

(COPY)

DEPARTMENT OF PUBLIC HEALTH

(COPY)

CITY OF SAN DIEGO, CALIFORNIA.

MUNICIPAL LABORATORY.
OPERATING DEPARTMENT

BACTERIOLOGICAL EXAMINATION OF WATER.

City of San Diego, California. Main Office City Hall.
May 31, 1918.

Laboratory Number 1718 Sample Number May 31, 1918

Marked 5140 - 38th Street.

Mr. C. Harritt, Sup't,
Cuyamaca Water Company, at 37° C per cc.
916 - 8th Street,
San Diego, Calif. 24 hours 48 hours

Dear Sir:-

Colon Bacillus not present in 0.1 cc.

The attached bacteriological analyses of water
Colon Bacillus not present in 1. cc.

Colon Bacillus not present in 10. cc.

Colon Bacillus not present in 10. cc.
Street, show that this water is well below the U. S.
Conclusions:

Government standard of 100 and satisfactory from a
sanitary standpoint.

Yours very truly, San Diego, Cal. May 30th, 1918.

Laboratory Number 1718 Sample Number H. JUDY Received.

Marked 5140 Monroe

Total Count on Standard Agar, at 37° C. per cc.

CHIEF INSPECTOR.

24 hours.

48 hours.
50

Colon Bacillus not present in 0.1 cc.

Colon Bacillus not present in 1. cc.

Colon Bacillus not present in 10. cc.

Conclusions:

Negative for E. Coli.

L. L.

Bacteriologist.

(COPY)

DEPARTMENT OF PUBLIC HEALTH
CITY OF SAN DIEGO, CALIFORNIA.
MUNICIPAL LABORATORY.

BACTERIOLOGICAL EXAMINATION OF WATER.

San Diego, Cal. May 21st, 1918.

Laboratory Number 1717 Sample Number 606 Received
Marked 4510 - 38th Street.

Total Count on Standard Agar. at 37° C per cc.

24 hours

48 hours

50

Colon Bacillus not present in 0.1 cc.

Colon Bacillus not present in 1. cc.

Colon Bacillus not present in 10. cc.

Conclusions:

Negative for B. Coli.

San Diego, Cal. May 20th, 1918.

Laboratory Number 1718 Sample Number 607 Received.

Marked 5140 Monroe

Total Count on Standard Agar, at 37° C. per cc.

24 hours.

48 hours.

50

Colon Bacillus not present in 0.1 cc.

Colon Bacillus not present in 1. cc.

Colon Bacillus not present in 10. cc.

Conclusions:

Negative for B. Coli.

L. L.

Bacteriologist.

C O P Y original sent to County Highway Com.

OPERATING DEPARTMENT
City of San Diego.
Main office City Hall.

November 20, 1919

Col. Ed Fletcher,
920 Eighth Street,
San Diego, Calif.

Dear Sir:

The City has an excellent opportunity to establish a modern testing laboratory for the physical testing of materials of construction, but I feel that it would not be justifiable to establish it for city testing, only, as we would not have sufficient testing to require more than half a testing engineer's time.

In view of the fact that the County Highway Commission is to have charge of a great deal of highway construction, I suggest that, for your own protection, you join with us in establishing this laboratory by paying one-half of the engineer's salary. This would amount to about \$125.00 per month.

In explanation, let me say that we have secured permission to use the laboratory equipment of the Bureau of Standards laboratory in Balboa Park, which will save considerable expense in starting this work.

Undoubtedly you will require the services of an inspector to examine your material deposits which you contemplate using in the proposed paving, and Mr. Jewett, the testing engineer we propose to place in charge of the laboratory, would be an excellent engineer for that purpose. I might state that Mr. Jewett has been a testing engineer for the U. S. Reclamation Service for many years and is without doubt the man for this work.

Hoping to have your co-operation in this matter, I am,

Very truly yours,

Wilbur H. Judy

Manager of Operation

whj/1

March 19, 1920

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

My dear Mr. Judy:

In my argument with you the other day as to the damage to the Cuyamaca System in case the City attempted to build El Capitan, I did not cover all the points I intended, and in order that you may have the facts, I wish to give you the following information.

There is no controversy over the title to the dam site. The Cuyamaca Water Company owns the land on which the dam site is located, and about 3/4th of a mile of the reservoir site east of the dam, as well as 1/4 mile of the valley below the dam. We have spent between \$10,000 and \$15,000 in developing El Capitan Dam site to determine its value as a dam site. If a dam were built at El Capitan it would back the water over 100 feet over our South Fork and Chocolate siphons. Certainly if the City ever did condemn our dam site and lands, it would be compelled to pay for them. It would also have to pay at least \$120,000 or \$130,000 for a conduit between 3 and 4 miles in length above the high water level of El Capitan in order to protect the existing Cuyamaca System, particularly the South Fork and Chocolate siphons.

We have a main road to the diverting dam and six miles of this county road will be flooded if El Capitan is built. The City would be compelled to build another county road at an expense of at least \$60,000 or \$70,000. Two or three miles below El Capitan dam site we have a pumping plant installed, and the right to pump 3,000,000 gallons of water daily. Building El Capitan would vitally effect our pumping plant. As you know, we own between 15 and 20 miles of riparian rights on the river below. I am sure neither Mr. Henshaw nor Mr. Murray nor myself

would consider that the amount of damage done would amount to less than \$700,000 or \$800,000, if El Capitan site were taken away from us by the City.

If you will read Hon. Cato Sells' testimony, I think you will find that he will demand of the City at least \$300,000 for the acquisition of new lands, for the building of schools, houses, water system, roads, and even the removal of the dead.

The City of San Diego can count on the expenditure of a million dollars before they commence building El Capitan, and the cost of the dam will be at least two millions. Then there will be the riparian owners to contend with, and it will cost another million to build a pipe line to the City.

The U.S. Reclamation Service report shows that the net safe yield of Capitan, after release for riparian lands, with no allowance for transmission loss, is 3,660,000 gallons daily. With Fletcher Dam built at the head of the Cuyamaca Flume, the net safe yield would be only 2,810,000 gallons daily.

The Reclamation Service report shows that the net safe yield of the present Cuyamaca System is 3,100,000 gallons daily, and with Fletcher Dam built (and it could be built at a cost of \$350,000) our net safe yield is 6,530,000 gallons daily, and with a small diverting dam at South Fork, together with Fletcher Dam built, the Cuyamaca System will give a net safe yield of 6,900,000 gallons daily.

All of the above estimates of the U.S. Reclamation Service of the Cuyamaca System are based on minor repairs to the flume, and allow a small shortage in the supply of irrigation water during one year of the big drouth. I wish you would consider the following:

The net safe yield of the City of San Diego's system for the last 15 years has been 5,500,000 gallons daily. the cost of the impounding system alone was say \$5,500,000, so that every drop of the City water, of the present City system, cost \$1,000,000 for every 1,000,000 gallons daily

net safe yield. With Barret Dam built, and adding your cost of Lower Otay, the total cost of the impounding system will be about \$8,000,000, with a net safe yield of 9,400,000 gallons daily net safe yield, or nearly \$900,000 for each 1,000,000 gallons daily net safe yield.

Now, take the Cuyamaca System, with a valuation of \$1,451,000, as determined by the State Engineer at the request of the La Mesa, Lemon Grove, Spring Valley Irrigation District last Fall; with a net safe yield of 3,100,000 gallons daily net safe yield as just determined by the U.S. Reclamation Service, this represents a cost of approximately \$450,000 per 1,000,000 gallons daily net safe yield from the present Cuyamaca System. By spending \$350,000 to build Fletcher Dam at the head of our flume, and \$150,000 more in repairing our flume and water system, we will have a valuation of say \$2,000,000 for the Cuyamaca System, with a net safe yield of 6,900,000 gallons daily net safe yield, or a cost of \$300,000 per 1,000,000 gallons net safe, daily, from the Cuyamaca System, as determined by the U.S. Reclamation Service.

Taking Lake Hodges Dam, with a net safe yield, according to the State Engineer, of 9,700,000 gallons daily net safe yield, and a valuation of \$1,838,000, as determined by the State Engineer for the Cardiff Irrigation District, shows a cost of approximately \$200,000 per 1,000,000 gallons daily net safe yield.

My information may not be official, but my understanding is that the cost of the water developed by the Sweetwater System is approximately \$750,000 for 1,000,000 net safe yield daily.

Of course, in comparing the cost of water it must be borne in mind that the cost of the Cuyamaca Water is based on delivery at University Heights Reservoir, while the cost of Lake Hodges water is based on delivery at the city limits, Del Mar, or at Lake Hodges reservoir.

Hoping this information may interest you, I am

Yours very truly,

EF/bm

December
23
1920

Mr. W. E. Hyer,
Del Mar, Calif.

My dear Mr. Hyer:

Answering yours of December 21st, will advise it is out of the question, and I do not care to make the trade. I cannot see the value of your property.

I will recommend to Mrs. Fletcher that you be rented the corner for three years for \$250 a year, you to pay all taxes and insurance, and we will take the furniture out of the house; and the other two years, making five years in all, we will arbitrate the rent if we cannot agree on it.

You can make any improvements that you want to the house and leave them there when you vacate the property, but Mrs. Fletcher does not care to sell the property. This is her property, and not mine.

Yours very truly,

EF:KIM

WILBER H. JUDY
MANAGER OF OPERATION

D

W. E. METZ
CHIEF CLERK

OPERATING DEPARTMENT
CITY OF SAN DIEGO, CALIFORNIA
MAIN OFFICE CITY HALL

March 24, 1920.

Col. Ed Fletcher,
920 Eighth St., City.

Dear Sir:

Enclosed please find letter from the Water Works Supply Co. to Mr. King regarding the increase in the cost of the Crispin air and vacuum valves. This letter is returned to you for your files.

In this connection, I wish to advise you that the Water Works Supply Co. have been notified that all valves to be used on the La Jolla-Del Mar pipe line are to be purchased by you, and if you have cancelled the order for valves because of the inability to secure early delivery, this cancellation includes all valves, whether ordered for your end of the line or the City's end.

Very truly yours,

WHJ/1.

Wilbur H. Judy
MANAGER OF OPERATION

OPERATING DEPARTMENT
CITY OF SAN DIEGO, CALIFORNIA
MAIN OFFICE CITY HALL

March 24, 1920.

Col. Ed Fletcher,
920 Eighth St., City.

Dear Sir:

In reply to your communication of March 19th relative to the pipe line excavation by Bent Brothers, I hereby approve of your accepting the bid of 10 cents per lineal foot.

Very truly yours,

WHJ/1.

Wilbur H. Judy
MANAGER OF OPERATION

OPERATING DEPARTMENT
CITY OF SAN DIEGO, CALIFORNIA
MAIN OFFICE CITY HALL

March 24, 1920.

Col. Ed Fletcher,
920 Eighth St., City.

Dear Sir:

This is to advise you that the stakes for the La Jolla-Del Mar pipe line will be set by the engineers in plenty of time to allow the excavator to proceed with the work as soon as it is on the ground.

The City has practically closed the deal for the only right of way for the pipe line over which any difficulty was anticipated, and doubtless all the rights of way will be secured within the coming week.

Along this line, let me remind you of the agreement whereby you were to secure all rights of way for this line where these rights of way happen to be outside of the city limits.

I refer to the old Santa Fe right of way from the end of your pipe line to the city limits. It was specifically agreed by both you and Mr. King that you would secure this right of way, so consequently the City has done nothing regarding it.

Very truly yours,

WHJ/1.

Wilbur H. Judy
MANAGER OF OPERATION

7-1-2
104

March
Twenty-sixth
1 9 2 0

City of San Diego,
San Diego, California.

Attention W. H. Judy
Manager of Operations

Gentlemen:

Answering yours of March 24th regarding placing the order for the fittings for the La Jolla pipe line with the Waterworks Supply Company, will say Mr. King placed this order with the Waterworks Supply Company during my absence from the city. On my return, I immediately rang up the Waterworks Supply Company and was informed that they could not make delivery under ninety days.

In addition, the Waterworks Supply Company have no legal right to hold us to the contract, for the reason that after making a definite price to Mr. King, they increased the price on the air and vacuum valves. It was utterly impossible for us to wait ninety days for the fittings for the Del Mar pipe line to the city limits of San Diego, being built by the Santa Fe Land Improvement Company. The Waterworks Supply Company told me over the 'phone that it was impossible to get any fittings on the coast, but I had no trouble in buying them, and on a week's delivery.

It is imperative that the Del Mar pipe line to the city limits be built first, otherwise you would have no water with which to test out and fill the city's pipe line, and it is necessary to have water; for that reason we are rushing the Santa Fe Land Improvement Company's pipe line thru Del Mar. The trench excavation is now being made by hand on the hillside, and the first carload of pipe will be in transit within a week, we believe.

We let the contract for the cement pipe line to the San Diego Glazed Cement Pipe Company, after same had your approval, and the pipe is now under course of construction. The wooden pipe for both the Del Mar and La Jolla jobs has been purchased from the Pacific Tank

and Pipe Company. Delivery on the pipe line for the City job commences April 15th.

We have not cancelled the order for the valves and fittings placed by Mr. King with the Waterworks Supply Company, and are awaiting your instructions as to whether or not the order shall stand, owing to the increase in price of the vacuum valves. If it is still your wish, after having been notified of the increase in price by the Waterworks Supply Company, that these fittings be purchased from the Waterworks Supply Company, will you kindly write us a letter to that effect, on the understanding that the City take the responsibility for delay in construction of the pipe line, in case the Waterworks Supply Company fails to make delivery in time.

Yours truly,

President

EF/klm

OPERATING DEPARTMENT
CITY OF SAN DIEGO, CALIFORNIA
MAIN OFFICE CITY HALL

March 26, 1920

Mr. Ed Fletcher,
920 Eighth Street,
San Diego, California.

Dear Mr. Fletcher:

I am in receipt of your communication of March 26th, regarding the purchase of valves from the Water Works Supply Company for the Del Mar-La Jolla pipe line.

Under date of March 23rd, I notified the Water Works Supply Company that your Company were to purchase all valves for this line and that, as you had cancelled the order given to them for the valves on the Santa Fe Land Improvement Company's line, the valves ordered for the City line should have been included in the cancelling order.

In order not to delay the construction of this pipe line, I think your plan of purchasing elsewhere for immediate delivery should be carried out provided the prices are favorable.

Yours truly,

Wilbur H. Judy
Manager of Operation.

WHJ-n

Copy

City Hall,
San Diego.
March 27th, 1920

Col. Ed Fletcher,
920 Eighth St. City.

Dear Sir:-

In securing rights of way for the La Jolla-Del Mar pipe line for the city, if you find it necessary to agree to give a tap free of charge in order to secure such right of way, you are hereby authorized to do so, with the understanding that water will be sold through this tap to the property owner at the current rate.

If you find it necessary to enter any such agreement, please notify me and I will have the City Attorney draw up the necessary papers.

Very truly, yours,

(Signed)

Wilbur H. Judy

MANAGER OF OPERATION.

WHJ/1.

(1104)

March 30, 1920

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

Dear Sir:-

Enclosed find contract with the San Diego Glazed Cement Pipe Company also copy of Pacific Tank & Pipe Company contract, both of which have been signed by us and approved by you.

Will you kindly have the City Attorney approve these contracts as per our telephone conversation, and oblige.

Yours very truly,

EF/bm

encl 2

April 1st, 1920

City of San Diego,
San Diego, California.

Gentlemen:-

Attention Mr. Judy
and Mr. Higgins:

Bids have been opened for the construction of the reservoir, on the revised plans as made by Mr. Williams, and the lowest bidder is the combination of San Diego Glazed Cement Pipe Company and H. G. Fenton, at \$25,574, based on the excavation yardage of 9441 cubic yards.

Attached hereto is letter from Mr. King, our Engineer. Mr. Fenton wishes to know by noon today if his bid is accepted, as he has an outfit which will have to be placed elsewhere if his bid is not accepted, as he wants to commence work Monday morning.

Will you informally approve this bid if satisfactory, and let the contract be drawn up later.

Please see that the Water Department is notified to put a tap in at the reservoir site for the Fenton stock, etc.

Yours very truly,

EF/bm
encl

I approve the acceptance of the San Diego Glazed Cement Pipe Company and H. G. Fenton bids.

April
First
1920

City of San Diego,
San Diego, California.

Attention W. H. Judy

Gentlemen:

Following is copy of letter I have received from Mr. King today, showing that the City Engineer's office has changed the design of the reservoir, and we have been some ten days or two weeks delayed on account of same, but it would look as if it is to the city's advantage.

"March 31, 1920

Col Ed Fletcher,
Office.

Dear Sir:

You have asked me why we have not let the contract for the reservoir at the top of Torrey Pines grade, which is a part of the Del Mar-La Jolla pipe line system. The explanation follows:

When Mr. Williams of the City Engineer's office submitted his estimate of the cost of the City line, we understood that he had a bona fide bid of \$32,187 for the construction of this reservoir. When we received bids for this work we found the cost on the reservoir to be in the neighborhood of \$37,500. You were out of town and I immediately took the matter up with Mr. Williams and suggested a change in the design. Mr. Williams went to work on the proposition and worked out an entirely different scheme for the reservoir, which will bring the price down to approximately \$24,000, but before Mr. Williams could proceed with a new design, it was necessary for the City to have the brush cleared off the reservoir site and an accurate survey made of the topography at the site. This work took time and it was only last Wednesday, March 24th, that we got the revised plans from the City. We now have prices on the revised plans and if they are satisfactory to you and Mr. Judy, there is no reason why the contract should not be let immediately. If

Wilbur H. Judy
Manager of Operation

OPERATING DEPARTMENT
City of San Diego, California.
Main office City Hall

April 29, 1920.

Ed Fletcher Company,
920 Eighth St., City.

ATTENTION MR. KING.

Gentlemen:

In reply to your questions regarding the method of handling incidental expenses, the purchase of material, and day labor in connection with the construction of the La Jolla - Del Mar pipe line, please be advised that it will be satisfactory to the City if you will submit, on the proposed blanks, a report of each item and the amount so expended. These reports to be submitted monthly to be checked by the City's Engineer on the job and approved by the Manager of Operation. A copy of these reports to be furnished for the city's files.

Very respectfully,

WHJ/l.

Wilbur H. Judy
Manager of Operation.

Approved:

S. J. Higgins
City Attorney

(Copy)

Page Two

Mr. Fenton does the excavating, he is anxious to start work next Monday morning, April 5th.

Yours very truly,
THK/MR (signed) R. H. King

Will you kindly approve the change in plans, so that we may proceed with the work.

Yours very truly,

EF:KLM

OPERATING DEPARTMENT
City of San Diego, California
Main Office City Hall

April 23, 1930.

H. Fletcher Company,
230 Eighth St., City.

ATTENTION MR. KING.

Gentlemen:

In reply to your questions regarding the method of handling incidental expenses, the purchase of material, and day labor in connection with the construction of the La Jolla Del Mar pipe line, please be advised that it will be satisfactory to the City if you will submit on the proposed blanks, a report of each item and the amount so expended. These reports to be submitted monthly to be checked by the City's Engineer on the job and approved by the Manager of Operation. A copy of these reports to be furnished for the City's files.

Very respectfully,

Walter H. Juby
Manager of Operation.

Approved:

J. Higgins
Attorney

(Copy)

City of Operation
H. Juby

Ed Fletcher Company
FLETCHER BUILDING
920 EIGHTH ST.
SAN DIEGO, CALIFORNIA

AGENTS
PINE HILLS
DEL MAR
GROSSMONT

June 22, 1920.

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

COPY

Dear Sir:

During the construction of the La Jolla Pipe Line there have been a number of delays on the part of the city which have served to seriously retard the progress of the work and I wish to call your attention to them at this time, in writing, although I previously, from time to time, have spoken to you regarding them.

I am not writing this letter in a spirit of criticism either of yourself or of the City Engineer's Office, for not only you but Mr. Rhodes, Mr. Williams and others of the Engineer's Office who have been engaged on this work have co-operated with us to their utmost but the conditions have been such that the men assigned to the engineering in connection with this work have been over crowded and it has been and still is impossible for them to give full justice to the work.

The first delay was in getting out the plans of the Torrey Pines Reservoir and it was not until April 9th, 1920 that these plans were delivered to this office.

Another serious delay has been in connection with the detailed specifications for the wood-stave pipe, that is, the tabulation showing the amount of pipe necessary to be manufactured for each different head. Although frequent requests have been made for this information it was not delivered until June 14th, 1920 and the list of fittings, specials etc. was not delivered until June 19th. The profile of the line, I am told, has not yet been made in such form that a copy can be delivered to us. In addition to this the contractors on this work have just been given their monthly estimates for May, although they are entitled to pay on or before the 10th of this month.

Mr. Williams who has charge of this work has worked day and night and no one could expect any man to do more than he has done but the fact of the delay remains and we can not be held responsible if we are unable to finish the work within the time contemplated.

Yours respectfully,

Henshaw & Fletcher,

(Signed) By Ed Fletcher.

T. H. King. (Signed)

Thomas H. King.

THK/ME

Kindly acknowledge receipt.

Ed Fletcher Papers

1870-1955

MSS.81

Box: 14 Folder: 16

General Correspondence - Judy, Wilbur H.



Copyright: UC Regents

Use: This work is available from the UC San Diego Libraries. This digital copy of the work is intended to support research, teaching, and private study.

Constraints: This work is protected by the U.S. Copyright Law (Title 17, U.S.C.). Use of this work beyond that allowed by "fair use" requires written permission of the UC Regents. Permission may be obtained from the UC San Diego Libraries department having custody of the work (<http://libraries.ucsd.edu/collections/mscl/>). Responsibility for obtaining permissions and any use and distribution of this work rests exclusively with the user and not the UC San Diego Libraries.