

PHONE, MAIN 582

SEWER PIPE
IRRIGATION SYSTEMS
PLAIN AND REINFORCED
CONCRETE PIPE



P. O. BOX 36, STATION B
2810 N STREET
SAN DIEGO, CALIFORNIA

R. F. BLANKENBURG
GENERAL MANAGER

Dec. 17, 1919.

San Dieguito Mutual Water Co.,
924 8th St.,
San Diego, Calif.

Gentlemen:

Attention Mr. Thos. H. King.

1.64

We herewith submit to you our price of \$1.72 per foot for 18" reinforced concrete pipe to be used in your proposed water line between Torrey Pines and Biological grades. This pipe will be guaranteed for a 60 foot head against breakage and seepage. For the above price we will furnish all labor and material, drayage and transportation necessary for the complete installation of said pipe line except the digging and final filling of the ditch. We will cover the pipe as the same is laid sufficiently to protect the bands from checking.

We also submit to you an addition^o price of 19 cents per foot for digging and filling of ditch.

Should we be favored with an order from you for this pipe line and should you decided to do your own digging, we would expect you to throw all dirt on one side of ditch so as to leave the line clear for distribution of pipe.

Thanking you for past favors, we are,

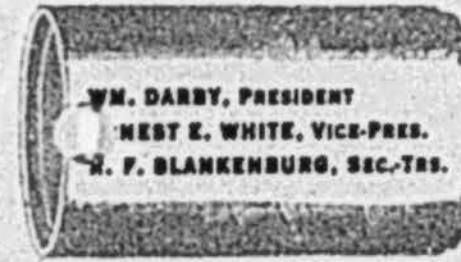
Very truly yours,

San Diego Glazed Cement Pipe Co.,
by *R. F. Blankenburg*
General Manager.

RFB:FBT

PHONE, MAIN 582

SEWER PIPE
IRRIGATION SYSTEMS
PLAIN AND REINFORCED
CONCRETE PIPE



P. O. BOX 36, STATION B
2810 N STREET
SAN DIEGO, CALIFORNIA

R. F. BLANKENBURG
GENERAL MANAGER

Dec. 24, 1919.

San Dieguito Mutual Water Co.,
924 8th St.,
San Diego, Calif.

Attention Mr. Thos. H. King.

Gentlemen:

Since submitting to you our prices of Dec. 17th, we have been able to secure better prices on delivery of pipe for your proposed water line between the Torrey Pines and Biological grades. We therefore submit to you a new price of \$1.64 per foot on 18" reinforced concrete pipe. This pipe is guaranteed for 60 foot head against breakage and seepage. For the above price we will furnish all labor and material, drayage and transportation necessary for the complete installation of said pipe line except the digging and final filling of the ditch. We will cover the pipe as the same is laid sufficiently to protect the bands from checking.

This pipe will be made of one part standard Portland cement, two and one half parts Otag washed sand and one part washed pea gravel and will be reinforced with 1/4 inch round steel spiral three inches apart with three longitudinal bars. All pipe will be made in steel forms and washed with a coating of neat cement.

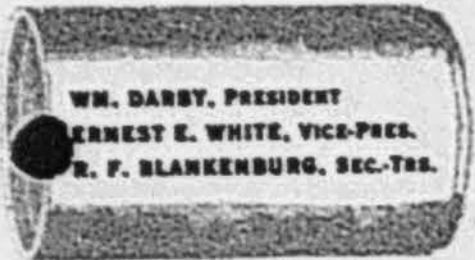
We also submit to you a price of 51 cents per cubic yard for digging and filling ditch in all soil that can be excavated by pick and shovel, and also a price of 85 cents per cubic yard for all soil that requires the use of powder.

Trusting that these prices are satisfactory to you and that we may be favored with an order from you, we are,

Yours truly,

San Diego Glazed Cement Pipe Co.,
by *R. F. Blankenburg*
General Manager

RFB:FBT



PHONE, MAIN 582

SEWER PIPE
IRRIGATION SYSTEMS
PLAIN AND REINFORCED
CONCRETE PIPE



P. O. Box 36, STATION B
2810 N STREET
SAN DIEGO, CALIFORNIA

R. F. BLANKENBURG
GENERAL MANAGER

Jan. 30, 1920.

Mr. Thos. H. King,
City.

Dear Sir:

After checking over my figures on the proposed three million gallon reservoir of which we spoke this morning I find that the actual cost of this reservoir without excavating or building of the roof but including all lumber for forms and all labor and material necessary for completion of said reservoir will be \$26,500.00 allowing a 10% profit would bring this cost to approximately \$29,000.00, and if you so care, you may consider this a bid from us.

If convenient to you, I would be pleased to take you Monday and show you some of the reservoirs we have built recently.

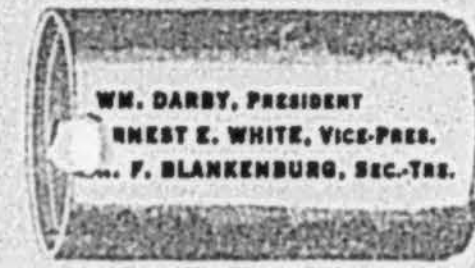
Yours very truly,

San Diego Glazed Cement Pipe Co.,
by *R. F. Blankenburg*
General Manager.

150,000 - total
60 Di am x 7 ft = 105000
Jan 1st 1916
29000
3843
32843
1908
34751
addit Steel
Bed on
ren
53 Ton
Hydrus lime
2000
1058600
529
53
36
1908

PHONE, MAIN 582

SEWER PIPE
IRRIGATION SYSTEMS
PLAIN AND REINFORCED
CONCRETE PIPE



P. O. Box 36, STATION B
2810 N STREET
SAN DIEGO, CALIFORNIA

R. F. BLANKENBURG
GENERAL MANAGER

March 2, 1920.

Mr. W. H. Judy, Manager,
Department of Operations,
City of San Diego, California.

Dear Sir:

We herewith submit to you our bid of THIRTY TWO THOUSAND EIGHT HUNDRED FORTY THREE DOLLARS (\$32,843.00) for the construction of the reinforced concrete reservoir as per your drawing No. 929-L and in accordance with specifications attached thereto. This bid includes the furnishing of all labor and material necessary for the completion of said reservoir including the furnishing of form lumber and placing of all drains and fittings (drains and fittings to be furnished by you).

This bid does not include any grading or backfilling or any additional footings in fills. We submit to you a price of SIXTEEN AND 50/100 DOLLARS (\$16.50) per cubic yard for concrete placed in additional footings not shown on plans but mentioned in specifications.

We also submit to you a bid of THIRTY SIX DOLLARS (\$36.00) per ton for the furnishing and mixing with concrete for all hydrated lime as requested by the City Engineer but not shown in plans or specifications. This will amount to approximately nineteen ton, or \$684.00.

Trusting that these bids are according to your wishes and that we may be favored with an order from you, we are,

Very truly yours,

San Diego Glazed Cement Pipe Co.,
by *R. F. Blankenburg*
General Manager.

RFB:FBT

This is the only cont for the pipe - Another cont for the Reservoir

C O N T R A C T

THIS AGREEMENT, made and entered into at the City of San Diego, County of San Diego, State of California, this 16th day of March, A. D. 1920, by and Between Fletcher & Henshaw, a co-partnership in the County of San Diego, State of California, the party of the first part, hereinafter sometime designated as the Owners, and the SAN DIEGO GLAZED CEMENT PIPE COMPANY, a corporation organized and existing under and by virtue of the laws of the State of California, party of the second part, and hereinafter sometimes designated as the Contractors, WITNESSETH:

That for and in consideration of the covenants and agreements hereinafter contained on the part of said Owners, and the sum of money hereinafter designated to be paid to said Contractors by said Owners, in manner and form as hereinafter provided, said Contractors hereby covenant and agree to and with said Owners to furnish all labor, tools, appliances, equipment, plant and transportation, and any and all other expenses necessary or incidental to the performance of certain work hereinafter specified, and to manufacture the concrete pipe and install a concrete pipe line eighteen (18) inches in diameter between Torrey Pines and Biological grades approximately fifteen thousand five hundred fifty-six (15,556) feet long and to dig and fill the ditch for the aforesaid pipe line, all as more particularly shown and in detail set forth in the specifications, a true copy of which is attached hereto and incorporated herein and by reference thereto made a part of this contract as fully as if written out and incorporated into this paragraph of this contract.

Said Contractors hereby agree that they will be bound by each and every part of said specifications, and do and cause to be done all of said work and improvement as specified in said

specifications, as the same may be interpreted by the Engineer in charge.

Said Contractors agree to do and perform all of the said work of excavating, manufacturing the concrete pipe, installing the pipe line and backfilling, and to furnish all labor, materials and equipment necessary or incidental thereto, as shown in said specifications, at and for the following prices:

Excavating, where only pick & shovel is necessary,
at 41 cents per cubic yard;
Excavating, where the use of powder is necessary,
at 75 cents per cubic yard;
Backfilling at 10 cents per cubic yard;
18 inch reinforced concrete pipe, made and laid,
at \$1.64 per lineal foot.

Said Contractors agree to commence said work within not to exceed ten (10) days after signing of this contract, and to prosecute the same diligently and with sufficient force of men and equipment so that all of the work provided for in this contract shall be completed within one hundred twenty (120) days after the signing of this contract.

Said Owners, in consideration of the faithful performance by said Contractors of each, every and all of the agreements and covenants on the part of the Contractors undertaken by them to be performed, and the acceptance of said work and construction by said Owners, will pay said Contractors the contract price as in this contract hereinabove in detail set forth, said payments to be made as follows:

On or before the tenth day of each month during the progress of the work specified in this contract the Owners agree to pay to the Contractors at the rate of One Dollar (\$1.00) per lineal foot for all pipe made by the Contractors during the preceding month; and the Owners further agree to pay to the Contractors the full amount of the Excavation and Backfilling; and the Owners further agree to pay to the Contractors ninety per cent (90%) of

the amount due for all pipe laid during the preceding month; and ten per cent (10%) shall remain unpaid until the expiration of 30 days from and after the completion of said contract and the acceptance of said work, when on proof to the Owners that the contract has been fully performed and all charges for labor and material have been paid, the balance of ten per cent (10%) shall be paid to the Contractors.

Said Contractors further agree to save said Owners harmless from any and all claims of laborers, workmen and mechanics for labor done, and from all claims of materialmen for materials or supplies furnished for the performance of said work, and to hold said Owners harmless from all actions for damages arising out of the performance of the work to be done under this contract, and to defend at its own cost any and all such actions, and to secure ^{other} indemnity insurance, or take such action as shall indemnify and hold harmless the said Owners from any and all claim and liability by reason of the Workmens' Compensation, Insurance and Safety Act of the State of California, now in force.

IN WITNESS WHEREOF, this contract is executed in duplicate by and between FLETCHER & HENSHAW and the SAN DIEGO GLAZED CEMENT PIPE COMPANY and approved by the City Manager of Operations of the City of San Diego, State of California, the day and year first
O.K.
R.F. hereinbefore written.

Blasting shall not be resorted to except by consent of Engineer in charge.

O.K. S.D.G.C.P.CO.
R.F.B.

FLETCHER & HENSHAW

BY Ed Fletcher

S
SAN DIEGO GLAZED CEMENT PIPE COMPANY

by R. F. Blankenburg

Gen Mgr.

I hereby approve the foregoing contract, this 3rd day of March, A. D. 1920.

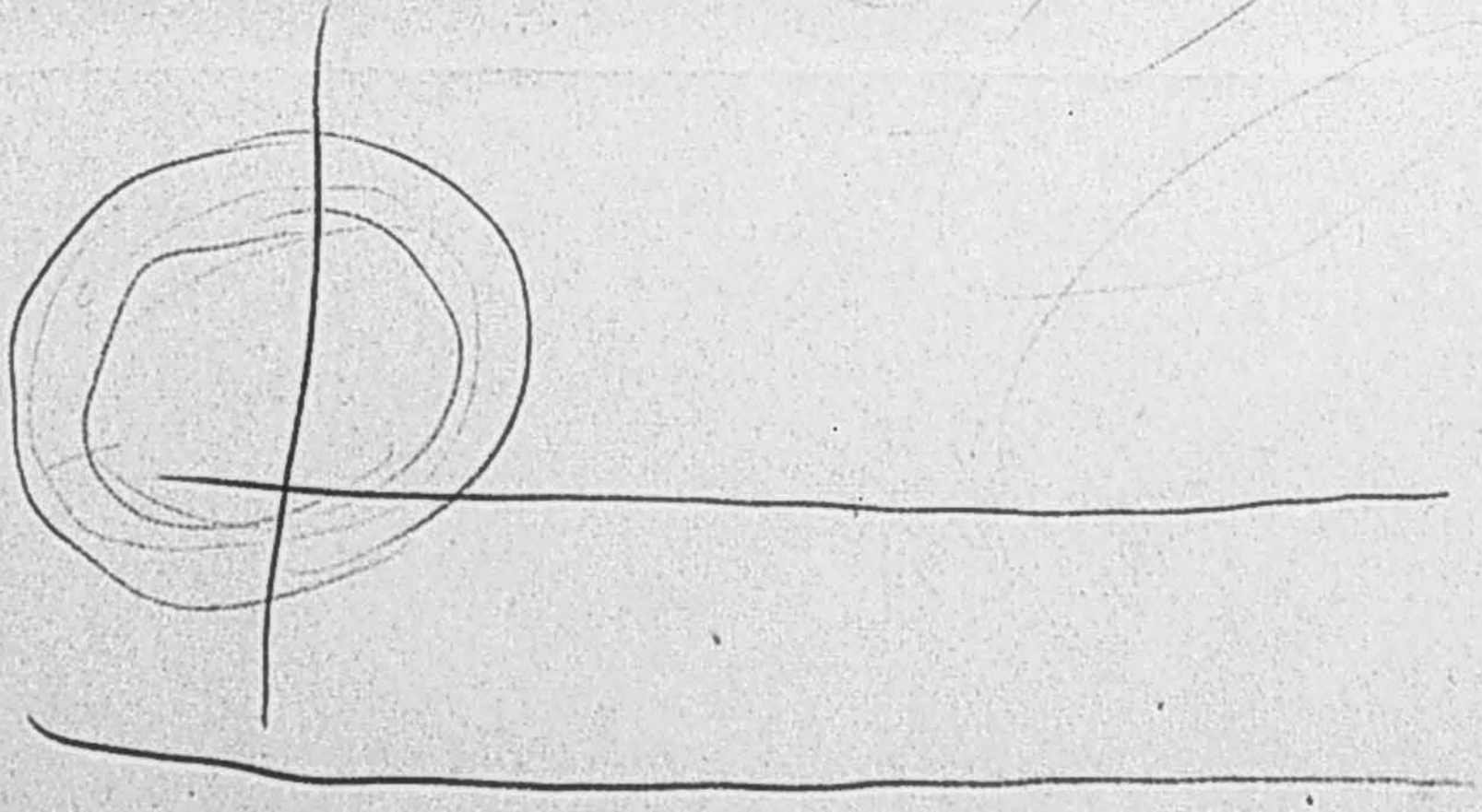
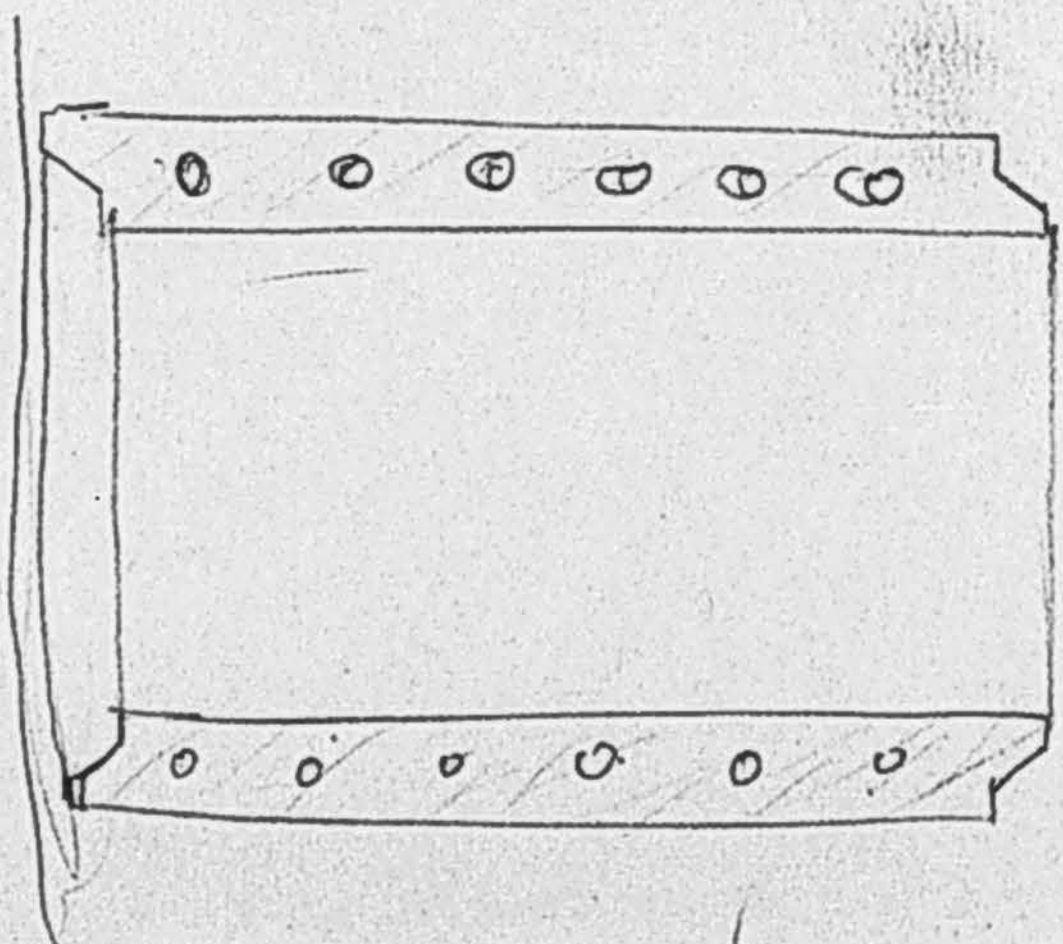
Wilbur H. Judy

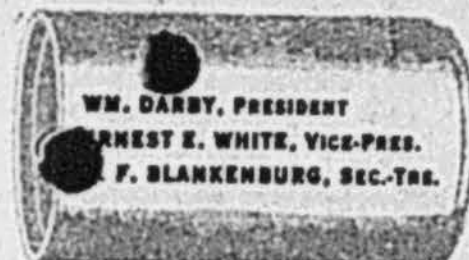
City Manager of Operations,
City of San Diego, County of
San Diego, State of California.

(copy)

207
164
23

15350
3350





PHONE, MAIN 562

9441
02
188.82

SEWER PIPE
IRRIGATION SYSTEMS
PLAIN AND REINFORCED
CONCRETE PIPE

SAN DIEGO GLAZED CEMENT PIPE COMPANY

P. O. BOX 36, STATION B
2810 N STREET
SAN DIEGO, CALIFORNIA

R. F. BLANKENBURG
GENERAL MANAGER

March 26, 1920.

Mr. W. H. Judy, Manager,
Department of Operations,
City of San Diego, Calif.

Dear Sir:

We herewith submit to you our bid of SEVENTEEN THOUSAND TWO HUNDRED FIFTY and no/100 DOLLARS (\$17,250.00) for the construction of one concrete reservoir as per your plans No. 948-L. For the above price we will furnish the following material and necessary labor for completion of said reservoir:

MATERIAL

All cement, sand, rock or gravel, reinforcing mesh, 3" drain tile, 8" cement pipe for drain, iron valve for clean out, iron gate for end of discharge line, necessary handles to operate same and material for building platforms to reach same, 24" concrete pipe for intake of spillway, 18" concrete pipe for drain line, one inch square twisted steel dowell pins, all posts necessary for fence, one inch mesh wire for bottom part of fence, eight strands of barbed wire (standard 1400 ft per hundred pounds) for upper part of fence, bolts for fastening cleats to fence posts.

This bid does not include any material or labor for the construction of aerating tables.

LABOR

All labor necessary for digging and grading ditches for all drain tile and drain pipe, placing of reinforcing mesh and all concrete, the setting of iron valve and gate, building of platforms necessary to operate gate and valve and the building of fence around reservoir.

This bid does not include any labor in connection with any wood pipe or aerating tables.

Respectfully submitted,

San Diego Glazed Cement Pipe Co.,
by *R. F. Blankenburg*
General Manager.

RFB:FBT

6324
17250
Total -> 23574

95 cu yds total
15⁰⁰ labor #

475	
95	
<hr/>	
1425	
142 bbl cement @ 3 ⁰⁰	426
64 cu yds sand @ 3 ⁰⁰	192
64 " " rock @ 3 ⁰⁰	192
Grating	30

2265

settings gates included
in labor

Blankenburg Proposition

130 bbl cement	390
Sand 137 yds 3	411
<hr/>	
	800
	1500.
<hr/>	
	2300.

Estimate on
Reservoir

Martin Iron Works

GEO. C. MARTIN, PRESIDENT
R. COFFEEN, VICE PRES & SALES MGR.

1222 EAST 28 STREET

TELEPHONE SOUTH 556

BOX P. ARCADE STATION
LOS ANGELES, CAL.

IRRIGATION APPLIANCES
SHEET METAL WORK
RT VALVES & GATES
CEMENT MIXERS
CEMENT TOOLS & MACHINERY
CEMENT PIPE MACHINES
AUTO & TRACTOR PISTONS
PISTON RING STOCK

April 19, 1920

Ed. Fletcher Company,
Fletcher Building,
920 Eighth Street,
San Diego, Cal.

Gentlemen:

Your favor of the 15th has been forwarded to our agents, the San Diego Glazed Cement Pipe Company of your city and we have asked them to call on you at once giving you information you desire relative to the prices and delivery of #24 Type W gates. Assuring you this matter will have attention through the above named agency, we are

Very truly yours,

MARTIN IRON WORKS

R. Coffeen
Sales Manager

RC/F

July 12th, 1920

San Diego Glazed Cement Pipe Co.
4th & E Sts.,
San Diego, California.

Gentlemen:-

Your Mr. Blankenberg gave me his personal word five weeks ago that he would commence to lay the pipe and construct the reservoir the following Wednesday. I made investigation yesterday and found that less than 1000 feet of pipe have been laid and that the work is progressing entirely too slow.

We are losing the sale of \$200. worth of water a day on account of non-completion of the job and we shall hold you responsible for any damage that accrues on account of your failure to carry out your contract.

Yours very truly,

HENSHAW & FLETCHER

By

EF/bm
cc jt

July 26th, 1920

San Diego Glazed Cement Pipe Co.
4th & E Sts.
San Diego, California.

Gentlemen:-

Attention Mr. Blankenburg:

Six weeks ago you pledged me that the following Wednesday you would commence laying your cement pipe, and would lay at least 500 feet a day on the La Jolla-Del Mar pipe line. The fact is, you have not laid over 1000 or 1500 feet of pipe. You had a man out there dump that pipe off a wagon, and he cracked 40% of the pipe that was hauled out.

There are nearly two miles of pipe yet that you have not on the job, and our contract with the City compels us to have the entire work completed on the 27th day of August, and your contract calls for the completion of the job on the 27th day of August.

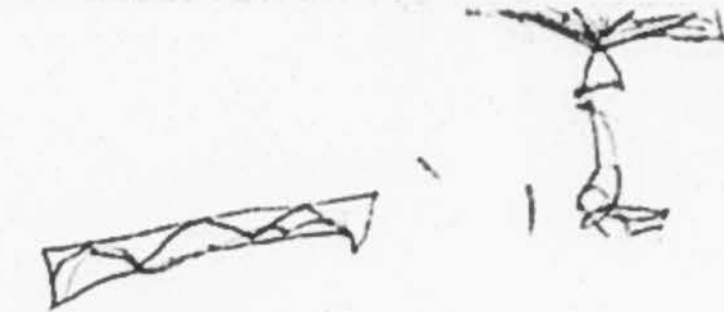
We are losing the sale of \$200. worth of water a day, and we shall certainly hold you responsible for damages for non-completion of contract.

Yours very truly,

HENSHAW & FLETCHER

By

EE/bm
cc JT

 Aug 8-12-20

SD of CPC 1' x
4 1/2 x 20 1/2

1 1/2 - 300 4000 2 1/2 6
1 1/2 27 -

10,000 ft of water
4300
it. 1 - 3800

Cement 93800 - 6511
before 9 Mgt have to have more
500 or 600 ft more.

By My Rhodes 05-7-20

15.536^c 2014 4 2
 75,350 6 20 on
 5350
 Have 2.400 already 7.66
 #2 | 27 6 15 on 5350
 72400 P.S.'s
 turned in
 'L' 'V'
 P.12

found bucket of water in wheel
 barrow on way to form
 Concrete sagged away from bars due
 to failure to properly tamp & too
 much water.

Extra tamping should have
 been done abt 20 min. after
 pouring when excess had gone out
 Unreinforced pipe broke at 60"
 80d .. " " " 76"

Re-in (highest test) broke at 27"
 Carefully tested only closed 24 to 27"
 Henschaw owns ambulatory unit in P.C.
 Alchin has stock

1. 7 10. 5 2 1 - 5 ^{frequency}
2. 7 10. 5 2 1 - 5
3. 1 5 2 1 - 5
4. ~~1 5 2 1 - 5~~
5. ~~1 5 2 1 - 5~~

August
12
1920

San Diego Glazed Cement Pipe Co.,
San Diego, California.

Gentlemen:

Under the contract in writing between the undersigned and your company dated March 16th, 1920, you agreed to manufacture the concrete pipe for and install a concrete pipe line approximately 15,556 feet in length, between Torrey Pines and biological grades, and to install the same within one hundred twenty days from the date of the contract. By this contract this pipe was to comply in all respects and to meet the tests required by the specifications prepared by the City of San Diego, and thereto attached.

Altho the time has long passed for the full completion of your contract, but one-third of the pipe has been installed, and tests made show that much of the pipe which has been manufactured has not come anywhere near withstanding the pressure required by the specifications. It seems that a large part of the pipe, which is manufactured and not yet installed, is very inferior in quality and that the City of San Diego will not permit its use on the work, and it is quite likely that much of the pipe which has been installed will have to be dug up and replaced.

On account of your failure to live up to the requirements of your contract the progress of our work has been and will be greatly delayed, and we have been compelled to make other arrangements to procure the pipe needed to complete the work.

We give you this information in order that you may know that a large part of the pipe which you have manufactured cannot be used, and that we cannot wait for you to manufacture any more to take its place, but have made other arrangements for immediate delivery, and in order further that you may understand that while we sincerely regret that your pipe has proven to be of such an inferior quality that it cannot be used, the fault is yours and not ours and we shall expect you to compensate us at the proper time for all of the damage which we have sustained on account of your failure to comply with the terms of your contract.

Very truly yours,

HENSHAW & FLETCHER

By _____

San Diego, Calif.,
August 16, 1920

Messrs. Henshaw & Fletcher,
San Diego, California.

Gentlemen:

In reference to our contract of March 16, 1920, for the construction of a portion of the Del Mar-La Jolla pipe line, will say that we admit that the pipe that has been built is faulty and does not stand the test. We are in hopes that about one mile of it will be accepted by the City, but you are authorized to replace any portion of the pipe line with wood pipe, in order to live up to the terms of your contract with the city and save unnecessary delay.

Our understanding is that you will have to put in 10000 or 11000 feet of wood pipe immediately, owing to our failure to live up to our contract.

In consideration of your paying the estimate now due, approximately \$4,000, we guarantee to protect you against any loss, and to refund you any moneys that may be coming on written demand, in case we have been overpaid.

We further agree to complete the reservoir, and the concrete pipe line up to a 40 ft. head, approximately one mile, within two weeks from date, without asking for additional compensation on your estimates.

In addition we further agree to have said pipe line accepted by the City of San Diego before asking for any additional compensation, and in case said pipe line is not accepted by the City within sixty days from date of completion, then we give you the right to install a pipe line in its place, and we guarantee to protect you from any loss.

Yours very truly,

J. D. Glazed Cement Pipe Co.

September 27, 1920.

San Diego Glazed Cement Pipe Co.
San Diego.

Gentlemen:

The following is a copy of letter I have received from F. A. Rhodes, Manager of Operations, City of San Diego:

"Dear Sir:

With regard to water with which to test the cement pipe line of the San Diego Glazed Cement pipe Co, I wish to say that we are not in a position to pump this into the reservoir, for we find that the pipe line leaks faster than we can pump with our equipment.

Very truly yours,

F. A. Rhodes."

It would be a crime for us to get our pipe line completed and pumping plant installed and then have to throw out an entire mile or more of cement pipe line. It is certainly up to you people to make good.

Yours very truly,

ER/hls

CONCRETE PIPE BELL END - MACHINE MADE				CONCRETE PIPE HAND MADE - SINGLE STRENGTH				CONCRETE PIPE HAND MADE - DOUBLE STRENGTH				
												SEWER LIST
A	B	C	Weight per ft.	Price per ft.	A	B	Weight per ft.	Price per ft.	A	B	weight per ft.	Price per ft.
4			15	.20	4	1 1/8	15	—	8	2 3/8	75	—
6	7/8	3/8	20	.30	6	1 1/4	23	—	10	2 1/2	95	—
8	1	3/8	32	.45	8	1 1/4	32	—	12	2 5/8	116	—
10	1 1/8	1/2	44	.60	10	1 3/8	43	—	14	2 5/8	128	—
12	1 1/4	1/2	56	.75	12	1 1/2	63	—	16	2 3/4	148	—
14	1 1/2	5/8	76	1.00	14	1 5/8	70	—	18	2 7/8	182	—
16	1 3/4	5/8	104	1.25	16	1 3/4	85	—	24	4	325	—
18	1 7/8	3/4	120	1.50	18	1 3/4	105	—	30	5	500	—
20	2	3/4	143	1.75	24	2 1/4	178	—	36	6	740	—
22	2 1/8	3/4	163	2.10	30	2 1/2	260	—				
24	2 1/4	3/4	203	2.50	36	3	370	—				
SAN DIEGO GLAZED CEMENT PIPE COMPANY				SUBJECT TO DISCOUNT				SAN DIEGO GLAZED CEMENT PIPE CO.				
												22" width Length = about 290 lb

133

12-70⁺-20" Machine Made, F.O.B. San Diego

60⁺-20" - Hand Made

WEIGHT PER FOOT OF RIVETED STEEL PIPE.

DIAM.	10 GA.	1/8" PL.	3/16" PL.	1/4" PL.	5/16" PL.	3/8" PL.	7/16" PL.	1/2" PL.	9/16" PL.	5/8" PL.	11/16" PL.	3/4" PL.
20"	34	31	52	73	89	115	134	153	174	193	218	234
22"	38	34	57	80	97	125	145	165	187	208	230	252
24"	41	37	62	86	105	134	156	178	201	224	248	271
26"	45	40	66	92	112	143	167	191	216	240	266	290
28"	48	43	71	98	120	152	178	203	230	256	284	309
30"	51	46	75	104	128	162	189	216	244	271	304	328
32"	55	49	80	110	136	171	200	228	257	286	316	346
34"	58	52	85	117	144	181	211	240	271	302	334	365
36"	62	55	89	123	152	191	222	253	286	318	351	384
38"	65	58	94	129	160	200	233	266	300	334	368	403
40"	68	61	98	135	167	209	244	278	314	349	385	421
42"	72	64	103	141	175	219	255	291	328	364	402	440
44"	75	67	108	148	183	228	266	304	342	380	420	459
46"	79	70	112	154	191	237	277	316	356	396	437	478
48"	82	73	117	160	199	246	287	328	370	412	455	497
50"			122	167	206	256	298	341	384	427	471	515
52"			127	174	214	266	309	353	398	442	488	534
54"			131	180	222	275	320	366	412	458	506	553
56"			136	186	230	284	331	378	426	474	523	572
58"			141	192	238	293	342	390	440	490	541	591
60"			145	198	245	303	353	403	454	505	557	609
62"				204	253	313	364	416	468	520	574	628
64"				210	261	322	375	428	482	536	592	647
66"				216	268	331	386	441	497	552	609	666
68"				222	276	340	397	454	512	568	627	685
70"				229	284	349	408	466	525	583	643	703
72"				235	291	358	418	478	538	598	660	722

Ed Fletcher Papers

1870-1955

MSS.81

Box: 24 Folder: 9

General Correspondence - San Diego Glazed Pipe Company



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