractor's only copy.

JB.

Work must be put in hand as quickly as possible.
Accept Ministry of Works offer.
8.8.62.

£117 per month.
12
£1304

300 pieces 4626 lin ft. @ 32.79 diff. = 68.5 ton
Received 3 hrs.

Value now @ £55 per ton = £4700.

C

Y.

MINISTRY OF WORKS,
Wellington C.1., N.Z.

4th August, 1952.

SHEET PILING.

Dear Sirs,

In reply to your letter of the 4th July, 1952, the Department can make available the steel sheet piling that you require on a hire basis. The hire rate will be 6d. per foot per month, and you should make application for the piling to the District Stores Officers, Ministry of Works, Mangakino.

It should be understood that freight is payable by your Company and any damage to the piling is to be made good by yourselves.

Yours faithfully,

SGD.

E. R. McKILLOP.
Commissioner of Works.

Messrs. Fletcher-Merritt-Raymond,
P. O. Box 644,
AUCKLAND C.1.

Copy sent to Resident Engineer.

1st August, 1952.

The Project Manager,
Fletcher-Merritt-Raymond,
P.O. Box 644,
AUCKLAND. C.I.

Dear Sir,

CONTRACT NO.1323

INTERCEPTING STORMWATER SEWER, KING'S DRIVE.

Enclosed please find three copies of specification and plans for the above which have now been further amended to embody the various requirements of your letters dated 1st and 21st July on the lines discussed with your Mr. Campbell.

The amendments now made are confined to the Schedule of rates with the exception of the deletion of Clause 9 which relates to the Bill of Quantities, which was supplied for your convenience and is now in no way connected with the actual contract.

The line of the sewer has been moved away from the kerb line on the amended plans accompanying. I have requested the Power Board to proceed with the clearing of power lines except for one pair which will be located on roadway side of the cross arm. Telephone lines will also be removed. There seems to be no point in further amending the specification to cover this work however.

It will be noted that labour and plant rates are now related directly to those being paid by you from time to time for the carrying out of Contract No.1304 and it is considered that this is equitable to both parties.

I shall be grateful if you will now forward two amended copies of the specification and plans to your Principals for signature and return to me for signature by the Board. One signed copy would then be retained by the Board and the second signed copy returned to you.

Yours faithfully,

JAG.JS.

CHIEF ENGINEER TO THE BOARD.

THE FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
OVERSEAS, INC.
NEW YORK

Fletcher-Merritt-Raymond

Telephones: 40-130 ✓
40-604

(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

Import Wharf Site,
French Street,
AUCKLAND, C.I

P.O. Box 644, AUCKLAND, C.I

July 21, 1952.

The Chief Engineer,
The Auckland Harbour Board,
Quay Street,
Auckland, C.I.

Attention Mr. J.A. Goodsir.

Dear Sir,

CONTRACT No. 1323
INTERCEPTING STORMWATER SEWER, KING'S DRIVE.

We are enclosing a revised schedule of labour rates and additional payments currently being paid on Contract No.1304 for the Import Wharf. The schedule of plant rental and insurance will not change. When revising this schedule and making it part of Contract No.1323, it should be made clear that any increases in rates on either plant or labour under Contract No.1304 will also apply to the new Contract No.1323.

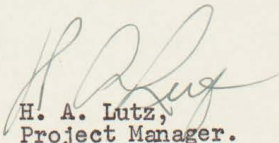
It is understood that the line of the sewer will be moved away from the kerb line to a sufficient distance to clear the power lines and enable us to excavate and drive sheeting with a large crane.

It is also understood that the lowest power lines and the lines on the footpath side of the poles will be removed.

We have written to the Ministry of Works requesting them to permit us either to buy or rent a sufficient quantity of short length Section 2 Larssen sheet piling for shoring the trench. We have not yet received their reply.

Upon receipt of your approval of the final schedule of labour rates and the necessary Tender or Contract forms, we will forward these to New York for their study and approval.

Yours very truly,


H. A. Lutz,
Project Manager.

CONTRACT No.1304 - IMPORT WHARF.

SCHEDULE OF LABOUR RATES - Revised at July 1952.

(All rates plus 15%)

(1) ✓	Carpenter's Leading Hand	5/-	per hour + allowance	4/-	per day.
(2) ✓	Carpenters	4/6 $\frac{1}{2}$	per hour.		
(3) ✓	Steel Fabricator	4/4	" "		
(3b)	" " (Leading Hand)	4/6	" "	+ 2/6	per day.
(4) ✓	Concrete Worker	4/4 $\frac{3}{4}$	" "		
(4b)	" " (Foremen)	4/9 $\frac{3}{4}$	" "	+ 2/6	per day.
(5)	Rigger	4/7 $\frac{1}{2}$	" "		
(5b) ✓	" (Leading Hand)	5/2 $\frac{1}{2}$	" "	+ 2/6	per day.
(6) ✓	Fitter	4/7 $\frac{1}{2}$	" "		
(6b) ✓	" (Leading Hand)	5/2 $\frac{1}{2}$	" "	+ 2/6	per day.
(7) ✓	Crane Driver	4/7 $\frac{1}{2}$	" "		
(8) ✓	Boilermen	4/7 $\frac{1}{2}$	" "		
(9) ✓	Blacksmiths)	4/7 $\frac{1}{2}$	" "		
(10) ✓	Storeman	4/-	" "		
(11) ✓	Watchmen	3/7 $\frac{1}{2}$	" "		
(12) ✓	Car & Truck Drivers	4/2	" "		
(13)	Welders	5/2 $\frac{1}{4}$	" "		
(14) ✓	Labourer, General	4/-	" "		
(15)	" (Foreman)	4/6	" "	+ 2/6	per day.

†

ADDITIONAL PAYMENTS (All rates plus 15%)

- (1) All except Drivers and Watchmen receive 1 hour per day travelling time and 1/4d per day fares.
- (2) Meals for Overtime - all receive 3/- per meal.
- (3) Carpenters' Tool Money - 2d per hour.
- (4) Fitters when welding - 2/- per day extra.
- (5) Labourers on concrete work - 2 $\frac{1}{2}$ d per hour extra.
- (6) Labourers on painting and tarring - 6d per hour for full day.
- (7) Dirt Money: Carpenters - 2d per hour.
Labourers - 2 $\frac{1}{2}$ d " "
- (8) Wet Money: (Same as Dirt Money above)
- (9) Depth Money: Various rates.

HOLIDAY MONEY.

Allowance for Holiday Pay 7.88% - based on a normal 40-hour week

EXTRACT FROM MINUTES
PURCHASING & STORES COMMITTEE
17.6.52.

4. QUOTATIONS - PRE-CAST CONCRETE PIPES.

Report of Purchasing Officer, 3.6.52, stating that two quotations had been received for the supply and delivery of 32 pre-cast concrete pipes for Eastern Reclamation No. 3 - Stormwater Drains; that he recommended the acceptance of the lowest quotation, that of Messrs. Hume Industries N.Z. Ltd. at £237.2.5d. and that, to expedite delivery, had requested that authority be given to place the order forthwith; the General Manager concurred in the recommendation which had been approved by the Chairman of the Committee.

Recommended:-
That the action taken be approved.

ADOPTED BY BOARD 17.6.52

Gr.

18th July, 1952.

The Chief Engineer,
The Auckland Electric-power Board,
Private Bag C.P.O.,
AUCKLAND. C.I.

Dear Sir,

KING'S DRIVE - CONSTRUCTION OF STORMWATER
SEWER.

I have to thank you for your letter AMS/JB.
dated 20th June, advising that you can arrange to remove
overhead lines in King's Drive in the way of the new
Stormwater Sewer construction.

I should be glad if you would put this work
in hand at an early date charging costs to this Board.

Yours faithfully,

TGP.JS.

CHIEF ENGINEER TO THE BOARD.

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Import Wharf.

TO

3rd July 1952
THE ENGINEER

Kings Drive Sewer
Contract 1323

Herewith letter from Import Wharf Contractor re
completion of negotiation of this Contract.

Mr Foster

J. Dutton

FLETCHER CONSTRUCTION
COMPANY, LIMITED
AUCKLAND

RAYMOND CONCRETE PILE
COMPANY OF DELAWARE
NEW YORK

MERRITT-CHAPMAN & SCOTT
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(ACTING AS JOINT CONTRACTORS AND JOINT VENTURERS FOR THE
CONSTRUCTION OF THE AUCKLAND HARBOUR BOARD IMPORT WHARF)

Import Wharf Site,
French Street,
AUCKLAND, C.I.

P.O. Box 644, AUCKLAND, C.I

July 1, 1952.

The Auckland Harbour Board,
Quay Street,
Auckland, C.I.

Dear Sirs,

CONTRACT No. 1323.
INTERCEPTING STORMWATER SEWER, KING'S DRIVE.

We are in receipt of your letter dated June 20 and also wish to acknowledge receipt of specification forwarded to us on March 7.

In general, we are prepared to finalise this contract, providing, of course, that the points made in paragraphs (a), (b), (c) and (d) of your letter of June 20 are incorporated into the plans and specification. *Rev.*

We will endeavour to procure the sheet piling from the Ministry of Works.

Prior to this contract being finalised, however, it will be necessary for us to forward a copy of the specification to our New York office for their perusal and, assuming that they approve of the form of the contract in general, we will proceed with the work at the earliest date convenient to our working schedule on the Import Wharf contract.

Yours very truly,

Campbell to produce an amended up-to-date schedule for labour & for plant changes.

16.7.52. Phoned advice from Campbell:-

N.Y. Office has called project manager to accept the contract for this work but contract documents are to be signed in New York.

Send 5 copies to project manager.

A. Campbell,
Engineer.

J. Braden
2.7.52

The Auckland Electric-power Board

R. H. BARTLEY, M.I.E.E. M.I.M.E.
GENERAL MANAGER

ADDRESS CORRESPONDENCE TO
GENERAL MANAGER OR SECRETARY
THE AUCKLAND ELECTRIC-POWER BOARD
PRIVATE BAG C.P.O. AUCKLAND, C. 1.
TELEGRAPHIC & CABLE ADDRESS "BEJUCAL"



AMS/JB.
709-33.

Power Board Buildings,
Queen Street,
Auckland, C. 1.
N.Z.

20th. June 1952.

The Chief Engineer to the Board,
Auckland Harbour Board,
P.O. Box 1259,
AUCKLAND. C. 1.

Dear Sir,

KING'S DRIVE - CONSTRUCTION OF STORMWATER SEWER.

We acknowledge receipt of your letter TGP/AWJ. of the 30th. April, requesting the temporary removal of overhead lines along part of King's Drive to facilitate the construction of a Stormwater Sewer in the footpath.

In order to remove the H.T. line it will be necessary to lay two short lengths of underground H.T. feeder and a short length of underground H.T. service cable; an additional pole will also have to be erected for this H.T. service.

As agreed on site the D.C. and L.T. A.C. can be removed over the section in question, with the exception of three spans of single phase L.T. A.C. at the French Street end. The only wires remaining then would be two street lighting wires placed on the street side of the second crossarm from the top.

After the construction of the Sewer has been completed the L.T. A.C. circuit will have to be replaced.

The approximate cost to your Board of carrying out the above work would be £800 (eight hundred pounds).

Yours faithfully,

(A. O. GLASSE)
CHIEF ENGINEER.

Mr Sutton advised of this per telephone 30.6.52. He is to take up with the Contractor the question whether this expenditure is necessary & can be justified in view of the possibility of moving the trench towards the back of the footpath & advise me further regarding this.

J. Roaden 1.7.52.

The Engineer,

The Contractor considers that the removal of these wires is necessary and I agree with this view.

J.D. 15.7.52

20th June, 1952.

The Project Manager,
Messrs. Fletcher-Merritt-Raymond,
P.O. Box 644,
AUCKLAND. C.I.

Dear Sir,

CONTRACT NO.1323
INTERCEPTING STORMWATER SEWER, KINGS DRIVE.

On 7th March, I wrote to you enclosing copies of specification which had been amended in conformity with your offer and requested that you advise me whether you would be prepared to accept this as the Contract. To date no official reply has been received and although there have subsequently been technical discussions concerning ways and means and requirements for carrying out the work no contract has yet been finalised.

The answers to the more important of your queries on technical matters are confirmed below:-

(a) Line of Sewer Trench.

Additional borings on a line 4ft. to the seaward of the pegged line did not encounter any rock bank. The stonework on the face is therefore assumed to be merely facing and there would be no objection to moving the line of the sewer away from the street kerb.

(b) Telephone and Power Lines.

The telephone lines will be removed from the poles. Though finality has not been reached with the Power Board, I have had an indication that the high tension lines can be removed and such power lines as are required to remain can be accommodated on the carriageway side of the cross arms.

(c) Steel Sheet Piling.

It is in order for you to write to the Commissioner of Works to ascertain whether Ministry of Works can loan sheet piling and if so the hire rate, or alternatively whether they wish to sell, and the price. On making your enquiry you should state that the sheet piling is for a job for the Harbour Board and that in the event of the sheet piling requiring to be purchased, it would be bought by the Board and made available to you for the work.

(d) Labour Rates.

The schedule of labour rates in the Daywork schedule will be amended to the actual rates being paid to your labour working on Contract 1304 Construction of Import Wharf at the date of finalising this contract.

Will you please now advise me whether you are prepared to finalise this contract on the basis of the amended specification submitted for your perusal.

Yours faithfully,

JAG.JS.

CHIEF ENGINEER TO THE BOARD.

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Import Wharf

TO

THE ENGINEER

4th June 1907

8079

Kings Drive Storm Water Sewer.

Herewith copy of letter from J. H. Macky (C. O. W.) re Larsen No 2 piling for use in excavation for Kings Drive sewer, with notes thereon by A. Campbell. The Contractor wants our authority to approach Commissioner of Works re hiring or buying some 60 tons. The hire charge or difference between cost and re-sale value would be to the Board's etc.

As far as we can see now, no suitable piling will be temporarily available from Import Wharf contract for use in this excavation, and the Contractor is not prepared to do the job with timber sheeting, requiring additional walings and struts which would interfere with mechanical excavation of the trench.

J. Dutton

FLETCHER - MERRITT - RAYMOND

June 3, 1952.

ADDENDUM to letter from Mr. J.H. Macky (Ministry of Works, Mangakino)

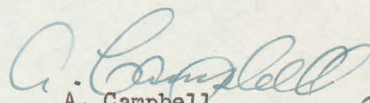
The 6,000 lin.ft. referred to in the first paragraph will equal approx. 88 tons.

The 200 piles from 14 ft. to 20 ft. in length, averaging at 17 ft., will equal approx, 50 tons.

The 100 piles from 8 ft. to 10 ft. in length, averaging 9 ft., will equal approx. 13 tons.

We will require approx. 300 sheets, preferably of a length of approx. 16 ft. This would permit us to sheet a trench 200 ft. in length, or 400 ft. of wall.

The two quantities of the shorter lengths equalling 63 tons could, however, be used to do the job, with possibly a shorter length of trench opened, or by alternating long and short pickets.


A. Campbell,
Engineer.

COPY.

MINISTRY OF WORKS.

Private Bag,
MANGAKINO.

Tel: 16.

29th May, 1952.

Mr. H.A. Lutz,
Project Manager,
Fletcher-Merritt-Raymond,
P.O. Box 644,
AUCKLAND, C.I.

Dear Mr. Lutz,

In reply to your enquiry I have checked on the quantity of sheet piling we have on hand and find that in Larssen No.2 we have approximately 6,000 lin.ft. in lengths from 8 feet to 40 ft.

We have no record of individual lengths of piles, but as a rough estimate there would be 200 piles from 14 to 20 ft. long and about another 100 from 8 to 10 feet. The remainder are in larger lengths which we would not agree to cut.

The short piles have all been used but are in fair condition. In extracting them in some cases they have come out in pairs and have not been separated.

Before agreeing to sell or hire these piles I would have to get authority from my Head Office. With piling being in short supply I think the policy will be to hold what stocks we have.

I suggest that you write to the Commissioner of Works, Ministry of Works, Wellington, and state your case. You can quote me as saying that we have the piling available.

We haven't got around to extracting the piling from our upstream cofferdam yet. I have been waiting for a Zenith 80 extractor to come from the South Island. It has at last arrived, so we will be making a start soon.

With kind regards.

Yours faithfully,

J. H. MACKY.

 3.6.52

30th April, 1952.

The Regional Engineer,
P. & T. Dept.,
Central Post Office,
AUCKLAND. C.I.

Dear Sir,

KING'S DRIVE - CONSTRUCTION OF STORMWATER SEWER

The Board is required to construct a stormwater sewer along King's Drive from a position 100 yds east of French Street to the turn-off at the Parnell overbridge. The sewer is for the purpose of collecting the discharge at present flowing into the area being reclaimed. The most economical construction is to lay the sewer in the footpath along the north side of King's Drive, as shown on drawing No. A367/3 copy attached.

In order to carry out this work it would be necessary to operate an excavator under your overhead lines, and this letter is to ask whether you would be able to assist the Board by making a re-arrangement of your lines and to enquire the approximate cost of so doing. The alternative is to lay the new sewer down the centre of Quay Street, a much more costly procedure and one to be avoided if practicable due to interference with traffic.

For the section in question you have eight lines erected on Power Board poles. I am writing to the Auckland Electric-power Board to request their co-operation in temporarily removing or de-energising circuits, and would be glad to know if you could make arrangements which would enable you temporarily to dismantle your lines. If it is not feasible to remove the lines, would it be possible to re-erect the four on the footpath side of the pole on temporary cross arms overhanging the street?

Yours faithfully,

TGP/AWJ

Chief Engineer to the Board

30th April, 1952.

The General Manager,
Auckland Electric-power Board,
Private Bag,
AUCKLAND.

Dear Sir,

KING'S DRIVE - CONSTRUCTION OF STORMWATER SEWER

The Board is required to construct a stormwater sewer along King's Drive from a position 100 yds east of French Street to the turn-off at the Parnell overbridge. The sewer is for the purpose of collecting the discharge at present flowing into the area being reclaimed. The most economical construction is to lay the sewer in the footpath along the north side of King's Drive, as shown on drawing No. A367/3 copy attached.

In order to carry out this work it would be necessary to operate an excavator under your overhead lines, and this letter is to ask whether you would be able to assist the Board by making a re-arrangement of your lines and to enquire the approximate cost of so doing. The alternative is to lay the new sewer down the centre of Quay Street, a much more costly procedure and one to be avoided if practicable due to interference with traffic.

For the section in question, the lines nearest the ground are P. & T. lines, and a similar letter to this is being written to the Regional Engineer. At the top of the poles you have a high tension feeder from which two services are taken. I understand that you have other feeders running underground along King's Drive, and it occurs to me that you might be able to transfer these services to one of those feeders and de-energise the overhead feeder in the way of the proposed work for the necessary period of six months.

Between the high tension and P. & T. lines you have D.C. lines (now de-energised), street lighting, and 400 volt A.C. lines. Single phase services only are taken from the latter over the section in question. Is it possible to maintain the single phase service and street lighting supply by using conductors on the upper cross arm on the street side of the pole only?

Should you not be able to de-energise the high tension lines, I would like to discuss with you the possibility of having the contractor rig temporary guard wires so that work with an excavator could proceed with reasonable safety.

Yours faithfully,

TGP/AWJ

Chief Engineer to the Board

Auckland Harbour Board

MEMORANDUM

FROM

Resident Engineer
Import Wharf.

19th March 1957

TO

THE ENGINEER

8079

Contract 1323.

Intercepting Sewer - Kings Drive.

Herewith schedule of wage rates at present being paid by Import Wharf Contractor (detached from the latest set of Daily Force Reports which he submitted.)

It will be noted that these are all substantially above Award rates - as such the increases are not to the Board's % in connection with Import Wharf Contract, but they will supersede the wage rates set out in Daywork Schedule attached to Contract 1323 if the work does proceed in terms of that Contract at present in process of negotiation.

The Contractor should embody the amended wage rates in the Daywork Schedule if he accepts the contract & this should be done before the

~~Contract is signed~~
20.3.57.


J. Sutton

Fraser
27.3.57.

FLETCHER-MERRITT-RAYMOND

The following increased basic wage rates have been agreed upon and came into force Wednesday, February 6, 1952.

Carpenters	4/6 $\frac{1}{2}$	(Tool Allow 2d. per hour)
Steel Fabs	4/4	
Labourers	4/-	
Concrete Gang	4/4 $\frac{3}{4}$	
Maintenance		
Helpers	4/7 $\frac{1}{2}$	
Riggers	4/7 $\frac{1}{2}$	
Welders	5/2 $\frac{1}{4}$	
Crane Drivers	4/7 $\frac{1}{2}$	
Boilermen	4/7 $\frac{1}{2}$	
Truck Drivers	4/2	
Pile Drivers	4/7 $\frac{1}{2}$	
Fitters	4/7 $\frac{1}{2}$	
Blacksmiths	4/7 $\frac{1}{2}$	
Watchmen	3/7 $\frac{1}{2}$	

call + 15%


In addition to the above basic rates additional payments are made for:-

<u>Travel Time</u>	. . . . .	1hr. per day
<u>Fares</u>	. . . . .	1/4d per day

except in the case of Watchmen and Truck Drivers.

All extra payments provided for in the various Awards are, where applicable, paid in addition to the above rates.

FLETCHER-MERRITT-RAYMOND

Contract 1323 Lt Brwell Halliday's letter of
March 18th

Ref Clause 19 & 17 of Spec. Note (a)

① Suggested to Karrowclough the inclusion of word
"scripted" to read "will be paid weekly against
scripted fire shots"

Karrowclough agreed this would meet the intention

② Spoke to Sutton re suggested amendment &
Contractor's reaction.

Sutton considered that Contractor would not consider
any further amendment or adjustment & that this
suggestion would not suit his administration

③ Chief decided that:
in view of Sutton's remarks & Karrowclough's
opinion that the risk concerns only the Lewis Plot
& that is almost negligible

|| Let the spec stay as written.

Note (b) & (c)

in view of 2 above I don't think any
action is required on Karrowclough's suggestions

(b) & (c)



21. 3. 52.

RUSSELL, McVEAGH & CO.
(RUSSELL, McVEAGH, MACKY & BARROWCLOUGH)
**BARRISTERS, SOLICITORS
AND NOTARIES**

N. L. MACKY, NOTARY PUBLIC
H. E. BARROWCLOUGH
C. A. HAMER
K. R. BUCHANAN, NOTARY PUBLIC
R. H. FORDER

CABLE ADDRESS:
"BARRISTER"
TELEPHONE 43-970
P.O. BOX 8

HEB

*South British Building
Shortland Street
Auckland, C.1.
N.Z.*

18th March, 1952.

The Chief Engineer to the Board,
Auckland Harbour Board,
AUCKLAND

Dear Sir,

Contract 1323
Intercepting Storm water Sewer - Kings Drive.

We have received your letter of the 10th instant with the enclosures therein mentioned. You have asked us to advise whether the Board's interests as regards payments for the work are satisfactorily covered.

The proposed contract with Fletcher-Merritt-Raymond will of course include the revised specification and Clause 19 of that specification provides that the contract shall be subject to "The Wages Protection & Contractors Liens Act". Indeed the inclusion of such a clause is essential if the Board's interests are to be fully protected. But that clause is inconsistent with clause 12 of the specification which requires the Board to pay for labour, plant, materials etc. each week and to pay for them in full. If these payments are made in full each week the Board will have nothing in hand to meet possible claims under the "Wages Protection & Contractors Liens Act." We do not think it can be contended that Clause 19 overrides clause 12. Fletcher-Merritt-Raymond's letter of 7th November makes it clear that they are not prepared to finance the work, which they are undertaking only as agents for the Board, and that they expect to draw from the Board in full all sums required for payment of wages, materials etc., as and when they become due. In the result the contract compels the Board to disregard the obligation imposed on it by Sections 31 and 32 of "The Wages Protection & Contractors Liens Act."

The consequences of this are, of course, that if Fletcher-Merritt-Raymond failed to pay to their workmen and subcontractors the sums due to them the workmen and subcontractors could sue the Board to enforce their lien and it would be no defence that the Board had already paid these sums to the principal contractors.

Having regard to the financial status of the Contractor

*The Contractor must
show the lien act
in making payment
for materials & Cl
12 can therefore
override Cl 19. In
discussing this with
Campbell he was
satisfied to delay
payment to their
suppliers till one
week after the expiry
of the lien period.
for materials.
Gordon*

the Harbour Board may consider this risk almost negligible and may be prepared to let the specification stand as it is now drawn in relation to this matter; but it is our duty to draw the Board's attention to it.

There is one other point which requires consideration. The Contract is not in the usual form wherein the Contractor undertakes to perform certain work for a fixed contract price. It is a contract to do certain work at cost plus a percentage of that cost. This situation is, of course, forced upon you as this is the only way in which you can get the work done. In view of the somewhat unusual nature of the contract we think the Variation of Price (Labour and Materials) clause in the Daywork Schedule requires some modification. There is no need to refer to "materials" as the Board pays for them as they are procured and we understand they have not been priced in any Schedule of materials. Variations in the cost of fuel and power are material only in so far as they affect the Plant rates set out in that Schedule. We suggest therefore that the Daywork Schedule be amended as follows:

Omit (3) Materials Rates.

Amend (5) so as to read:

"(5) Variation of Price (Labour and Fuel for Plant)"

Amend 5(2) to read as follows:

"5(2) If after the date of Tender there shall be any increase or decrease in the cost prevailing at such date of fuel or power required for the operation of the plant mentioned in this Daywork Schedule and in respect of which Plant Rates have been specified in Paragraph 2 of the said Schedule and purchased by the Contractor at ruling prices after the date of Tender which increase or increases decrease or decreases shall result in an increase or decrease of cost to the Contractor in operating the said Plant the net increase or decrease of cost shall form an addition or deduction as the case may be to or from the said Plant Rates and be paid to or allowed by the Contractor accordingly."

Clause 9 of this Specification may be unnecessary and it may be desirable to strike it out if there is in this contract no Bill of Quantities. We are not sure whether or not a Bill of Quantities has been prepared.

Subject to the above mentioned comments we are of opinion that the Board's interests as regards payments are satisfactorily covered. We return your file herewith.

Yours faithfully,
RUSSELL, McVEAGH & CO.

R. J. Lawrence

Encl.

STRA STIRONS

Copy sent to Resident Engineer.

10th March, 1952.

Messrs. Russell McVeagh & Co.,
South British Insurance Building,
Shortland Street,
AUCKLAND. C.1.

Dear Sirs,

CONTRACT 1323

INTERCEPTING STORMWATER SEWER KINGS DRIVE.

Following failure to obtain tenders after advertising the above contract twice, Messrs. Fletcher-Merritt-Raymond were requested to advise me on what terms they would undertake this work which has become urgent in view of the progress of reclamations.

The specification has been revised to conform with the above offer and represents the only basis under which it is possible to have the work carried out. Please peruse and advise me as soon as possible whether you consider the Board's interests satisfactorily covered as regards payments.

Enclosed please find copy of revised specification and daywork schedule together with Fletcher-Merritt-Raymond's offer dated 7th November, 1951, which has been accepted as recommended in my report dated 4th December which is also enclosed.

Yours faithfully,

JAG.JS.

CHIEF ENGINEER TO THE BOARD.

Encl: Copy of revised spec.
Letter from Fletcher-Merritt-Raymond dated 7.11.51
together with draft schedules.
Report of Engineer dated 4.12.51.

7th March, 1952.

The Project Manager,
Fletcher-Merritt-Raymond,
P.O. Box 644,
AUCKLAND. C.1.

Dear Sir,

CONTRACT 1323

INTERCEPTING STORMWATER SEWER KINGS DRIVE.

The specification for the above contract has now been revised to embody your offer dated 7th November, and various other minor matters as discussed by my Assistant Engineer and Resident Engineer with your Project Engineer.

The Board have authorised me to finalise a contract with you on this general basis and I shall therefore be pleased if you will peruse the enclosed copy of the revised specification and advise me if you are now prepared to accept this as embodying all your requirements for the contract. The only variation from the general terms of your offer of 7th November, is the grouping of sub-items 3 and 4 of para. 4 into a single item to be covered by a lump sum payment, the remaining alterations being machinery to give effect to your requirement for the financing of the work and to clarify method of payment and convert the contract from a Lump-sum contract to a Day Labour contract as requested by you.

It has been assumed that the plant rates quoted have included for driver in all cases.

Yours faithfully,

JAG.JS.

CHIEF ENGINEER TO THE BOARD.

Encl: 3 copies of general conditions of spec.
3 " " daywork schedule.
1 " " engineering portion of spec.

EXTRACT FROM BOARD'S RESOLUTIONS TUESDAY, 19TH DECEMBER, 1951.

5. INTERCEPTING STORMWATER SEWER AT KING'S DRIVE -
CONTRACT NO. 1323.

Report of Engineer, 4.12.1951, re Contract No. 1323 - Intercepting Stormwater Sewer at King's Drive, recommending that the Board authorise the finalising of a contract generally as set out in the offer submitted by Fletcher Merritt Raymond under date 7th November, 1951, subject to agreement as to schedule rates for plant and labour and minor variations of Items 3 and 4 of those included in the cost, to the satisfaction of the Engineer - the estimated cost of the work was under £10,000 inclusive of Contractor's fee.

It was RESOLVED to recommend that the report be adopted.

4th December, 51.

THE GENERAL MANAGER.

CONTRACT 1323 - INTERCEPTING STORMWATER SEWER -
KINGS DRIVE.

In accordance with the Boards resolution dated 17th October authorising me to negotiate a contract for the carrying out of this work, Messrs. Fletcher-Merritt-Raymond were approached to ascertain whether and under what conditions they would be prepared to undertake this work.

This firm has now submitted an offer dated 7th November which is generally satisfactory. They propose to enter into a contract for carrying out the work on a cost plus fee basis but point out that they "do not propose to finance this work and would expect the Board to set up a revolving fund upon which we (the contractor) could draw in order to meet expenses as they occur." The Contractor has however verbally agreed that he would be satisfied if labour costs were met weekly, against timesheets and other payments were made weekly, within one week of becoming due.

The cost of work of this nature is extremely difficult to estimate for, being largely dependent on the cost of pumping to keep the workings sufficiently dry. Provided, however no unforeseen circumstances arise it is not anticipated that the cost of the work will exceed £10,000, inclusive of Contractors fee.

I recommend that the Board authorise the finalising of a contract generally as set out in the offer submitted by Fletcher-Merritt-Raymond under date 7th November, 1951, subject to agreement as to schedule rates for plant and labour, and minor variation of items 3 and 4 of those included in the cost, to the satisfaction of the Engineer.

Fletcher-Merritt-Raymond's offer is returned herewith together with schedules.

JAG.JS.

CHIEF ENGINEER TO THE BOARD.

Contract 1373

To examine Fitchers Quote date 7.11.51

①

Dy. office Estimate

Preliminaries	£	275	
Materials	£	1420	
Labour + Plant	£	1057	
Timbers Pumping	£	5000	
Contingency	£	<u>300</u>	
TOTAL	£	<u>8052</u>	includes Profit 10%

②

Fitchers fixed fee

Cost + £1500	=	90% of £8052 + £1500	=	8750
10% of Direct Labour	=	10% of 75% of £1057	=	79
Fitchers fixed fee <u>Total</u>			£	<u>8829</u>

③

Fitchers Cost +

Cost + 10%	=	90% of £8052 + 10%	=	8052
10% of Direct Labour			=	79
Fitchers Cost + <u>Total</u>			£	<u>8131</u>

④ Estimation of Civil Eng. Contr. Costs in O.K. June 1950

Labour	75% of $(1057 - 10\%) + 33\frac{1}{3}\%$	£957
Materials	$1420 + 10\%$	£1560.
Plant. back order @	£15. per day x 5 days.	75.
		75
Dozer	15 " " x 5 "	300.
Truck.	10. " " x 30 "	<u>2967</u>
Timber & Pumping	$£5000 + 33\frac{1}{3}\% = £2500$	5800.
	Estim Total Cost	<u>£8767</u>

⑤ Fletchers have quoted a maximum profit of $£1500 + £79 = £1579$
 i.e. they estimate the job to cost £15,000 - £16,000
low Estimated Cost £8000

Contractors fee

	Materials	4000.
	Labour	4000.
Labour.	$33\frac{1}{3}\%$ on 4000 - 10%	= £1200.
Materials	10% on 4000 - 10%	= <u>£360</u>
		<u>£1560</u>

∴ Fletchers quote as O.K. on Federation Costs for INCIDENTAL work, except Head office charges.

8000

4000
4000

Labour
hab.

1300
400
1700

4000
4000
8000

1200
300
1500

8000.

Estimate for

Engl. Sewer Stormwater Intercepting Sewer.

MATERIALS ONLY.

	Description	Quantity	Item	Rate	£	s.	d.
1	Special item						
2	Special item						
3	Special item						
4		217	l.p.	1/12	347	4	0.
5		369	"	1/13	468	17	3
6		310	"	1/2	219	11	8
7		104	"	1/9	53	18	0
8		1026	"	-			
9		275	4	3/4	104	10	0
10		1	No	2	2	0	0
11		1	No	15	15	0	0
12		1	"	18	18	0	0
13		1	"	22/10	22	10	0
14		1	"	22/10	22	10	0
15		1	"	28	28	0	0
16		1	"	27/10	27	10	0
17		1	"	8	8	0	0
18		1026	l.p.	1/9	89	15	6.
19	Professional fees						
20	Special item						
21	Extra work item		labor	l. p.			
22	do		"	"			
23	do		"	"			
24	do		"	"			
					1420	6	5
					1020	6	5
					275		
					1088	0	4
					5000		
					1753	6	9
					300		
					8053	6	9

Estimate for King's Lane - Stormwater Intercepting Sewer.
LABOUR ONLY.

Item.	Description	Quantity	Item	Rate	£	s.	d.	
1	Special item							
2	Special item							
3	Special item							
4		217	1/4.	21/-	227	17	0	
5		269	"	14/2	319	16	0	
6		310	"	11/7	179	10	10.	
7		104	"	6/3	32	10	0.	
8		1026	"	3/0	51	3	0.	
9		278	44	24/-	32	19	0.	
10		1	No	£2	2	0	0	
11		1	"	£18	18	0	0	
12		1	"	£18	18	0	0	
13		1	"	£22/10/-	22	10	0	
14		1	"	£22/10/-	22	10	0	
15		1	"	£25	25	0	0	
16		1	"	£27-10-0	27	10	0	
17		1	"	£5	5	0	0	
18		1026	1/4.	1/6	76	14	6	
19	Provisional Sum.							
20	Special item.							
21	Extra work item	Calc any	1/4					
22	Extra work item	"	"					
23	Extra work item	"	"					
24	Extra work item	"	"					
					£	1058	0	4
Pumping. £3. day.						300	0	0.

Estimate for

Kings Drive Stormwater Intercepting Sewer.
Special Plans. - *Plans*

Description	Quantity	Item	Rate	£	s.	d.
<p><u>Timbering.</u> In event of having to timber excav. Then as reclaimed ground, will be close timbered. Allow for T & G in event of piling.</p>						
<p>For a 4' wide benches and 12' piling boards close boarded requires 84 sq ft of timber @ £3-6-0 %.</p>	300	l. ft. 1 3/4"		1050	0	0
<p>A.C.C. estimate for labour to erect. £2-6-0 per 100 sq ft.</p>	1200	l. ft. 1 3/4"		2400	0	0
<p>N.S. estimate for labour to dismantle £1-6-0 per 100 sq ft.</p>	1200	l. ft. 1 3/4"		1200	0	0
<p>Allow for 100 l. ft. of timber, at any one time</p>						
<p>Total to timber whole benches.</p>				£ 4650	0	0
<p>Salvage value at end of job - Nil to estimate cost of timber left in.</p>						
<p>In event of Int. Contractor along the job, with steel piling then will be a labour charge only. 2 piles cover say 2'-6" Labour to drive 4 piles = 12-0 men. dive, with down = 1-0-0 plant. skid up, cage rate. = 8-0. = 2-0-0.</p>						
<p>per l. ft. of bench. = 16-0. say 1/1</p>	1200	l. ft. 1 1/2"		1200	0	0

King's Sewer - Intercepting Sewer.

To estimate a rate for various items in the Bill of Materials.

Items.		Labour	Material.	Total
Items 4	21" pipe.			
	Excav. 11'-0" depth, 4'-wide. $V = 11' \times 4' \times 1' = 163 \text{ yd}^3 \text{ bulk.}$ 6' by back acts $\frac{2}{9} \text{ yd}^3 = \frac{2}{6}$ 5' " " $\frac{15}{2} \text{ " } = \frac{11}{6}$ $\frac{11}{6}$	14 0.		14 0
	Concrete bed & channel. $\frac{1}{8} \text{ yd}^3 \text{ per lin ft.}$ Concrete cost @ 14-10-0 yd^3 . } + 10% Labour @ place @ 10-0 yd^3 }	1 5.	13 0	14 5
	Steel Roof. $\frac{1}{2} \times \frac{1}{2}$ 3 1/2 p. Cost. Labour @ place.		0	
	21" concrete pipe. Cost 18/- + 15% = 20.75/- + 10% Labour $\frac{8}{2} = 4$ + 10%.	1 6.	19 0.	1 0 6.
	Backfill & consolidate. Backfill 2-0. Consolidate 2-0.	4 0		4 0.
	Totals excluding timbering	1 0 11	1 12 0	2 12 11
Items 5	18" pipe			
	Excav. 10'-0" depth, 4'-wide. $V = 10' \times 4' \times 1' = 148 \text{ yd}^3 \text{ bulk.}$ 6' by back acts $\frac{2}{9} \text{ yd}^3 = \frac{2}{6}$ 4' " " $\frac{15}{2} \text{ " } = \frac{9}{6}$ $\frac{11}{6}$	11 6.		11 6
	Concrete bed & channel. $\frac{1}{8} \text{ yd}^3 \text{ per lin ft.}$ Concrete cost @ 14-10-0 yd^3 } + 10% Labour cost @ 10-0 yd^3 }	1 2.	10 0	11 2
	Steel.			2 6
	18" Concrete pipe Cost 12/- + 15% = 13.8/- + 10% Labour $\frac{4}{2} \text{ " } = 2$ + 10%.	1 0.	15 3	3 3
	Backfill & consolidate Back fill 1-6. Consol. 1-10.	3 8.		3 8
	Totals excluding timbering.	17 4	1 5 3	2 2 7

5850.

$$\text{Cost } £1-7-6\frac{1}{2} \times 1200 = \begin{array}{r} 1200 \\ 450. \end{array}$$

$$\text{Labour cost } £2. \times 1200 = 2400.$$

$$\text{Materials } £1.5-0 \times 1200 = \begin{array}{r} 1200 \\ 300 \\ \hline 1500 \end{array}$$

£6000.

Item 6 12" pipe

Excav. 9'-0 deep 3'-0 wide.

$$V = 9 \times 3 \times 1 = 1 \text{ yd}^3.$$

6' by backshovel @ 1/9 = 2.0.

3' by Linn @ 15/- = 5.0.

6 10.

6 10

Concrete bed & haunches. $\frac{1}{2}$ yd³ imp.

Concrete cost @ 24-0-0 } +10%

Labour cost @ 10-0 }

9.

6 0.

6 9.

Steel reinforcement.

6

12" pipe

Cost. 6/6 +15% +1/2 + 10%.

Labour. 5/6. + 10%.

10.

8 2

9 2

Back fill & consolidate.

Back fill. = 1/6

Consolidate = 1/6.

3 0.

3 0

Totals excluding timbering

11 7

14 2

16 9

Item 7 9" pipe.

Excav. 6'-0 deep 3'-0 wide.

$$V = 6 \times 3 \times 1 = \frac{2}{3} \text{ yd}^3.$$

6' by backshovel @ 2/9 = 1.0

Linn. 5'

2 3.

2 3

Concrete bed & haunches $\frac{1}{2}$ yd³ imp.

Concrete cost @ 24-0-0 } +10%.

Labour " @ 10-0 }

6.

3 7.

4 1

Steel reinforcement.

9" pipe

Cost. 4/6 +15% 5/7 + 10%.

Labour. 4/6 + 10% say.

10.

7 2

8 2

Back fill & Consolidate

Back fill 1/3

Consolidate 1-3

2 6.

2 6.

Totals excluding timbering

6 3

10 9

17 0

Item	Description	Cost	Rate	Rate
8	F.O. ord. excus.	10		10
18	Restatement.	16	19.	33.
9.	Steel a 1/4 ton Cost 1 cost. Labour	140.	3180	500
10	Drop connection	200	200	400.
11	4'0. M.H. Am. Cont.	1500	1500	3000
12	9-6 M.H. "	1800	1800	3600
13	12-0. M.H. "	22100	22100	45000
14	9-6 Drop M.H.	22100	22100	45000
15	10-6 " "	25000	25000	50000
16	11-6 " "	27100	27100.	55000
17	L.H.	5000	5000	10000

Timbering 1/2 ft.
 120 cu. ft. requires 8 ft. 1/2 ft.
 Cost \$3 2/3 material.
 Labour cost \$2 + 10%.
 Labor to within \$1 + 10%

allow for 300' shaft. any
 = \$0.50

250.
 126.
 376
 3100.

300.

Pumping Heavy Iron
Heavy Timbers will be reqd.

M.H. 5' to 5'-6" 527

16'-0" 536
12' to 13' 540

Gen 18. 8' yd²

Excavation

By hand (2 lifts) 15/- per cu in reclamation.

By back-acta 2/6 per cu.

Removal of stone works say 30% per cu. } ↘

⊕ Add 10% for contractor's profit.

Lumbering

material £3 per 100 super.

labour £2/10/- per 100 super.

or total including cutting to waste, cartage, +
Contractor's profit £8 per 100 super
less salvage value of timber.

Pipe laying

labour

21" 8/6

18" 7/6

12" 5/-

9" 4/-

Add Contractor's profit

Cost of pipes

Qty

Lumbering Quantities per lin ft of trench

12" deep

Poling boards

48 super

walys

12

Struts

24

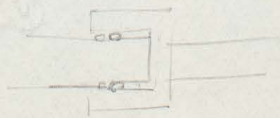
84 super

Desmond
Bond

16 | 19 507
112 "
8 | 18 "
21 "

4/10 ~~21~~ 255. $\frac{3}{10}$ 200 (SNF)
6/5 "
11/8 "
14/10 "

Wm
Brown & Co
Wm B



FLETCHER- MERRITT-RAYMOND

7th November, 1951.

The Chairman,
Auckland Harbour Board,
Quay Street,
AUCKLAND.

Dear Sir,

We wish to acknowledge your letter dated 29th October, 1951, enclosing Specification, Bill of Quantities, and Drawings A.367/3 and E.572/1, for Contract No. 1323 INTERCEPTING THE STORM WATER SEWER - KINGS DRIVE.

After studying these documents carefully we regret to advise that it would be impracticable for us to submit a formal tender for this work. We feel that we could do this work in conjunction with the Import Wharf more efficiently and economically on a cost plus fee contract basis.

We propose to construct the INTERCEPTING STORM WATER SEWER - KINGS DRIVE in accordance with the above-mentioned documents as your agents, for a fixed fee of £1,500 or for 10% of the cost, whichever ever is the greater. In addition we shall receive an amount equal to 10% of the direct labour cost for the use of tools, office equipment, sheds, shacks, and other facilities now constructed at the Import Wharf site.

The cost upon which the fee shall be based shall include but not be limited to the following:-

1. All labour, materials, and equipment rentals required for performing the work.
2. All insurances, fees, and taxes directly applicable to the work except income tax which shall be for our account.
3. All office and engineering expenses directly applicable to the work.
4. Salaries of office, warehouse, and shop personnel while directly engaged on the work except salaries of our project manager and superintendent which shall be for our account.
5. All other expenses or charges directly applicable to the work.

We do not propose to finance this work and would expect the Board to set up a revolving fund upon which we could draw in order to meet expenses as they occur.

We propose to perform the work as expeditiously and economically as possible, using men, equipment, and facilities from the Import Wharf work but under no circumstances shall we or will you require us to use the Import Wharf personnel or facilities at such times as it would be detrimental to the progress or cost of the Import Wharf.

This proposal is contingent upon the signing of a mutually satisfactory contract.

We would appreciate an early acceptance of this proposal if it is of interest to the Board, so we can plan the work most beneficially for all concerned.

Signed this day 7th November, 1951.

(Over)

FLETCHER-MERRITT-RAYMOND.

(Sgd.) K.R. Karlson

For and on behalf
of Merritt-Chapman
& Scott Overseas Inc.
of Delaware.

(Sgd.) D.W. Bailey

For and on behalf of
The Raymond Concrete
Pile Company of
Delaware

(Sgd.) J. Fletcher

For and on behalf
of The Fletcher
Construction Co. Ltd.
of New Zealand.

FLETCHER-MERRITT-RAYMOND

CONTRACT No.1304 - IMPORT WHARF.

APPLIES TO STORM SEWER TENDER.

Schedule of Rental Rates for Plant.

6-ton Truck Crane	...	...	...	£3. 10. 0.	per hour.
6-ton Crawler Crane	...	...	...	£3. 5. 0.	" "
6-ton Crawler Crane with Bucket	...	...	...	£3. 15. 0.	" "
5-ton Truck Crane	...	...	...	£3. 5. 0.	" "
Compressors	...	...	...	12. 6.	" "
Bulldozers	...	...	...	£3. 10. 0.	" "
Front End Loaders	...	...	...	£2. 5. 0.	" "
$\frac{1}{2}$ -ton Flat Bed Truck	...	...	...	8. 6.	" "
$\frac{1}{2}$ -ton Tip Truck	...	...	...	9. 3.	" "
4-ton Flat Bed Truck	...	...	...	19. 0.	" "
4-ton Tip Truck	...	...	...	£1. 1. 6.	" "
5-ton Flat Bed Truck	...	...	...	£1. 2. 0.	" "
5-ton Tip Truck	...	...	...	£1. 4. 6.	" "
2" Centrifugal Pumps	...	...	...	12. 6.	per day
3" " "	...	...	...	15. 0.	" "
6" " "	...	...	...	£2. 0. 0.	" "

MADE IN GREAT BRITAIN

FLETCHER-MERRITT-RAYMOND

CONTRACT No.1304 - IMPORT WHARF.

APPLIES TO STORM SEWER TENDER

Schedule of Labour Rates.

Carpenter's Leading Hands (3)	...	4/6d
Carpenters	... ..	4/0 $\frac{1}{2}$ d
Steel Fabricators	... ..	4/1d
Concrete Gang	... ..	4/1d
Labourers	... ..	3/6 $\frac{1}{2}$ d
Rigger's Leading Hands (2)	...	5/-
Fitters " " (2)	...	4/7d
Fitters	... ..	4/5d
Crane Drivers	... ..	4/5d
Boilermen	... ..	4/5d
Blacksmiths	... ..	4/5d
Storeman	... ..	4/-
Watchmen	... ..	3/7 $\frac{1}{2}$ d
Driver	... ..	3/7 $\frac{3}{4}$ d

Plus 15% on all rates
subject to changes in Awards .

Allow 3d over above rates for skill pay

(= charge hand)

FLETCHER-MERRITT-RAYMOND

CONTRACT No.1304 - IMPORT WHARF.

APPLIES TO STORM SEWER TENDER.

Schedule of Insurance Rates.

Workers' Compensation. Outside Staff - say 45/- per £100 paid.
Clerical " - 9d " " "

N.B. Workers on Wharf Construction - 80/- " " "

Public Liability. Rate is 9/- per £100 paid (excluding clerical
staff)

Plant. Take an average rate of 25/- per year on each
£100 value of Plant.

General Builder's Insurance.

Covers Fire
Builder's Risk
Explosion
Riot & Civil Commotion
Import Damage
Storm
Tempest
Earthquake

On £50,000 premium is £200, or 2/5ths per cent.

The lower the amount of cover, the higher the rate.

£1,500 @ say 1.5%

Auckland Harbour Board

TENDER

FOR CONTRACT No. 1323 for

INTERCEPTING STORMWATER SEWER - KINGS DRIVE

TO THE CHAIRMAN OF THE AUCKLAND HARBOUR BOARD. 19

Sir:-

I, We, the undersigned, do hereby Tender and offer to execute and perform the several works and provisions named, described and alluded to in the Specifications for the

INTERCEPTING STORMWATER SEWER - KINGS DRIVE

and under and in conformity to the General Conditions stipulated, for the sum of

and I, We, annex hereto the Schedule of Prices upon which this Tender is based and calculated.

I, We, enclose herewith cheque payable to Treasurer, Auckland Harbour Board (or cash) for £ 25.-.- (Twenty-five Pounds)

Should this tender be accepted I, We, undertake to execute a Contract and Bond embodying the aforesaid Specifications and Conditions within three days of the date of acceptance, and undertake to deposit with the Treasurer of the Auckland Harbour Board, a further sum of £ 50.-.- (Fifty Pounds) making a total of £ 75.-.- (Seventy-five Pounds) deposited.

Name

Address

The within Tender is accepted by the Auckland Harbour Board, Auckland,

The Common Seal of the Auckland Harbour Board was hereto affixed at a meeting of the Board held on the

day of

by and

two of

the members of the Board, in the presence of

Chairman.

Members

Secretary A.H.B.

AUCKLAND HARBOUR BOARD

Engineer's Office,

CONTRACT NO. 1323

SPECIFICATION FOR

WORK TO BE DONE AND MATERIALS TO BE USED IN THE CONSTRUCTION
OF INTERCEPTING STORMWATER SEWER KINGS DRIVE.

1. TENDERS: Tenders addressed to "The Chairman", Auckland Harbour Board, and endorsed on the envelope INTERCEPTING SEWER (STORMWATER), KINGS DRIVE..... will be received up till 12 noon on for the construction and completion of Intercepting Stormwater Sewer, Kings Drive in accordance with this specification.

Tenders received through the post will be recorded by the Secretary or his representative in the Tender book and placed in the Tender box to be opened in the presence of the Board. Tenders delivered by hand shall be signed for by the Secretary or his representative and be placed in the Tender box in the presence of the person delivering the tender. Tenders may be submitted by telegraph only provided proof is available that a written tender accompanied by the specified deposit has been posted not later than the time of closing of tenders.

2. INTERPRETATION OF TERMS: In this Specification wherever they may occur the terms:-

"Board" shall mean "The Auckland Harbour Board".

"Secretary" shall mean the person for the time being acting as Secretary to the Board.

"Engineer" shall mean the person for the time being acting as Engineer to the Board or his authorised representative.

"Contractor" shall mean the person or persons whose tender for construction of the works to which this Specification refers shall be accepted, and who shall sign the necessary Contract, and it shall include the executors, administrators and permitted assigns of such person or persons.

"Works" shall mean all the works, materials, acts, matters and things mentioned and described in the Specification, and also such other works, materials, acts, matters and things as are contracted to be performed by the Contractor.

"Approved" shall mean approved by the Engineer or his representative.

3. EXECUTION OF CONTRACT: The successful Tenderer shall, within seven clear days of notification of acceptance of his offer, execute a legal contract embracing all the clauses of this specification.

4. SCOPE OF CONTRACT: This contract shall be for the provision of all labour, material, plant, and other things necessary for the carrying out and completion of the works shown on drawings No. A.367/3 and E.572/1 ~~...~~ *...REVISED...25.7.52...* and more fully described or implied in this specification and enumerated in the schedule included herewith, and shall include all works incidental thereto and the maintenance of the said works for a period of ninety days from date of their completion, the whole to be done in accordance with the true intent and meaning of this specification and to the entire satisfaction of the Engineer.
5. DRAWINGS: The drawings and specifications in connection with this contract are the property of the Auckland Harbour Board and two complete copies will be furnished for the use of the Contractor. One such copy shall be kept on the work in the charge of the Contractor or a competent foreman. Both copies shall be returned to the Engineer immediately upon receipt of the final certificate or upon termination of the contract. The drawings and the dimensions and descriptions written thereon shall be strictly adhered to, together with such further drawings or explanations as may be given from time to time by the Engineer for the more particular and detailed description of various portions of the work. The scale to which the drawings are made is to be made use of only where no figured dimensions are given either on the drawings or in the specification. Figured dimensions shall be considered as correct, although they may not in every instance agree with the scale.
6. INSPECTION OF SITE: Tenderers shall make a careful inspection of the locality of the proposed work and satisfy themselves as to the nature of the work to be undertaken and of their ability to carry out the Contract in accordance with the true intent and meaning of this Specification.
- The Contractor shall be held to have complied with this clause and no allowance will subsequently be made for any claim on account of insufficient information.
7. DAYWORK: Work carried out under this contract shall be paid for under the conditions set out in the daywork schedule appended.
- In respect of all work executed on a daywork basis the Contractor shall furnish to the Engineer such receipts or other vouchers as may be necessary to prove the amounts paid. During the continuance of such work he shall deliver each day to the Engineer's representative an exact list in duplicate of the names, occupation and time of all workmen employed on such work and a statement also in duplicate showing the description and quantity of all materials and plant used thereon and therefor.
- One copy of each list and statement will if correct or when agreed upon be signed by the Engineer's representative and returned to the Contractor.

8. OVERHEAD CHARGES, TAXES, INSURANCES & FEES:

In addition to the direct costs for labour, materials and plant as ascertained in accordance with the foregoing clause and the daywork schedule the Contractor shall be entitled to payment in respect of the following:-

1. Overhead Charge, an amount equal to 10% of the direct labour cost for the use of tools, office equipment, sheds, shacks and other facilities new constructed at the Import Wharf site.
2. Insurances fees and taxes directly applicable to the work except Income Tax and direct taxes on wages.
3. Supervision, a lump sum payment of the amount stated in the daywork schedule to cover office and engineering expenses applicable to this work and salaries of office and warehouse personnel and shop and other personnel above the level of ganger in continuous charge of this work.
4. Fixed fee, an amount of £1,500 or 10% of the cost of the work, whichever is the greater which cost shall include the foregoing charges number 1 to 3.

9. BILL OF QUANTITIES: ~~The accompanying Bill of Quantities shows the approximate quantities of the work to be done under this Contract. The quantities are taken nett as shown on the drawings and are not to be considered as limiting or extending the amount of work to be done.~~

10. TIME OF COMPLETION: The work shall be carried out in an efficient and expeditious manner to the approval of the Engineer so as to ensure early completion but at no time will this Contract take precedence over Import Wharf in demands on labour or materials.

11. COMPLETION AND MAINTENANCE: The care and maintenance of all works under this Contract shall remain with the Contractor until the completion of the Contract.

When, in the opinion of the Engineer, the works shall have been substantially completed and have been taken over from the Contractor by him in clean condition and first class order he shall issue a certificate of completion in respect of the works and the period of Maintenance shall commence from the date of such certificate.

The period of Maintenance shall be ninety days and the Contractor shall maintain the whole of the works in thorough repair and first class order throughout this period.

Labour plant and materials employed on maintenance of these works will be paid for at the rates shown in the Daywork Schedule.

12. PAYMENT:

Payment will be made to the Contractor on the following basis:-

1. Direct charges, being all labour, plant and materials necessarily engaged on the work shall be paid for in accordance with the rates shown in the Daywork Schedule as under:-

Suggest the addition of "recalled"
Baronclough favours
his suggestion.

Not included in
signed Contract
ACT

Sutton says this will be too
unusually as contractor will be
paid the money before it is paid
to the men

- (a) direct labour costs will be paid weekly against timesheets.
- (b) other direct charges will be paid for weekly within one week of becoming due.
- 2. Overhead charge will be paid weekly together with payment for the labour charges on which it is based.
- 3. Insurances fees and taxes except Sales Tax will be refunded within one week.
- 4. Supervision will be paid in three equal amounts at periods to be agreed between the Contractor and the Engineer.
- 5. Fixed fee. Payments will be made to the Contractor once in each month to an amount of 10% of the value of the work done. The balance of the Contractor's fixed fee if any shall be paid within one week of the Engineer's certificate that the work has been completed and satisfactorily maintained for the maintenance period.

13. VARIATIONS AND EXTRA WORKS: The Engineer shall have power to vary, diminish or extend the quantities of work without invalidating the Contract provided always that such variation, increase, decrease or change shall be of a nature contemplated by the Contract and the Contract price shall be adjusted in accordance with the schedule rates. Where the schedule rates are not fairly applicable to such variations new rates shall be agreed. All variations shall be ordered in writing by the Engineer who will, at the time of issuing such order, decide the method of payment and the time to be added to or deducted from the contract completion time consequent on such variation.

14. WATCHING AND LIGHTING: The Contractor shall in connection with the Works provide and maintain all lights, guards, fencing and watching when and where necessary or required by the Engineer or by any competent statutory or other authority for the protection of the works or for the safety and convenience of the public or others.

15. DAMAGE TO PROPERTIES: The Contractor shall take out an insurance for, and shall at all times keep the Board indemnified against, all actions, claims and demands in respect of any injury or damage caused by himself, any of his workmen or any other person in his employ or acting under his direction, to the land or buildings or person of any third person or persons as a result of the execution of the specified works including the conveyance of materials or persons to or from the site.

16. INSURANCES: The Contractor shall effect and maintain during the continuation of the Contract the following insurances in offices approved by the Board.

- (1) FIRE INSURANCE: All works comprised in the contract and all plant and materials brought into or onto the works shall be kept insured against fire for their full insurable value.

- (2) WORKERS' COMPENSATION: The Contractor shall effect and maintain an approved insurance such as will protect him and the Board from claims under any Act for the time being in force relating to worker or workers' compensation or employers liability or under any other statutory provision or at common law. Before employing any labour on the works the Contractor shall lodge with the Board a certificate that such insurance has been effected and the name of the office concerned.

17. CONTRACTOR TO OBSERVE ALL LAWS BY-LAWS AND REGULATIONS:

In executing the contract the Contractor shall comply with the provisions of all Acts of Parliament and with all regulations and by-laws of state, local or other authorities that may be applicable to the works and shall pay all fees lawfully demanded by the public authorities for matters in connection with the Contract.

Where the express approval of the Building Controller is required for any aspect of the work or any material specified to be used such approval will be obtained by the Board.

18. STATUTORY CONDITIONS RELATING TO WAGES:

The Contractor shall observe all the provisions of every award or order of the Court of Arbitration and of every Industrial agreement and of every other statute, order or requirement from time to time in force in respect of payment of wages, conditions of labour and other matters relating to the employment of labour.

19. SUBJECT TO LIENS ACT: This contract shall be subject to the provisions of "The Wages Protection and Contractors Liens Act 1939" and its amendments.

20. SUB-LETTING AND FACILITIES FOR OTHER CONTRACTORS:

The Contractor shall not sub-let the Contract or any part of the Contract without the written approval of the Engineer, such approval not to be unreasonably withheld. Any approval for such sub-letting shall not be deemed to be a waiver of any of these conditions of Contract and shall not discharge the Contractor from the responsibility of ensuring that any part of the Contract so sublet is executed and completed in terms of the Contract.

The Contractor, if so requested by the Engineer, shall afford all reasonable facilities to any other contractor or his workmen or to workmen directly employed on or near the site on work ancillary to this Contract.

21. SERVICE OF NOTICES: Any notice to be given to the Contractor under the terms of this Contract shall be served by sending the same by post to or leaving the same at the Contractor's principal place of business (or in the event of the Contractor being a company to or at its registered office).

Any notice to be given to the Board under the terms of the Contract shall be served by sending the same by post or leaving the same at the Board's Office at Quay St., Auckland.

22. CONTRACTORS REPRESENTATIVE: The Contractor, when he is not personally present on the works shall be represented by a responsible agent approved by the Engineer to receive instructions and to represent the Contractor for all purposes of this Contract.
23. QUALITY OF WORK: All workmanship shall be in accordance with the best practice and all materials shall be the best of their respective kinds and shall be approved by the Engineer or his representative before being used in the work.
24. SANITATION AND CLEARING UP THE SITE: The Contractor shall maintain the works and the site of the works in a sanitary and hygienic condition and on completion of the Contract he shall clear the site of all temporary works, surplus plant and materials, and debris and leave the works and the site of the works in a clean and tidy state to the satisfaction of the Engineer.
25. BENCH MARKS AND SURVEY STANDARDS: Before the commencement of the work the Board will establish in any necessary "Bench Marks" and "Survey Standards" at suitable positions in the vicinity of the work and the Contractor shall preserve and use these marks for fixing all level and line pegs that he may require during the course of the work.
26. SETTING OUT THE WORK: The Contractor shall be responsible for the accurate setting out of the whole of the work true to the lines, levels and crossfalls shown on the drawings, and in accordance with such further instructions as may be given from time to time during the course of the work.
27. INSPECTION: The whole of the work will be subject to close inspection on behalf of the Board. Any material which is not approved by the Engineer shall be removed from the site immediately by the Contractor and replaced with approved material. Any work which is not approved by the Engineer shall be made good immediately by the Contractor to the satisfaction of the Engineer. Should the Contractor refuse or neglect or fail to remove from the site any material or to make good any work immediately when instructed by the Engineer to so do, then it shall be lawful for the Board to employ any other person or persons to remove such material or to make good such work.
28. RIGHT OF BOARD TO TERMINATE CONTRACT: Should the Contractor continue to refuse or neglect or fail to provide materials of a quality satisfactory to the Engineer or to carry out any works in connection with this contract in a manner to the satisfaction of the Engineer, or should the Contractor refuse or neglect to carry out the Works with such despatch as the Engineer shall consider necessary for the satisfactory completion of the Contract, then it shall be lawful

for the Board forthwith, without further notice to the Contractor, to terminate the contract so far as it relates to the Works remaining to be done and the Contractor shall have no claim whatsoever against the Board as compensation in respect of such termination of contract.

29. BANKRUPTCY ETC. OF CONTRACTOR:

If the Contractor shall become bankrupt or shall make any assignment for the benefit of his creditors or if the Contractor being a company shall go into liquidation then unless the assignee, trustee or liquidator forthwith makes arrangements satisfactory to the Engineer for the due prosecution of the works then in any of such cases the Board may on three days notice exercise all the powers conferred as is provided in the case of the right of the Board to terminate the Contract.

30. MATERIALS TO BE THE PROPERTY OF THE BOARD:

If the Contractor brings onto the Works materials for which he desires an advance of payment to be made then such materials shall become the absolute property of the Board.

Except for the purpose of carrying out the Contract the Contractor shall not, without the written permission of the Engineer, remove any of the said materials until the Engineer has certified the completion of the Contract when the unused materials shall re-vest in and become the property of the Contractor.

31. ARBITRATION:

Should any dispute arise between the Contractor and the Board in the execution of this Contract it shall be referred to the Engineer for his decision and that decision shall be binding on both parties. Should either party be aggrieved by such decision he may serve a notice on the Engineer requiring the matter to be referred to an Arbitrator to be agreed upon between the parties or, failing agreement, to be nominated on the application of either party by the President for the time being of the N.Z. Institution of Engineers and such reference shall be deemed to be a submission to arbitration within the meaning of the Arbitration Act 1908 or any statutory re-enactment or amendment thereof for the time being in force. The award of the Arbitrator shall be final and binding on the parties.

32. HEADINGS:

The headings to the foregoing clauses shall not be deemed to be part of the Contract nor explanatory thereof.

33. CONSIDERATION OF PUBLIC AND ACCESS TO PROPERTIES:

In carrying out the work the Contractor shall at all times consider the convenience of the public and the work shall be carried out in such a manner that properties fronting existing roadways shall at all times be accessible for ordinary business purposes, and that the roads affected are at all times kept open for vehicular and pedestrian traffic.

34. PUBLIC SERVICES:

Particular care shall be taken while carrying out the work to avoid disturbances or interruptions to gas, water, electricity or telephone services.

35. MAINTENANCES OF EXISTING STORMWATER SERVICES:

The Contractor shall carry out the work, such that the flow from existing sewers and drains, and the flow in road channels is maintained at all times.

36. PIPES:

All pipes larger than 6" diam. shall be Class "S" precast concrete spigot and socket pipes, circular in section, straight smooth and true in bore, and free from cracks and flaws of any description. Generally pipes shall conform to N.Z.S.S. 594 "Concrete Drainage Pipes (Precast)". All 6" bore pipes, bends and junctions for use in lamp holes drops and connections shall be in Class "B" salt glazed, earthenware, spigot and socket pipes and generally shall conform to B.S.S. 65/37 "Salt glazed Ware pipes".

Samples of pipes for use shall be lodged with the Engineer and thereafter all pipes shall conform in every respect with the approved samples.

37. CONCRETE:

Concrete throughout shall be made with a nominal mix of one part by volume of cement weighing 94 lbs per cubic foot., to two parts by volume of fine aggregate, to four parts by volume of coarse aggregate (1:2:4) mixed and laid to the approval of the Engineer. Alternatively a mix consisting of one part by volume of cement to five parts by volume of an approved shingle may be used. Concrete for pipe bedding shall be shingle concrete consisting of 6 parts of 1½" shingle with sand to approval to one part of cement.

38. EXCAVATION:

Excavation shall be taken out and trimmed as neatly as possible to the dimensions required to allow for the thickness of

38. EXCAVATION:
(Contd.)

concrete shown on the drawings. All thicknesses thus shown are minimum thicknesses. Trench excavations shall be of sufficient width necessary for the proper laying and jointing of pipes being efficiently carried out. In opening up the excavation all existing scoria or other metal used in base course and surfacing shall be set aside for reuse in reinstatement of the surface.

The sides of all excavations shall, where necessary, be supported with suitable timbering which shall comply with the scaffolding and Timbering Act 1922 and its Amendments.

Unless instructed by the Engineer timbering to trenches shall be withdrawn at the time of backfilling and shall be done in such a manner as to afford ample opportunity for the proper consolidation of the backfill and avoid any possibility of subsidence or collapse of the trench sides or damage to the sewer or nearby works or property.

Any trench timbering ordered by the Engineer to be left in shall be measured and paid for in terms of the schedule of rates.

39. FOUNDATION OF SEWER & MANHOLES:

On completion of the trench or manhole excavation to line grade and level and prior to the placing of any materials the trench bottom shall be inspected by the Engineer and, when approved by him, work shall proceed as follows:-

In average reclaimed ground the trench or manhole bottom shall be consolidated with a layer of one inch scoria power rammed or otherwise suitably consolidated to receive the concrete bed which shall be reinforced with two $\frac{3}{4}$ " diam. mild steel rods.

In bad ground where so instructed by the Engineer timber piles shall be driven as directed to receive the concrete bed and shall be measured and paid for at the rates shown in the Bill of Quantities.

If the contractor excavates too deep in any part of the trench then he shall make good such extra excavation in 6:1 scoria concrete,

40. LAYING AND JOINTING OF PIPES:

All pipes shall be laid true to line, level and grade on a bed of reinforced concrete haunched at the sides as shown on the drawings.

40. LAYING AND JOINTING OF PIPES:
(Contd.)

All pipes shall be butted and carefully jointed in 1:1 cement and sand mortar and all surplus jointing material shall be removed from inside the pipe.

Prior to the placing of any back fill or the withdrawal of any timber all pipes and manholes shall be inspected and approved by the Engineer.

All pipelaying and jointing shall be done by skilled pipelayer licensed and approved by the Auckland City Council.

All pipelaying and jointing shall be to the best standards of workmanship as required by the Auckland City Council.

41. MANHOLES AND LAMPHOLES:

Manholes shall be constructed in reinforced concrete to conform in all respects to the details shown on Drawing No. E.572/1.

The concrete shall be so placed and consolidated as to afford a dense watertight structure.

Step irons shall be galvanised and to approved pattern and shall be properly cast in with the wall as the work proceeds.

Lampholes shall be constructed in concrete encased salt glazed earthenware pipes to conform in all respects to the details shown on Drawing No. E.572/1.

Manhole and lamphole covers and frames shall be in cast iron to the Auckland City Council standard patterns properly set in cement mortar and so fixed to be flush with the existing foot path surface.

Invert channels shall be properly constructed in half round pipe carefully cut and fitted and the benching shall be in 3:1 cement mortar of smooth finish and true to line levels, grade and crossfall.

42. SEALING ABANDONED SECTIONS:

Those sections of existing drains which are to be abandoned shall be adequately sealed off by plugging solid with concrete for a length of at least two feet at the upstream end.

43. BACK FILLING TO TRENCHES:

When the laying of pipes has been approved the trench shall be back filled in layers not exceeding 6 inches thick except the first layer which shall be 12 inches thick

43. BACK FILLING TO TRENCHES:
(Contd.)

and of such material and so consolidated as to bed evenly and firmly round the sewer. Each layer shall be thoroughly rammed and consolidated to the satisfaction of the Engineer. The base course material of the surface metalling shall be carefully replaced and additional 2 inch all in metal shall be provided by the contractor as necessary to provide a total consolidated thickness of base course of 3 inches finishing $\frac{1}{2}$ " below finished levels. The surface shall then be consolidated and treated with an approved weed killer.

44. REINSTATEMENT OF SURFACE:

The surface shall be covered with a layer of $\frac{1}{2}$ " metal chips at the rate of 1 cu.yd. to 50 sq.yds. of surface area and rolled to a true and even surface, which shall be uniformly sprayed with 180-200 hot bitumen applied at the rate of $\frac{1}{2}$ gall. per sq. yard and immediately covered with clean dry screened $\frac{1}{4}$ " crushed bluestone chips applied at the rate of 1 cu.yd. to 120 sq.yds. of surface, broomed and rolled with a 2-3 ton roller to a true finish conforming to the existing adjacent surfaces. A seal coat of cold bituminous emulsion 55% asphalt content shall then be sprayed on at the rate of $\frac{1}{3}$ gall. per sq.yd. and immediately covered with crushed red shingle $\frac{1}{8}$ " gauge uniformly spread at the rate of 1 cu.yd. to 120 sq.yds. of surface, broomed and rolled with a 2-3 ton roller to a true finish.

(Sgd.) N.L. VICKERMAN,

CHIEF ENGINEER TO THE BOARD.

CONTRACT NO. 1323

BILL OF QUANTITIES FOR:

KINGS DRIVE - STORMWATER DRAINS -

PROPOSED INTERCEPTING SEWER - DRAWING NOS. A367/3 & E572/1.

PREAMBLE: Attention is directed to the Form of Contract, the Specification, and the Drawings which shall be read in conjunction with this Bill of Quantities.

~~The prices and rates entered in the Bill of Quantities are to be the full inclusive value of the work described.~~

~~A price or rate is to be entered against each item whether quantities are shown or not. Items against which no price or rate is entered shall be considered as covered by other rates or prices in the Bill.~~

All quantities are measured nett as shown on the drawings and no allowance has been made for bulking or waste. The depth used in the items covering trench and manhole excavation is the depth from existing surface level to the invert of the sewer. The Tenderer is to make what allowance he considers necessary for excavation to sewer or manhole foundation.

The quantities of work and materials in the Bill are not to be considered as limiting or extending the amount of work to be done or materials to be supplied by the Contractor.

~~Provisional sums and P.C. Items are to be dealt with as described in conditions of Contract and specification.~~

Not included in Signed Contract

INTERCEPTING STORMWATER SEWER - KINGS DRIVE

Sheet No. 1

Item No.	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT			
					£	s.	d.	
<u>PRELIMINARY ITEMS:</u>								
1.	Allow for visiting and inspecting the site, for verifying the drawings and quantities; for ascertaining the nature of the ground and the nature and extent of existing works; for accurate setting out of the work including the provision of all necessary instruments templates, pegs and etc, for giving all notices and paying all fees required by law to persons or authorities so entitled in respect of this contract.				15	0	0	
2.	Allow for and make such arrangements as will be necessary from time to time to ensure the continuous flow of a stormwater; to provide continuous access to adjoining property and to safeguarding the public as required by the specification.				25	0	0	
3.	Allow for making good all surfaces of lands and pavings in or through which the works are performed; for making good injury or damage to property or land occasioned by the execution of the works or by extraordinary traffic arising therefrom; for removing from time to time all objectionable condemned or surplus material; for leaving the site in a clean and tidy condition on completion; for watching for and taking the necessary precautions against fire or any other accident arising from the works.				100	0	0	
<u>EXCAVATOR & DRAINLAYER:</u>								
For payment purposes the depths of all drains shall be measured from ground level to invert of the pipe and the depths of manholes shall be measured from finished surface level to the invert of the outlet pipe. The rates quoted shall include for such further excavation as may be necessary for bedding and jointing or constructing manhole foundations. All excavation rates quoted shall include for all necessary dewatering, timbering, backfilling, consolidating, and removal of surplus spoil.								
					£	275	0	0

Not included in Signed Contract

Payment for the works at the rates shown in the daywork schedule attached

INTERCEPTING STORMWATER SEWER - KINGS DRIVE

Sheet No. 2

Item No.	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT		
					£	s.	d.
4.	Excavate for, provide, lay and joint 21" diam. Class "S" centrifugally spun precast concrete pipe on concrete bed and haunch in reclaimed ground return fill and consolidate and remove surplus, depth exceeding 11'-0" but not exceeding 12'-0". Excavation below 4'-6" between H.W.S.T. & L.W.S.T.	217	lin.ft.		275	0	0
5.	Ditto 18" diam. ditto depth exceeding 9'-6" but not exceeding 11'-0" ditto.	369	lin.ft.		575	0	0
6.	Ditto 12" diam. ditto depth exceeding 7'-0" but not exceeding 9'-6" ditto.	310	lin.ft.		485	0	0
7.	Ditto 9" diam. ditto depth exceeding 5'-0" but not exceeding 7'-0" ditto.	104	lin.ft.		400	0	0
8.	Extra over ordinary excavation for excavating in tar sealed footpath including setting aside footpath material and carefully returning and consolidating same	1026	lin.ft.		88	0	0
9.	Mild steel reinforcement in place to pipe foundations including all necessary bending and fixing. (2/4" bars full length)	27.5	cwts.		51	0	0
10.	Provide and lay drop connection to sewer in 6" diam. glazed earthenware pipe including 8'-0" straight pipe, 1 - 90 degree bend, jointing making good existing pipe and making connection into 21 inch diam. pipe.	1	No.		137	0	0
11.	Manhole in reinforced concrete including all necessary reinforcement, excavation, backfilling, formwork, channels, benchings, stepirons, cast iron manhole cover with frame and building in inlet and outlet pipes and including making good surrounding surface, manhole 2'-3" x 4'-6" x 6'-0" high internal with shaft 2'-3" square internal depth not exceeding 7'-0". Work below 4'-6" between H.W.S.T. & L.W.S.T.	1	No.		4	0	0
12.	Ditto depth not exceeding 9'-6" ditto	1	No.		30	0	0
					36	0	0
					£	2381	0 0

Not included in Signed Contract

Item No.	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT			
					£	s.	d.	
					238	0	0	
13.	Ditto depth not exceeding 12'-0" and including breaking out, making good and forming 21" diam. outlet through wall of existing 6'-6" x 7'-9" reinforced concrete culvert.	1	No.	45	0	0		
14.	All as item 12 but for drop manhole with 6" diam. inlet including all necessary 6" diam. glazed earthenware pipes, bends, junctions excavation, concrete bed and surround to ditto and connecting to and making good existing 6" pipe. Drop not exceeding 3'-0" depth of manhole not exceeding 8'-0". Work below 4'-6" between H.W.S.T. & L.W.S.T.	1	No.	45	0	0		
15.	Ditto drop not exceeding 7'-0" depth not exceeding 10'-6" ditto.	1	No.	50	0	0		
16.	Ditto drop not exceeding 8'-0" depth not exceeding 11'-6" ditto.	1	No.	58	0	0		
17.	Lamphole 6" diameter glazed earthenware pipe including all necessary pipe, bends, junctions, excavation, backfilling, concrete surround and formwork connection to sewer and cast iron lamp hole cover with frame fixed complete as specified and shown on the drawings and including making good surrounding surface depth not exceeding 5'-0".	1	No.	10	0	0		
<u>REINSTATEMENT:</u>								
18.	Reinstate surface of trench in footpath including replacing or making good base course with approved 2" all in metal, constructing wearing course and penetrating and sealing with bitumen and rolling and brooming as specified.	1026	lin.ft.		166	0	0	
<u>PROVISIONAL SUM:</u>								
19.	Allow the provisional sum of Three Hundred Pounds to provide for work not otherwise included or for unforeseen contingencies to be expended wholly or in part, only under the Engineer's direction and at his discretion.		Item		300	-	-	
20.	Specify and allow for any work specified to be done by the Contractor not covered by a separate item in the Bill of Quantities.				5000	0	0	
TOTAL LUMP SUM TENDER.					£	8052	0	0

Not included in Special Contract

Tubing Pumping

INTERCEPTING STORMWATER SEWER - KINGS DRIVE

Sheet No. 4

Item No.	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT		
					£	s.	d.
21.	<p><u>Extra work to Piled foundations</u> in bad ground as instructed by the Engineer.</p> <p>Construct piled foundation in selected pinus insignis timber including 4" thick scoria bed, one 6" x 4" stringer (with 6" x 4" corbel at splice) spiked over each pile and single 4" x 4" piles at 4'-7" centres not exceeding 6'-0" long. (Excavation pipe and concrete bedding measured separately).</p>						
		Rate Only	Lin.Ft.				
22.	Ditto piles not exceeding 12'-0" long ditto.	Rate Only	Lin.Ft.				
23.	Ditto piles not exceeding 18'-0" long ditto.	Rate Only	Lin.Ft.				
24.	Timber in timbering to trenches left in as instructed by the Engineer	Rate Only	100 sup Ft.				

Not included in Signed Contract

~~I/We offer to perform the whole of the works in accordance with specification No. 1323 and as shown on Drawings No. A.367/3 & E.572/1 for the prices set out in this Schedule and I/We under take to complete the said works within weeks from the date of signing of Contract.~~

Signature

Address

.....

Date

AUCKLAND HARBOUR BOARD

CONTRACT NO. 1323

INTERCEPTING STORMWATER SEWER - KINGS DRIVE.

DAYWORK SCHEDULE:

PREAMBLE.

1. The time of gangers working with their gangs is to be paid for under the appropriate items, but the time of foremen and other supervising staff is to be covered by overhead charges and supervision as specified.
2. Overtime at the discretion and instruction of the Engineer may be worked and will be paid for at the schedule rates increased in the ratio established in the appropriate award.
3. The rates for materials are to cover delivery at the usual points at which materials are received on the works.
4. The rates for heavy plant are to apply only to plant which the Contractor has available on the site and in a serviceable condition and which in the opinion of the Engineer is required for the efficient execution of the works and shall include for crew and all necessary fuel lubricants maintenance and servicing.
5. The use of ordinary plant, (i.e. barrows, hand-tools, lamps, shacks, sheds, sheer-legs etc.) shall not be subject to a separate charge but shall be included in the Overhead Charge, but labour costs for sharpening tools and attending lights will be paid for at the appropriate labour rates.
6. The total lump sum payment to cover office and engineering expenses and salaries of office and warehouse personnel shall be £150.

LABOUR RATES (As at July, 1952)

(1)	Carpenter's Leading Hand	5/- per hour + allow.	4/- per day.
(2)	Carpenters	4/6 $\frac{1}{2}$	per hour.
(3)	Steel Fabricator	4/4	" "
(3b)	" " (Leading Hand)	4/6	" " + 2/6 per day.
(4)	Concrete Worker	4/4 $\frac{3}{4}$	" "
(4b)	" " (Foremen)	4/9 $\frac{3}{4}$	" " + 2/6 per day.
(5)	Rigger	4/7 $\frac{1}{2}$	" "
(5b)	" (Leading Hand)	5/2 $\frac{1}{2}$	" " + 2/6 per day.
(6)	Fitter	4/7 $\frac{1}{2}$	" "
(6b)	" (Leading Hand)	5/2 $\frac{3}{4}$	" " + 2/6 per day.
(7)	Crane Driver	4/7 $\frac{1}{2}$	" "
(8)	Boilermen	4/7 $\frac{1}{2}$	" "

LABOUR RATES (As at July, 1952) Contd.

(9)	Blacksmiths)	4/7½ per hour
(10)	Storeman	4/- " "
(11)	Watchmen	3/7½ " "
(12)	Car & Truck Drivers	4/2 " "
(13)	Welders	5/2½ " "
(14)	Labourer, General	4/- " "
(15)	" (Foreman)	4/6 " " + 2/6 per day.

The above rates are all plus 15% and are subject to the following additional payments and the percentage allowance for holiday money stated following:-

ADDITIONAL PAYMENTS:

- (1) All except Drivers and Watchmen receive 1 hour per day travelling time and 1/4d per day fares.
- (2) Meals for Overtime - all receive 3/- per meal.
- (3) Carpenters' Tool Money - 2d per hour.
- (4) Fitters when welding - 2/- per day extra.
- (5) Labourers on concrete work - 2½d per hour extra.
- (6) Labourers on painting and tarring - 6d per hour for full day.
- (7) Dirt Money: Carpenters - 2d per hour.
Labourers - 2½d " "
- (8) Wet Money: (Same as Dirt Money above)
- (9) Depth Money: Various rates.

The above additional payments are all plus 15%.

HOLIDAY MONEY:

Allowance for Holiday Pay 7.88%, based on a normal 40 hour week.

The above labour rates and additional payments shall be subject to such variation as may be agreed between the Engineer and the Contractor provided that the labour rates and additional payments to be reimbursed to the Contractor shall in no case exceed those being paid by the Contractor from time to time to the corresponding category of labour employed by him on Contract No.1304.

No other categories of labour shall be employed by the Contractor without first obtaining the approval of the Engineer and agreeing the relevant rates.

2. PLANT RATES:

6 ton Truck Crane	£3.10. 0 per hour
6 ton Crawler Crane	3. 5. 0 " "
ditto with bucket	3.15. 0 " "

PLANT RATES (Contd.):

5 ton Truck Crane	£3. 5. 0	per hour
Compressor	12. 6	" "
Bulldozer	3.10. 0	" "
Front end loader	2. 5. 0	" "
½ ton Flat Bed Truck	8. 6	" "
½ ton Tip Truck	9. 3	" "
4 ton Flat Bed Truck	19. 0	" "
4 ton Tip Truck	1. 1. 6	" "
5 ton Flat Bed Truck	1. 2. 0	" "
5 ton Tip Truck	1. 4. 6	" "
2" Centrifugal Pump	12. 6	" "
3" " "	15. 0	" "
6" " "	2. 0. 0	" "

The above plant rates include drivers wages in so far as these are applicable.

The above plant rates shall be subject to such variation as may be agreed between the Engineer and the Contractor provided that the plant rates to be reimbursed to the Contractor shall in no case exceed those being paid by the Contractor from time to time for the corresponding items of plant engaged by him on Contract No.1304.

3. MATERIALS RATES:

The rates for materials shall be the same as those shown in the Schedule of Materials Annexed to the Bill of Quantities and agreed upon for the purposes of Contract No.1304 Construction of Import Wharf in so far as these are applicable.

The rates for materials shall cover the delivery of the materials to the site.

4. INSURANCES:

Schedule of Insurance Rates.

Workers' Compensation. Outside Staff - say 45/- per £100 paid
Clerical Staff - 9d " " "

N.B. Workers on Wharf Construction - 80/- " " "

Public Liability. Rate is 9/- per £100 paid (excluding clerical staff)

Plant. Take an average rate of 25/- per year on each
£100 value of Plant.

General Builder's Insurance.

Covers Fire
Builder's Risk
Explosion
Riot & Civil Commotion
Import Damage
Storm
Tempest
Earthquake

On £50,000 premium is £200, or 2/5ths per cent

The lower the amount of cover, the higher the rate.

£1,500 @ say 1.5%

5. VARIATION OF PRICE (LABOUR & MATERIALS):

1. If after the date of Tender there shall be any increase or decrease in the cost prevailing at such date of any of the materials consumable stores fuel or power (and whether for permanent or temporary works) named and priced in the Schedule of Materials and purchased by the Contractor at ruling market prices after the date of Tender which increase or increases decrease or decreases shall result in an increase or decrease of cost to the Contractor in carrying out the Works the net increase or decrease of cost shall form an addition or deduction as the case may be to or from the Contract Price and be paid to or allowed by the Contractor accordingly.
2. If any Statute or Statutory Instrument shall after the date of Tender be formally applied to the Contract or become compulsorily applicable thereto the Employer will reimburse to the Contractor the net extra cost of the Works occasioned by compliance with such Statute or Statutory Instrument.
3. The Contractor shall as soon as is practicable after any such increase or decrease as is mentioned in sub-clauses (1) and (2) hereof becomes effective give written notice thereof to the Engineer.

29th. October, 1951

Messrs. Fletcher, Merritt, Raymond,
P.O. Box 644,
AUCKLAND.C.1.

Dear Sirs,

CONTRACT No. 1323 - INTERCEPTING
STORM WATER SEWER, KINGS DRIVE.

I enclose herewith specification, Bill of Quantities
and Drawings A367/3 & E572/1 for Contract No. 1323, Intercepting
Storm Water Sewer Kings Drive for which, I understand, you wish
to tender.

Yours faithfully,

RAJS/JRA

ENGINEER TO THE BOARD.

Encl: 1 Copy Specification, Bill & Drawings.

EXTRACT FROM BOARD'S RESOLUTIONS TUESDAY, 17TH OCTOBER, 1951.

5. CONTRACT NO.1323 - INTERCEPTING
STORMWATER SEWER.

Your report, 11.10.1951, re Contract No.1323 - Intercepting Stormwater Sewer - King's Drive, recommending that, as no tenders had been received for this Contract, you be authorised to negotiate a Contract for the carrying out of this work.

Recommended:

That the Engineer's report be adopted.

11th October, 51.

THE GENERAL MANAGER.

CONTRACT 1323 - INTERCEPTING STORMWATER
SEWER - KINGS DRIVE.

No tenders have been received for this contract. This is the second time the contract has been advertised without receiving a single tender.

It is essential that this sewer be constructed to provide alternative arrangements for the disposal of Stormwater discharging through various outfalls on the northern side of King's Drive before these become blocked by the progress of the reclamation.

I therefore recommend that I be authorised to negotiate a contract for the carrying out of this work, or to make the best arrangements possible for this work to be done.

JAG.JS.

ENGINEER TO THE BOARD.

13th September, 51.

THE SECRETARY.

CONTRACT NO. 1323.

CONSTRUCTION OF INTERCEPTING STORMWATER SEWER, KING'S DRIVE.

As no tenders were received for the above contract,
please readvertise tenders closing on Tuesday, 2nd October,
1951.

WJT.JS.

ENGINEER TO THE BOARD.



Auckland Harbour Board

Memorandum

Auckland, N.Z.

13th September, 1951.

The Engineer,
A. H. B.

Board Meeting - 24th September, 1951.

I have to advise that no tenders were received for Contract
No. 1323 - Construction of Intercepting Stormwater Sewer, King's Drive.

Grace

SECRETARY

8

TELEPHONE
32-650

PRIVATE BAG,
C.P.O. AUCKLAND

CITY OF AUCKLAND

CITY ENGINEER'S OFFICE,
TOWN HALL, AUCKLAND, C.1

1st August, 1951.

IN REPLY **AKW.MEC.**
PLEASE QUOTE: **37/289**

The Chief Engineer,
Auckland Harbour Board,
P.O.Box 1259,
AUCKLAND C.1.

Dear Sir,

QUAY STREET STORMWATER SEWER : A.H.B. PLANS
A.367/3. E.572/1 and Speen. 1323.

Receipt is acknowledged of the above plan and covering memo. dated 12th July 1951.

The plan has been examined, and, as the amendments outlined in my letter to you dated 6th July 1951 have been made, the plans and specification are now approved.

Yours faithfully,

A.J. Dickson
(A.J. DICKSON)
B.E., M.I.C.E.
City Engineer

per [Signature]

Encls.

12th July, 1951.

The City Engineer,
Auckland City Council,
Town Hall,
AUCKLAND.

Dear Sir,

KINGS DRIVE - STORMWATER DRAINAGE.

The minor amendments to the specification for the above, required in your 37/289 of 6th inst., have been made and I now forward fair copy of the plans and specification for your approval and retention.

The maintenance of the trench during construction and during the maintenance period is provided for in the general conditions.

Yours faithfully,

JAG.JS.

ENGINEER TO THE BOARD.

Encls: 1 Copy Specification No.1323.
1 " Drawing A.367/3.
1 " " E.572/1.

CITY OF AUCKLAND

CITY ENGINEER'S OFFICE
TOWN HALL, AUCKLAND, C.1

IN REPLY
PLEASE QUOTE: **ATS/EWP**
37/289.

6th July, 1951.

The Chief Engineer,
Auckland Harbour Board,
P.O. Box 1259,
AUCKLAND, C.1.

Dear Sir,

King's Drive : Stormwater Drainage

In reply to your letter of 21st June, 1951, regarding the plans and specification (apparently draft only) covering the work of laying a stormwater drain in the northern path of King's Drive east of French Street, I have to make the following comments.

The matters mentioned in my letter of 7th February, 1951, are dealt with satisfactorily by your amended proposals as now submitted. However, there are the following minor matters which will require attention before my formal approval can be given.

see p. 11. cl. A1.

2/3/4" if in case not good.

1. In view of the fact that the sewer is to be laid in ~~the~~ filling, I would ask that the pipes be bedded in shingle concrete instead of scoria concrete and that 2 $\frac{3}{4}$ " diameter rods be provided in the bedding. This requirement is subject to a possible relaxation if it should transpire on opening up the trench that the ground is sound enough to allow of the normal requirements only.

It is noted that in your Bill of Quantities that the steel allowed for is apparently based upon 2 $\frac{3}{4}$ " rods throughout.

2. In Clause 46, 3/16" crushed shingle is specified for the footpath whereas the Council's standard is McCallum's 2(b) which is $\frac{1}{8}$ " size. I would request, therefore, that the specification be amended to conform with Council's standard in this regard.

General conditions

I wish to point out that no mention is made in the specification of the necessary maintenance of the trench. Such maintenance will be the responsibility of your Board in terms of its legal powers and liabilities when carrying out ~~the~~ work in City streets.

I wish to point out further that the usual inspection fee of $\frac{1}{4}$ per cent. of the contract price of the work is payable to the Council by your Board.

Your plans and draft specification are returned herewith.


Yours faithfully,

Mr. Smith please amend spec. + bill accordingly. Fair copy of complete spec. & plans required to accompany letter.

J. 10.7.51.

A. J. Dickson

(A. J. DICKSON)
B.E., M.I.C.E.
City Engineer.

per 

Encl. Plans & draft
specification.

21st June, 1951.

The City Engineer,
Town Hall,
AUCKLAND.

Dear Sir,

KING'S DRIVE STORMWATER DRAINAGE.

Enclosed please find copy of drawings E.572/1 and B.1101/1 and specification for Contract 1323 Intercepting Stormwater Sewer, Kings Drive for your formal approval.

Pipe sizes have been amended and additional man-hole has been added as required by your 19/103 of 7th February.

Borings which have been taken along the proposed line of the sewer do not indicate that piling under the sewer will be necessary as the filling appears to have consolidated well and in any case the best filling material was reserved for the extremity of the old reclamation.

May I have your early approval of the plans and specification so that tenders can be called for the work to be put in hand.

Yours faithfully,

JAG.JS.

ENGINEER TO THE BOARD.

TELEPHONE
32-650

PRIVATE BAG,
C.P.O. AUCKLAND

CITY OF AUCKLAND

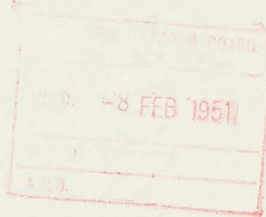
CITY ENGINEER'S OFFICE
TOWN HALL, AUCKLAND, C.1

7th February 1951.

IN REPLY
PLEASE QUOTE:

LBB.MEC.
19/103

The Engineer,
Auckland Harbour Board,
Quay Street,
AUCKLAND C.1.



Dear Sir,

Your letter of 11.1.51. and the accompanying plan giving details of the proposed drain in Quay Street (referred to as Kings Drive in your letter) are to hand, and I have to advise you as follows :

A check has been made of the size of the drain and this has shown that between manhole A. and manhole B. the pipe size should be increased to 21" diameter. The other pipe sizes are satisfactory, but a manhole should be provided at point 807 as the side drain which it is required to pick up at this point runs into the Railway yards.

Yours faithfully,

A.J. Mickson
(A.J. MICKSON)
B.E., M.I.C.E.
City Engineer

Mr Goodwin
Mr Holmes

let boring to break stone bank:-

*Spoke to lawyer re proposal to sink shallow
bore through footpath. O.K. with him
provided we cause minimum obstruction and
protect public.*

16.3.51

11th January, 1951.

The Acting City Engineer,
Auckland City Council,
Private Bag,
C.P.O.,
AUCKLAND.

Dear Sir,

KING'S DRIVE STORMWATER DRAINAGE.

As you are aware reclamation work is being carried out in Mechanics Bay and it will be necessary to make other provision for the disposal of stormwater from King's Drive and adjacent areas before the outfalls become covered.

The attached copy of drawing No.B1101/1 shows the proposed stormwater sewer to be laid to intercept the existing stormwater outfalls, which is proposed to be connected to your existing 6'6" X 7'9" culvert.

At this stage may I have your approval of the general layout, the proposed pipe sizes and the connection to your culvert, following which contract plans will be prepared and submitted for your approval before the work is put in hand.

Yours faithfully,

JAG.JS.

ENGINEER TO THE BOARD.

- C O P Y -

AUCKLAND HARBOUR BOARD.

No.6552.

INSTRUCTIONS TO FOREMEN AND INSPECTORS.

24th. June, 1936.

Foreman of Works.

STORM AND FOUL WATER DRAINS - KINGS DRIVE
AND ALLENBY STREET.

Please lay the sewer and storm water extensions shown on the accompanying sketch.

This is urgent and further details will be supplied as the work is opened up.

Mr. Greer will set out the work and give you the necessary levels.

*(See file
No. 734)*

D. Holderness
ENGINEER TO THE BOARD.

per: A.N.T.

771

The City Engineer,
Town Hall,
AUCKLAND.

12th. July 28

Dear Sir;

STORM WATER DRAIN KINGS DRIVE.

Referring to previous correspondence on this matter,
the 12" drain agreed upon between us has now been laid and all
cesspits are functioning properly.

Yours truly,

ACTING ENGINEER TO THE BOARD.

4th. July 28

The purchasing Officer.

CONCRETE PIPES.

In reply to Messrs. Hume Pipe Co's letter of 3rd July, quotations were for concrete sewer socket pipes and no mention of first quality was made as is stated in their letter.

If this firm has several qualities of pipes they should quote for the respective qualities likely to be suitable.

The accepted pipes were of good quality and quite suitable for the purpose for which they were required.

ACTING ENGINEER TO THE BOARD.

Copy.

HUME PIPE COMPANY (AUSTRALASIA) LTD.

8 Quay Street,
Auckland
3rd July 1928.

The Secretary,
Auckland Harbour Board,
AUCKLAND.

Dear Sir:

About a month or so ago, you called for quotations for the supply of first quality 12" Pipes, and we are rather surprised to find that you had accepted certain Pipes from a Whakatane firm.

I think you will agree with me, on examining the Pipes that they could not be classified as first quality, and had we known that you would accept the finish of a Pipe as the Whakatane Pipe is, we could have quoted you for third or fourth quality reinforced and made by the centrifugal process, and equal in all respects to that which you have accepted as first quality.

We would respectfully point out that there are many qualities of Pipes, and naturally, if you call for first quality, which is expected to be of superior finish, we quote for same, but it is somewhat an unfair advantage if your Board accept a Pipe of much inferior quality and finish to that which we manufacture, and it would be hopeless for us to compete unless we are permitted to quote for a Pipe of lower quality, but still up to the quality of the Whakatane Pipe.

Yours faithfully,
HUME PIPE CO. (Aust.) LTD.
(Sgd) W.Mek. Jeffrey,
M.I.E. (Aust) M.N.Z. Soc. C.E.
Manager & Engineer,
N.Z. Branches.

file



Copy.

for Engineers

R. W. SCHOFIELD & COMPANY, LTD.

Whakatane, N.Z.

May 25th 1928.

The Purchasing Officer,
Harbour Board Office,
Auckland.

Dear Sir,

Referring to yours of 22nd inst. re Concrete
Pipes.

We regret that your order arrived after
shipment of 647 ft. and we are unable to supply Specials
in addition at the present moment.

We suggest that you use clay junctions as these
will be quite alright to fit our article.

We can supply you late next week with

5 Only Vee 6" on 12"

1 " Tee 12" on 12"

If you require us to do this please wire
immediately. We thank you for your business but regret that
owing to a good deal of mismanagement by our Railway folk
we were put to the trouble of handling the pipes three
different times to their detriment; however better luck
next time.

We are in a position to give your Board good
prices for quantities at any time.

Yours faithfully,

R. W. SCHOFIELD & CO.

(Sgd) R. W. Schofield.

*663-6" - 12" Concrete Pipes
5 only V junction 6" on 12"
1 " T
12" on 12"*

Off. 3690.

Auckland Harbour Board.

MEMORANDUM

FROM

Keir P Angus
Drawing Office.

21st May 1928.

To

THE ENGINEER

Stairway Drains, Kings Quay.

Total length of drain. 724 feet
less 2 man holes 8 - (minut pipes from stock)
716 feet.
Supplied by Home Life Co. 52'-6" (9 lengths x 5'-10") 12" pipe
Net required. 663'-6" = 221-3' pipes.

To be ordered. Specials 5- Tee junctions 6" or 12"
1 Tee " 12" or 12"
Pipes - if above specials are on Standard 12"x3' pipe
we need 221 - 6 specials + 1 for lamp hole.
• 216/3' pipes.

net including sample pipe received

Keir P Angus
2/5/28

N.B. a few 6" pipes for picking up side drains
may also be required.

PIPES FOR CHRISTCHURCH.

Star. 14/8/28.
AUCKLAND OFFER ACCEPTED.

A MONOPOLY ALLEGED.

(By Telegraph.—Special to "Star.")
CHRISTCHURCH, this day.
After a vigorous discussion, the Drainage Board decided not to call for tenders for pipes that it requires. It determined to give a straightout order to an Auckland firm for £5000 worth. A letter was received from the Napier Concrete Company, Auckland, forwarding a list of pipes which they were prepared to manufacture in Christchurch. The letter stated: "We should like an order for from, say, £4000 to £5000 worth of pipes and fittings. This would be a start for us in your city, and would no doubt be the means of decreasing the price all round to you. We are prepared to commence delivery in August next."

During discussion, Mr. H. G. Livingstone made a declaration that there existed in New Zealand to-day a combine or trust of earthenware pipe manufacturers, whereby the price and output of pipes was controlled by a monopoly, much to the detriment of the public and local bodies of the Dominion. He supported his allegations by a copy of an agreement, which he claimed was in operation. "We have been mugs," Mr. Livingstone said. "It is time we got down to these people and let them understand once and for all that this board is not going to stand for this kind of thing. We should give the Auckland company a £5000 order, and let them come here. It will burst up the arrangement."

Other members supported the proposal to give a straightout order. An amendment that the board call for tenders was not seconded.

"NO UNDUE PROFITS"

Son, 18/5/28.
PIPE MANUFACTURER
DENIES ALLEGATIONS

LETTER TO DRAINAGE BOARD

Press Association.

CHRISTCHURCH, Thursday.

Following the publication of the text of the trade agreement of three drainpipe manufacturers of Christchurch at the Drainage Board meeting on Tuesday night, the proprietor of the Homebush Pipe Company, Mr. P. McSkimming, has addressed a letter to the chairman of the board repudiating the suggestion that the agreement was for the purpose of exploiting the board or the public.

Mr. McSkimming contends that the agreement was necessary because no single works in Christchurch can supply all the pipes required and only by the works concentrating on certain sizes can the output be sustained.

In proof of this statement that no undue profits are being made Mr. McSkimming offers to produce his account books and further offers to sell his works to the Drainage Board at the price he paid for them.

A PIPE COMBINE.

Star. 21/5/28.
DRAINAGE BOARD PERTURBED.

ORDER COMES TO AUCKLAND.

Something in the nature of a bombshell was sprung at the meeting of the Christchurch Drainage Board last week, when Mr. H. G. Livingstone made a declaration that there existed in New Zealand to-day a combine, or a trust, of earthenware-pipe manufacturers whereby the price and the output of pipes was controlled by a monopoly, much to the detriment of the public and the local bodies of the Dominion. He supported his allegations by a copy of an agreement which he claimed was in operation.

The agreement, as published in the "Christchurch Press," is alleged to have been made on November 25, 1926, between P. McSkimming and R. J. Murphy, on behalf of the Earthenware Pipe Manufacturers in Christchurch, including the Canterbury province and the West Coast of the South Island, on the one part, and W. McK. Jeffrey on behalf of the Hume Pipe Company (Australia), Limited, Christchurch, of the other part.

By the provisions of the agreement: 1. The earthenware pipe manufacturers agree not to manufacture any pipes or fittings over nine inches in diameter with the exception of field pipes as termed by the earthenware pipe manufacturers.

2. The Hume Pipe Company agrees not to manufacture any pipes or fittings of less diameter than nine inches for sewer or culvert purposes, excepting sewerage or water pressure pipes in competition with iron or steel pipes for a similar purpose, or, in those cases were reinforced concrete or iron-steel pipes are specified to carry out work where earthenware pipes cannot be used. Where such special pipes are required, the Hume Pipe Company shall advise the Earthenware Pipe Manufacturers before tendering.

3. It is agreed by the parties to the agreement that cable or telephone conduits shall be excluded from their revisions of this agreement.

4. The Earthenware Pipe Manufacturers and the Hume Pipe Company (Australia), Limited, agree to charge equal prices for nine-inch diameter pipes, viz., 2/6 per foot with discounts as enumerated in clause nine.

5. It is mutually agreed that the price of second quality nine-inch diameter pipes shall be 2/3 per foot.

6. The Earthenware Pipe Manufacturers agree to pay the Hume Pipe Company (Australia), Limited, a commission of 10 per cent on all sales of second quality nine-inch diameter earthenware pipes.

7. The Hume Pipe Company (Australia), Limited, agree to pay the Earthenware Pipe Manufacturers a commission of 10 per cent on all sales of second quality nine-inch diameter concrete pipes.

8. The Hume Pipe Company (Australia), Limited, to have the right to supply the Christchurch Drainage Board with all their requirements of nine-inch diameter and upwards pipes and fittings during the currency of this agreement, while the Earthenware Pipe Manufacturers hereby agree not to supply the Drainage Board with any of their requirements for nine-inch diameter pipes and over this size during this period.

After the agreement had been read the board decided to accept an offer of an Auckland firm, which has not been a party to the arrangement outlined, to supply pipes and fittings to the amount of £5000, delivery to commence in August and to be spread over twelve months.

"NO EXPLOITATION."

Star. 24/5/28.
TRADE AGREEMENTS ARE
ESSENTIAL TO BUSINESS.

OPINION OF PIPE MANUFACTURER.

Referring to an article which appeared in our columns on Monday last, we have received the following explanation from one of the Christchurch firms concerned.

Claiming that trade agreements are essential in business, and strongly denying that there has been any exploitation of the Christchurch Drainage Board, Mr. P. McSkimming, on behalf of the Homebush Pipe Company, which was one of the companies concerned in the discussion of a combination of Canterbury and Westland pipe companies and the Hume Pipe Company, Australia, has written a letter of explanation to Mr. H. J. Otley, chairman of the Christchurch Drainage Board.

The letter is as follows:—"My attention has been called to the Press report of the last meeting of the Drainage Board, which must at first glance create the impression that the pipe manufacturers of this city have been exploiting your board.

"The publication of a private agreement, surreptitiously obtained, must, I think, disturb the conscience of the person who disclosed same more than it does me, being a party to it.

"It is admitted the world over that trade agreements are essential to the conduct of business as it is to-day, and more particularly so in connection with your drainage contract supplies, which call for quantities far greater than any one pipe works of this city is able to manufacture. In fact, we, as well as Messrs. Murphy Bros. and J. Austin and Sons, have found it necessary considerably to increase our plant to cope with the demands of the present drainage board requirements.

"Drainage Board's Custom."

"It has always been the custom of your drainage board, going back over a long number of years, to deal not with any one particular works in Christchurch, but to make an agreement with the three works combined, to prices agreed upon.

"The publication of the discussion at your meeting will lead the people of this city to believe that the local works had instituted this agreement to exploit the board and increase the price on you. I wish to state, however, that no increase has taken place in the price of pipes or fittings; in fact, there has been a slight decrease in some of the materials since I purchased the Homebush Works from the Deans family, and the same position applies to Messrs. Murphy Bros., who purchased the Christchurch Brick Company, and since then have carried on their trade here at exactly the same prices which Mr. Horsley was selling at.

"Prices Not Increased."

"You will, therefore, see that the agreement with the Hume Pipe Company did not in any way increase the price of pipes to the Christchurch Drainage Board, but, if anything, reduced same.

"The letter to the board from the Napier Pipe Company, and published along with the discussion at your meeting, is certainly intended to create the impression that the price of pipes is too high in Christchurch, and urges that if they are given a share of the supplies that it would have the effect of a general break in rate.

(See next page)

"To prove that this offer is not one of a benevolent benefactor to the board, I wish to advise that the contract prices which the Napier Pipe Company, with headquarters in Auckland, charge in that city, are considerably higher than our present rates to you, and certainly much higher than the present offer which this Auckland firm has now made. This obviously proves that the present cut rate is given for the purpose of enabling this firm to get established in Christchurch.

To Prove Good Faith.

"To prove my bona fides in connection with the suggestion of exploitation, I wish to make this offer to your board. It is now fully three years since I purchased the Homebush Works, and I am prepared that you appoint an accredited auditor of this city to inspect the company's books, and have access to the last three balance-sheets, and if he is of opinion that the income earned is greater than what is reasonable on the amount of capital invested, I am willing to immediately drop my prices to what he considers a fair rate.

"Further than this, I feel sure that I can induce Mr. John Deans, the late owner of the works, to produce the previous five years' balance-sheets, when the company was operating on higher prices than it is to-day.

"As an additional proof of my sincerity, I am prepared to offer to the Christchurch Drainage Board the sale of the Homebush Works at the price of the exact cost to me, and will give immediate delivery.

"No Exploitation."

"The object of my writing this letter is to prove that there has been no exploitation by the local manufacturers, and that agreements made to prevent loss and distress in an industry can be carried out in an honourable way, and without injury to the public.

"As so much publicity has already been given to the statements made at your meeting, I feel compelled to hand a copy of this letter to the Press, and trust I will have your endorsement of this action.

"If you wish further to investigate any of the statements which I have made, I shall be very glad to meet your board and discuss the question, as should have been done in the first instance, considering that the Homebush Company has been suppliers to the Christchurch Drainage Board for the last 10 years."

"Yours faithfully,

"P. McSKIMMING.

"Homebush Pipe Company."

BUYING CHEAPER PIPES
SUN ————— *2/16/28*
DRAINAGE BOARD
ATTACKS AGREEMENT
CHRISTCHURCH CONTRACT

Press Association.

CHRISTCHURCH, Wednesday.

The cost of drainage pipes was again discussed by the Christchurch Drainage Board yesterday evening, as the result of letters from Mr. P. McSkimming, of the Homebush Pipe Company, Mr. W. Jeffrey, New Zealand manager for the Hume Pipe Company, and the Canterbury Manufacturers' Association.

Mr. H. G. Livingstone said that the publication of the Homebush Company's letter in the newspapers was evidently intended to lead the public to believe that the board was not justified in taking the action which it took at the last meeting, when it entered into a contract with an Auckland firm for the supply of £5,000 worth of pipes at a lower price than it had been paying in the last few years.

The letter was very plausible and very misleading. He had never at any stage said that exploitation was taking place. The main idea was that the board was not getting pipes at the price at which it should have been getting them, and the agreement which he had read at the last meeting was the cause of the trouble.

Mr. McSkimming had practically forced the Hume Pipe Company to sign the agreement, and that company was unable to make the smaller pipes. Mr. McSkimming had the monopoly of the supply of pipes between Christchurch and the Bluff and had locked the Hume Pipe Company out of Dunedin. The whole position was most unsatisfactory.

After further discussion it was decided to reply to the Manufacturers' Association saying that the board, after full consideration, had come to the conclusion that it was absolutely necessary to take the action it took at its previous meeting, but that in future the contracts for the supply of pipes would be let by tender, as had been done previously.

SUPPLY OF PIPES
SUN ————— *2/17/28*
AUCKLAND COMPANY WANTS
TO CANCEL CONTRACT

Press Association.

CHRISTCHURCH, Monday.

A letter from the Napier Concrete Company, Ltd., Auckland, asking for the cancellation of its contract for the supply of pipes to the Christchurch drainage board will be considered at a special meeting of the board to be held on Friday.

The company had made preparations for establishing a factory in Riccarton, but now wishes to be released from its contract.

DRAIN-PIPE CONTRACT
SUN ————— *2/17/28*
DISSOLVED BY REQUEST
AUCKLAND MANUFACTURER
BACKS OUT

Press Association.

CHRISTCHURCH, Friday.

The supply of drain pipes was again discussed by members of the Christchurch Drainage Board this evening. At a meeting of the board in May, a member produced a trade agreement of the local drain pipe makers, fixing the conditions of manufacture and prices to be charged. At the same meeting, an offer was received from the Napier Pipe Company, Auckland, to set up works at Christchurch and supply pipes and fittings at a price below those charged by the local companies, provided the Napier Pipe Company was given a contract for the supply of £5,000 worth of material.

At the meeting this evening a letter was received from the Napier Pipe Company asking to be relieved from the contract, and stating as one reason that considerable concern had been caused by the company's proposal to come to Christchurch. A letter was received also from the local manufacturers, submitting a reduced price list, and offering to take up the Napier Pipe Company's contract.

KEEPING AUCKLAND COMPANY OUT

Mr. H. G. Livingstone, a member of the board, said the board should hold the Napier Pipe Company to the contract. It was no secret that two Christchurch manufacturers went to Auckland for the purpose of making such an impression as would prevent the company from coming to Christchurch.

It had been said that £15,000 had been put up as a fund to keep the Auckland company out of Christchurch. He moved that the Napier Pipe Company be advised that the terms of the contract must be complied with.

The chairman, Mr. Otley, seconded the motion.

A deputation of local manufacturers was then received. One of the speakers said there had been no collusion between the local manufacturers and the Auckland company, but Mr. McSkimming, a Christchurch manufacturer, had informed the Auckland company that if the latter came to Christchurch he would start in Auckland. The Auckland company withdrew because it did not want a fight in its own town.

In reply to questions, the fact was elicited that two Christchurch companies, at a meeting, offered to put up £15,000 each to fight the Auckland company. One Christchurch firm, Murphy Brothers, had, however, stood out from this scheme.

After hearing the deputation, the board decided not to press for fulfilment of the Auckland company's contract. It agreed to the Christchurch makers' proposals, and expressed appreciation of their action in coming to the board, and making a frank explanation.

21st. May

28

The Purchasing Officer.

CONCRETE PIPES FOR STORM WATER DRAINAGE KINGS DRIVE.

The total length of 12" pipes required is 716 feet.
Messrs. Hume Pipe Co. have supplied 52' 6", balance
required from Mr. Schofield, 663' 6" less one sample pipe 3' 0"
=660' 6" also the following specials will be required:-

5 - Vee junctions 6" on 12"
1 - Tee 12" on 12"

A few 6" pipes will probably be required for
picking up the side drains, but these can be obtained locally.

ENGINEER TO THE BOARD.

Mr. W.E. Bush,
City Engineer,
Town Hall,
AUCKLAND.

9th. May 28

Dear Sir;

STORM WATER DRAINAGE KINGS DRIVE.

In reply to your letter dated 28th ultimo on the above subject, I propose installing the 12" storm water drain immediately and work will be commenced in the course of the next few days when the men have been released from other work.

Yours truly,

*See instruction to Gammell
12 19870 dated 12.5.28.*

ENGINEER TO THE BOARD.

2nd. May 28

The Superintendent.

CAMPBELLS POINT RECLAMATION - STORM WATER DRAINAGE
KINGS DRIVE.

When the Campbells Point Reclamation was filled no provision was made for the disposal of storm water drainage from Kings Drive and the temporary outlets from cesspits were blocked by filling.

In May last the City Engineer submitted a scheme of drainage estimated by him to cost approximately £2,000 which he desired the Board to install to carry off the storm water.

The matter has been discussed on a number of occasions since that date and the City Engineer has now agreed to a very much modified proposal involving the Board in an expenditure of approximately £500, only.

He now asks that the work on ~~the~~ the modified lines be put in hand, and as there can be no question of the Board's liability in the matter, I recommend that it be proceeded with.

*(See Estimates
by file 105)*

ENGINEER TO THE BOARD.



Town Hall
Auckland, N.Z.

IN YOUR REPLY PLEASE REFER
TO

R

April 28th, 1928.

AND ADDRESS ALL COMMUNICATIONS
CITY ENGINEER

The Engineer,
Auckland Harbour Board,
AUCKLAND.

Dear Sir,

STORMWATER DRAINAGE - KINGS DRIVE.

I shall be obliged if you will advise me when it is your intention to proceed with the laying of the 730 feet of 12 inch pipes and the connection thereto of the cesspit in Kings Drive as arranged between us last year.

Yours faithfully,

M. Inst. C.E.
City Engineer.

6th. June 27

The City Engineer,
Town Hall,
AUCKLAND.

Dear Sir;

STORM WATER DRAINAGE - KINGS DRIVE.

In reply to your letter dated 23rd. May and enclosing copy of your plan 6714 C-10, the works outlined in the plan are considerably in excess of what is necessary to remedy any blockage caused by the Boards reclamation works to date.

The drainage from the Railway Yard has been diverted by the Department, and there are only a few cesspits in the length of 1000 to 1100 feet of Kings Drive which have been blocked.

These can be connected up and carried to the storm water culvert at Campbells Point in very much smaller pipes than you suggest.

If you desire to put this sewer to serve other areas, which necessitate an increase in size of pipe, it would be unreasonable to expect the Board to pay the extra amount involved.

I suggest that a 12" pipe laid at a grade of say 1 in 300 on the Northern footpath of Kings Drive, to pick up the outfalls which have been blocked is all that is necessary and I will be glad to have your approval of this.

Yours truly,

ENGINEER TO THE BOARD.



*Town Hall
Auckland, N.Z.*

IN YOUR REPLY PLEASE REFER
TO

May 23rd, 1927.

R

AND ADDRESS ALL COMMUNICATIONS
CITY ENGINEER

The Engineer,
Auckland Harbour Board,
AUCKLAND.

Dear Sir,

In reference to my conversations with you as to stormwater drainage in King's Drive, rendered necessary by the reclamation work carried out by your Board, I forward herewith a plan which has been prepared in my office showing the suggested scheme of stormwater drainage, and I shall be glad if you can see your way to carry this, or some such similar scheme out, at the earliest opportunity.

Yours faithfully,

W. P. Rush

M. Inst. C. E.
City Engineer.



Date March 1927.

Estimate for Proposed Stormwater Sewer at Eastern Reclamation
 connecting street cesspits that were blocked by Eastern Reclamation

Description	Details	Quantity	Item	Rate	£	s.	d.
By telephone from City Engineer's Office 3.3.27.							
18" pipe sewer at grade 9 1 in 300		1058	lin ft	30/-	1587	-	-
4 manholes		4	each	14/-	56	-	-
10 cesspits		10	each	5/-	50	-	-
400 ft 9" cesspit connection		400	lin ft	15/-	300	-	-
					<u>£ 1993</u>	-	-

But. Board could take all storm water from cesspits
 in 12" dia pipe 750 ft long at grade 9 1 in 300
 Cesspits are already in, with 6 connections across roadway.

So cost to the Board would be

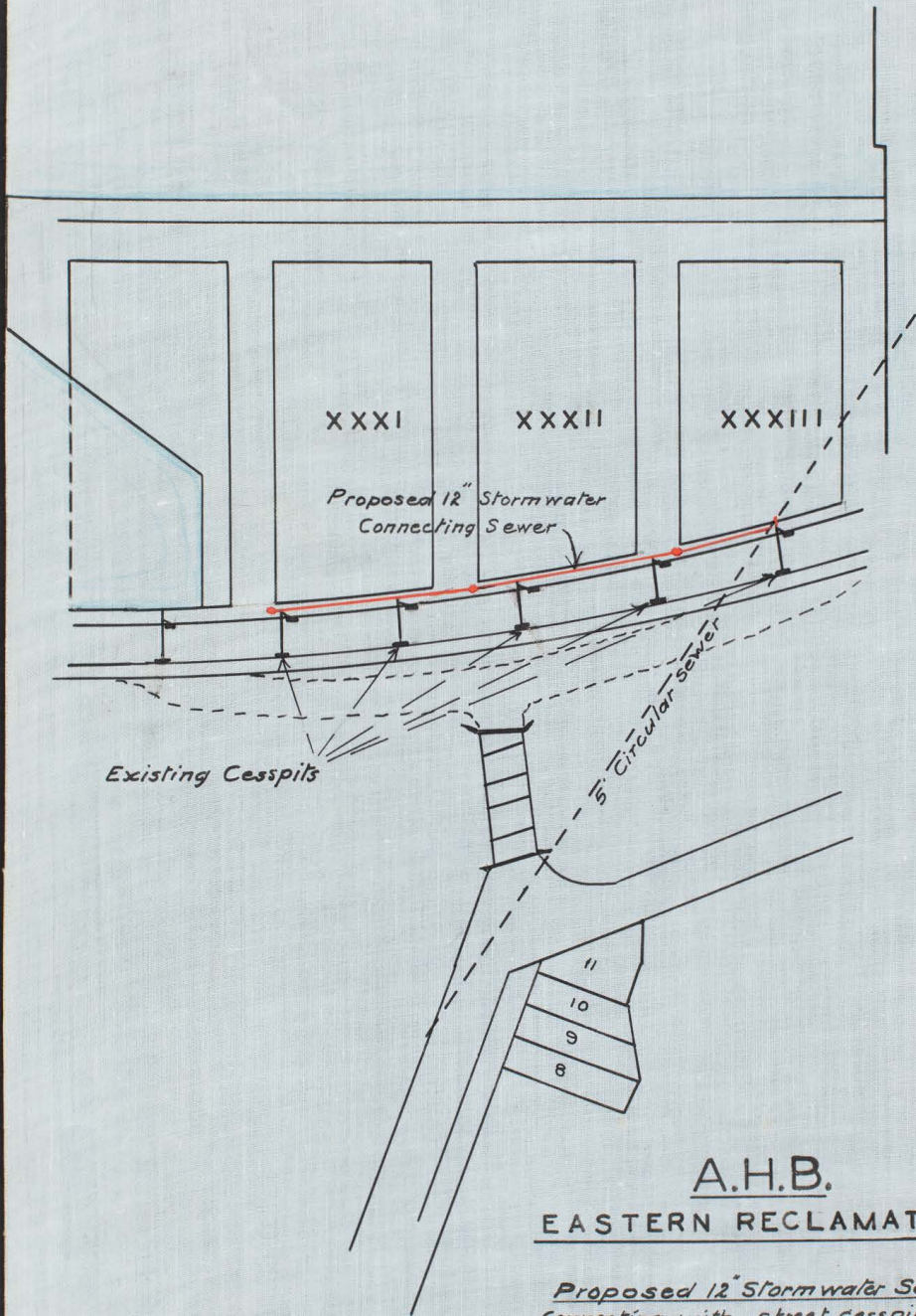
12" pipe sewer (A. Lewis estimate 10/- to 11/- per ft)	750	lin ft	10/6	394	-	-
3 manholes	3	each	14/-	42	-	-
5 connections from cesspits	5	each	3/-	15	-	-
				<u>£ 451</u>	-	-

10%

45

£ 496

Say £500.



A.H.B.
 EASTERN RECLAMATION

Proposed 12" Stormwater Sewer
Connecting with street cesspits

Scale 200' = 1"



*Town Hall
Auckland, N.Z.*

IN YOUR REPLY PLEASE REFER
TO

R

February 25th, 1927.

AND ADDRESS ALL COMMUNICATIONS
CITY ENGINEER

The Engineer,
Auckland Harbour Board,
AUCKLAND.

Dear Sir,

KING'S DRIVE.

I have to call your attention to the fact that your Board when carrying out the reclamations northward of King's Drive Extension, blocked the drains from several of the cesspits, and it will be necessary for your Board to make arrangements to provide suitable outlets for these drains so that in the future no trouble will arise. This you will probably be able to effect in connection with the carrying out of the stormwater drainage of the reclamation.

Yours faithfully,

M. E. Rush

M. Inst. C. E.
City Engineer.

1st. December

26

The City Engineer,
Town Hall,
AUCKLAND.

Dear Sir;

EASTERN RECLAMATION - DRAINAGE.

I have to thank you for your letter dated 18th. inst. enclosing plan of proposed 12" pipe sewer from St. Georges Bay Road to Kings Drive.

This will serve as authority for excavating and laying the sewer in the Board's street.

At a later date I will submit a scheme for reticulation of Reclamation Area for your approval.

Yours truly,

ENGINEER TO THE BOARD.



*Town Hall
Auckland, N.Z.*

IN YOUR REPLY PLEASE REFER
TO

R

November 18th, 1926.

AND ADDRESS ALL COMMUNICATIONS
CITY ENGINEER

The Engineer,
Auckland Harbour Board,
Harbour Board Office,
Quay Street,
AUCKLAND.

Dear Sir,

I beg to forward you herewith plan showing line of proposed new sewer being put along the Strand, and which it was decided at the recent conference between His Worship The Mayor, and the Chairman of the Works Committee of the City Council, the Chairman of the Railway Board and the Acting Chief Engineer, and the Chairman of your Board, that the City Council should construct without prejudice to the obligations of any of the parties concerned and undertake to construct this sewer to the southern side of King's Drive. I am proposing to put this work in hand immediately, so as to delay the operations of the Railway as little as possible.

Yours faithfully,

City Eng Plan 6614

*Plan in
Drawing Office
M/6*

M. J. Rush

M.Inst.C.E.
City Engineer.



Area of declamation
served by proposed
connection to pumping station
St George Bay Rd

$$\begin{array}{r} ? \quad 16.0.33 \\ ? \quad 8.3.28 \\ \hline 23.0.31 \quad ? \end{array}$$

of which 16-2-31 is allotments?
16.3.25 CR

2. Total length of a foot 5720
6 Storm water sewers
to be laid by Bd.

3. Length of C.C. section across Rly² foot
only say 650' ? ✓

4. Extra length of C.C. sewer to
connect to pumping station
say 550' ? ✓

A.C.C. " " " " " "
" Storm " " " "
A.H.R./pub. Works Bureau = 5720
6670
400

11th September 1925

The Superintendent

DRAINAGE, RECLAMATION CAMPBELLS POINT

At the conference held at the Town Hall yesterday, the 10th instant, His Worship the Mayor, Chairman of the Works Committee, and the Town Clerk stated that they did not realise the extent of the reclamation, for the drainage of which the Board is asking the Council to make provision.

The total area of the reclamation, which must be drained back to the pumping station at St. Georges Bay Road, is 25 acres, and is shewn coloured red on the attached plan.

The area would be roaded and sewered by the Board at its own expense, and involves the construction by the Board of nearly 2½ miles of storm and foul water sewer.

The City Council is merely asked to make necessary provision for conveying the sewage from this area to the pumping station, as has been done in the case of all other reclamations in the past.

The length of sewer passing through the Railway Yard is approximately 650 feet only.

Will you please forward this plan and information to the Town Clerk, as promised by me yesterday.

ENGINEER TO THE BOARD

771
3rd July 1925

The Superintendent

DRAINAGE, CAMPBELLS PT. RECLAMATION

When the area now being reclaimed and the further area opposite the boatsheds come to be subdivided in the future, the question of sewer connection with the Auckland main drainage system will involve the laying of sewers across the new railway yard, to join up with the Drainage Board's system at the only convenient point near the foot of St. Georges Bay Road.

A plan has been prepared for this work, and the general layout approved by the City Engineer and by the Drainage Board, and it is desirable that the sewer crossing the new railway yard should be laid before the Railway Departments permanent work is laid down.

As this is off the Board's property, the work could not be undertaken by or at the expense of the Board, and I recommend that the matter be placed before the City Council with a view to its making the necessary provision for the future.

ENGINEER TO THE BOARD

The Auckland & Suburban Drainage Board.

TELEPHONE No. 45-925.

ADDRESS CORRESPONDENCE
P.O. BOX 208.

Cleave's Buildings (THIRD FLOOR),

High Street, Auckland,
N.Z.

June 29th.1925.

D. Holderness, Esq.,
Engineer,
Auckland Harbour Board,
Quay Street, AUCKLAND.



Sir,

re Drainage, Eastern Foreshore Reclamation.

I have the honour to inform you that your letter dated May 20th. last, and accompanying drawing, with reference to proposed reticulation sewers for reclaimed areas west of Campbell's Point, were duly submitted to the Drainage Board at its last ordinary quarterly meeting.

In reply I have to inform you that permission was -- granted for the connecting sewer to be proceeded with as suggested in your letter, subject to the provisions of the Drainage Board's By-laws and on the understanding that the Harbour Board will comply with all requirements of the Auckland City Council in connection with the proposal.

I have the honour to be,

Sir,

Your obedient servant,

A. J. Walker

I.W..

ENGINEER AND SECRETARY TO THE BOARD.

41-33 9A

20th May 1925

Mr H. Watkins,
Engineer,
Auckland & Suburban Drainage Board,
Cleaves Building, HIGH STREET.

Dear Sir,

EASTERN FORESHORE RECLAMATION DRAINAGE

I enclose herewith copy of our plan B739c indicating reclamation areas west of Campbells Point which in the course of a few years are likely to require connecting to your drainage system at the foot of St. Georges Bay Road.

The City Engineer has suggested the desirability of the connection across the railway yard being made at an early date, and I will be much obliged if you will approve of the general layout suggested.

The actual subdivision is merely tentative, and the sizes and grades of sewers are those suggested by the City Engineer, and they would not be likely to be materially altered by any slight modification of the subdivision which may be considered necessary as the work proceeds.

Yours truly,

ACTING ENGINEER TO THE BOARD

41-339A

8th May 1925

Mr W.F. Rush,
City Engineer,
Town Hall, AUCKLAND.

Dear Sir,

EASTERN FORESHORE RECLAMATION DRAINAGE

I have to thank you for yours of the 3th instant, enclosing plan shewing your suggestions for drainage of reclamation areas west of Campbells Point.

It is not likely that the reclamation now in progress will be roaded for two or three years, and of course the area not yet started will be correspondingly later.

The plan was submitted for your consideration, as a result of your letter of the 28th March, in which you suggested the desirability of making early arrangements for the connection across the railway yard, and the subdivision suggested is merely tentative.

As suggested by you, I am communicating with the Engineer to the Auckland & Suburban Drainage Board regarding his attitude towards the proposal, and will communicate with you later when I hear from him.

Yours truly,

ACTING ENGINEER TO THE BOARD



W. E. BUSH, M. INST. C.E.
CITY ENGINEER
IN YOUR REPLY PLEASE REFER
TO

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AND ADDRESS ALL COMMUNICATIONS
CITY ENGINEER

*City Engineer's Office,
Town Hall,
Auckland, N.Z.*

6th May, 1925.



The Acting Engineer,
Auckland Harbour Board,
AUCKLAND.

Dear Sir,

In reply to yours of the 16th ultimo, I beg to forward you herewith duplicate of the plan you submitted to me, shewing the suggestions for the drainage of the proposed reclamations now being carried out. In this connection it should be borne in mind that it would be advisable for you to submit plans of the reclamations and your proposed subdivisions to the City Council for its approval, as although in some cases the area is still outside the City boundary, the roads will eventually have to be taken over by the City Council, and they might have suggestions to make which your Board might find desirable to adopt.

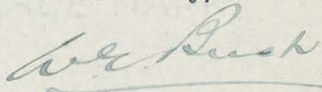
In connection with the drainage work itself, you will fully realise the necessity that will exist for the work being carried out on pile foundation in every case, as the reclamation is so recent. This may not necessarily apply to the portion to be laid across the railway, although on account of the many tracks that will be laid there, the quality of the work cannot be too good, and, therefore, pile foundations might, in that case also, be desirable.

In connection with these suggestions I also desire

to advise you that the Engineer of the Auckland and Suburban Drainage Board has not been consulted, and it might be advisable for you to see him with your proposals, as it affects the Board's pumping station, and the drainage system would ultimately have to be approved by him before it is allowed to be connected to the station.

Not directly connected with the drainage of this area, but affecting you and your Board considerably, is an application I have received from the District Engineer of Railways for permission to connect latrines to the existing storm water system discharging beyond the reclamation into Judges Bay, and I am writing to the District Engineer asking him to confer with you thereupon.

REGISTERED
Yours faithfully,



M.Inst. C.E.
City Engineer.

18th April 1925

The City Engineer,
Town Hall,
AUCKLAND.

Dear Sir,

EASTERN FORESHORE RECLAMATION DRAINAGE

In reply to your letter of the 28th March, I enclose herewith, in duplicate, copy of our plan B739c, indicating:-

- (1) Completed reclamation, for the drainage of which provision has already been made.
- (2) Reclamation immediately west of Campbell's Point, now in process of filling.
- (3) Intermediate area to be reclaimed at an early date, thus completing the programme of reclamation in this vicinity.

I will be glad if you will look into the matter of the drainage of the area now being reclaimed, and the future reclamation, and return one copy of the plan with your suggestions for storm and foul water drainage marked thereon, including your suggestion for carrying the foul water drains across the railway.

The sewerage of the completed reclamation, which has not yet been roaded, is laid out to connect up on similar lines to the draining of Allenby & Plumer Streets with the existing and proposed sewers in Kings Drive, shewn on your plan 3374 C/8.

Yours truly,

ACTING ENGINEER TO THE BOARD



*City Engineer's Office,
Town Hall,
Auckland, N.Z.*

28th March, 1925.

W. E. BUSH, M. INST. C.E.
CITY ENGINEER
IN YOUR REPLY PLEASE REFER
TO

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AND ADDRESS ALL COMMUNICATIONS
CITY ENGINEER

The Acting Engineer,
Auckland Harbour Board,
AUCKLAND.

Eastern Freshwater Lake Drainage

Dear Sir,

In connection with the reclamation made by your Board immediately West of Campbell's Point, it will be desirable that you should make early arrangements for the connection of the drainage from such reclamation with the Council's drainage system, and as the nearest point of the Council's system is at the corner of Kings Drive and St. Georges Bay Road, to which your Board can conveniently connect, and in any case a crossing of the Railway lines will be inevitable, the earlier a decision is come to and work put in hand the less costly would it be for your Board.

Yours faithfully,

W. E. Bush

M.Inst. C.E.
City Engineer.

