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Cardiff District

Law Offices of
G. A. GIBBS,
Boston Building,
Pasadena, California.

December 20th, 1919.

Hon. U. S. Webb, Attorney General,
Hon. Wilbur F. McClure, State Engineer,
Hon. Charles F. Stern, Superintendent of Banks,

Bonding Commission for the State of California.
Sacramento, California.

Gentlemen:

In the Matter of Cardiff Irrigation District,
San Diego County.

A committee representing about fifty lot owners at Del Mar, within the above described District, were accorded an interview with Mr. McClure while he was in Los Angeles last week, relative to the bonding of this District. Mr. McClure said that he had made up his mind that these bonds would be issued and approved, but said that we would be given ample opportunity to be heard.

I can appreciate, and agree with Mr. McClure, that within this proposed District are valuable lands and water rights, and, when properly developed and brought together, it would be most desirable for the District and for the prosperity of the State of California, and in time I am sure that this will be brought about; but our objections at the present time are as follows, believing that Mr. McClure has been ill-advised in some of the particulars:

First:

Mr. McClure bases his judgment partly upon the report of Mr. Walter J. Huber, an engineer of San Francisco, employed by the proposed sellers of valuable water rights to this District, to-wit, the San Dieguito Water Company.

I have read this report carefully; it contains valuable information, and, I believe, is an honest report, based upon information which has been gathered by him personally, but also based upon information furnished him; but I believe both Mr. Huber and Mr. McClure have not been sufficiently or properly or correctly informed of vital and material facts on which to base a judgment upon so important a question as the issuing of such large bonds and making them a lien upon the property in this District.

Second:

There are not enough people in the District to pay for such bonds as are proposed. For example, thirty-three people voted at the election for the proposed District. The land is sparsely settled and mostly broken, with more hills than valleys.

Third:

These lands do not now, nor can they for several years be brought under cultivation enough to pay the interest upon the bonds proposed.

#2.

Dec. 20, 1919.

Fourth:

This is conceded to be true by the promoters of this scheme, and they propose and say that they can sell to San Diego water for use of La Jolla and receive therefore Fifty Thousand (\$50,000.00) Dollars per year and this will carry the bonds until the District is self-supporting. We do not understand that there is any contract with San Diego. We know that there is no pipe-line across the Torrey Pines to La Jolla; and if such were done and domestic water sold to takers at La Jolla, I doubt if their supply could be shut off; and it might be, after going to all the expense, that some property owner within the District would follow the recent case of Los Angeles vs. Southern California Edison Company and Pacific Light & Power Company, filed December 16, 1919, and procure an injunction from selling surplus water, without a vote of three-quarters of the District owners.

Fifth:

Both Mr. McClure and Mr. Huber disclaim any knowledge of land values in this District, but Mr. Huber does undertake to fix such values. In the face of such disclaimer, how is it safe to issue bonds without the report of somebody who does know?

Sixth:

It seems that the question of present ownership and use of water rights outside of the District from the supply proposed to be used by the people within the District is a serious question. This is also disclaimed by Mr. Huber of having any knowledge of these legal rights, which, to my mind, is the very life of the subject of the formation of this District - to know not only what the District has got, but whether the District is interfering with somebody else's vested rights.

Seventh:

Mr. Huber says the land in this District is frostless - that he is so informed. One of our committee says that he is in error, for he has seen ice at the pumping plant at Del Mar.

Eighth:

Other irrigation districts have failed in the past, to-wit: Perris Irrigation District, Poso Irrigation District and others, for the water cost too much and there were too few people to pay for it.

Ninth:

We of Del Mar are not agriculturists and could not cultivate our land if we wanted to, as it is too precipitous.

Tenth:

I submitted Mr. Huber's report to a graduate of the University of California, Agricultural Department, class of '17, who spent one summer on a ranch back of Del Mar, for the purpose of inquiring into the resources of this District; and he reported his findings to the State University and received credit for a school year for this report.

Dec. 20, 1919.

First: The best land, where the ranches now are under cultivation, is the bottom land; and, strangely and unaccountably, the formation of this District excludes these bottom lands in four of the best places within the District. Please look at this map and see how conspicuous this exclusion is.

Second: The report of the agriculturist who informed Mr. Huber is of a series of garden patches, selected spots intensely worked, and, even then, small productions.

Third: No farmer can carry a debt of between two and three millions upon property valued at six millions - neither can anybody else.

Fourth: The attempt to impound more water at Lake Hodges would stop the percolation to the gravel beds of the farmers who are now pumping.

Conclusion: I am informed that the Lot Owners Association are employing an expert engineer to make to you a further report for your help, but I believe that your committee would like to be advised on an independent judgment; and I am in hopes that you will continue the time of meeting until an investigation can be had both by us and by you.

Respectfully submitted,

G. A. Gibbs (Signed)
(One of the Lot Owners at
Del Mar.)

GAG:C

P.S. Since writing the above, at the invitation of the officials of the Santa Fe Railroad and the owners of the San Dieguito Water Company, we had an interview with them and from them learned the following facts:

1. That it is true that the District proposed to sell water to San Diego, but we were surprised to learn that this income would not more than one-third carry the bonds.
2. That it is not expected that the income will support and carry the bonds at first, but by the upbuilding of the property it is hoped they will later.
3. We were also surprised to find that the proposed District is not an agricultural project, but one for the establishing of future towns along the coast.

We have owned our lots at Del Mar (the choicest spot in the District) for eleven years and a number of us (one of our members having a house on his lot) have offered to sell for fifty cents on a dollar of what we paid. In view of these facts, the issuing of bonds in hopes for the immediate future does not look very encouraging. Does it?

From the papers of Ed Fletcher, the following letters have been removed to the alphabetized correspondence files:

"CARDIFF IRRIGATION DISTRICT"

Fletcher to BEECH, George, May 21, 1921
CROUCH, C. C. to O'MELVENY, MILLIKIN and TULLAR, attorneys at law, in regards to Cardiff Irrigation District, November 8, 1918
FAUDE, F.M.
Faude to Fletcher, May 16, 1918
Faude to F.H. Tolle, June 11, 1918
GIBBS, G. A. to Cardiff Irrigation District, December 20, 1919
Fletcher to GREENE, Mildred, May 11, 1921
HUBER, W. L. to The Board of Directors of Cardiff Irrigation District, March 8, 1919
JACKSON, M. S., petitions for exclusion of lands, January 6, 1922, March 1922
KING, Thomas H.
King to Fletcher, May 16, 1918
King to Fletcher, November 4, 1919

"MINNEY, J. L.: ENTIRE FILE 1920-21 CORRESPONDENCE"

NAIRNE, James D. to Fletcher, January 12, 1921
Fletcher to WEBSTER, Chas. H., February 13, 1922, February 20, 1922

September 30, 1918.

RECEIVED FROM ED FLETCHER signed petitions covering the ownership of the Southern Title Guaranty Co's property, also the lands of the Santa Fe Land Improvement Co. which it is intended shall be included in the proposed enlarged Cardiff Irrigation District.

IT IS UNDERSTOOD that these papers are turned over to the Cardiff Irrigation District on the distinct understanding and agreement that no action will be taken by the Cardiff Irrigation District Board of Directors until such time as written authority has been given by the Santa Fe Land Improvement Co. and Ed Fletcher to the official filing of said papers.

CARDIFF IRRIGATION DISTRICT,

By J. Frank Cullen

F-S

Mr. Fletcher

CARDIFF IRRIGATION DISTRICT'S ANSWER TO W. A. DORAN.

In the San Diego Union of February 23rd a lengthy article appeared in criticism of the plans and purposes of the Cardiff Irrigation District, this article being signed by W. A. Doran, Assemblyman. Mr. Doran's article is so confusing, so altogether uncalled for that the directors of the Irrigation District feel it their duty to make a plain statement through your paper, of the aims and purposes of the Cardiff Irrigation District.

The Cardiff Irrigation District was legally formed in March, 1915, and like other irrigation districts in this state, was formed under the Act of 1897 with all its amendments. The District at that time consisted of approximately 1000 acres. In order to form a district it is necessary to prepare a study of the amount of water available in the watershed contiguous to said district, which study is then submitted to the State Engineer for his investigation. The State Engineer then, in the interests of the property owners within the proposed irrigation district, makes a personal investigation of the amount of water available, the probable cost of the development of said water, the fertility of the soil and the general feasibility of the plan. If he finds the project is feasible he then gives his approval to the formation of the district, which approval must be had before the irrigation district can be formed.

After the plans and specifications of the proposed water development of the original Cardiff Irrigation District were submitted to the people at a public meeting held at Cardiff, and after general discussion of the proposed development, it was decided that it would be for the best interests of the Irrigation District to enter into negotiations with the San Dieguito Mutual Water Company looking forward to securing water from that system. Later a large number of people owning 65% of the lands outside the Irrigation District presented a petition asking the District to enlarge the boundaries of said District and add to the said District approximately 24,000 acres of land. This petition was duly advertised and an election held, and the Cardiff Irrigation District enlarged to approximately 25,000 acres, beginning at the city limits of South Oceanside and extending southward to the north city limits of the City of San Diego, a distance of 23 miles of ocean frontage including within its boundaries Oceanside, Del Mar, Cardiff, Encinitas, Carlsbad and South Oceanside, and extending from the ocean eastward a distance of from ~~two~~ ^{one} to three miles inland.

The directors of this Irrigation District have worked conscientiously, with only one purpose in mind: to secure a water development that could be presented to the people owning lands within said district.

No other section in this vast state is so favorably located for the building of homes, and no other section in

the state of California has been so long delayed in coming into its own by the lack of water development, as this particular part of San Diego County. For forty years the crying need of this district has been water, and within its boundaries an abundant supply has been wasting into the ocean from time immemorial. There is no question but what with the application of water to these lands a great prosperity will take place and this section would attract to itself the better class of home seekers. It is to be regretted that this project cannot have the unqualified and united support of the people interested in the development and upbuilding of this section of San Diego County. It is also to be regretted that Mr. Doran should project himself into an enterprise with which he is so little conversant, and presume to render an opinion adverse to this proposition, and with insinuations of trickery condemn the whole project, presuming to know what is best for the people living and owning lands in this section. By a volume of words and the stroke of his pen, he presumes to tell us that he knows more about the advisability and feasibility of this water development than the State Engineer who has jurisdiction over all active irrigation districts in the state of California; said jurisdiction covering a period of about eight years. Mr. McClure, the State Engineer, is employed by the State, is appointed by the Governor, and holds a non-political office. He is undoubtedly the ablest and best posted engineer on

irrigation matters, in the state of California today. He has given the Cardiff Irrigation District the benefit of his experience in the study of this water problem, covering a period of over two years. He finds the proposition feasible, ~~says the cost is not excessive, and that it is very desirable that these lands should have this water.~~

Mr. Doran speaks about the Escondido Irrigation District, which was organized in the early days, before any State supervision was established, and before there was any intelligent study as to the use of water. This is not a fair criterion, and can have no bearing on irrigation districts now actively operating under the supervision of the State Engineer. The largest water projects in this state are now operating successfully under the same act as the Cardiff Irrigation District.

Mr. Doran states there are six different watersheds lying within the boundaries of the Cardiff District from which said irrigation district could secure a water supply. There are two watersheds only which could be considered as sources of supply: the San Dieguito and Escondido Creeks. The San Dieguito being one of the largest watersheds in the county, would be its only possible source of supply. Escondido Creek, with approximately forty square miles of watershed above its dam site is a supplementary supply. The other three water sheds, namely, San Marcos Creek, Agua Hedionda, and the Vista Slough, cannot be considered. The

San Marcos is only a local development with a limited run-off, and the cost of impounding water and building a dam would be prohibitive. The last two are only local creeks having no dam sites and no sands for pumping facilities. The San Luis Rey, lying outside the boundaries of the District, cannot be considered with the exception of a pumping right of 300 miners inches, which can be used as an auxiliary supply.

Mr. Doran states that the lands below Lake Hodges Dam will have first call upon riparian rights. This statement is not a fact, as the Irrigation District, if it acquires the San Dieguito Mutual Water system and the Escondido dam site, will acquire by purchase all the existing water rights below the said dam sites.

Mr. Doran further contends that there was not sufficient publicity given to the enlargement proceedings of the Cardiff Irrigation District. Probably Mr. Doran is unaware of the fact that three public meetings have been called at Del Mar, three at Encinitas, two at Carlsbad and one at South Ocean-side. All of the electors and land owners living within the boundaries of the proposed enlarged district were notified by personal letter requesting them to attend said meetings, and were also advised of the meetings to be held in the several meeting places within the district. Notices were also posted at or near the post office in each town, and in other public places inviting all interested parties to attend an open discussion of the proposed plan. The hearing on the

question of the annexation of these lands was adjourned by the Board three different times in order to give everyone a chance to be heard. The State Engineer's report covering all of the data pertaining to the water development mentioned, was submitted for discussion.

He also criticizes the right of lot owners to vote. In this criticism he denies the right of franchise given by the constitution permitting every elector registered within the precinct or polling place to vote upon all public questions. This is a constitutional right, and as this is a public proposition it should be unquestioned. By his statement, we would take it that Mr. Doran would prefer the old feudal system of Germany where the power of ballot is established according to the number of acres of land a man owns.

The directors are working in perfect harmony on the plans to secure water for these lands. They do not have the power, however, to enter into any contract with any water company binding upon the District, until a proposition is first submitted to the people, which proposition has been approved by the State Engineer, working in the interests of the land owners. Then a petition must be presented, signed by at least 500 electors and owners of property, asking the directors to call a bond election for the purpose of purchasing a water supply for said lands, as per the report approved by the State Engineer. An election is then called in the district, and in the event a majority of electors vote in favor of the

purchase, it becomes incumbent upon the directors to carry out the will of the people and make contracts for the purchase of the certain water system as voted upon by the electors. The directors of the Irrigation District will soon be in position to place all the facts before the people owning lands within the district. Every property owner will then know the cost of the water system. If the District then decides to vote bonds to purchase this water system the Assessor will be prepared to inform every owner in the District (whether that person owns a 50 foot lot or a thousand acres of land) exactly what his taxes will be, before any election is called.

If the people approve of the purchase of this system it will require a bond issue of approximately \$3,500,000, and it will be up to the owners of the property and the people residing within the District to say whether they wish to purchase a water supply ^{good & sufficient} ~~second to none in the State of California~~, and bring great prosperity to themselves, or whether they will be satisfied to sleep again for another forty years.

The District did file a bill with the State Legislature requesting the validation of its proceedings, but this was done on the advice of the attorneys who are to pass on the validity of the proposed bonds and is a procedure that has been followed by practically every irrigation district that has been organized in the state. The directors are informed that at the present time three other irrigation districts

as well as three water districts, are asking to have their proceedings validated.

The opposition to the organization of the Irrigation District have stated that their intentions are to delay this water development indefinitely by litigation and supreme court decisions. The directors do not wish to deny any rights to any property owners in asking to have the Legislature validate its proceedings, but they do wish to do all within their power to facilitate the acquisition of a water supply and bring the proposition before the voters of the district.

Referring to the San Dieguito Mutual Water Company, Mr. Doran states that if this water proposition is such a good thing, he does not see why the Water Company should not build their conduit line and convey the water up the coast and sell it to the consumer. The San Dieguito Mutual Water Company, or the principals of said Company, are not the owners of all the lands within the boundaries of the Irrigation District, and as the Mutual Water Company is founded for the purposes of serving its own lands so that the promoters are able to make sub-division of their properties, colonize the same, and issue stock to the purchasers of the property, thereby participating in the profits made possible by the increased value to the land by the application of water. In this case there are a number of thousand different ownerships, every one of which will receive great advantage by the acquisition of a system of water for their lands. The increased value must be taken into consideration. It is conceded that the application of water to these lands will increase the value on an average of ^{\$150 to} ~~at least~~ \$300 per acre. For this reason it is good business that all the owners

unite, as in this case, through the organization of an irrigation district, and purchase for themselves a sufficient water system, thereby receiving all the benefit. The Mutual Water Company could not afford to build a very large main and all the laterals, and supply with water the lands owned by a large number of different owners, as they would then only be participating in the sale of water; but in the case of private ownership, each will be benefited by the increased value of the land and also through the sale of water. As, if the District purchases the water system all the benefits under this municipal and public ownership plan, and all the benefits from the sale of water will accrue to the advantage of the land owner.

Mr. Doran's article is full of criticism, He has much to say about "jay towns," "slipping things over," and "trickery," but he offers no solution of this water problem, nor one word of encouragement. Let it be known the directors invite investigation, just criticism, and earnestly desire cooperation.

Respectfully submitted,

Board of Directors,
Cardiff Irrigation District.

JFC/bm

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(June 6th, 1916.) Mr. Minney then stated that the needs of the district were such as to require the purchase of a temporary water supply, or sufficient for the needs of the district, pending the bond issue already outlined by this board, and stated that Mr. J. Frank Cullen had offered to sell to the district a portion of the water system owned by him located on East Block 2, in Encinitas, and the distributing main connecting said Block 2 and the town of Cardiff, for the sum of \$10,000.00. The board being advised by Mr. Ginder, their attorney, that it might purchase this system for a price not to exceed \$10,000.00. Then follows the following resolution presented by E. E. Young: (Note that Minney states that Cullen offered to sell a portion of the water system owned by him. Note also that the offer of Cullen is limited to the water system on Block 2 and the machinery and the four inch main pipe line and that he extends an exclusive option to purchase the laterals and other distributing systems later on.

The statement in the minutes of September 5th, 1916, shows an item as follows:

"Lutweiler Pump Engine Company for
cylinder tubes -- \$28.50."

Probably this is for repairs on Cullen's pump that was not included in the sale. Also in the minutes of October 3rd, 1916, shows \$3.25 for couplings for Lutweiler Pump Engine Company.

(June 6th, 1916.) The following resolution was then presented by E. E. Young:

"WHEREAS, the General Laws of the State of California in respect to irrigation districts provide for the purchase by said districts, without submitting same to the people of the districts, of property not to exceed the valuation of \$10,000.00, and
WHEREAS, this board has received a written proposition from J. Frank Cullen, offering to sell the water system owned by him located on East Block 2, in Encinitas, and the main supply pipe extending from said Block 2 to the town of Cardiff, for the sum of \$10,000.00, to be paid

in the following manner: \$3,000.00 in 1916;
\$3,500.00 in 1917; and \$3,500.00 in 1918, and

WHEREAS, it is deemed by this board that
said price is a fair and proper sum and that
said system is fully worth said price,

Now therefore, be it, and it hereby is
RESOLVED that this district accept the
proposition of said J. Frank Cullen. That the
attorney of the district be instructed to pre-
pare a contract embodying the terms of said offer
and that said contract be signed and acknowledged
on behalf of the district by Director J.L. Minney;
that the secretary be instructed to attest same
and affix the seal of the district to be contract."

The president called for a vote thereon, which resulted
as follows:

E. E. Young - Aye;
J. L. Minney - Aye;
J. Frank Cullen - Not voting.

The president requested that Mr. Young proclaim the re-
sult of said vote, and it was stated by Mr. Young that the resolu-
tion was adopted.

Here follows the offer of Mr. J. Frank Cullen:

"Cardiff-by-the-Sea, June 3, 1916.

CARDIFF IRRIGATION DISTRICT,
Cardiff, California.

Gentlemen:

I hereby offer to sell to the Cardiff Irriga-
tion District, the water system owned by me, located
on East Block 2, in Encinitas, California, together
with all machinery and appurtenances on said block
(excepting Lutviller jack and 30 H.P. West Coast
Engines) (This is in handwriting.) and the four inch
main supply pipe connecting said water works with the
town of Cardiff, California, for the sum of Ten Thousand
Dollars (\$10,000.00), payments to be made in the follow-
ing manner:

Three Thousand Dollars to be paid during 1916;
Thirty-five Hundred Dollars during 1917; and
Thirty-five Hundred Dollars during 1918.

I also extend to said district an exclusive option
to purchase all of the laterals and other distributing
systems connected with said main at a price to be agreed
upon when the district may lawfully purchase same.

Yours respectfully,
J. FRANK CULLEN."

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(April 4th, 1916.) Mr. Hurssell being present, then
stated that he had been in communication with the American National
Bank of San Diego regarding the acceptance by it of a warrant to
be issued to Mr. Hurssell for the purpose of enabling him to raise
up to \$2,000.00, the amount permitted to be raised for the purpose

or organization and other necessary expenses. The bank having notified him that it would require the district to pay for the expense of the examination of the proceedings under which the district was formed by their attorney, amounting to \$75.00, it was unanimously voted, upon motion being duly made and seconded, to file the correspondence and reject the offer of the said bank.

The president stated that the expenses incurred by the organization committee in organization of the district would amount to eight hundred or a thousand dollars, and invited discussion on the question of raising the necessary amount:

Thereupon Mr. E. E. Young offered the following resolution:

"WHEREAS, the Organization Committee has reported to the board that expenses of organization have been incurred amounting to between \$800.00, \$1,000.00, and

WHEREAS, this district will require funds within which to pay expenses until the collection of taxes to be levied, which said taxes will be payable on or before the first Monday in November, 1916, and

WHEREAS, the act of 1897 under which this district is organized, permits this board to issue warrants to the amount of Two Thousand Dollars;

Now therefore, be it, and it is hereby RESOLVED, that a warrant be drawn in favor of C. A. Hurssell, treasurer of the district, in the sum of Twelve Hundred Dollars, to provide for immediate disbursement, and that said treasurer be authorized to execute a note for said amount to the Union National Bank of San Diego, California, payable January 1st, 1917, with interest at the rate of seven per cent. per annum. That said warrant be given as collateral security to said bank for the payment of said note."

Upon a vote being taken, said resolution was unanimously adopted.

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(June 6th, 1916.) The president then stated that the following amounts would be required between the date of this meeting and the levying of the next assessment, as follows:

\$2,000.00 - money borrowed from the Union National Bank to pay expenses, etc.

\$3,000.00 - on account of purchasing system from J. Frank Cullen.

(January 2nd, 1917.)

"WHEREAS, \$2,000.00 was borrowed from the Union National Bank of San Diego, California, became due December 31st, 1916, * * * and

WHEREAS, the president of the Union National Bank has assured the directors of the Cardiff Irrigation District that a payment of \$1,000.00 to apply on the principal and the interest of \$102.21 will be satisfactory, and that said bank is willing to take a note from said district for \$1,000.00, payable on or before July 1st, 1917,

Now therefore be it resolved that Mr. C.A. Hursell, treasurer of said district be authorized to draw a check for the sum of \$1,102.21, payable in favor of the Union National Bank; also a note for \$1,000.00, with interest at the rate of seven per cent, payable on or before July 1st, 1917, said payment of \$1,102.21 and \$1,000.00 to be in settlement in full of claims held by the Union National Bank against the Cardiff Irrigation District of January 2nd, 1917, and that a warrant of the district in favor of C. A. Hursell, treasurer, for \$1,000.00, be deposited with said Union National Bank as collateral security for the payment of said note."

Minutes of September 4th, 1917, show allowance of claims as follows:

"J. Frank Cullen * * * merchandise and legal advice * * *	\$684.65
First National Bank, payment on note,	1,500.00"

Minutes of December 4th, 1917, show the sale of a gasoline engine for \$65.00, for which the district has no further use.

Printed financial report in minutes of January 2nd, 1918, show as follows:

"Paid on purchase of Cardiff water system and interest.	\$1,800.00
Paid on bank loan,	1,000.00"

Cardiff

**PROPOSED
WATER SUPPLY
OF THE
ENLARGED
CARDIFF
IRRIGATION
DISTRICT**

Since this pamphlet was compiled,
the San Dieguito Mutual Water Co. has given notice of the withdrawal of their proposition to sell their system to the district.

This leaves the district without an excuse for existing, except that it is living to save funeral expenses.

This withdrawal by the San Dieguito Mutual Water Co. in no way affects the legality of the annexation, nor the status of the three suits now pending in the Appellate Court. If either of the suits first filed are decided against the district, the annexation will be declared illegal. If the annexation is declared legal, it will be necessary to pay off the present indebtedness (about \$15,000 or \$16,000) before the district can be dissolved.

As we have no intention of paying any portion of this debt, the fight will go on to a finish as far as we are concerned.

Your assistance will be appreciated:

Committee

Ranchers' Protective Association,

G. H. JONES, Secretary,

Del Mar, Calif.

There has been much discussion as to the available water supply from the various sources which, it is proposed, that the enlarged Cardiff Irrigation District shall purchase for the sum of.....\$2,053,716.61.

This amount does not include the distributing system and boosting plants, estimated...\$ 696,000.00 (Lippincott's Supplementary Report of Apr. 12, 1920, page 3.)

San Elijo Dam, estimated.....\$ 237,700.00
Two large pumping plants, Lower San Pasqual and San Dieguito Valley.

Debts of the original district, about...\$ 12,000.00 (now 15,000) which the enlarged district must assume.

The following pages attempt to give, in a concise form, a statement of facts and estimates compiled from the best sources available. viz: The report of J. B. Lippincott, C. E., made by order of the Board of Directors of the district. The report of Frank Adams, University of California, on "Agricultural value of Lands and Duty of Water in proposed Irrigation District," made at request of San Dieguito Mutual Water Co. and "Water Supply Paper 446," Department of the Interior, U. S. A., on "Geology and Ground Waters of the Western Part of San Diego County," by Arthur J. Ellis and Charles H. Lee. Studies made 1914-15.

Compiled by the Ranchers' Protective Association.

Propositions to sell these water systems to the district at the prices here given, have been made to the district.

San Dieguito Mutual Water Co.

Lands.....	\$376,950.00
Lake Hodges reservoir...	333,826.00
San Dieguito reservoir...	46,750.00
Carroll Conduit.....	111,415.00
Pipe Line to Coast.....	121,991.00
Water Rights.....	785,000.00
20 acres on San Dieguito Rancho, with right to pump 250 inches. Right to pump 2000 acre-feet from the Lower San Pasqual Valley. Right to by-pass 2000 acre-feet from Pama reservoir.	
Price for all properties listed above....	\$1,800,000.00

Del Mar Water, Light and Power Co.

and.....	\$ 800.00
Present value physical property	36,425.00
Total.....	\$ 37,225.00
Term lease and Pumping right not included.	

Oceanside Mutual Water Co.

Land.....	\$ 32,000.00
Present value of physical Property	94,715.00
Water Right 200 inches, San Luis Rey Valley.....	82,000.00
Above listed property with late improvements.....	\$ 216,491.61
Total for systems now constructed....	\$2,053,716.61

Analysis of the proposed Water Supply of the enlarged Cardiff Irrigation District.

San Dieguito Mutual Water Co., price:\$1,800,000.00

Lake Hodges, estimated safe yield "on ordinary and wet years" (J. B. Lippincott's Report, pages 4 and 14.) 10,500 acre feet
 Estimated annual use and loss in the San Pasqual Valley, within the Lake Hodges water shed, to be deducted. (J. B. Lippincott's Report, page 14)... 6,000 acre feet

Estimated safe net yield of Lake Hodges water shed..... 4,500 acre feet

Proposed to by-pass from Pama reservoir to Lake Hodges, (J. B. Lippincott's supplementary Report.)..... 2,000 acre feet

Estimated supply to be obtained by pumping the sands of the Lower San Pasqual Valley, near Bernardo P. O., (J. B. Lippincott's Report, page 4,)... 2,000 acre feet

"Only a portion of these lands are owned by the Volcan Land and Water Co. To pump several hundred inches of water out of this region, especially in groups of dry years, will probably cause a lowering plane and a depletion of the surface flow of the river, and in making a proposition which involves such a use of water, it appears to me, there should be some reasonable guarantee." (Excerpt from letter of J. B. Lippincott to R. F. Hickox, Feb'y 16, 1920.)

San Dieguito Valley.

Estimated annual safe yield (Ellis and Lee, page 154, table 41)2,430 acre feet
 Studies made 1914-15, before Hodges dam was built.

The Sweetwater Valley pumping yield was reduced 50% after Sweetwater reservoir was built, (Ellis and Lee, page 153.) Therefore deduct 50% from safe yield of San Dieguito Valley, leaving 1,215 acre feet

J. B. Lippincott's report (page 4) estimates that 2400 acre feet could be pumped from this source, but fails to make deductions for Hodges reservoir and amount pumped by the Santa Fe Ranch for the irrigation of valley lands of which about 40% would be lost by evaporation. The Santa Fe Land Co. has refused to give a prior right to pump water from this valley. Therefore this source will yield very little or no water to the district.

Total estimated safe yield from the San Dieguito Mutual Water Co.'s system.....9,715 acre feet
 Deduct 3,000,000 gal. per day sold City of San Diego.....3,360 acre feet

Net available supply from this system for irrigation 6,355 acre feet

Proposed San Elijo Reservoir.

Estimated cost of constructing dam, \$237,700.00.

It is claimed that "an irrigation draft on average and wet years" may be relied upon (Lippincott's Report, page 24 and 26,) amounting to.....1,600 acre feet

As observations were made only in two seasons, 1917-18 and 1918-19, (Lippincott's Report, page 23, table 6.) This estimate is little more than a guess, and old residents in this section consider it absurdly high. Ellis and Lee make no mention of this stream, evidently considering it too small to justify a report. Possible net estimated supply for irrigation, if this reservoir were built,..... 7,955 acre feet

In a conservative estimate, the estimated yield from the San Dieguito Valley (1215 acre feet,) and the estimated yield from the San Elijo reservoir (1,600 acre feet,) should be deducted. The first, because it will have been appropriated by the San Dieguito Valley lands, which are not in the district. The second, because the estimate is based on insufficient data. If these two sources are eliminated, the total conservative estimated yield left for irrigation from the San Dieguito Mutual Water Co.'s system would be..... 5,140 acre feet

Del Mar Water, Light and Power Co.

Price\$ 37,225.00

This pumping plant has been abandoned for more than a year, and as it drew its supply from the sands of the San Dieguito Valley, it could produce no additional water, and never was of any value to the district, except for the old distributing system in Del Mar, much of which needs replacing. Lippincott's Report makes no mention of this system.

Oceanside Mutual Water Co.

Price\$ 216,491.61

Water rights in San Luis Rey Valley (Lippincott's Report, page 30) 200 inches equals..... 2,903 acre feet
According to agreement with the City of Oceanside, dated Aug. 13, 1913, this water cannot be taken south of the north line of the Agua Hedionda slough, (Recorded in the office of County Recorder, San Diego, Book 627 of the Record of Deeds, page 240, et sequitur.)

Summary

Lake Hodges watershed below Pama damsite	10,500	acre	feet
Use and Loss in San Pasqual Valley, to be deducted.....	<u>6,000</u>	"	"
Estimated net safe yield Lake Hodges watershed.....	4,500	"	"
Proposed to By-pass from Pama res'r	2,000	"	"
Estimated supply by pumping Lower San Pasqual Valley.....	2,000	"	"
Estimated supply by pumping San Dieguito Valley	1,215	"	"
Estimated supply from San Elijo res'r Oceanside Mutual Water Co. 200 inches equals.....	<u>2,903</u>	"	"
Total estimated yield for average and wet years.....	14,218	"	"
Amount sold to City of San Diego....	<u>3,360</u>	"	"
Total estimated yield left for irrigation	10,858	"	"
Deducted estimated yield from San Dieguito Valley.....	1,215	"	"
Deducted estimated yield from San Elijo reservoir.....	<u>1,600</u>	2,815	"
Total conservative estimated yield left for irrigation.....	8,043	"	"

Irrigable Land

Acreeage in entire district	24,748	acres
Deduct 28% unfit for irrigation (Frank Adams' Report page 4, Lippincott's Re- port, page 6), all of which could demand water	6,929	acres

The 10% agricultural land not always irrigated (Lippincott's Report, page 6) would be more than equalled eventually by demands from land classed as unfit for irrigation.

Total of irrigable land in district.....	17,819	acres
Irrigable land north of Agua Hedionda slough	3,000	acres
Irrigable land south of Agua Hedionda slough ..	14,819	acres

Therefore the estimated safe yield on average and wet years, from the San Dieguito Mutual Water Co.'s system, plus the San Elijo reservoir, if built, would be 7,955 acre feet per annum, or about one-half of an acre foot per acre per annum for the 14,819 acres of irrigable land south of Agua Hedionda slough. This supply would probably be cut in half during a series of dry years, (see Lippincott's Report, page 4.)

The water right of the Oceanside Mutual Water Co. amounts to 2,903 acre feet per annum, or about one acre foot per annum for the 3,000 acres north of the Agua Hedionda slough, is about double the supply to the southern portion of the district from all other sources combined, and should of course be apportioned throughout the entire district.

The total estimated net safe yield from all sources left for irrigation is 10,858 acre feet per annum. If this were divided among the 24,748 acres now included

within the Cardiff Irrigation District, it would mean less than one-half of an acre foot per acre per annum

The Oceanside Mutual Water Co. is at present, (Sept. and Oct., 1920), pumping an average of 160 inches which it is supplying to about 1,000 acres for irrigation, or an average during these two months of about .4 acre foot per acre, and many of these irrigators complain that they are not receiving enough water for best results.

Frank Adams, Irrigation expert, University of California, in his report on this district, stated (page 8), "In the absence of more data, it is not considered prudent to recommend any lower net figures for the proposed district than shown by the average given in the summary, viz. About 1.1 acre foot per acre per annum for citrus fruit, and about 1.6 acre foot per acre per annum for truck farming. Even then some doubt is felt as to the sufficiency of these amounts for maximum yields." In Carlsbad the "doubt" has become a certainty.

What would the result be to Carlsbad if all water stock in the Oceanside Mutual Water Co. was sold to irrigators, and each demanded his full share of water? Or worse still, if the enlarged Cardiff Irrigation District is declared legal, and they should have to share this inadequate supply with the southern part of the District.

If these estimates are anywhere near correct, the district is a scheme to sell an entirely inadequate water supply at a large price.

Part of the infamous Resolution No. 41, passed by Board of Directors of the Cardiff Irrigation District, November 16, 1918:

Now, therefore, be it resolved by the Board of Directors of the Cardiff Irrigation District as follows, to-wit:

1. That all matter and things hereinbefore recited are true.
2. That all the lands within the boundaries of the present Cardiff Irrigation District, and all of the lands which would be within the boundaries of the said District, were the boundaries thereof changed so as to include the lands in the petition described, are susceptible of irrigation from a common source and by the same system of works, and are susceptible of irrigation from the source selected and chosen for the irrigation of the lands in said district;
3. That the question of the adequacy of a supply of water sufficient to irrigate the lands of the present Cardiff Irrigation District, and the lands described in the said petition from the said source and by the said system of works has been investigated by the Department of Engineering of the State of California, which has reported to this Board, and this Board does now find that it has a source of water supply sufficient to irrigate all of the lands which would be within the boundaries were such boundaries changed as in the said petition prayed for;
4. That each and all of the objections to the said petition are without merit;
5. That each and every lot, tract or parcel of land in the said petition specifically described and contained would be benefitted by the change of the boundaries of the said District, were the boundaries thereof changed as prayed for in the said petition;

6. That it is for the best interests of the Cardiff Irrigation District, that the boundaries thereof be changed so as to include therein the lands in the said petition described."

Nos. 1, 2, 3, 4 and 5, are pure fiction; while No. 6 is certainly true.

Part of Resolution No. 44.

Now, therefore, The Board of Directors of the Cardiff Irrigation District hereby orders: That the boundaries of the Cardiff Irrigation District be, and they are, hereby changed in accordance with the said petition and the said Resolution No. 41."

Table of Water Measures

1 inch equals 9 gallons per minute perpetual flow.

1 inch equals 12,960 gallons per day, or 4,730,400 gallons per year.

1 inch equals 14.5 acre feet per year.

1 inch for 8 months usually reckoned equal to 10 acre feet.

1 cubic foot equals 7.48 gallons.

1 acre foot equals 43,560 cubic feet, or 325,851.4 gallons.

1 acre foot will cover 1 acre 1 foot deep.

1 inch equals 11¼ gallons, according to the California Statutes, but the old miner measure of 9 gallons has been used in these estimates.

CARDIFF IRRIGATION DISTRICT.

District as it exists comprises approximately 900 acres.

Proposed to be enlarged to include a total of 25,840.8 acres.

Located in San Diego County, the southern end of the district being about twenty miles from the City of San Diego, the northern end of the district being about eighty-five miles from the City of Los Angeles. The district extends for about twenty miles along the coast line and includes within its proposed boundaries the small towns of South Oceanside, Leucadia, Encinitas, Carlsbad and Del Mar.

The proposed system of works for the irrigation district as enlarged is estimated to cost \$3,250,000. Work is now going actively forward on a dam at the Hodges Reservoir which will provide the principal storage for the district. Work is also progressing on a pipe line which will be the main conduit from the Hodges Reservoir. This work is at present being financed by the Santa Fe Railroad Company which is the largest landowner in the district as proposed to be enlarged.

It will require careful consideration to determine whether the district as proposed will provide values sufficient to support an issue of \$3,250,000 bonds within the sixty per cent limitation of chapter 366 of the statutes of 1913.

That sixty per cent limitation is as follows:

"Whether or not the aggregate amount of bonds under consideration and any other outstanding bonds of said district, including bonds authorized but not sold, exceeds sixty per centum of the aggregate market value of the lands within said district and of the water, water rights, canals, reservoirs, reservoir sites, and irrigation works owned or to be acquired or constructed with the proceeds of any of said bonds, by said district, as determined in accordance with paragraphs (d) and (e) of this section".

Paragraph (e) of this section reads as follows:

"The reasonable market value of the lands included within the boundaries of the District."

The intent of the law obviously is that the present reasonable market value of the lands included within the boundaries of the district shall be ascertained and to that amount shall be added (see paragraph d of section 2) the reasonable market value of the water, water rights, canals, reservoirs, reservoir sites and irrigation works owned or to be acquired or constructed with the proceeds of the bonds of the proposed district.

The maximum amount of the reasonable market value of the water, water rights, etc., would be the total amount of the bond issue proposed to be devoted to the acquisition of water, water rights, works, etc. It might be that the reasonable market value of the water, water rights, etc., would not actually be equivalent to the total bond issue, for it might be that the bonds would be sold for less than par, let us suppose at 90 per cent, and the water, water rights, etc. would then be acquired for 90 per cent of the total bond issue. Obviously then the reasonable market value of the water, water rights, etc. would be not the amount of the entire bond issue, but only 90 per cent of the amount of the bond issue. However, in this discussion for the purposes of this memorandum, let us assume that the reasonable market value of the water, water rights, canals, reservoirs, etc. will be the amount of the proposed bond issue, namely will be \$3,250,000.

In taking the present reasonable market value of the land, the theory of the law would appear to be that the lands will be benefited in the aggregate

at least to the amount of the value of the water, water rights, etc. It might happen, indeed, that the lands would be benefited or enhanced in value, to an amount in excess of the value of the water, water rights etc. It might be for instance that desert land could be taken which without water would have only a nominal if any value, let us say \$10 per acre; that by the expenditure of \$80 per acre water could be brought to this land and the land immediately made to have an actual value of \$100 per acre. But it is not the intent of the law to take the value of the land as it will be when water has been provided for it, then add the value of the water, water rights, etc. and then take sixty per cent of the sum thus obtained as the limit of the bond issue. For it must be perfectly apparent that if the land is given a value which it will have when water is provided for that land, then the value of the works, water rights, etc. has been absorbed into the value of the land, and the value of the water, water rights, etc. would appear twice in the calculation if the lands are valued at what they will be worth when they have water, and then the value of the water, water rights, etc. is added. Let us illustrate that point in this fashion. Suppose that desert land is taken which is worth in its natural state only \$10 per acre. Suppose that if \$90 per acre be expended upon the acquisition of water, water rights and a system of works, the land will then be worth \$100 per acre. If you take this \$100 per acre which is the value of the land with water and add to it the \$90 per acre which is the value of the water, water rights, system of works, etc. then you have taken the \$90 into the calculation twice, first by including it in the enhanced value of the lands, and then taking it again as the value of the water, water rights, etc. If we take the full value which the land will have when water is provided for it, then in our calculation we must exclude the value of the water, water rights, etc.

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Bond gold
mine
water
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It is true that the water, water rights and system of works may have what we may call a salvage value. That is the system of works which may include one or more reservoirs for the storage of water, (with the attendant rights to such water) and a part of its main canal line, may be so located that they could be utilized for supplying water to lands other than those within the boundaries of the district. The district might be able to sell its water rights, its reservoirs and that part of its conduit system which would be of value to lands other than those within the district. This is what I have called its salvage value. Let us take the case above cited of land worth in its natural state \$10 per acre upon which \$90 per acre has been expended for the acquisition of water, water rights and a system of works. Let us suppose that \$50 of this \$90 expenditure would be for the acquisition of water rights, and for the construction of reservoirs and conduits which would be serviceable for serving water to lands other than those within the district. We might then say that \$50 would be the salvage value of the works. If that salvage value is to be realized, however, it necessarily follows that the land within the district is to be deprived of the water and to revert to its original state, for in order to obtain the salvage value the district must dispose of its water rights, reservoirs, and a portion of its main canal system. Then in the above calculation we would have this result in case the district did realize the salvage value of the water rights, works, etc.: the land instead of being worth \$100 per acre which it was worth when water was provided for it, would revert to its original state and would then be worth again \$10 per acre. The salvage value would amount to \$50 per acre, a total of \$60 per acre, which would then be the value

of the land plus the value that might be derived from the water, water rights, system of works, etc.

I have developed the above point because it may be worthy of consideration later in this discussion, for it is likely to be argued in this instance that the value of the lands within the district will be enhanced to an amount in excess of the value of the water, water rights and system of works. This would be a more favorable view for the proposed district and we might consider the result that would be obtained from adopting this view.

PROBLEM OF VALUATION.

A problem is presented in the valuation of the lands within the boundaries of the proposed district. It is a problem which seems to be susceptible of immediate answer; nevertheless its factors should be presented. The problem is whether speculative values should be allowed to a part or a great portion of the lands within the proposed district, upon the argument that the land is favorably situated with a beautiful view of the ocean from a great part of the land, with an equable climate which, it is insisted, will attract people of some means who are looking for a site for a home with these particular advantages. That view of the matter is insistently urged apparently by all who are promoting the enlargement of the district. It is the guiding principle, practically to the exclusion of all others, of Mr. J. Frank Cullen, the president of the Cardiff Irrigation District, as it now exists. It is the argument of F.H. Tolle, secretary and general manager of the South Coast Land Company, a large landholder within the proposed district. It is certainly reflected in the detailed appraisement of lands submitted by Mr. Ed Fletcher. It is reflected also to a much less degree, in the report of Mr. W. L. Haber to the state engineer.

A PROMOTION ENTERPRISE.

68% wa own
Approach with sympathy
f common sense

The outstanding fact in the situation is that the proposed enlargement of the Cardiff Irrigation District is in pursuance primarily of a promotion scheme. In fairness it must be said that the fact that the plan is promotional in character, does not condemn it. Certainly an irrigation district will not be as attractive in character and as firmly based, if the lands within the district are in a few holdings and these holders are promoting the irrigation district as a means of subdividing and disposing of their lands., Such a district would not have the stability of a district where the organization and the construction of works were the result of a demand of the landowners to bring water to their own lands which they proposed to work. In the proposed Cardiff District three owners hold approximately 13,000 acres out of the total of 25,840 acres. But an element of promotional character in the district will not condemn it, except insofar as the idea of subdivision and land promotion will tend towards the inflation of values of the lands.

INFLATION OF VALUES.

The inflation of values within the boundaries of the proposed district is already overwhelmingly in evidence. From all the facts and evidence which I have gathered, it is apparent to me that those who are promoting the enlargement of the Cardiff Irrigation District, are not looking at the value of the lands within the district from an agricultural standpoint. They are looking at values of land almost altogether from a subdivision standpoint. They urge insistently that the land within the district has exceptional qualifications which will attract the more prosperous class of home buyers who will want to have a five or ten acre tract, not primarily as a business agricultural proposition, but as a home with the agricultural feature somewhat in the nature of a side issue. They insist that the climate along this stretch of coast is

superior to that of any other part of the coast in this section of the state, that they have unsurpassed views of the ocean, etc.

I refuse to pass upon the speculative value of the lands within this district from this subdivision standpoint. I cannot judge of the superior excellence of the climate of this particular twenty miles of coast line but I take it that similar claims might be, and probably are, advanced for many other portions of the coast line. I cannot attempt to appraise the value of a beautiful view of the Pacific Ocean. California has many hundreds of miles of coast line bordering upon the Pacific Ocean. Between the southern end of the district and San Diego I rode in an automobile along this coast line, sometimes upon the mesa overlooking the ocean from a high bluff, and sometimes close along the beach. I was unable to detect any measurable enhancement of beauty in the view that may be had of the Pacific Ocean from the lands within the borders of this district.

It may be that the promoters of the proposed enlarged Cardiff Irrigation District are correct in their view that when water is brought to this land thousands of people will immediately be attracted to come to this particular area, there to buy land and to make their homes, thus justifying the high values which they now place upon the lands. It will require a very appreciable influx of people into the lands to make that land worth the prices at which it is now held. I am unable to guess what the success of these promoters may be in this regard but I am wholly unwilling to take this altogether problematical and speculative factor into consideration in determining the value of these lands at this time. The values which are attempted to be given to the lands at this time are very largely speculative. Upon the mesa overlooking the ocean, outside of the subdivision lines of the towns, they talk of values running to

\$1000 per acre for bare land, and it must be borne in mind that there are twenty miles of this shoreline within the boundaries of the proposed district. I can conceive of someone buying a particular tract of land for a \$1000 an acre because the view or the climate or some other whim of his liking appeals to him, and because he had the money to spend for that purpose if he saw fit. But I cannot imagine that as a practical commercial proposition the vast area within this district can be found to have any such value or that buyers could be found within a reasonable period who would pay such prices for such a large area as is included within the district. The inflated and speculative values given to the land will be illustrated by the fact that in the appraisal of Mr. Ed Fletcher the lowest value given to any of the land within the entire area is \$75 per acre, and this valuation is given to only 319.8 acres. Out of 25,840.8 acres he finds only 319.8 acres which are worth as low as \$75 per acre. To appreciate the significance of the statement it is necessary to view the land, to see that some of it is rugged precipitous cliff land, out and twisted by arroyos, lying excessive slopes, bare of soil, having no conceivable value as agricultural land.

TOWN SUBDIVISIONS.

There are now several subdivisions laid out within the proposed boundaries of the district. These subdivisions generally are Del Mar, Terrace, Del Mar Heights, Del Mar, Cardiff, Encinitas, Luecadia, North Luecadia, Carlsbad and South Oceanside, with a few other smaller subdivisions. These subdivisions comprise a total of 4851.11 acres.

Del Mar is the most pretentious of the subdivisions. It has the Hotel Stratford, a resort hotel of the better class with an attractive building on a bluff overlooking the ocean, well appointed and providing good service. The hotel is the property of the South Coast Land Company. There are already a number of homes in Del Mar, nearly all of them of a very good class and two or three quite pretentious. The total population of Del Mar at this time is taken by Mr. Tolle, manager of the hotel, to be about 250. On the last map of the State of California issued by the railroad commission the population of Del Mar was estimated in 1914 to be 125. Cardiff and Encinitas are stated now to have a population each of about 125 or thereabouts. There is a small population also at Carlsbad, Leucadia and South Oceanside. Del Mar has been on the market for about five or six years. It has attracted, as above said, a few builders of homes of a very good class and the aspiration of its promoters is to make it a town of homes of wealthy people, of ample income and leisure. A very great area has been laid out in subdivisions, only a small fraction of which has yet been built upon. Lots within the subdivisions are held at very high prices running up to \$1500, \$1700 and \$2000 per lot, most of the lots having a frontage of only 25 feet. The question of these subdivisions will be considered under one head, as I cannot find any justification whatever for appraising them in detail according to subdivision values which are now placed upon them. Most of the subdivisions have been on the market for five or six years at least and the growth has not been rapid. It may be that Del Mar will build up with fine homes of wealthy people thereby justifying the lot values which have been placed upon this land. I hazard no guess as to that.

It is wholly speculative and problematical and it would take a large population to absorb all the land that has been laid out in subdivisions at Del Mar. It may be remarked incidentally that Del Mar Terrace lies facing a lagoon mostly on an easy slope and that it is now absolutely undeveloped the subdivision existing wholly on paper. Del Mar Heights are much in the same category, lying on a mesa overlooking the ocean, the subdivision being evidenced entirely by sign posts designating the various streets.

The other subdivisions further up the coast are not even in as advanced state of development as Del Mar. Some very large tracts have been subdivided on paper in acreage tracts lying out in the country.

BEACH.

In considering these subdivisions one must give heed to the fact that several of them comprise within their lines the ocean shore upon which they front. Much of this beach land clear down to the water is subdivided into lots and given values. There are a few so called beach cottages on the beach at Del Mar.

The beach line outside of the subdivision is also included within the boundaries of the district, the district running down to mean tide line. Along this whole shore, except where the lagoons break back through the cliffs, the land comes down to a bluff overlooking the ocean, then drops on a sharp cliff to the beach line. It will be appreciated that along twenty miles of shore line there will be a very considerable area included in this broken cliff and in the beach down to the mean tide line, all of which must,

of course be excluded from consideration so far as agricultural land is concerned.

It may be that sufficient numbers of people will be attracted to this locality in time so that some particular area of the beach will become a resort thereby giving value to the beach as at Long Beach and Santa Monica. I can pass no judgment upon that speculative factor. It is hardly conceivable that value can be given to the entire twenty miles of beach line upon any such hypothesis.

AGRICULTURAL DEVELOPMENT

The present agricultural development within the lines of the proposed Car-
diff Irrigation District has been very limited. A very small percentage of the
land is now under cultivation. At the north end of the district, as proposed
to be extended, the Oceanside Mutual Water Company is now furnishing some water
for irrigation purposes. The supply of water is limited, is sold to the users
I am informed at 3 $\frac{1}{3}$ cents per thousand gallon or at the rate of a little
more than \$10 per acre foot which is somewhat excessive. I am informed that
the actual cost of furnishing this water to the land is about 9 cents per thousand
and gallons or at the rate of about \$30 per acre foot (see appendix Huber's re-
port) which is a prohibitive figure for irrigation water according to the ex-
perience throughout California, taken on the average. The Oceanside Mutual
Water Company is owned by the same interests that control the South Coast Land
Company and the mutual water company is selling its water far below cost. I
am informed, because it is trying to make its land attractive to purchasers.

There are only a few hundred acres to which water is furnished and prac-
tically all of such acreage is now devoted to winter truck gardening, producing
peas, string beans, and other garden truck and also some chile peppers. There

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are a few acres planted to orchard. Some of these orchards in the very northern end of the district appear to be many years old and do not look to be in good condition, doubtless I should say because they have had no water supply. There are also a few acres of lemon trees two or three years old planted by way of experiment. I was informed by Mr. Tolle that the first planting of lemons did not turn out very well because sufficient water was not available for irrigation when they were first set out.

In this northern area also there is quite a large tract for which the South Coast Land Company says that there is water available, although water is not now applied to the land. I do not go into a discussion whether water is now actually available for this land but in my calculations have estimated a little more than a thousand acres of such land for which water is said to be available and have given it a valuation based upon the assumption that the water is now actually available for it; though it might be here observed that it is questionable whether such a large area can be economically served with water at a cost of 9 cents per 1000 gallons or about \$30 per acre foot.

With the exception of these few hundred acres, at the most, in the northern end of the district which are now under higher cultivation, there is very little other land which is now farmed except for hay. A Mr. Jones has a piece of land along the bluff overlooking the ocean a little bit below Cardiff which he is dry farming successfully I am told.

Here and there through the district will be found dry swales or narrow valleys leading back from the lagoons which are said to be adapted to the cultivation of beans, both Lima beans and beans of other varieties. These narrow valleys are on easy slopes, have a good sandy soil and are said to get

the benefit of fogs which are experienced along the coast in the early summer and which furnish a condition most conducive to the production of Lima beans, as has been ascertained along the coast of Santa Barbara and Ventura Counties. It is difficult to estimate the total amount of such acreage but certainly it is not large in comparison with the entire district.

A few isolated tracts will also be found where deciduous fruit trees have been set out but the total acreage of this sort would be insignificant.

A considerable area has been plowed this year for hay. The mesa land and the higher land in many places will be found to be on easy rolling slopes, the soil is very friable indeed, breaking into a fine mulch under the plow. Under dry farming methods this land may produce a fair hay crop in favorable years but it would be a hazard under conditions as they now exist in the district.

I would hazard the guess that all told there are not more than 4000 acres in the district under cultivation at this time including the land that is plowed this year for hay.

From that statement it will be appreciated that the district has very little development thus far to provide stability for taking up the burden of bonds which are proposed to be issued by the district as enlarged. By far the largest portion of the land is now uncleared land which must first find owners or renters who will go upon the land and break it up and put it under cultivation before it will begin to produce returns to help pay the burden of debt proposed to be placed upon the district.

DISCUSSION OF VALUES

Soils

Over such a large area it is impossible within the time at the disposal

of a viewer to attempt to trace in detail the differentiations in the character of soil. In general it may be said that the soil at the northern end of the district is deeper and of a better quality than at the southern end.

Huber's report, page 6, states:

"In the northern portion of the district, the soil covering is deeper than in the southern portion. In this northern portion it probably averages from four to eight feet, but further south, less than half this amount."

It is my judgment that that statement is approximately correct. At the northern end the soil is a sandy loam of a brown color which breaks up very easily and is very finely pulverized under cultivation. The soil is very largely decomposed sandstone and I should say that it probably lacks organic matter. In this view I am supported by the statement of Mr. Tolle, the manager of the South Coast Land Company, who informed me that the renters of land at the northern end of the district were obliged under their contract to improve the land by applying manure, and he stated that he was informed by one of the renters that he was spending \$100 an acre for such enrichment of the soil. Near Cardiff I talked to an owner of land who is planning to set out three acres of deciduous fruit. He stated that he had, upon the advice of the farm adviser of the county, applied fifteen tons of manure to the acre in preparing the soil for the planting of the fruit trees..

As one goes towards the southern end of the district the soil becomes thinner and in the southern end around Del Mar is quite gravelly. In the rough broken country which is characteristic of a considerable portion of this area

will be found ridged with a very thin soil covering and some of them with scarcely any soil covering whatever. In the swales between the hills will be found narrow valleys where the soil is deeper, of a sandy loam character. I saw no evidence of alkali throughout the district.

I am informed that Mr. Frank Adams of the department of Irrigation Investigation U.S. Department of Agriculture, has made an examination of the soils of this district, and I recommend that his report should be obtained and read in connection with this memorandum.

APPRAISEMENT OF LAND

gone in books

In estimating the present value of the land within the district I have endeavored to be as liberal as possible within reason so as to make the most favorable showing to which the district would be entitled. It must carefully be borne in mind that the values given are values of the land in its present condition and viewed from an agricultural standpoint, I am quite of the opinion that some of the values thus given are too high, considering the fact that the land in its present condition could be used only for dry farming with the exception of the very small area for which water is said to be available. Dry farming with a normal rain fall of only ten inches would be very precarious and would scarcely justify the valuation of \$60, per acre and \$50 per acre which I have allowed upon some of the lands. Upon this point of the present value of the land I quote the following from page 3 of the report of Mr. Huber:

"Certain crops can be produced without irrigation, but farming in this manner is not at all certain and offers, on the whole, but little remuneration."

For that land which is now devoted to truck gardening, having a supply of water furnished by the Oceanside Mutual Water Company, I have allowed a valuation of \$200 per acre. This same valuation has also been allowed for a much larger area which now has no water actually applied to it, but for which the South Coast Land Company says that water is available. This statement must be read in connection with the fact that the cost of furnishing this water to the land is now about 9 cents per 1000 gallons or about \$30 per acre foot which is virtually prohibitive. In allowing \$200 per acre for this land, I am sure that the maximum has been given. Mr. Tolle, the manager of the South Coast Land Company, informed me that this land now devoted to truck gardening is leased to the renters at \$12 per acre per year which upon an income basis would not justify a valuation of \$200 per acre. It is part of the consideration of the renters' contract that they shall enrich the land by the application of fertilizer and while this may be considered as increasing the rental per acre derived from the land, yet it also is an indication that the land in its raw state requires an expenditure to bring it to a satisfactory condition of productivity. If Mr. Tolle is correct in his statement that one of the renters is spending \$100 per acre for the enrichment of the soil, then it will be seen that a very considerable expenditure is required to make the soil productive for truck gardening.

On page 5 of Mr. Haber's report he sets forth the returns that have been derived from certain lands in the north end of the district, devoted to truck gardening. The returns given are as follows:

15 acres	peas	\$400	or	\$26.66	per acre	
5	"	string beans	\$350	or	\$70	per acre
8	"	dry beans	\$100	or	\$12.50	an acre

2 acres chile peppers \$1200 or \$600 per acre.
 6 acres string beans \$ 250 or \$ 41.66 per acre.
 2 acres potatoes \$160 or \$80 per acre.
 2 acres chile pepers \$800 or \$400 per acre.
 11 acres peas \$400 or \$35.45 per acre.
 7 acres string beans \$200 or \$28.57 per acre.
 9 acres dry beans \$100 or \$11 per acre.
 5 acres potatoes \$75 or \$15 per acre.
 8 acres dry beans \$72 or \$9 per acre.
 6 acres dry beans \$48 or \$8 per acre.
 1 acre Lima beans \$96
 15 acres peas \$300 or \$20 per acre.
 5 acres string beans \$200 or \$40 per acre.
 30 acres Tepery beans \$800 or \$26.66 per acre
 5 acres Hubbard squash \$350 or \$70 per acre.
 1½ acres String beans \$200 or \$133.33 per acre.

Mr. Huber says:

"In studying the figures for gross returns, it should be noted that the year just completed is one of very high prices."

The figures above given are all gross returns and they are practically all derived from winter truck gardening, when high prices are obtained for such garden truck. Some very high returns per acre will be noted, particularly for chile peppers, but these returns would be derived from a very large area devoted to such crops. The data submitted are not satisfactory nor conclusive as they show the gross returns but not the net returns from this land. It must be borne in mind that these returns are derived from truck gardening which probably requires more labor than any other form of agricultural products. Truck gardening requires constant labor day by day and requires a large labor expenditure per acre. In one field I counted ten laborers picking peas. Of course, I do not mean to say that ten laborers would be required for the production of a crop upon one acre nevertheless it will show what is meant by the statement that garden truck

will require a very heavy labor expenditure.

In addition to the labor will be the cost of water. Mr. Huber in his report on page 5 shows the amount of water used in acre feet for the production of the crops listed. Excluding the crops of chile peppers which require an unusually large usage of water and two crops which required no water, it will be found that the average acre feet per acre of water used was .436. The charge for this water from the Oceanside Mutual Water Company was 3-1/3¢ per thousand gallons or \$10.83 per acre foot. The average cost of water then upon this land would have been \$4.75 per acre.

40
I do not know what proportion of the gross returns would be absorbed by the labor charge, but I am satisfied that after the reduction of the labor charge and the water charge and considering the fact that the year last past was one of high prices, the net returns would not be such as would justify a higher valuation than \$200 per acre for this land.

I identified two small tracts which were planted to lemons two or three years old, for which I allowed a valuation of \$275 an acre, which I think is liberal as bank appraisements of lemon groves in Southern California generally will run about \$275 per acre for two or three year old lemons. It may be that I missed one or two other small tracts not larger than five or ten acres, which are set out in lemons but if that is true the net result of the appraisalment would not be materially changed.

Land Without Water.

The highest quality of land which is not now furnished with water, will be found in the northern end of the district. This land is now plowed and devoted to hay. It is upon easy slopes on the mesa, is very friable in character and

easily worked. Without water probably its highest use would be for production of hay. I was informed that no grain is thrashed in this area and it would by my opinion that rainfall conditions would preclude production of a grain crop upon this land in average years. Even hay will be subject to the hazard of the season.

A valuation of \$60 per acre for this cleared land of the first quality, without water, is a liberal one I think. I am quite convinced that such a figure would not be justified by the net returns derived from such land in normal times.

I was informed that a Mr. Jones successfully dry farmed some land in the district and that he claims his returns justify a valuation of \$100 per acre upon the land. I have seen no statement of Mr. Jones' returns but think it would be important to ascertain how much labor is charged against the gross.
In any event the experience of one man upon a limited area does not establish a valuation upon a great area.

Difficulties of Appraising.

As has already been stated much of the land within the district as proposed to be enlarged is rough land, on excessive slopes, badly cut by arroyos and of no value as agricultural lands. There is also the area comprised along twenty miles of shore line in the cliff and beach.

The obvious method would be to exclude this waste land from calculation but in practice that will be found to be impossible to a large extent. In such a large area it is a matter of extreme difficulty to locate section lines and quarter section lines exactly. Except where a fairly large piece of land is all waste, it will be difficult to estimate the proportion of wastage and

the proportion of arable land. It will be necessary then to take all the characteristics of a given parcel into consideration, including the wastage, and attempt to fix a valuation. In this way much waste land which has no value, will appear in a classification to which a value is given.

Mr. Haber in his report estimates that there are approximately 16,000 acres of arable land out of a total of more than 25,000 acres. I would say that Mr. Haber's estimate is probably correct. However in rejecting land altogether from consideration I have listed only a little more than 1000 as wastage. The wastage in the other portions of the land is taken into consideration by reducing the amount per acre at which the land is valued as a whole.

It may be repeated that I have tried to be liberal in fixing values. To much of the uncleared mesa land which lies upon easy slopes, I have given a valuation of \$50 an acre which surely is the maximum of what it would be worth as agricultural land under present conditions, without water. I am satisfied that much of the land which I have listed at \$25 an acre should be excluded altogether from consideration as being too rough and broken up to have any practical value as agricultural lands.

In the appendix a tabulation is made showing sections and quarter sections of the land, the price at which appraised by Mr. Ed Fletcher, the acreage and the valuation which I have allowed for the land. I have tried as far as possible to reduce the parcels to quarter sections but it must be very particularly borne in mind that this method will have a factor of inaccuracy due to the fact that it is impossible exactly to identify boundary and section and quarter section lines. I took the best information that was available in determining boundaries, namely, the guidance of Mr. P. M. Fande, an engineer familiar with the property, and Mr. J. Frank Cullen, president of the Cardiff District. Nevertheless it may be that

land which I set down in some particular section or quarter section as having certain physical characteristics, will actually lie partly in an adjoining quarter section. However I tried particularly to identify the exterior boundaries of the district so that the land which I describe is within the district itself although it may not be exactly located in my description.

SANTA FE RANCH.

Within the boundaries of the district proposed to be enlarged is included a portion of the so-called Santa Fe Ranch lying in one body in the easterly portion of the district and comprising 6192 acres. It was possible to identify section lines in this area and I found it impracticable to do other than take this ranch as a whole and attempt to assign to it a value per acre as one parcel. It may be remarked that the bottom land of the Santa Fe Ranch lying in the broad water course of the San Dieguito River, is not included within the boundaries of the district. This bottom land is perhaps the most valuable land of the Santa Fe ranch although just now it is in a very inferior condition due to the fact that it was covered with about two feet of sand in the big flood of January, 1916.

The portion of the Santa Fe Ranch included within the boundaries of the district as proposed, is rolling broken hill country. It has some mesa land at the eastern end on slopes that are not excessive and between the hills will be found narrow valleys of good soil, some of which are now under cultivation. There are also in the area many hundreds of acres of eucalyptus groves. The ranch was originally purchased by the Santa Fe Railroad Company many years ago in pursuance of a plan to plant eucalyptus groves and in time thereby to produce railroad ties for the use of the company. This scheme has been proved to be unfeasible, I am informed. There are many hundreds of acres of these eucalyptus groves planted very close together, but

scarcely any of them, I should say, of sufficient size to be of any commercial value. Many of the groves are very small trees, averaging only a few inches in diameter and certainly it would require many years before these trees would be brought to any commercial value, if indeed the eucalyptus will prove to have any considerable commercial value upon a large scale. Unless these groves are to be permitted to stand upon the hazard that when they have obtained a sufficient growth they will be of commercial value, then they are now an actual burden on the land and will be expensive to cut and grub out.

Considering that portion of the Santa Fe Ranch included within the boundaries as a whole, I feel satisfied that value of \$30 per acre would be a fair one, taking the bad with the good.

SUBDIVISIONS

As has already been stated, there is within the subdivisions included within the district, a total of 4851.1 acres. Of this acreage, however, I have appraised as agricultural land 2444.6 acres. There will be then 2406.5 acres remaining in the subdivisions, which should be included for consideration under one caption.

I do not know how it will be possible to determine a present value for the land within these subdivisions. In the last analysis, of course, the determination must be made by the individual members of the commission. These facts must be considered: that most of these subdivisions have not now enough water to permit of their development; that most of them have been platted and on the market, whether actively or otherwise, for many years; that the total population of all of these subdivisions at this time does not exceed 700 or 800 people; that a large area (over 2000 acres) has been laid out in these subdivisions; that it is altogether speculative and problematical whether within a reasonable time a population can be attracted to

these subdivisions sufficient to justify any large valuation placed upon these lands. In my opinion it is altogether questionable whether an irrigation district, or more properly speaking whether bonds of an irrigation district certified by the commission, should be based even in part upon the hazard of townsite subdivisions whose future growth is altogether problematical. In no irrigation district with which I am familiar (I think it is safe to say in no irrigation district) has the value of land within a town, included within the district, been a determining factor in order to support a bond issue within the sixty per cent limitation. In all irrigation districts in which towns are included within the boundaries of the district, the value of lands within the towns has been merely incidental. I take, it, although the policy has never been set down, that the commission in passing upon irrigation districts looks almost entirely to the value of agricultural lands, taken with the value of the water, water rights, works, etc., to support the issue of bonds. Certainly the purpose of the irrigation district law is distorted if the success of a district is subjected to the burden and the hazard of the development of town subdivisions and if its bond issue in order to come within the sixty per cent limitation must be supported by subdivision values. I express it as my opinion that the commission would not be justified in taking the undeveloped subdivisions in consideration except as bare land.

In any event, the present value of these subdivisions per acre will not be large because under present conditions they can have no extensive nor rapid growth. This will perhaps be illustrated by the fact that water at Del Mar is delivered to the consumers at a cost of fifty-eight cents per thousand gallons, which is nearly prohibitive even for domestic consumption. The water rate for municipal water in the city of San Diego is ten cents per thousand gallons.

Under present conditions these subdivisions would have a limited value per acre, considering the entire two thousand acres. It may be that Del Mar will from time to time attract new purchasers and that gradually new homes will be built there. But the portion of Del Mar that is built up is a very small fraction even of the Del Mar subdivision, and the other subdivisions further up the coast have not made as much progress as Del Mar. In my opinion a subdivision has a value as such only if there is an active market for the real estate and an active influx of people to the subdivision. Otherwise its value is purely fictitious as may be demonstrated in any of the scores of subdivision projects platted out all over the State of California but now defunct and existing only on paper. The highest actual present values will now be at Del Mar and there will be only nominal if any values in some of the other subdivisions. It must further be borne in mind that these 2406.5 acres include a great deal of beach land and cliff to which no value can be attached.

ANALYSIS OF APPRAISEMENT.

The appraisement given in the appendix includes the following:

Acres appraised at	\$	00 per acre	1,007.3 acres equals	\$	.00
" " "	25	" "	2,854.6	" "	71,365.00
" " "	30	" "	8,844.4	" "	265,332.00
" " "	40	" "	2,680.1	" "	107,204.00
" " "	50	" "	4,296.7	" "	214,835.00
" " "	60	" "	2,359.3	" "	141,558.00
" " "	100	" "	115.1	" "	11,510.00
" " "	200	" "	1,044.6	" "	208,920.00
" " "	275	" "	15.6	" "	4,290.00
			<u>23,217.7 acres</u>		<u>\$ 1,025,014.00</u>

In the acreage above listed I have run off the total acreage owned by the South Coast Land Company, the Syndicate Land Company and the Santa Fe Railroad Company and the total in these three holdings is 11,482.4 acres. In addition, by far the greatest portion of land within the subdivisions is owned in a few

holdings, notably by the South Coast Land Company, therefore I estimate that about 13,000 acres in the district as proposed to be enlarged are in three ownerships.

If we take the figures thus obtained in calculating the sixty per cent limitation upon bond issue, we get the following results.

Assume the value of the water, water rights, system of works, etc., to be the full amount of the proposed bond issue, namely \$3,250,000.00

Value of agricultural land as above determined,	<u>1,025,014.00</u>
	\$4,275,014.00

The proposed bond issue is \$3,250,000 which, to come within the sixty per cent limitation, will require a total value to be found of \$5,416,667. The 2,406.5 acres of subdivisions would therefore have to be allowed a value of \$1,141,653.00. I cannot find in them a present value in that amount.

DISCUSSION OF VALUE OF LAND WITH WATER.

The above discussion has been limited to the present value of land very little of which has any water available. We may now discuss what the values might be should water be made available to the land by the proposed system of works. Into such consideration will enter certain new factors.

In the first place the proposed system of works as contemplated in Mr. Huber's report will furnish water to a total of 16,000 acres out of the area of 25,000 acres proposed to be included within the district. The amount of water to be furnished is estimated by Mr. Huber at .8 of an acre foot for 16,000 acres.

DUTY OF WATER.

It may be remarked that .8 of an acre foot per acre is a small amount of water compared to the usual experience of requirements by other districts in California. I do not here propose to discuss whether .8 of an acre

foot per acre is an adequate amount for the development of the district; that is a matter peculiarly within the jurisdiction of the state engineer and, I understand, will be the subject of a report by Mr. Frank Adams. I would only here make the inquiry whether .8 of an acre foot per acre in an area which has a nominal rainfall of but ten inches per annum is sufficient for developing trees and maturing the fruit of lemon and deciduous fruit. I think there will be no question but that this amount of water will be wholly insufficient for the ~~production of alfalfa.~~

NATURE OF DEVELOPMENT.

With the amount of water available we may consider what will be the nature of the development of the district with the system as proposed. Mr. Huber in his report (page 4) says:

"The area to be included in the enlarged district is particularly suited to the raising of winter vegetables. Perhaps one-tenth of the total area will eventually be planted in citrus fruit. Lemons can be successfully grown. Naval oranges are not successfully grown on these lands which are so near to the coast".

Lemon production would probably be the highest agricultural development that might be expected for this land and Mr. Huber estimates that only one-tenth of the total area will eventually be planted in citrus fruits. An analysis of bank appraisements of citrus lands in southern California will show, I think, that the average value per acre given to one year old lemons in recognized citrus districts and with water actually furnished for the lands will range from \$250 to \$300 per acre. ~~Bare lands for such citrus plantings, with an adequate water supply, would~~ range from \$200 to \$250 per acre.

If the above statement is accepted, then we may estimate what would be the value of these lands for the highest agricultural development that may reasonably

be expected, of them, namely, lemon production. For the purposes of this discussion we may assume that the land and climatic conditions are suited to lemon culture, although this has not been demonstrated in this particular area, there being only two or three small and recent plantings.

DISTRIBUTING SYSTEM NOT COMPLETE.

The system of works contemplated by the proposed bond issue of \$3,250,000 does not bring water to the various tracts. The system outlined provides only for a main conduit system, which north of the San Elijo lagoon runs north through the district on rather a low level. From this level water will have to be pumped at various points up on to the high land towards the east which comprises a larger part of the district. An allowance of \$225,000 is made by Mr. Huber for the future cost of these laterals and their attendant pumping plants. From the main pipe line or from the laterals when they are constructed, each individual owner will have to conduct the water on to his own tract. A reference to the map will show at once that some of the land will have to conduct its water for a considerable distance. Such water must undoubtedly be carried in pipes and not in open ditches, for the supply available is only .8 of an acre foot per acre, the soil is generally of a very loose character so that losses by seepage and evaporation would be excessive. Obviously then the owners of land before they will be able to take advantage of the water supply, (supposing that it has been installed) will have to go to a certain expenditure to apply the water to the land. It is impossible for me to estimate what this expenditure per acre would be, but doubtless it would be considerable. The better class of development in citrus lands in southern California includes a system of water distribution to all parts of a tract through concrete pipes with standpipes at the head of each row of trees. This class of work is expensive. I am convinced that \$200 per acre would be as high a figure as could

be the rate carried by the bonds) would be \$195,000. This would be at the rate of \$7.55 per annum for each acre of land within the entire district. Of course some parts of the district would carry a heavier burden than others, for doubtless the district could not attempt to lay any such charge per acre upon the rough broken land which has little if any value. That, however, merely means that the really productive land will have to bear a greater burden. If we assume that the entire burden were borne only by the 16,000 acres for which water can be furnished, then the 16,000 would have to pay an interest charge of \$12 per annum per acre. This does not take into consideration whatever the amount may be of operating and maintenance cost. It may be observed, however, that the interest charge of \$195,000 per year when distributed over 16,000 acres receiving .8 of an acre foot per acre, makes the water cost \$15 per acre foot for interest charges alone.

HIGH COST OF SYSTEM PER ACRE

The cost per acre of the system as proposed will be the highest of any irrigation district in California of which I have knowledge. Under an issue of \$3,250,000 bonds, the cost per acre for the entire 45,840 acres would be \$125. This is charging the pro rata upon the rugged valueless land which will not have the benefit of water. If the pro rata cost of the system is limited to the 16,000 acres for which water will be available, then the cost per acre will be \$203.

The highest cost per acre of any irrigation district that has come before the commission, is that of the Lindsay Strathmore District whose bonded indebtedness amounts to a little more than \$91 per acre for the gross acreage of the district. In this instance, however, it must be borne in mind that the Lindsay Strathmore District is very well developed and highly productive, that it has been actively cultivated for years and that before the bonds were issued the district

was actually producing returns upon the land sufficient to meet the overhead carrying cost.

In the case of the Cardiff Irrigation District as proposed to be enlarged, the excessively heavy burden of cost per acre and the very high interest charge per acre from the very beginning must be met by lands for the most part unproductive.

Of course it may be argued that the entire \$3,250,000 may not be expended immediately, therefore the entire amount of bonds will not be issued and interest charges for the first few years may thereby be cut down. I understand it to be the plan not to construct the San Elijo reservoir immediately nor the so-called San Elijo high line nor the laterals and booster pumps to be installed for furnishing the higher land with water. This may all be very true but it merely means that until the works enumerated are constructed, then the area of land to be furnished with water will be correspondingly reduced. So long as the San Elijo reservoir, the San Elijo high line and the laterals and booster pumps are not installed, only the lower lands will receive water for the pipe line from the Hodges reservoir can only follow the lower level. If the three items mentioned are not constructed immediately it would mean a deferred cost, according to Mr. Huber's estimate, of \$646,265. The cost of the works immediately to be constructed or acquired would therefore be \$2,604,000 and the interest charge upon this amount at six per cent would be \$156,240 or at the rate of \$6 per acre for the gross acreage of the district.

I suggest for consideration whether one can look with much assurance for the success of a district consisting very largely of raw land, which from the very beginning must take up a burden of indebtedness of \$125 per acre for the gross acreage, and an interest charge per annum of \$7.55 per acre for the gross acreage if the system of works contemplated by the proposed bond issue is completed.

AGRICULTURE NOT PRIMARY PURPOSE.

I hazard this opinion (it is merely an opinion and worthy of consideration only as such) that the promoters of the enlargement of the Cardiff Irrigation District would hesitate to justify an expenditure of \$125 per acre for the gross acreage of the district or of \$203 for the 16,000 net acreage of the district, if such land was to be viewed solely as agricultural land. The truth of the situation as I see it is that they are not viewing it as agricultural land but as subdivision, townsit^e property, in confidence that a large population will be attracted to this area because of certain natural advantages and allurements. Such a development within a reasonable time might justify a large expenditure for water as a domestic supply rather than an irrigation project. The promoters are I think looking at this water system more as a domestic proposition than as an irrigation scheme. Mr. Huber in his report, page 3, says:

"The climate is, on the whole, so delightful that, with an ample supply of water for domestic consumption, the region will very soon become one of attractive homes and of small land holdings, almost urban in character."

I have no evidence upon which to base so positive a conclusion, but it is evidently the conclusion upon which this whole scheme is conceived. I think it is a distortion of the irrigation district law if it is made to serve in providing what is in reality intended or looked upon as a domestic supply, and I am more convinced that there would be no justification for the certification of bonds of such a district based upon the hazard of a subdivision real estate promotion scheme.

If, however, merely for the purposes of discussion we look to see what the value of the lands will be, supposing the system to be completed and the water furnished as intended, then we will get the following results:

The water supply is estimated to be sufficient to furnish .8 of an acre foot per acre for 16,000 acres. As heretofore set forth in this memorandum there are 2406 acres of land in the subdivisions, which I have not included in the classifications of agricultural land. In the case of the Los Angeles County Water Works District situated in the San Fernando valley, it was estimated that the consumption of water for agricultural purposes would just about equal the consumption of water by a well developed urban population, taking the same area in both cases. The calculations of the engineer were to the effect that should portions of these water work districts eventually develop into a well populated urban community, then the amount of water necessary for domestic purposes would be practically the same as that applied to the same area for irrigation. In the case of the Los Angeles County Water Works districts however, the amount of water proposed to be used for irrigation from the Los Angeles aqueduct was considerably more than .8 of an acre foot per acre as is the case of the Cardiff district. However, we may assume that if the 2406 acres in the subdivision will develop into a well populated urban community, then they would use at least their pro rata of .8 of an acre foot per acre. From the total of 16,000 acres for which water is available, we will then deduct 2406 acres for subdivisions leaving a net of 13,594 acres of agricultural land for which water will be available.

VALUES WITH WATER

If we allow a value of \$200 per acre for this land with water available although not actually conducted to the different parcels as discussed above, we will arrive at a total valuation of \$2,718,800. We must yet take into the calculation however, the 2406 acres in the subdivisions, but we will reject from the calculation the value of the water, water rights, system of works, etc. since if this water and

the water rights, system of works, etc. are removed from the district then the land will immediately revert to its former condition discussed in our analysis of the value of land without water. Merely for the purposes of this discussion, we may be very liberal in our estimate of the value of these 2406 acres of subdivisions, then supply of water is assured to them. We might say that these lands would then be worth \$1,000 per acre which is certainly not erring on the side of conservatism. That hypothesis would give a value of \$2,406,000 to the subdivisions which added to the value of the above estimate of the agricultural land with water, would give a total valuation of \$5,124,800. Even upon this most liberal construction values are not found sufficient for the bonded indebtedness of \$3,250,000 within the sixty per cent limitation.

CONCLUSION AND RECOMMENDATION.

It is my conclusion that there is not evidence of value in the Cardiff Irrigation District as proposed to be extended, sufficient to support an issue of \$3,250,000 bonds within the sixty per cent limitation.

It is my recommendation that the commission indicate that, in the event that application were eventually made, it would refuse to issue a report entitling bonds of the district to the amount of \$3,250,000 to certification by the state controller for the purposes defined by chapter 366 of the statutes of 1913.

Respectfully submitted

(Signed) Sylvester J. MoAtee

Dated February 12, 1918.

A P P E N D I X.

Map #5

Map	Sec.	Sec.	App. By Fletcher	No. of Acres	App. At
36	N.W.				
25	S.E.)	Clear land, easy slope	\$ 400	62.)	60.
	S.W.)			62.8)	\$ 60.
25	S.E.)				
	S.W.)				
	N.E.)				
30	N.W.	Lots 83 to 93 inclusive, cleared land easy slope	400	216.5	60.
25	N.E.)	Cut by arroyo, part on very steep hillside,			
	S.E.	part on knoll, part bottom land, appraised as whole	400	85	50.
25	S.E.)				
36	N.E.)	J.G.Slee, set out in orchard, not in very good condition	400	9.1	100.
				18.4	100.
36	N.E.	Same as above	400	21.2	100.
36	N.E.	South Coast Land Company	400	27.3	60.
"	"	" " "	"	19.1	100.
"	"	" " "	"	32.6	60.
"	"	E.W. Spaulding	400	19.1	100.
"	"	Alice M. Mitchell	400	3.3	100.
36	N.W.	August Schenk	400	5.8	100.
36	N.W.	August Schenk	400	5.7	60.
36	N.W.	F.L.Cole	400	9.1	60.
36	S.W.	August Schenk		17.3	60.
36	N.E.	Mattie M. Frazee	400	10	100.
36	N.W.	B.C. Billick	400	9.1	100.
36	S.E.	James H. Smith		30	60.
25	S.E.				
30	S.W.)	South Coast Land Company 5 lots of 9.1 acres			
	N.W.)	each and one lot of 14.2 acres, lot at west end cut by small arroyo	400	59.7	60.
30	S.W.	South Coast Land Company cut at S.W. corner by Arroyo and cut on southern edge by arroyos	400	115.1	60.
30	S.E.	South Coast Land Company rolling easy slope somewhat cut along south edge by rough ground. See picture 7	250	160.	60.
30	N.E.	South Coast Land Company cut by arroyo	250	40	60.
30	N.E.	H. Tubbs	250	40	60.
29	S.W.)	H. Tubbs rough broken land			
	N.W.)		200	120	30.
31	S.W.	South Coast Land Company water said to be available	400	52.2	200.
31	S.W.	South Coast Land Company 5 acres lemon 2 or 3 years old	500	5	275
"	"	"	500	10.5	200.

Sec.	Sec		App by Fletcher	No. of acres	App at
31	S.W.	Alex Beller truck garden with water	400	20	200.
31	S.W.	Fred Beller truck garden with water	400	10	200.
31	S.W.	Mrs. E.M.D.Ramsey & Lehman & Craig	400	20	200.
31	S.W.	Sunny Slope land	400	10	200.
31	S.E.	R.H. Wilson, rolling easy slopes	400	60.8	60.
31	S.E.) N.E.)	Holft's eucalyptus forest, trees of medium size, of doubtful present commercial value		145.3	60.
31	N.E.	Carlsbad Seaside Association, level. See picture 8,	400	38.2	60.
31	N.E.	Chas. Kreutzkamb, level	400	12	60.
31	N.E.	Alex Bellers truck garden, water	400	15	200.

Map #4

6	N.W.	Sunny Slope, water said to be available	400	15	200.
6	N.W.	Alfred Schutte water said to be available	400	21.4	200.
6	N.W.	John Pilemeyer water said to be available	400	40	200.
6	N.W.	South Coast Land Company water said to be available	400	37.9	200.
6	N.W.	Annie R. Head, water said to be available	400	11.7	200.
6	S.W.	South Coast Land Company lemon 2 yrs. old, water	590	10.6	275.
6	N.E.	South Coast Land Company truck with water	400	20	200.
"	"	" " " " " " " "	440	17.9	200.
"	"	" " " " " " " "	400	11.6	200.
6	N.E.	" " " " " " " "	400	4.4	200.
6	N.E.	O.T. & M.F. Robert truck, water	400	4.4	200.
6	N.E.	D.G. Harrington truck with water	400	9.7	200.
6	N.E.	M.A. Carr	400	3.7	200.
6	N.E.	Nancy F. Mattly, truck with water	400	2.9	200.
6	N.E.	South Coast Land Company with water	440	14.1	200.
6	N.E.	Lots 12, 13, 14, 15, 16, 17 and 18 with water	400	12.6	200.
6	N.E.	Lots 32 and 33 truck with water	400	13.2	200.
6	N.E.	Lots 30 and 31 with water	400	15.1	200.
6	S.E.	A.A. Haines cleared, apparently no water	400	7.7	200.
6	S.E.)	South Coast Land Company, water said to be available for all this land, now cleared, mostly plowed, part of it in truck			
5	N.W.)				
5	S.W.)				
7	N.E.)				
6	N.W.)		From 400 to 670		
6	S.W.)			643.6	200.
5	S.E.)	F. Jane Pritchard. This land is for the most part uncleared land. It rises to a high broken ridge on the section line between 8 and 9. 4 and 5 and runs into badly broken country in section 9 to the east. It is cut by an arroyo at the west end of section 8 and the south edges of section 8 and of sec. 9 are broken up in descending to the floor of the slough. The S.E. 1/4 of sec. 9 is broken hill country, descending into the slough. In the center of section 8 and section 5 it has considerable high land on slopes not excessive. It should be appraised as a whole. There is considerable waste land.	150 & 200	920	30.

Sec.	Sec.		App by Fletcher	No. of acres	App At
7	S.E.	) Syndicate Land Company, in mouth of lagoon and on		85	00
	S.W.	) bluff overlooking lagoon.	250	40	60.
18	N.E.	) Syndicate Land Company, land lies on easy			
	S.E.	) Slope on bluff overlooking ocean and mostly			
		west of railroad. An arroyo cuts through			
		along the railroad. Deduction would have to			
		be made for waste land from brink of bluff to			
		the main tide line. Estimate $\frac{1}{3}$ waste 55 acres		55	00.
		at nothing. Estimate clear land 112 at \$60	300	112	60.
8	S.W.	Syndicate Land Company on bluff	200	10	60.
17	N.W.	" " " clear land, easy slope	250	140	60.
17	N.E.	" " " cut by arroyo in north			
		center of quarter section, lying partly on high			
		swell, slope not excessive, partly uncleared	250	120	40.
17	S.W.	Cut by Railroad at S.W. Corner and partly by arroyo	250	160	60.
17	S.E.	Rolling land, some uncleared and somewhat rough but			
		all given maximum value	250	160	50.
16	S.W.	) Syndicate Land Company high rolling land on slopes			
	N.W.	) not excessive, uncleared	200	133	40.
16	S.W.	) Charles Kelly, rolling hill country, uncleared. The			
	S.E.	) northern part of the S.E. $\frac{1}{4}$ is rough broken hill			
		country with some waste land but give maximum value			
		for entire area	150	204	40.
16	N.E.	Rough Broken hill country with much waste	150	160	25.
20	N.W.	Syndicate Land Company, cut across by railroad			
	N.E.	and deduction to be made for waste from brink			
		of bluff to mean tide line. The rest is cleared			
		land on easy slope. The N.E. $\frac{1}{4}$ is high rolling			
		land, slopes not excessive, some rough land at east-			
		ern edge and cut by a dry swale at S.E. corner. See	250 &		
		picture 12.	300	295	50.
20	S.E.)	C.D. Hillman, cut across by dry lagoon,			
	S.W.)	some land in mouth of lagoon and on beach, waste, part			
		badly cut, estimate $\frac{1}{4}$ waste 40 acres at nothing $\frac{3}{4}$	300 &	40	00.
		cleared land 120 at 60	200	120	60.

Sec.	Sec.		App by Fletcher	No. of acres	App At
21	N.W.) S.W.)	Syndicate Land Company, part is high rolling hill, uncleared. Cut across by dry swale with wastage on slope, some broken land. See Picture 11	200	134	25.
21	N.E.) N.W.) S.E.)	Robert J. Kelly, south part is rough broken hill country with wastage, larger part is on easy slope, uncleared	150	236	25.
21	S.W.	C.D. Hillman, partly cut by arroyo and partly broken top land is cleared	200	67.5	40.
21	S.W.	Elizabeth Metcalf, high land on easy slope, little rough, partly uncleared,	200	67.5	40.
21	S.E.	J.E. McFadden, rough broken uncleared land with much waste	150	95	25.
21	S.E.	B.D. Bettleton " " " " "	150	20	25.
21	S.E.	J.E. McFadden " " " " "	150	164	25.
29	N.E.	Cora A. Taylor, cut by railroad, wastage for bluff and beach	300	25.2	50.
29	N.E.) S.E.)	Mrs. A. H. Vail, cut through by railroad, wastage for bluff and beach, mostly uncleared	300	129.4	50.
29	S.E.	Thomas W. Corby, mostly uncleared	300	17.4	50.
28	N.W.) S.W.) S.E.)	Mrs. A.H. Vail, on easy slopes, mostly uncleared	250	214.	50.
28	N.W.	Elizabeth Metcalf, ridge at east end, slopes not excessive, uncleared	250	80	50.
28	S.W.	T.W. Corby, easy slope, uncleared	250	40	50.
28	N.E.) S.E.)	Emma B. Lyman, lies on a high ridge, fairly level, uncleared, covered with heavy brush, cut along east edge by precipitous bluff	200	120	40.
28	E ½ of) H.E.)	Rough badly broken land, uncleared, much wastage	150	83.6	25.
28	S.E.	C.D. Hillman, cut on west side by precipitous bluff and on east side by rough broken steep slopes with valley in between, a small orchard in valley, much waste but give maximum value	150	80	25.
28	S.E.	L.C. Luhr, cut by precipitous bluff, much waste, some bottom land said to produce good bean crop at present, give maximum value	200	26.	50.
33	N.E.	L.C. Luhr, cut by bluff, some good top land and some good bottom land said to be suited to beans	200	34.2	50.
33	N.E.	C.D. Hillman, badly broken land	150	35.7	25.
33	N.W.	Elizabeth D. Metcalf, cleared land	250	129.9	60.
32	N.E.	Thomas W. Corby cut by railroad, by bluff and beach with little land available for agriculture	300	12.7	40.
33	S.W.	Elizabeth Metcalf, lies in mouth of lagoon	200	35	00.
33	S.W.	Cora A. Taylor, fronts on ocean, wastage for bluff and beach, little land available for agriculture but allow maximum value	300	10	40.
33	S.W.) S.E.)	South Coast Land Company, mostly clear land on easy slopes. Cut on S.E. ¼ of S.E. ¼ by precipitous bluff, then a narrow valley, then rough broken country, but give all maximum value.	250	130.1	60.

Sec.	Sec.		App. by Bletcher	No. of acres	App. At
33	S.E.	Two parcels		31.8	60.
34	S.W.	All badly broken country rising to a narrow precipitous ridge	150 150	24.1 96.3	60. 00.
34	S.E.	Narrow valley at west end, suitable for beans rising to badly broken hill country with some fairly level land on hilltop, much wastage, appraised as whole,	100	116.5	25.
34	S.E.	A.L. Baker, roughbroken hill country only nominal if any value, but give maximum	100	41.2	25.

Map #3

5	N.E.	Cora A. Taylor, on bluff overlooking beach of nominal if any agricultural value	300	24.5	50.
5	N.E.	South Coast Land Company, overlooking beach of nominal if any value	300	12.3	50.
4	S.W.	South Coast Land Company, clear land with wastage for bluff and beach	300 & 250	120	50.
4	N.E.	South Coast Land Company, west half clear land then precipitous bluff, then narrow valley and then broken tough land. See pictures 13 and 14	250	120	40.
4	S.E.	South Coast Land Company, west half clear land, some rough broken land in N.E. $\frac{1}{4}$ of S.E. $\frac{1}{4}$	250	120.6	50.
4	N.E.	Cable & Kettell, somewhat cut up but mostly on slopes not excessive	250	41.8	40.
3	N.W.	High ridge at N.W. $\frac{1}{4}$ of N.W. $\frac{1}{4}$, breaking down precipitously to a narrow arable bottom, some high level land in S.W. $\frac{1}{4}$ of N.W. $\frac{1}{4}$, E $\frac{1}{2}$ is mostly rough broken hill country, much waste, appraised as whole	150	164	25.
3	N.E.	High land, some top land on slopes not excessive, much broken and much wastage	150	164	25.
3	S.W.	W $\frac{1}{2}$ uncleared high mesa, easy slope, then breaking down sharply to narrow draw	150	164	25.
3	S.E.	Mostly badly broken hill land with some fairly level land on high mesa in S.E. corner	150	160	25.

Sec.	Sec.		App. by Fletcher	No. of acres	App. At
2	S.W.	High hill land, some level	150	40	25.
11	N.W.)	The west half. This is high land on slopes not			
	S.W.)	excessive but mostly rough uncleared mesa land	150	160	30.
10	N.E.	$\frac{1}{2}$ of N.E. $\frac{1}{4}$ broken top land, rough mostly un-			
		cleared, some fairly level	150	80	30.
10	E.E.	S.E. $\frac{1}{4}$ of N.E. $\frac{1}{4}$, N.E. $\frac{1}{4}$ of S.E. $\frac{1}{4}$ high ridge with			
		level land on top breaking down on both sides			
		probably hard to reach with water	150	80	25.
10	S.W. $\frac{1}{4}$)	Valley on easy slope between mesa	150	80	50.
	of)				
	N.E. $\frac{1}{4}$)				
	N.W. $\frac{1}{4}$)				
	of)				
	S.E. $\frac{1}{4}$)				
10	S.W. $\frac{1}{4}$)	Valley between ridges	200	40	50.
	of)				
	S.E. $\frac{1}{4}$)				
10	S.E. $\frac{1}{4}$)	Rolling hill country	150	40	30.
	of)				
	S.E. $\frac{1}{4}$)				
10	N.W.	Some level mesa land in N.W. $\frac{1}{4}$, then but by ravine 200 &		80	40/
		then though uncleared broken land. Some clear land 250		40	40.
		in the S.W. $\frac{1}{4}$ of N.W. $\frac{1}{4}$		40	30.
10	S.W.	Mostly on easy slope and mostly cleared. See picture 250 &			
		16. Cut by arroyo at west and on N.W. edge	300	158.5	50.
9	N.E.)	Fairly level mesa cut at S.E. corner by steep slope			
	E $\frac{1}{2}$)	and arroyo	300	80	60.
9	S.E.	Rough uncleared brush land on easy slope and 10			
		acres cleared and cultivated	300	151	60.
15	N.W.)	Lying partly in arroyo and badly cut			
	of)				
	N.W.)		300	40	25.
15	S.E.)	Partly rough land			
	of)				
	N.W.)			20	40.
15	S.W.)	Mostly on easy slope			
	of)				
	N.W.)		300	40	50.
15	N.W.)	H.N. Cable, lies in arroyo, cut by steep slope			
	&)		150	106.9	25.
	N.E.)				
15	N.E.	2 parcels 19 acres and 12.8 acres, in valley between			
		ridges	200	31.8	50.
15	N.E.	E $\frac{1}{2}$ in valley cut by slope	200	80	40.
15	W $\frac{1}{2}$ of)	on easy slope, mesa land	300	80	50.
	S.W. $\frac{1}{4}$)				
15	E $\frac{1}{2}$ of				
	S.W. $\frac{1}{4}$)	Mostly on easy slope, somewhat broken	250	80	50.
15	S.E.	Mesa, uncleared easy slope		160	50.
14	N.W.				

Sec	Sec		App. by Fletcher	No. of acres	App. At
14	N.W.	Broken on west by arroyo, some mesa, fairly level, uncleared. See pictures 17 and 18.	150	160	40.
14	S.W. & S.E.	) Practically all mesa land on easy slope) uncleared	150	235	50.
23	N.W.	Mesa land somewhat cut by arroyo	150	160	50.
23	S.W.	Mesa Land	200	160	50.
23	N.W. & S.E.	) Mesa land)	200	120	50.
22	E $\frac{1}{2}$ of	) Broken land			
22	N.E. & W $\frac{1}{2}$ of	) Top land, easy slope uncleared)	200	80	30.
22	N.W.	Easy slope toward ocean	250 300	80 109.8)	50.
22		Cliff and beach west of railroad		36.4	00.
27	N.E.	In valley between ridges	200	38	25.
27		Beach and in mouth of slough		20	00.
26	N $\frac{1}{2}$	Mostly mesa land, easy slope	200	320	50.
26		Part of S $\frac{1}{2}$ cut by precipitous slopes down to bottom land which is level, under cultivation, approximately 1/2 waste land	200	113.8	40.
26	S.E.	Easy slope, bottom land	200	20	50.
25	S.W.	Easy slope, bottom land	200	40	50.
25	S.E.	Easy slope, bottom land	200	35.8	50.

Map #2 and 199 acres on Map #3.

Santa Fe ranch, 6,192.8 acres, ranch is rolling hill, partly steep slopes with narrow valleys in between and partly planted to eucalyptus trees now only a few inches in diameter. The bottom land in the San Dieguito bottom is outside the line of the district. 100 6,192.8 30.

Map #2

31 N.W.) Rolling hill land with some narrow valleys between the hills 224.8 30.

Map #3

36 N $\frac{1}{2}$ of) Slopes not excessive 200 80 50.
N.W.)

36 N $\frac{1}{2}$ of) Slopes not excessive 200 80 50.
N.E.)

36 S $\frac{1}{2}$ of) Broken rough hill country with steep slopes
N $\frac{1}{2}$ all) and valleys between hills. Valleys fairly
S $\frac{1}{2}$) wide of good bottom land, probably adapted
for beans. Give value as whole 150 480 40.

35 N $\frac{1}{2}$ of) On easy slope 200 80 50.
N.E.)

35	S $\frac{1}{2}$ of) N.E.)	Badly broken hill country	200	80	25.
35	S $\frac{1}{2}$ of) N.W.)	Rolling broken hill country at east end, more level land than in the S $\frac{1}{2}$ of N.E. $\frac{1}{4}$, W $\frac{1}{4}$ slopes toward ocean	200	80	50.
35	S.E.	Valley, with sharp slopes on either side, valley suited to beans	200	160	40.
35	N $\frac{1}{2}$ of) S.W.)	Rolling hill, slopes not excessive	200	80	50.
35	S $\frac{1}{2}$ of) S.W.)	Rolling hill country, easy slopes, facing ocean	250	80	50.
34	N.E.	In mouth of slough		25	00.
34	N.E. & S.E.)	Syndicate Land Company, cut by railroad wastage for bluff and bench, overlooking ocean, top land fairly level		82	60.
34	S.E.	Jones overlooking ocean, allowance for bluff and beach		19.9	60.

Map #1

5	S.W.	Part in flat, part on steep hillside	100	40	25.
6	S.E.	Oscar Mauer, part in small valley, part on steep hillside	100	33.9	25.
6	S.E.	Santa Ana Co-operative Sugar Co. part in flat and part on steep hill	150	34.7	30
6	S.E.) N.E.)	F.Fletcher, broken hill country	100	80.2	25.
6	S.W.) N.W.) N.E.)	Sarah Hyer, broken steep hill country much waste	75	179.8	25.
6	N.E.	A.C.Wagner rolling hill, with valleys and some clear top land, see picture 22	150	123.4	30.
1	S.E.	Bella Burn rough broken hill country	100	40	25.
1	S.E.) N.E.)	Syndicate Land Company, rather broad valley and some fairly level top land, rolling country	150	200.5	30.
1	N.W.	Ida Gundrum, rather a broad valley on easy slope, cut by steep rough slopes on either side	150	161.7	30.
1	S.W.	Rachel Loring	150	20	30.
1	S.W.	Pedro Juarequia, rough broken steep hill country	100	102.5	25.
1	S.W.	5 acres		5	25.
1	S.W.				
2	S.E.) N.E.)	Jennie C. Stevens, mostly in rather broad flat valley between steep hillsides	150	120	40.
2	N.E.	Lillian Trask, high hill land	150	20.5	40.
2	N.E.	Emily Preston, on mesa, fairly easy slope	250	40	40.
2	N.E.	Syndicate Land Company, partly valley, partly broken land	150	61	40.
2	N.E.) S.W.)	W.M. Moore on high rolling land, slopes not excessive, overlooking lagoon	250	77.5	50.

Sec.	Sec.		Fletcher	acres	At
2	S.E.			22.5	50.
2	N.W.	Land on easy slope toward ocean	250	149.3	50.
2	S.W.	Land on easy slope toward ocean	250& 300	131.4	50.
3	N.E.	George H. Jones, on bluff overlooking ocean, wastage for bluff and beach		18.2	60.
3	N.E.) S.E.)	On bluff overlooking beach, much wastage		15.1	40.
11	N.W.) S.W.)	South Coast Land Company, in mouth of lagoon		111.2	00.
11	N.E.	South Coast Land Company, in mouth of lagoon		130	00.
13	N.W.	George Eaton, narrow valley between precipitous cliffs, see picture 24	200	40	25.
13	N.W.) S.W.)	W.B. Gross, in rough arroyo between precipitous slopes, see picture 24	150	80.	00.
13	N.W.) N.E.)	John Dawson, north part is on flat at edge of lagoon, south part on precipitous slopes, largely waste, see picture 24	200	80.	25.
13	N.W.) S.W.)	James H. Ackley, on mesa, top land, cleared, level (Golf course) see picture 24	200	80.	50.
13	N.E.	James H. Ackley, cut by precipices, rough land		20	25.
13	N.E.	David C. Reed, rough broken hill country	200	40	00.
13	N.E.	A.C. Welty, rough broken hill country	100	20	00.
13	N.E.) S.E.)	Sylvester Kipp, cut on north by precipices. A high rather rough ridge runs down the center, to the west of which is broad valley of rough uncleared land, running on the west at to a precipitous slope, see picture 23. Toward the east the land is on a fairly easy slope of somewhat rough uncleared land,	200	200	30.
24	N.E.	Broken on west side by precipitous cliff, then a valley on fairly easy slope, of rough uncleared land, rising to a ridge on the north center of quarter section, then down on easy slopes to some cleared land	150	160	30.
24	S.E.	E $\frac{1}{2}$ cut by steep hill on west, descending to fairly level land, cleared and cultivated	150& 200	80	40.
24	S $\frac{1}{2}$ of) S.E.)	Part on high mesa, uncleared, fairly level, cut by arroyo and part covered by cliff		86.5	30.
24	S.W.	A welter of broken gulleys and ridges cut into fantastic cliffs by erosion	200 250& 300	127.5	00.
24	N.W.) S $\frac{1}{2}$)	Cut by arroyos and cliffs, a little level land on west, and on the east on a mesa	250	80	25.
23	S.E.	Badly cut by arroyos, cliff and ridges	300	52.8	00.
23	N.E.	Cut by arroyos and cliffs, a little land on easy slope		40	25.
25	N.E.	Some mesa level land in N.W. $\frac{1}{4}$, then cut by steep slopes down to fairly level bottom land, cultivated some lying out on low flat	150& 200	155	40.
25	N.W.	J.D. Miller lying pat on low water logged land	75	30	00
14	S.E.	George R. Harrison, mesa land	300	20	50.

The total acreage of the land above tabulated is 23,217.7 acres. To this must be added 2,406.5 acres in subdivisions not included in the above tabulation, making a total acreage accounted for of 25,624.2 acres. The total acreage given in the report submitted by Mr. Huber is 25,840.8, therefore, in my tabulation there is an error of 216.6 acres not accounted for. The error is not sufficient materially to effect results.

SJMCA-HT

DESCRIPTION OF LAND OF WM. G. HENSHAW TO BE ADDED TO THE
CARDIFF IRRIGATION DISTRICT.

The Southeast 1/4 of Section 14.

The North 1/2 of the Northeast 1/4; and the West
1/2 of Section 23, all in Township 13, South, Range 3 West,
S. B. M., containing in all 560 acres, more or less.

94-1

DESCRIPTION OF THE LANDS OF THE SANTA FE LAND AND IMPROVEMENT COMPANY
TO BE ADDED TO THE CARDIFF IRRIGATION DISTRICT.

BEGINNING at the Northwest corner of Lot 3 of Section 27, Township 13 South, Range 3 West, San Bernardino Meridian, which point is the point of intersection of the East and West center line of said Section 27 with the Easterly line of Rancho San Dieguito, as shown upon page 37, Book 1, Records of San Diego County, California, filed in the office of the County Clerk of said County;

Thence Easterly along the East and West center line of said Section 27 to the East line of said Section 27;

Thence Southerly along the East line of said Section 27 to the South line of said Section 27;

Thence continuing Southerly along the East line of Section 34, Township 13 South, Range 3 West, S.B.M., to an intersection with the South line of the Northeast quarter of the Northeast quarter of said Section 34;

Thence Westerly along the South line of said Northeast quarter of the Northeast quarter of said Section 34, and the South line of Lot 1 of said Section 34 to an intersection with the Easterly line of said Rancho San Dieguito;

Thence Southerly and Southwesterly along the Easterly and Southeasterly line of said Rancho San Dieguito to an intersection with the East line of Lot 2 of Section 4, Township 14 South, Range 3 West, S.B.M.;

Thence Southerly along the East line of said Lot 2 of said Section 4 to the Southeast corner of said Lot 2;

Thence Westerly along the South line of said Lot 2 of said Section 4 to an intersection with the Southeasterly line of the said Rancho San Dieguito;

Thence Northeasterly along the Southeasterly line of said Rancho San Dieguito to an intersection with the North and South center line of said Section 4 and of said Section 4 projected upon said Rancho San Dieguito;

Thence Northerly along the North and South center line of said projected Section 4 and along the North and South center line of Section 33, Township 13 South, Range 3 West, S.B.M., if the same were projected upon said Rancho San Dieguito, to an intersection with the East and West center line of the Southwest quarter of the Northeast quarter of said projected Section 33;

- Thence Easterly along the East and West center line of the Southwest quarter of the Northeast quarter of said projected Section 33 to an intersection with the North and South center line of said Southwest quarter of the Northeast quarter of said projected Section 33;
- Thence Northerly along the North and South center line of the Southwest quarter of the Northeast quarter of said projected Section 33 to an intersection with the East and West center line of the Northeast quarter of said projected Section 33;
- Thence Easterly along the East and West center line of the Northeast quarter of said projected Section 33 to an intersection with the North and South center line of said Northeast quarter of said projected Section 33;
- Thence Northerly along the North and South center line of said Northeast quarter of said projected Section 33 to an intersection with the East and West center line of the Northeast quarter of the Northeast quarter of said projected Section 33.
- Thence Easterly along the East and West center line of said Northeast quarter of the Northeast quarter of said projected Section 33 to an intersection with the North and South center line of said Northeast quarter of the Northeast quarter of said projected Section 33;
- Thence Northerly along the North and South center line of said Northeast quarter of the Northeast quarter of said projected Section 33 to an intersection with the North line of said projected Section 33;
- Thence continuing Northerly along the North and South center line of the Southeast quarter of the Southeast quarter of Section 28, Township 13 South, Range 3 West, S.B.M., if the same were projected upon said Rancho San Dieguito, to an intersection with the East and West center line of said Southeast quarter of said projected Section 28;
- Thence Easterly along the East and West center line of said Southeast quarter of said projected Section 28 to an intersection with the East line of said projected Section 28;
- Thence Northerly along the East line of said projected Section 28 to an intersection with the East and West center line of the South half of the Northwest quarter of the Southwest quarter of Section 27, Township 13 South, Range 3 West, S.B.M., if the same were projected upon said Rancho San Dieguito;
- Thence Easterly along the East and West center line of the South half of the Northwest quarter of the Southwest quarter of said projected Section 27, to an intersection with the East line of said Northwest quarter of the Southwest quarter of said projected Section 27;
- Thence Northerly along the East line of the said Northwest quarter of the Southwest quarter of said Projected Section 27 to an intersection with the East and West center line of the North half of said

Northwest quarter of the Southwest quarter of said projected Section 27;

Thence Westerly along the East and West center line of the said North half of the Northwest quarter of the Southwest quarter of said projected Section 27 to an intersection with the West line of said projected Section 27;

Thence continuing Westerly along the East and West center line of the North half of the Northeast quarter of the Southeast quarter of Section 28, Township 13 South, Range 3 West, S.B.M., if the same were projected upon said Rancho San Dieguito, to an intersection with the North and South center line of the Southeast quarter of said projected Section 28;

Thence Northerly along the North and South center line of the Southeast quarter of said projected Section 28 to the East and West center line of the said projected Section 28;

Thence Easterly along the East and West center line of said projected Section 28 to the East line of said projected Section 28;

Thence continuing Easterly along the East and West center line of Section 27, Township 13 South, Range 3 West, S.B.M., if the same were projected upon said Rancho San Dieguito, to an intersection with the Easterly line of said Rancho San Dieguito, said point being also the Northwest corner of Lot 3 of Section 27, Township 13 South, Range 3 West, S.B.M., and the place of beginning, and containing 1058 acres, more or less.

DESCRIPTION OF LAND DEEDED BY SANTA FE LAND & IMPROVEMENT CO.
TO SAN DIEGUITO MUTUAL WATER CO. FOR SAN DIEGUITO
RESERVOIR.

Excepting from the above the following described property:

Beginning at a point whence Corner No. 7 Patent Survey of Rancho San Dieguito bears North 3° 36' East 1917.1 feet;

- Thence South 29° 54' East 124.9 feet;
- Thence South 15° 45' East 177.7 feet;
- Thence South 54° 53' East 259.7 feet;
- Thence South 42° 05' East 365.9 feet;
- Thence South 58° 50' East 254.5 feet;
- Thence South 23° 50' East 134.1 feet;
- Thence South 8° 55' East 152.5 feet;
- Thence South 28° 15' East 159.7 feet;
- Thence North 70° 57' East 82.6 feet;
- Thence North 9° 50' West 166.4 feet;
- Thence North 21° 05' East 152.8 feet;
- Thence North 35° 32' East 194.1 feet;
- Thence North 55° 53' East 174.4 feet;
- Thence North 58° 39' East 197.2 feet;
- Thence North 66° 57' East 194.1 feet;
- Thence North 66° 33' East 244.6 feet;
- Thence North 53° 57' East 243.3 feet;
- Thence North 69° 20' East 212.9 feet;
- Thence North 28° 22' East 142.3 feet;
- Thence North 3° 43' West 190.0 feet;
- Thence North 51° 53' West 128.2 feet;
- Thence North 14° 25' West 162.4 feet;
- Thence North 6° 23' West 218.7 feet;
- Thence North 33° 03' East 205.7 feet;
- Thence North 22° 12' East 214.6 feet;
- Thence North 34° 49' East 303.7 feet;
- Thence North 18° 00' West 268.8 feet;
- Thence North 30° 56' East 307.0 feet;
- Thence North 4° 24' West 148.4 feet; to a point

on the northerly line of said Rancho;

- Thence North 89° 30' West 218.7 feet;
- Thence South 32° 47' West 34.3 feet;
- Thence North 54° 33' West 50.6 feet; to a point

on the northerly line of said Rancho;

Thence North 89° 30' West 272.5 feet; to a point on the northerly line of Rancho San Dieguito, whence the Corner No. 7 of Patent Survey bears North 89° 30' West 1910.2 feet;

- Thence South 23° 38' West 133.5 feet;
- Thence South 29° 51' West 249.7 feet;
- Thence South 48° 29' West 192.0 feet;
- Thence North 38° 09' West 195.3 feet;
- Thence South 84° 40' West 29.9 feet;

Thence South 27° 28' West 289.0 feet;
Thence South 35° 35' West 260.1 feet;
Thence South 70° 51' West 257.5 feet;
Thence South 62° 52' West 204.2 feet;
Thence North 34° 34' West 308.7 feet;
Thence South 88° 14' West 29.9 feet;
Thence South 31° 01' West 203.1 feet;
Thence South 68° 30' West 258.5 feet;
Thence South 72° 50' West 190.1 feet;
Thence North 77° 15' West 276.8 feet;
Thence South 12° 45' West 879.9 feet;
Thence South 77° 15' East 337.0 feet; to point
of beginning.

Also excepting any easements for rights of way
which may have been granted to the San Dieguito Mutual Water
Company or others.

To be executed by San Dieguito Mutual Water Company.

1 The following described property situated in San Diego
2 County, California:

3 Beginning at a point whence Corner No. 7 Patent Survey
4 of Rancho San Dieguito bears North 3° 36' East 1917.1 feet;

5 Thence South 29° 54' East 124.9 feet;
6 Thence South 13° 45' East 177.7 feet;
7 Thence South 54° 53' East 259.7 feet;
8 Thence South 42° 05' East 365.9 feet;
9 Thence South 58° 50' East 254.5 feet;
10 Thence South 23° 50' East 134.1 feet;
11 Thence South 8° 55' East 152.5 feet;
12 Thence South 28° 15' East 159.7 feet;
13 Thence North 70° 57' East 82.6 feet;
14 Thence North 9° 50' West 166.4 feet;
15 Thence North 21° 05' East 152.8 feet;
16 Thence North 35° 32' East 194.1 feet;
17 Thence North 55° 53' East 174.4 feet;
18 Thence North 58° 39' East 197.2 feet;
19 Thence North 66° 57' East 194.1 feet;
20 Thence North 66° 33' East 244.6 feet;
21 Thence North 53° 57' East 243.3 feet;
22 Thence North 69° 20' East 212.9 feet;
23 Thence North 28° 22' East 142.3 feet;
24 Thence North 3° 43' West 190.0 feet;
25 Thence North 51° 53' West 128.2 feet;
26 Thence North 14° 25' West 162.4 feet;
27 Thence North 6° 23' West 218.7 feet;
28 Thence North 33° 03' East 205.7 feet;
29 Thence North 22° 12' East 214.6 feet;
30 Thence North 34° 49' East 303.7 feet;
31 Thence North 18° 00' West 268.8 feet;
32 Thence North 30° 56' East 307.0 feet;
33 Thence North 4° 24' West 148.4 feet to a point on
the northerly line of said Rancho;
Thence North 89° 30' West 218.7 feet;
Thence South 32° 47' West 34.3 feet;
Thence North 54° 33' West 50.6 feet to a point on
the northerly line of said Rancho;
Thence North 89° 30' West 272.5 feet to a point on
the northerly line of Rancho San Dieguito, whence the Corner No.
7 of Patent Survey bears North 89° 30' West 1910.2 feet;
Thence South 23° 38' West 133.5 feet;
Thence South 29° 51' West 249.7 feet;
Thence South 48° 29' West 192.0 feet;
Thence North 38° 09' West 195.3 feet;
Thence South 84° 40' West 29.9 feet;
Thence South 27° 28' West 289.0 feet;
Thence South 35° 35' West 260.1 feet;
Thence South 70° 51' West 257.5 feet;
Thence South 62° 52' West 204.2 feet;
Thence North 34° 34' West 308.7 feet;
Thence South 88° 14' West 29.9 feet;
Thence South 31° 01' West 203.1 feet;
Thence South 68° 30' West 238.5 feet;
Thence South 72° 50' West 190.1 feet;
Thence North 77° 15' West 276.8 feet;
Thence South 12° 45' West 879.9 feet;
Thence South 77° 15' East 337.0 feet to point of
beginning.

1 STATE OF CALIFORNIA,)
2 COUNTY OF LOS ANGELES,) SS.

3 On this _____ day of June, A. D. Nineteen Hundred
4 and Eighteen, before me, _____
5 a Notary Public, in and for said County, residing therein,
6 duly commissioned and sworn, personally appeared _____

7 _____
8 known to me to be the _____
9 of the Corporation that executed the within instrument, and
10 acknowledged to me that such Corporation executed the same.

11 In Witness Whereof, I have hereunto set my hand
12 and affixed my Official Seal at my office in the City of
13 Los Angeles, County and State aforesaid, the day and year in
14 this Certificate first above written.

15
16
17 _____
18 Notary Public in and for the County
19 of Los Angeles, State of California.
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DESCRIPTION OF THE LANDS OF THE SANTA FE LAND AND IMPROVEMENT COMPANY
TO BE ADDED TO THE CARDIFF IRRIGATION DISTRICT.

Lot 4 and the Southeast $\frac{1}{4}$ of the Southeast $\frac{1}{4}$ of fractional Section 22, Township 13, South, Range 3 West, S.B.M.

Lot 1, Lot 2 and the Northeast $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ and the Southeast $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ of Section 27, Township 13 South, Range 3 West, S.B.M., and containing 194 acres, more or less.

Apr 13, 1920

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DESCRIPTIONS OF THE DIVISIONS OF THE CARDIFF
IRRIGATION DISTRICT

DIVISION NO. 1.

All that portion of the Cardiff Irrigation
District as described in that certain document _____

on record in the office of the County Recorder of San
Diego County, contained within the following Sections:

25, 24, 23, 13, 14, ~~22~~, 11, 1, 2, 3, Township 14 South,
Range 4 West S.B.B.M. Also sections 5 and 6, Township
14 South, Range 3 West S.B.B.M., and those portions of
said sections 5 and 6 falling within the Rancho San Dieguito,
as shown on page 37, book 1, records of San Diego County,
California and filed in the office of the Clerk of San Diego
County, if said sections were projected upon said Rancho
San Dieguito. Also sections 32 and 31 Township 13 South,
Range 3 West S.B.B.M., and those portions of said sections
32 and 31 falling within the Rancho San Dieguito if said
sections 32 and 31 were projected upon said Rancho San
Dieguito.

Also Sections 36, 35, 34, ~~33~~, Township 13 South,
Range 4 West S.B.B.M., and the Southwest Quarter of the South-
west Quarter of section 25 and the South one-half of the South-
east Quarter of the South-east Quarter of section 26, Township
13 South, Range 4 West S.B.B.M.

DIVISION NO. 2.

All that portion of the Cardiff Irrigation District as described in that certain document

on record in the office of the County Recorder of San Diego County, contained within the following sections:

21, 26, 27, 25, 24, 23, 22, Township 13 South, Range 4 West S.B.B.M., and those portions of said Sections 25 and 24 falling within the boundaries of Rancho San Dieguito, as shown upon page 37, book 1, of the records of San Diego County, California, and filed in the office of the Clerk of said County, if said sections were projected upon said Rancho San Dieguito.

Also Sections 30, 29, 28, 27, 22, 21, 20, 19, 18, 17, 16, and 15, Township 13 South Range 3 West, S.B.B.M., if said sections were projected upon the aforesaid Rancho San Dieguito, excepting therefrom the South-west Quarter of the South-west Quarter, Section 25 and South one-half of the South-east Quarter of the South-east Quarter of Section 26, Township 13 South, Range 4 West S.B.B.M. contained in division No. 1.

DIVISION NO. 3.

All that portion of the Cardiff Irrigation District as described in that certain document on record in the office of the County Recorder of San Diego County, contained within the following sections:

Sections 14, 15, 16, 11, 10, 9, 2, 3, 4, 5 Township 13 South Range 4 West, S.B.B.M. Also Sections 34, 33, 32, 28, 29, Township 12 South, Range 4 West, S.B.B.M., and those portions of Sections 20 and 21, Township 12 South, Range 4 West, S.B.B.M. lying South of the Southerly line of the Rancho Agua Hedionda as shown upon Map No. 823, filed in the office of the Recorder of San Diego County, California, November 15th, 1896.

DIVISION NO. 4.

All that portion of the Cardiff Irrigation District as described in that certain document _____ on record in the office of the County Recorder of San Diego County, contained within the following Sections:

21, 20, 16, 17, 18, 8, Township 12 South, Range 4 West S.B.B.M., lying within the Rancho Agua Hedionda, as shown upon map No. 823 filed in the office of the recorder of San Diego County, California, November 16, 1896 if said sections were projected upon said Rancho Agua Hedionda.

Also sections 5, 6, 7, Township 12 South, Range 4 West S.B.B.M., and those portions of said sections 5, 6, 7, falling within the boundary of aforesaid Rancho Agua Hedionda if said sections were projected upon said Rancho Agua Hedionda. Also section 31, Township 11 South, Range 4 West S.B.B.M. Also sections 1 and 12, Township 12 South, Range 5 West S.B.B.M.

DIVISION NO. 5.

All that portion of the Cardiff Irrigation District as described in that certain document _____ on record in the office of the County Recorder of San Diego County, contained within the following sections:
29 and 30, Township 11 South, Range 4 West S.B.B.M. Also sections 25, 36, 38, Township 11 South; Range 5 West S.B.B.M.

DESCRIPTION OF THE LANDS OF THE SANTA FE LAND AND IMPROVEMENT COMPANY
TO BE ADDED TO THE CARDIFF IRRIGATION DISTRICT.

BEGINNING at the intersection of the North and South center line of the West half of Section 5, Township 14 South, Range 3 West, San Bernardino Meridian, with the East and West center line of the Northwest quarter of said Section 5, if the said Section 5 were projected upon the Rancho San Dieguito, as shown upon page 37, Book 1, Records of San Diego County, California, and filed in the office of the Clerk of said County;

Thence Northerly along the said North and South center line of the West half of said projected Section 5 to the North line of said projected Section 5;

Thence continuing Northerly along the North and South center line of the Southwest quarter of Section 32, Township 13 South, Range 3 West, S.B.M., if the same were projected upon the said Rancho San Dieguito, to the center of the Southwest quarter of said projected Section 32;

Thence Easterly along the East and West center line of the Southwest quarter of said projected Section 32 to the North and South center line of said projected Section 32;

Thence Northerly along the North and South center line of said projected Section 32 to the center of said Section 32;

Thence Easterly along the East and West center line of said projected Section 32 to an intersection with the North and South center line of the Northeast quarter of said projected Section 32;

Thence Northerly along the North and South center line of the Northeast quarter of said projected Section 32 to the North line of said projected Section 32;

Thence continuing Northerly along the North and South center line of the Southeast quarter of Section 29, Township 13 South, Range 3 West, S.B.M., if the same were projected upon said Rancho San Dieguito, to the center of the Southeast quarter of said projected Section 29;

Thence Easterly along the East and West center line of the Southeast quarter of said projected Section 29 to the east line thereof;

Thence Southerly along the East line of said projected Section 29 to an intersection with the East and West center line of the Southeast quarter of the Southeast quarter of said projected Section 29;

Thence Westerly along the East and West center line of the Southeast quarter of the Southeast quarter of said projected Section 29 to an intersection with the North and South center line of the said Southeast quarter of the Southeast quarter of said projected Section 29;

- Thence Southerly along the North and South center line of the said Southeast quarter of the Southeast quarter of the said projected Section 29 to an intersection with the South line of said projected Section 29;
- Thence Westerly along the South line of said projected Section 29 to a point distant nine hundred ninety (990) feet westerly from the Northeast corner of Section 32, Township 13 South, Range 3 West, S.B.M., if the same were projected upon said Rancho San Dieguito;
- Thence Southerly parallel with and distant nine hundred ninety (990) feet Westerly from the East line of said projected Section 32 to an intersection with the East and West center line of the Northeast quarter of said projected Section 32;
- Thence Easterly along the East and West center line of the Northeast quarter of said projected Section 32 to an intersection with the North and South center line of the East half of the East half of said projected Section 32;
- Thence Southerly along the North and South center line of the East half of the East half of said projected Section 32 to an intersection with the East and West center line of the South half of the Northeast quarter of the Southeast quarter of said projected Section 32;
- Thence Westerly along the East and West center line of the South half of the Northeast quarter of the Southeast quarter of said projected Section 32 to an intersection with the North and South center line of the said Southeast quarter of said projected Section 32;
- Thence Southerly along the North and South center line of the Southeast quarter of said projected Section 32 to an intersection with the East and West center line of the Southwest quarter of said Southeast quarter of said projected Section 32;
- Thence Westerly along the East and West center line of the Southwest quarter of the Southeast quarter of said projected Section 32 to an intersection with the North and South center line of the said Southwest quarter of the Southeast quarter of said projected Section 32;
- Thence Southerly along the North and South center line of the said Southwest quarter of the Southeast quarter of said projected Section 32 to the South line of said projected Section 32;
- Thence Westerly along the South line of said projected Section 32 to an intersection with the North and South center line of the Northeast quarter of the Northwest quarter of Section 5, Township 14 South, Range 3 West, S.B.M., if the same were projected upon said Rancho San Dieguito;

Thence Southerly along the North and South center line of the said Northeast quarter of the Northwest quarter of said projected Section 5 to an intersection with the East and West center line of the Northwest quarter of said projected Section 5;

Thence Westerly along the East and West center line of the Northwest quarter of said projected Section 5 to an intersection with the North and South center line of the West half of said projected Section 5, and the place of beginning, and containing 205 acres, more or less.

Description of
Syndicate Lands
Chas Kelly
Robert Kelly
F. James Richards

Furnished to Tom Cullen as president of the
Cardiff Immigration District.

SYNDICATE LAND IN RANCHO AGUA HEDIONDA.

Beginning at the southwest corner of Rancho Agua Hedionda, being corner Number 6 as shown upon the map referred to in patent issued by the United States to the heirs of Juan Maria Marron, deceased, and recorded in Book 1 of Patents at page 150 et seq., in the office of the Recorder of San Diego County, California;

Thence North 89° 59' East along the south line of said Rancho 5,317.58 feet;

Thence North 0° 22' West to an intersection with the east and west center line of Section 16, Township 12 South, Range 4 West, San Bernardino Meridian, if the same were projected upon said Rancho;

Thence westerly along the east and west center line of said projected Section 16 to an intersection with the north and south center line of the west half of said projected Section;

Thence northerly along the north and south center line of the west half of said projected Section 16 to an intersection with the east and west center line of the southwest quarter of the northwest quarter of said projected section;

Thence westerly along the east and west center line of the southwest quarter of the northwest quarter of said projected Section 16 to the west line thereof;

Thence northerly along the west line of said projected Section 16 to an intersection with the east and west center line of the north half of the north half of Section 17, township and range aforesaid; if the same were projected upon said Rancho Agua Hedionda;

Thence westerly along the east and west center line of the north half of the north half of said projected Section 17 to an intersection with the north and south center line of the northwest quarter of said projected Section;

Thence northerly along the north and south center line of the northwest quarter of said projected Section 17 and along the north and south center line of the southwest quarter of Section 8, Township and Range aforesaid, if the same were projected upon Rancho Agua Hedionda, to an intersection with the east and west center line of the south half of south half of the southwest quarter of the southwest quarter of said projected Section 8;

Thence westerly along the east and west center line of the south half of the southwest quarter of the southwest quarter of said projected Section 8 to the west line thereof;

Thence northerly along the west line of said projected Section 8 to an intersection with the east and west center line of the southeast quarter of Section 7, Township and Range aforesaid, if the same were projected upon Rancho Agua Hedionda;

SYNDICATE LAND IN RANCHO AGUA HEDIONDA
(page 2)

Thence westerly along the east and west center line of the southeast quarter of said projected Section 7 to an intersection with the westerly line of right of way of the Atchison, Topeka and Santa Fe Railway Company;

Thence northwesterly along the said westerly line of right of way to an intersection with the northerly line of Lot "H" of Rancho Agua Hedionda, as shown on Map Number 823 filed in the office of the County Recorder;

Thence westerly along the said northerly line of Lot "H" to the mean high tide line of the Pacific Ocean;

Thence in a general southeasterly direction following the meanderings of the said mean high tide line to the point of beginning.

ROBERT J. KELLY

Beginning at the intersection of the South line of Rancho Agua Hedionda as shown upon Map 823, filed in the office of the Recorder of San Diego County, California, November 16, 1896, with the east line of Section 21, Township 12 South, Range 4 West, S.B.B.M.;

Thence northerly along the east line of Sections 21 and 16, Township 12 South, Range 4 West, S.B.B.M, if the said sections were projected upon the said Rancho Agua Hedionda, to an intersection with the northerly line of Lot G of Rancho Agua Hedionda as shown on Map Number 823 filed in the office of the County Recorder of San Diego County;

Thence westerly along the northerly line of said Lot G to the westerly line thereof;

Thence Southerly along the westerly line of said Lot G to the Southerly line of the said Rancho Agua Hedionda;

Thence Easterly along the Southerly line of the said Rancho Agua Hedionda to an intersection with the east line of Section 21, Township 12 South, Range 4 West, S.B.B.M., and the place of beginning.

CHARLES KELLY

Beginning at the intersection of the Southerly line of Lot F of Rancho Agua Hedionda, as shown on Map Number 823, filed in the office of the County Recorder of San Diego County, California, November 16, 1896, with the East line of Section 16, Township 12 South, Range 4 West, S.B.B.M., if the same were projected upon the said Rancho Agua Hedionda;

Thence Northerly along the east line of the said Section 16 to the Northeast corner thereof;

Thence westerly along the North line of said Section 16 to an intersection with the North and South center line of said Section;

Thence Southerly along the said North and South center line of said Section to the center of said Section 16;

Thence Westerly along the east and West center line of said Section 16 to an intersection with the westerly line of said Lot F;

Thence Southerly along the westerly boundary of said Lot F to the Southerly line thereof;

Thence Easterly along the Southerly line of said Lot F to the East line of said Section 16 and the place of beginning.

F. Jane Pritchard

Beginning at the Southeast corner of Section 9, Township 12 South, Range 4 West, S.B.B.M., if the said Section were projected upon the Rancho Agua Hedionda;

Thence Northerly along the east line of said Section 9 to the East and West center line of said Section;

Thence Westerly along the east and west center line of said Section 9 to the North and South center line of the Southeast quarter of said Section;

Thence Southerly along the North and South center line of the Southeast quarter of said Section 9 to the East and West center line of the Northwest quarter of the Southeast quarter of said Section;

Thence westerly along the east and west center line of the Northwest quarter of the Southeast quarter of said Section 9 to the North and South center line of said Section;

Thence Southerly along the North and South center line of said Section 9 to the South line thereof;

Thence Easterly along the south line of said Section 9 to the southeast corner thereof and the place of beginning.

Again beginning at the intersection of the Southeasterly line of Tract 238 of Thum Lands as shown upon Map Number 1681 filed for record in the office of the Recorder of San Diego County, California, December 9, 1915, with the East and West center line of the Southwest quarter of the Northwest quarter of Section 8, Township 12 South, Range 4 West, S.B.B.M., if the said Section 8 were projected upon the Rancho Agua Hedionda;

Thence in an easterly direction along the east and west center line of the Southwest quarter of the Northwest quarter of said Section 8 to the North and South center line of the West half of said Section;

Thence in a Southerly direction along the north and South center line of the west half of said Section 8 to an intersection with the northerly line of Lot H of Rancho Agua Hedionda as the same is shown upon Map Number 823, filed in the office of the Recorder of San Diego County, California, November 16, 1896;

Thence in an easterly direction along the Northerly line of said Lot H to an intersection with the East and West center line of the North half of the South half of said Section 8;

F. Jane Pritchard
(page 2)

Thence easterly along the east and west center line of the North half of the South half of said Section 8 to the North and South center line of the Southeast quarter of said Section;

Thence Southerly along the north and south center line of the southeast quarter of said Section 8 to the east and west center line of the said Southeast quarter;

Thence easterly along the East and West center line of the Southeast quarter of said Section 8 to the east line thereof;

Thence Northerly along the east line of said Section 8 to the East and West center line of said Section;

Thence easterly along the east and west center line of Section 9, Township 12 South, Range 4 West, S.B.B.M., if the same were projected upon the said Rancho Agua Hedionda, to the North and South center line of the west half of said Section;

Thence northerly along the North and South center line of the Northwest quarter of said Section 9 to the East and West center line of the Southeast quarter of the Northwest quarter of said Section;

Thence Easterly along the east and west center line of the Southeast quarter of the Northwest quarter of said Section 9 to the North and South center line of said Section;

Thence Northerly along the North and South center line of said Section 9 to the east and West center line of the North half of said Section;

Thence Easterly along the East and West center line of the North half of said Section 9 to the North and South center line of the Northeast quarter of said Section;

Thence northerly along the North and South center line of the Northeast quarter of said Section 9 to an intersection with the southerly line of Lot "E" of said Rancho Agua Hedionda;

Thence westerly and Northwesterly along the Southerly and Westerly line of said Lot "E" to the most westerly corner of said Lot;

Thence westerly along the Northerly line of Lot "I" of said Rancho Agua Hedionda to an intersection with the Easterly line of Tract 256 of said Thum Lands;

Thence Southwesterly along the Southeasterly lines of Tracts

F. Jane Pritchard
(page 3)

256, 251, 247, 243 and 238 of said Thum lands to an intersection with East and West center line of the Southwest quarter of the Northwest quarter of Section 8, Township 12 South, Range 4 West, S.B.B.M., and the place of beginning.

[see FAUNE, F.M.
MAY 16 1919] Page 1.
CSM

DESCRIPTION OF LANDS TO BE ADDED TO THE CARDIFF IRRIGATION DISTRICT

All the lands situated in San Diego County, California, contained within the exterior boundaries described as follows:

Commencing at the northeast corner of Section 17, Township 14 South, Range 3 West, San Bernardino Meridian;

Thence in a westerly direction along the north line of said Section 17 to the northwest corner thereof;

Thence in a northerly direction along the east line of Section 7, Township and Range aforesaid, to the one-quarter section corner on the east line of said Section 7;

Thence in a westerly direction along the east and west center lines of Section 7, Township 14 South, Range 3 West, and of Section 12, Township 14 South, Range 4 West, San Bernardino Meridian, to the center of said Section 12;

Thence in a southerly direction along the north and south center line of said Section 12 to the one-quarter section corner on the south line of said section;

Thence in a westerly direction along the south line of said Section 12 to the southwest corner thereof;

Thence in a northerly direction along the west line of said Section 12 a distance of 3,300 feet;

Thence in a westerly direction parallel to the north line of Section 11, Township 14 South, Range 4 West, San Bernardino Meridian, 660 feet;

Thence in a northerly direction parallel to the east line of said Section 11 to a point on the north line thereof and distant 660 feet west of the northeast corner of said section;

Thence in an easterly direction along the north line of Sections 11 and 12, Township and Range last aforesaid, to a point distant 1,320 feet east of the northwest corner of said Section 12;

Thence in a northerly direction parallel to the west line of Section 1, Township and Range last aforesaid, a distance of 660 feet;

Thence in an easterly direction parallel to the south line of said Section 1 to a point on the north and south center line of said Section;

Thence in a northerly direction along the north and south center line of said Section 1 to a point distant 1,320 feet north of the south line of said Section;

- Thence in an easterly direction parallel to the south line of Section 1, Township 14 South, Range 4 West, and of Sections 5 and 6, Township 14 South, Range 3 West, San Bernardino Meridian, to a point distant 1,320 feet east of the west line of said Section 5;
- Thence in a northerly direction parallel to the west line of said Section 5 to a point distant 1,320 feet north of the south line of Township 13 South, Range 3 West, San Bernardino Meridian, produced across the Rancho San Dieguito;
- Thence in an easterly direction parallel to the said township line produced a distance of 1,320 feet;
- Thence in a northerly direction along the north and south center line of Section 32, Township and Range last aforesaid, if said section were projected upon the Rancho San Dieguito, to the center of said projected Section 32;
- Thence in an easterly direction parallel to the aforementioned produced south line of township 13 South, Range 3 West, San Bernardino Meridian, a distance of 1,320 feet;
- Thence in a northerly direction parallel to the east line of said projected section 32 a distance of 3,960 feet;
- Thence in an easterly direction parallel to said produced south line of Township 13 South, Range 3 West, San Bernardino Meridian, a distance of 5,280 feet;
- Thence in a northerly direction parallel to the east line of Section 28, Township and Range last aforesaid, if said section were projected upon the Rancho San Dieguito, a distance of 1,320 feet;
- Thence in an easterly direction to a point on the easterly line of the Rancho San Dieguito, said point being the intersection of the east and west center line of Section 27, Township and Range last aforesaid, with the said easterly line of Rancho San Dieguito as shown upon page 37, book 1, records of San Diego County, California, and filed in the office of the Clerk of said County;
- Thence in a northerly direction along the said easterly line of Rancho San Dieguito to a point distant 330 feet north of and measured at right angles to the south line of Section 22, township and range last aforesaid;
- Thence in an easterly direction parallel to the south line of said Section 22 to a point distant 1,650 feet west of the east line of said section;
- Thence in a northerly direction parallel to the east line of said Section 22 a distance of 330 feet;

- Thence in an easterly direction parallel to the south line of said Section 22 a distance of 330 feet;
- Thence in a northerly direction parallel to the east line of said Section 22 a distance of 660 feet;
- Thence in an easterly direction parallel to the south line of Sections 22 and 23, Township and Range last aforesaid, a distance of 2,310 feet;
- Thence in a northerly direction parallel to the west line of said Section 23 a distance of 330 feet;
- Thence in an easterly direction parallel to the south line of said Section 23 a distance of 330 feet;
- Thence in a northerly direction parallel to the west line of said Section 23 a distance of 330 feet;
- Thence in an easterly direction parallel to the west line of said Section 23 a distance of 330 feet;
- Thence in a northerly direction parallel to the west line of said Section 23 a distance of 660 feet to the west and west center line of said Section;
- Thence in an easterly direction along the east and west center line of said Section 23 a distance of 330 feet to a point on said east and west center line distant 660 feet west of the center of said Section;
- Thence in a northerly direction parallel to the north and south center line of said Section 23 a distance of 660 feet;
- Thence in an easterly direction parallel to the east and west center line of said Section 23 a distance of 165 feet;
- Thence in a northerly direction parallel to the north and south center line of said Section 23 a distance of 660 feet;
- Thence in an easterly direction parallel to the north line of said Section 23 a distance of 165 feet;
- Thence in a northerly direction parallel to the north and south center line of said Section 23 a distance of 660 feet;
- Thence in an easterly direction parallel to the north line of said section 23 a distance of 330 feet to a point on the north and south center line of said section;
- Thence in a northerly direction along the north and south center line of said Section 23 a distance of 660 feet to the one-quarter section corner on the north line of said section;

Thence in a westerly direction along the north line of said section 23 a distance of 825 feet;

Thence in a southerly direction parallel to the north and south center line of said Section 23 a distance of 330 feet;

Thence in a westerly direction parallel to the north line of said Section 23 a distance of 330 feet;

Thence in a southerly direction parallel to the north and south center line of said Section 23 a distance of 330 feet;

Thence in a westerly direction parallel with the north line of said Section 23 a distance of 825 feet;

Thence in a southerly direction parallel to the west line of said Section 23 a distance of 165 feet;

Thence in a westerly direction parallel to the north line of said Section 23 a distance of 660 feet;

Thence in a southerly direction along the west line of said Section 23 a distance of 495 feet;

Thence in a westerly direction parallel to the north line of Section 22, Township 13 South, Range 3 West, San Bernardino Meridian, a distance of 1,320 feet;

Thence in a northerly direction parallel to the east line of said Section 22 a distance of 330 feet;

Thence in westerly direction parallel to the north line of said Section 22 a distance of 660 feet;

Thence in a northerly direction parallel to the east line of said Section 22 a distance of 330 feet;

Thence in a westerly direction parallel to the north line of said Section 22 to an intersection with the easterly line of the Rancho San Dieguito, said easterly line being as shown on page 37, book 1, records of San Diego County, California, filed in the office of the Clerk of said County;

Thence in a northerly direction along said easterly line of Rancho San Dieguito to the northeast corner of said Rancho;

Thence in a westerly and northwesterly direction along the northerly line of said Rancho San Dieguito to an intersection with the easterly line of Rancho Los Encinitas, as the same is shown upon Map Number 848, filed for record June 27, 1898, in the office of the Recorder of San Diego County, California;

Thence in a northerly direction along the said easterly line of Rancho Los Encinitas to the northeast corner of Lot 25 of

Subdivision of Rancho Los Encinitas, as the same is shown upon Map Number 848, Records of San Diego County, California, filed in the office of the Recorder of said County;

Thence in a westerly direction along the northerly line of said Lot 25 to an intersection with the easterly line of Block 91 of Colony Olivenhain as the same is shown upon Map Number 326, Records of San Diego County, California, filed in the office of the Recorder of said County, July 8, 1885;

Thence in a southwesterly direction along the easterly line of said Block 91 to the southeast corner thereof;

Thence in a northwesterly direction along the southerly line of Blocks 90 and 91 of said Colony Olivenhain to the southwest corner of said Block 90;

Thence in a southwesterly direction along the easterly line of Block 85 of said Colony Olivenhain to the northwest corner of Block 80 of said Colony Olivenhain;

Thence in a southeasterly direction along the northerly line of said Block 80 to the northeast corner thereof;

Thence in a southwesterly direction along the easterly line of said Block 80 to the southeast corner thereof;

Thence in a northwesterly direction along the southerly line of said Block 80 and the said southerly line produced westerly to the southeast corner of Block 79 of said Colony Olivenhain;

Thence in a southwesterly direction along the easterly line of Blocks 49, 58 and 68 of said Colony Olivenhain to the southeast corner of said Block 49;

Thence in a northwesterly direction along the southerly line of Blocks 47, 48 and 49 of said Colony Olivenhain to the southwest corner of said Block 47;

Thence in a southwesterly direction parallel to the easterly line of Block 40 of said Colony Olivenhain to an intersection with the southerly line of said Block 40 if produced easterly;

Thence in a southeasterly direction along the southerly line produced of said Block 40 to an intersection with the northwesterly line of Rancho San Dieguito as shown on page 37, book 1, records of San Diego County, California, filed in the office of the Clerk of said County;

Thence in a southwesterly direction along the northwesterly line of said Rancho San Dieguito to the northwest corner of said Rancho San Dieguito, said northwest corner being also the most southerly corner of Rancho Los Encinitas;

Thence in a southerly direction along the westerly line of said Rancho San Dieguito to an intersection with the east and west center line of Section 25, Township 13 South, Range 4 West, San Bernardino Meridian;

Thence in a westerly direction along the east and west center line of said section 25 to a point distant 990 feet east of the center of said section;

Thence in a southerly direction parallel to the north and south center line of said section 25 a distance of 1,320 feet;

Thence in an easterly direction parallel to the south line of said Section 25 a distance of 330 feet;

Thence in a southerly direction parallel to the north and south center line of said section 25 a distance of 660 feet;

Thence in an easterly direction parallel to the south line of said section 25 to an intersection with the southwesterly line of Rancho San Dieguito as shown on page 37, book 1, records of San Diego County, California, filed in the office of the Clerk of said County;

Thence in a southeasterly direction along the southwesterly line of said Rancho San Dieguito to an intersection with the east line of Section 25, Township 13 South, Range 4 West, San Bernardino Meridian;

Thence in a southerly direction along the east line of said Section 25 to the southeast corner thereof;

Thence in a westerly direction along the south line of said Section 25 a distance of 3,960 feet;

Thence in a northerly direction parallel to the west line of said section 25 a distance of 1,320 feet;

Thence in a westerly direction parallel to the south line of said section 25 to a point on the west line thereof;

Thence in a southerly direction along the west line of said section 25 a distance of 660 feet;

Thence in a westerly direction parallel to the south line of Section 26, Township and Range last aforesaid, a distance of 1,320 feet;

Thence in a southerly direction parallel to the east line of said Section 26 to the south line thereof;

Thence in a westerly direction along the south line of said Section 26 to the one-quarter section corner on the south line of said section;

Thence in a southerly direction along the north and south center line of Section 35, Township and Range last aforesaid, a distance of 1,320 feet;

Thence in a westerly direction parallel to the north line of Sections 34 and 35, Township and Range last aforesaid, to a point distant 50 feet westerly from and measured at right angles to the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;

Thence in a northwesterly direction parallel to the center line of said main track and distant 50 feet therefrom to an intersection with the north line of said Section 34;

Thence in a westerly direction along the north line of said Section 34 to a point distant 1,320 feet west of the northeast corner of said section;

Thence in a northerly direction parallel to the east line of Section 27, Township and Range last aforesaid, to an intersection with a line drawn 50 feet westerly from and measured at right angles to the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;

Thence in a northwesterly direction parallel to the center line of said main track and distant 50 feet westerly therefrom to a point distant 1320 feet south of the east and west center line of said Section 27;

Thence in an easterly direction parallel to the east and west center line of said Section 27 to a point 1,320 feet west of the east line of said Section;

Thence in a northerly direction parallel to the east line of said Section 27 to an intersection with the east and west center line thereof;

Thence in an easterly direction along the east and west center line of said Section 27 to the one-quarter section corner on the east line of said Section;

Thence in a southerly direction along the east line of said Section 27 to an intersection with the north line of the County Highway, known as "A" line of New Survey No. 159, a map of which is on file in the office of the Surveyor of San Diego County, California;

Thence along the northerly line of the said County Highway in a direction, the general trend of which is easterly, to an intersection with the east and west center line of Section 26, Township and Range last aforesaid;

Thence in an easterly direction along the east and west center line of said Section 26 to the one-quarter section corner on the east line thereof;

Thence in a northerly direction along the east line of said Section 26 to the northeast corner thereof;

Thence in a westerly direction along the north line of said Section 26 a distance of 1,320 feet;

Thence in a northerly direction parallel to the east line of Section 23, Township and Range last aforesaid, to an intersection with the east and west center line of said Section;

Thence in a westerly direction along the said east and west center line a distance of 660 feet;

Thence in a northerly direction parallel to the north and south center line of said Section 23 to an intersection with the north line of said Section;

Thence in an easterly direction along the north line of Sections 23 and 24, Township and Range last aforesaid, to an intersection with the westerly line of Rancho Los Encinitas as the same is shown upon Map Number 848, Records of San Diego County, California, filed in the office of the Recorder of said County, June 27, 1898;

Thence in a southeasterly direction along the said westerly line of Rancho Los Encinitas to an intersection with the southerly line of First Street, produced westerly, of Colony Olivenhain, as the same is shown upon Map Number 326, Records of San Diego County, California, filed in the office of the Recorder of said County, July 8, 1885;

Thence in a southeasterly direction along the said southerly line of First Street produced to an intersection with the easterly line of "B" Street of said Colony Olivenhain;

Thence in a northeasterly direction along the said easterly line of "B" Street to the southwest corner of Block 6 of said Colony Olivenhain;

Thence in a northwesterly direction along the south line of Block 96 of said Colony Olivenhain and said south line produced westerly to an intersection with the easterly line of Colony Avenue produced southerly of said Colony Olivenhain;

Thence in a northeasterly direction along the said east line and the east line produced of Colony Avenue to an intersection with the southerly line of Sixth Street, produced westerly, of said Colony Olivenhain;

Thence in a southeasterly direction along the said produced southerly line of Sixth Street to an intersection with the easterly line of "A" Street, produced southerly, of said Colony Olivenhain;

Thence in a northeasterly direction along the said produced easterly line of "A" Street to the northeast corner of Lot 24 of said Rancho Los Encinitas;

Thence in a westerly direction along the north line of said Lot 24 to the northwest corner thereof;

Thence in a northerly direction along the east line of Lot 20 of said Rancho Los Encinitas to the northeast corner thereof;

Thence in a westerly direction along the north line of said Lot 20 to the northwest corner thereof;

Thence in a northerly direction along the east line of Lot 12 of said Rancho Los Encinitas a distance of 1,320 feet;

Thence in a westerly direction parallel to the north line of said Lot 12 to an intersection with the west line thereof;

Thence in a southerly direction along the west line of said Lot 12 to an intersection with the westerly line of said Rancho Los Encinitas;

Thence in a southeasterly direction along the said westerly line of Rancho Los Encinitas to an intersection with the east and west center line of Section 13, Township 13 South, Range 4 West, San Bernardino Meridian;

Thence in a westerly direction along the east and west center line of Sections 13 and 14, Township and Range last aforesaid, to the center of said Section 14;

Thence in a northerly direction to the one-quarter section corner on the north line of said Section 14;

Thence in a westerly direction along the north line of said Section 14 a distance of 1,320 feet;

Thence in a northerly direction parallel to the westerly line of Sections 2 and 11, Township and Range last aforesaid, to the northeast corner of the southwest quarter of the southwest quarter of said Section 2;

Thence in a westerly direction parallel to the south line of said Section 2 to an intersection with the west line of said section;

Thence in a northerly direction along the west line of said Section 2 to the northwest corner thereof;

Thence in a westerly direction along the line between Townships 12 and 13 South to the southeast corner of Section 34, Township 12 South, Range 4 West, San Bernardino Meridian;

Thence in a northerly direction along the east line of said Section 34 to the northeast corner of Lot 8 of said Section;

Thence in a westerly and southwesterly direction along the northerly lines of Lots 5, 6, 7 and 8 of said Section 34 to the west line of said section;

Thence in a westerly, northwesterly, and southwesterly direction along the northerly lines of Lots 7, 8, 9 and 10 of Section 35, Township and Range last aforesaid, to the mean high tide line of the Pacific Ocean;

Thence in a southerly and southeasterly direction, following the meanderings of the said mean high tide line, to an intersection with the northerly limits of the City of San Diego;

Thence in a southeasterly direction along the said northerly limits of the City of San Diego to an intersection with the east and west center line of Section 25, Township 14 South, Range 4 West, San Bernardino Meridian;

Thence in an easterly direction along the east and west center line of Section 25, Township and Range last aforesaid and of Section 30, Township 14 South, Range 3 West, San Bernardino Meridian, to the center of said Section 30;

Thence in a northerly direction along the north and south center line of said Section 30 a distance of 1,320 feet;

Thence in an easterly direction to the southeast corner of the northeast quarter of the northeast quarter of said Section 30;

Thence in a northerly direction along the east line of Sections 19 and 30, Township and Range last aforesaid, to a point on the east line of said Section 19 distant 297 feet south from the one-

quarter section corner on the east line of said Section;

Thence in a northeasterly direction 660 feet to a point distant 197.8 feet south of the east and west center line of Section 20;

Thence north to an intersection with the east and west center line of said Section 20;

Thence in an easterly direction along the east and west center line of said Section 20 to the center thereof;

Thence in a northerly direction along the north and south center line of said Section 20 a distance of 1,320 feet;

Thence in an easterly direction to the southeast corner of the northeast quarter of the northeast quarter of said Section 20;

Thence in a northerly direction along the east line of Sections 17 and 20, Township and Range last aforesaid, to the northeast corner of Section 17 and the point of beginning.

Excepting from the above described area the lands contained within the boundaries described as follows:

Beginning at the northwest corner of Section 21, Township 13 South, Range 4 West, San Bernardino Meridian;

Thence in an easterly direction along the north line of said Section 21 to the northeast corner thereof;

Thence in a northerly direction along the west line of Section 15, Township and Range aforesaid, to the northwest corner of the southwest quarter of the southwest quarter of said section;

Thence in an easterly direction, along the south one-quarter one-quarter section line of said section to an intersection with the north and south center line of the southwest quarter of the southeast quarter of said Section 15;

Thence in a southerly direction along the north and south center line of the southwest quarter of the southeast quarter of said Section 15 and of the northwest quarter of the northeast quarter of Section 22, Township and Range aforesaid, to an intersection with the north one-quarter one-quarter section line of said section;

Thence in an easterly direction along the said north one-quarter one-quarter section line to the northeast corner of the southwest quarter of the northeast quarter of said section;

Thence in a southerly direction along the east one-quarter one-quarter section line of said Section 22 to the east and west center line of said section;

Thence in an easterly direction along the said east and west center line to the one-quarter section corner on the east line of said Section 22;

Thence in a southerly direction along the east line of Sections 22 and 27, Township and Range aforesaid to an intersection with the east and west center line of the southwest quarter of the northwest quarter of Section 26, Township and Range aforesaid;

Thence in an easterly direction along the east and west center line of the southwest quarter of the northwest quarter of said Section 26, to an intersection with the west one-quarter one-quarter section line of said section;

Thence in a southerly direction along the west one-quarter one-quarter section line of said Section 26 to an intersection with the east and west center line of said section;

Thence in an easterly direction along the east and west center line of said section 26 to an intersection with the north line of the County Highway, known as "A" line of New Survey No. 139, a map of which is on file in the office of the Surveyor of San Diego County, California;

Thence along the north line of said County Highway in a general westerly direction to an intersection with the east line of Section 27, Township and Range aforesaid;

Thence in a northerly direction along the east line of said Section 27 to the one-quarter section corner on the east line thereof;

Thence in a westerly direction along the east and west center line of said Section 27 to the northwest corner of the northeast quarter of the southeast quarter of said section;

Thence in a southerly direction along the east one-quarter one-quarter section line of said section 27 to the southwest corner of the northeast quarter of the southeast quarter of said Section;

Thence in a westerly direction along the south one-quarter one-quarter section line of said Section 27 to the west line thereof;

Thence in a northwesterly direction along the west line of said Section 27 to the northwest corner thereof;

Thence in an easterly direction along the north line of said Section 27 to an intersection with the east line of the State Highway;

Thence in a northwesterly direction along the east line of the State Highway to its intersection with the east line of Section 21, Township and Range aforesaid;

Thence in a southerly direction along the east line of said Section 21 to the southeast corner thereof;

Thence in a northwesterly direction along the southwesterly line of said section 21 to the northwest corner thereof and the place of beginning.

Excepting from the last described area the northeast quarter of the northwest quarter, and the east half of the southeast quarter of the northwest quarter of Section 22, Township and range aforesaid.

Tracts of land situated in San Diego County, California,

described as follows:

North 7 acres of Lot 10 of Section 33, Twp 12 S, Range 4 W., S.B.M.
 N $\frac{1}{2}$ of SE $\frac{1}{4}$ of SW $\frac{1}{4}$ " " 33, " " " "
 S $\frac{1}{2}$ of SE $\frac{1}{4}$ of SW $\frac{1}{4}$ " " 33, " " " "
 (except S.C.R.R. Right of Way)
 SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 33, " " " "
 Lot 17 (NE $\frac{1}{2}$ of SE $\frac{1}{2}$) " " 33, " " " "
 Lot 9 " " 33, " " " "
 SE $\frac{1}{2}$ of SE $\frac{1}{2}$ " " 33, " " " "
 (except Block 22 of Eatonville).

Lot 2 (NW $\frac{1}{4}$ of NE $\frac{1}{4}$) of Section 4, Twp 13 S, Range 4 W., S.B.M.
 S $\frac{1}{2}$ of NE $\frac{1}{4}$ " " 4, " " " "
 SW $\frac{1}{2}$ of " " 4, " " " "
 (except Blocks 27, 28, 29, 33, 34, 35, 36, 37 and 38 in
 Leucadia).
 W $\frac{1}{2}$ of SE $\frac{1}{4}$ of Section 4, Twp 13 S, Range 4 W., S.B.M.
 NE $\frac{1}{2}$ of SE $\frac{1}{4}$ " " 4, " " " "

Lot 2 (SE $\frac{1}{4}$ of NE $\frac{1}{4}$) of Section 5, Twp 13 S, Range 4 W., S.B.M.

North 3/4 of Fractional W $\frac{1}{2}$ of Sec. 11, Twp 14 S, Range 4 W., S.B.M.
 (except Del Mar Resubdivision No. 3 and Arden Heights No. 6)
 NW $\frac{1}{4}$ of NE $\frac{1}{4}$ of Section 11, Twp 14 S, Range 4 W., S.B.M.
 W $\frac{1}{2}$ of NE $\frac{1}{4}$ of NE $\frac{1}{4}$ " " 11, " " " "
 W $\frac{1}{2}$ of SE $\frac{1}{4}$ of NE $\frac{1}{4}$ " " 11, " " " "
 SE $\frac{1}{4}$ of SE $\frac{1}{4}$ of NE $\frac{1}{4}$ " " 11, " " " "
 SW $\frac{1}{4}$ of NE $\frac{1}{4}$ " " 11, " " " "

SE $\frac{1}{4}$ of NE $\frac{1}{4}$ of Section 23, Twp 14 S, Range 4 W., S.B.M.

Blocks 1, 2 and 3 of Del Mar - Map 368.
 Lots 1 to 10 incl. of Block 4.
 Lots 5, 6 and 9 to 16 incl. of Block 5 of Del Mar.
 Lots 1 to 8 incl. and 13, 14, 15, 16 of Block 6 of Del Mar.
 Lots 1, 2, 7, 8 and 10 to 16 inclusive " 7 " " "
 Lots 1 to 5 inclusive of " 8 " " "
 Lots 1, 2, 3 and 7 to 13 inclusive of " 10 " " "
 Lots 5, 6, 7 and 8 of " 11 " " "
 Lots 5, 6, 7 and 8 of " 12 " " "
 Lots 1 to 7 incl. and 17, 18, 19, 20 of " 13 " " " (except
 Right of Way).
 Lots 1, 2, 3, 7, 8, of " 25 " " "
 West 10 feet of Lot 9; East 40 feet of
 Lot 10; also Lots 11 and 12; " 25 " " "
 Lots 1, 2, 3, 4, 11 and 12 of " 26 " " "
 Lots 1, 2, 11 and 12 of " 27 " " "
 South 94 feet of Lots 4 and 5 of " 28 " " "
 Lots 4, 5 and 6 of " 29 " " "
 Blocks 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42,
 56, 57, 58 and 59 of Del Mar.
 Lots 10, 11 and 12 of Block 60 of Del Mar.
 Lots 1 to 9 inclusive " " 61 " " "
 Lots 1, 2, 10, 11 and 12 " " 62 " " "

FAUDE to F.H. TOLLS
left June 11, 1918 94-2

Lots 1 to 6 inclusive and 11 and 12 of Block 63 of Del Mar- Map 368.
 Lots 3, 4, 8, 9 and 10 " " 64 " " "
 Lots 8 and 11 " " 87 " " "
 Lots 1, 2 and 6 to 12 inclusive " " 88 " " "
 Blocks 89 and 90 of Del Mar.

Ocean View Tract and Part of Ocean Ave. of Del Mar.

Abandoned Right of Way and Station Grounds of A. T. and S. F.
 Ry. Co., extending from 9th St. to West line of NE $\frac{1}{4}$ of
 SE $\frac{1}{4}$ of Section 25, Twp 14 S, Range 4 West, of Del Mar.

Strip of land between Block 13 and Ocean, bounded on South
 by South line of Lot 13 extended and on north by Del
 Mar Resubdivision No. 1 (except right of way) of Del Mar.

Strip of land between Block 13 and Ocean, bounded on south by
 South line of Lot 20 and on North by North line of Lot
 17 (except right of way) of Del Mar.

Strip of land bounded on North by Southerly line of Third St.,
 on East by West line of Ocean Ave., on South by North
 line of Pine Street, and on West by East line of Railroad
 Right of way, of Del Mar.

Strip of land between Ocean and R. R. Right of Way, bounded on
 South by South line of Pine Street, and on North by
 Northerly line of 13th St., of Del Mar.

Strip of land between Blocks 39 to 42 and Ocean, bounded on
 north by south line of Pine Street, and on South by
 Southerly limits of Del Mar.

Block 1 of Del Mar Resub. No. 1 - Map No. 1268.
 Lots B, E and G in Block 2 " " " " 1
 Lots O and P in Block 9 " " " " 1
 Lots B, D, E, F, G, I, J, K, L & M
 Block 13, " " " " 1
 Blocks 14, 15, 16 and 17 " " " " 1
 Lots A, C, D and E, Block 18 " " " " 1
 Block 111 (except 120' by 166') " " " " 1
 Blocks 112, 113, 114, 115, 119,
 120, 121 and 122 of " " " " 1
 Block 123 (ex. Right of Way) of " " " " 1
 Unnumbered Lot South of 21st
 Street (except Arden
 Heights No. 4) of " " " " 1
 Unnumbered Lot North of 21st
 Street, east of R.R. Right
 of Way, West of Arden Hts.
 No. 4 and South of North
 Line of SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Sec.
 11, Twp 14 S, Range 4 W., " " " " 1

Lots 11 to 18 incl. and 20, 21,
22 and 23 of Block 112 of Del Mar Resub. No. 2 - Map No. 1277.
Lots 21, 22 and 23 of Block 113 " " " " " 2
Lots 15, 21, 22 and 23 " 114 " " " " " 2
Lots 16, 17, 21, 22 & 23 " 115 " " " " " 2

Lots 1 to 5 incl., 8 to
12 incl., and 14 to 18
incl. of Block 124 of Del Mar Resub. No. 3 - Map No. 1450.
Lots 1 to 5 incl. " 125 " " " " " 3
& 8 to 18 incl. " " " " " " 3
Lots 1 to 6 incl. " 126 " " " " " 3
& 8 to 18 incl. " " " " " " 3
Lots 1 to 5 incl.,
8 to 11 incl.,
& 14 to 18 incl., " 127 " " " " " 3

Lots 404 to 411 incl.,
413 to 417 incl., 420 and 422 to 438 incl.
of Resub. of Blocks 22 and 23 of Del Mar. - Map No. 1449.

Lots I and J of Block 2 of Arden Heights- Map No. 1255.
Block 4 " " " " " "
Lots B, C and D " " 5 " " " "
Lots G, J and L " " 7 " " " "
Lots H, I and K " " 9 " " " "
Block 13 " " " " " "
Lots E, I and J " " 19 " " " "

Lot H " " 20 " " " #2-Map No. 1291.
Lots H, K, M, N and O " " 21 " " " "
Block 22 " " " " " "
Block 23 (except Lot A) " " " " " "
Lots C, D and E " " 24 " " " "
Lots A, B, C and G to R, incl. " " 25 " " " "
Blocks 26 and 64 " " " " " "
Lots C, E and F " " 65 " " " "
Lot D " " 66 " " " "
Block 86 " " " " " "

Lots B and E " " 6 " " " #3- Map No. 1285
Lots B and C " " 11 " " " "
Lots E and K to Q incl. " " 12 " " " "
Lots A, B, D, F and G " " 28 " " " "
Block 30 " " " " " "

Lots P, Q, S, V, X of Block 9 of Arden Heights #4-Map No. 1343
Lots T, V and W " " 12 " " " "
Lots A, B, C, D, E, G, H, I and L " " 31 " " " "
Lots A, D and F to W incl. " " 32 " " " "
Block 33 " " " " " "
Lots A, B, C, E, F, G, H, K, L, M & N " " 34 " " " "
Lots C, D and J " " 35 " " " "
Block 36 (except Lot A) and " " 37 " " " "

Lots 500 to 504 incl., 506 to 518 incl.,
520 to 524 incl., 527, 528, 542,
543 and 544 " " " #5-Map #1372

Lots 620, 621, 623 to 635 incl., 637 to
648 incl., 651 to 832 incl., (ex-
cept 0.24 acres in lot 825) " " " #6-Map #1592

Lots 833 (except East 50.95 feet) " " " #7-Map #1631
Lots 834, 835, 836 and 839 to 845 incl., " " " "

Lot 4 of Block 56 of Del Mar Heights -Map #157
Lot 1 " " 57 " " " "
Lot 8 " " 90 " " " "

Blocks 27 and 28 of Leucadia - Map #570
Lots 1 to 20 incl. and 23 to 29 incl. Block 29 " " "
Lots 1, 2, 9, 10, 11, 12, 14 and 16 " 33 " "
Lots 1 to 8 incl., 11, 12, 13 and 16 " 34 " "
Blocks 35, 37, 39, 41, 43, 44,
" 46, 48, 51, 52, 55, 56,
" 58, 59, 60, 61, 63, 64,
" 65, 66, 67, 68, 69, 70,
" 72, 73, 74, 75, 76, 77,
" 78, 79, 80, 81, 82, 83,
" 84 and B " " "
Lots 1 to 24 incl., 30, 31 and 32 " 36 " "
Lots 3 to 14 incl., and 16 " 38 " "
Lots 1 to 8 incl., 11, 12, 13, 15 & 16 " 40 " "
Lots 4 to 11 and 14 " 45 " "
Lots 1 to 14 incl., " 47 " "
Lots 1 to 11 incl. and 13 to 16 incl., " 49 " "
Lots 1 to 12 incl., 14, 15 and 16, " 50 " "
Lots 1 to 8 incl., 10, 11, 13, 15 & 16 " 53 " "
Lots 1 to 15 incl., " 54 " "
Lots 1 to 15 incl., " 57 " "
Block 62 (except lot 14) " " "

Tract of land South of South line of SW $\frac{1}{2}$ of Section 14, Twp 13 S, Range 4 West, West of West line of Blocks 38, 39, 55, 56, 72 and 73, North of South line of Leucadia Townsite and East of Mean Tide line of Pacific Ocean.

Tract of land South of lot 2 of Section 5, Township 13 S, Range 4 W, West of West line of SW $\frac{1}{2}$ of Section 4, Township 13 S, Range 4 W, and East of Mean Tide line of Pacific Ocean.

Lots 4 to 8 inclusive		of Block	1	of North Leucadia		- Map No. 524
Lots 1 to 16	"	"	4	"	"	"
Lots 2 to 6	"	"	7	"	"	"
Lots 4 and 5	"	"	8	"	"	"
Lots 7 to 12	"	"	9	"	"	"
W $\frac{1}{2}$ of Lots 1 & 2 and 3 to 12	"	"	10	"	"	"
Lots 1 to 16	"	"	13	"	"	"
Lots 5 to 8	"	"	14	"	"	"
Lots 1 to 12	"	"	15	"	"	"
Lots 1 to 16	"	"	16	"	"	"
Lots 1 to 16	"	"	18	"	"	"

Revised Sept. 11, 1919

94A

Boundary Line of Cardiff Irrigation District
DESCRIPTION OF LANDS TO BE ADDED TO THE CARDIFF IRRIGATION DISTRICT

All the lands situated in San Diego County, California, contained within the exterior boundaries described as follows:

Beginning at the one-quarter section corner on the east line of Section 25, Township 14 South, Range 4, West, San Bernardino Meridian;

Thence northerly along the east lines of Sections 25, 24 and 13, Township and Range aforesaid, to the northeast corner of said Section 13;

Thence westerly along the north line of said Section 13 to the northwest corner thereof;

Thence northerly along the east line of Section 11, Township and Range aforesaid, to an intersection with the east and west center line of the southeast quarter of the northeast quarter of said section;

Thence westerly along the east and west center line of the said southeast quarter of the northeast quarter to the center thereof;

Thence northerly along the north and south center line of the east half of the northeast quarter of said Section 11, to the north line thereof;

Thence easterly along the south line of Sections 2 and 1, Township and range aforesaid, to the southwest corner of the southeast quarter of the southwest quarter of said Section 1;

Thence northerly along the west line of the said southeast quarter of the southwest quarter to an intersection with the east and west center line thereof;

Thence easterly along the east and west center line of the said southeast quarter of the southwest quarter to an intersection with the north and south center line of said section 1;

Thence northerly along the north and south center line of said section 1 to an intersection with the east and west center line of the southeast quarter of said section;

Thence easterly along the east and west center line of the southeast quarter of section 1, township and range aforesaid, to the east line of said section;

Thence continuing easterly along the east and west center line of the south half of section 6 and section 5, Township 14 South, Range 3 West, S.B.M., to an intersection with the north and south center line of the west half of said Section 5;

Thence northerly along the north and south center line of the west half of said Section 5 and of said Section 5 if projected upon Rancho San Dieguito as shown upon page 37, book 1, records of San Diego County, California, and filed in the office of the Clerk of said County, to the north line of said projected section 5; ~~*~~

Thence continuing northerly along the north and south center line of the southwest quarter of section 32, township 13 South, Range 3 West, S. B.M., if the same were projected upon the said Rancho San Dieguito, to the center of the southwest quarter of said projected section 32;

Begin
Thence easterly along the east and west center line of the southwest quarter of said projected section 32 to the north and south center line of said Section 32;

Thence northerly along the north and south center line of said section 32 to the center of said section;

Thence easterly along the east and west center line of said Section 32 to an intersection with the north and south center line of the northeast quarter of said section;

~~*~~ Thence northerly along the north and south center line of the northeast quarter of said section 32 to the north line of said section;

Thence continuing northerly along the north and south center line of the southeast quarter of Section 29, Township 13, South, Range 3 West, S.B.M., if the same were projected upon said Rancho San Dieguito, to the center of the southeast quarter of said section;

Thence easterly along the east and west center line of the southeast quarter of said Section 29 to the east line thereof;

Thence continuing easterly along the east and west center line of the south half of Section 28, Township and Range aforesaid, if the same were projected upon the said Rancho San Dieguito, to the center of the southeast quarter of said Section 28;

Thence northerly along the north and south center line of the southeast quarter of said Section 28 to the east and west center line of said section;

Thence easterly along the east and west center line of said section 28 to the east line of said section;

Thence continuing easterly along the east and west center line of Section 27, Township and Range aforesaid, if the same were projected upon the said Rancho San Dieguito, to the easterly line of said Rancho;

Thence northerly along the easterly line of said Rancho San Dieguito to the northeast corner thereof;

- Thence westerly, northwesterly and southwesterly along the northerly line of said Rancho San Dieguito to the most westerly corner of said Rancho the last mentioned point being also the most southerly corner of Rancho Los Encinitas, as the same is shown upon Map No. 848, filed for record June 27, 1898, in the office of the Recorder of San Diego County, California;
- Thence southerly along the westerly line of said Rancho San Dieguito to an intersection with the east and west center line of Section 25, Township 13 South, Range 4 West, S.B.M.;
- Thence westerly along the east and west center line of said Section 25 to the north and south center line of the east half of the northwest quarter of the southeast quarter of said Section 25;
- Thence southerly along the north and south center line of the east half of the northwest quarter of the southeast quarter of said Section 25 to the east and west center line of the southeast quarter of said section;
- Thence easterly along the east and west center line of the southeast quarter of said Section 25 to the north and south center line of the southeast quarter of said section;
- Thence southerly along the north and south center line of the southeast quarter of said section 25 to the east and west center line of the south half of the southeast quarter of said section;
- Thence easterly along the east and west center line of the south half of the southeast quarter of said Section 25 to the southwesterly line of said Rancho San Dieguito;
- Thence southeasterly along the southwesterly line of said Rancho San Dieguito to the east line of said Section 25;
- Thence southerly along the east line of said Section 25 to the southeast corner thereof;
- Thence westerly along the south line of said Section 25 to the southeast corner of the southwest quarter of the southwest quarter of said section;
- Thence northerly along the north and south center line of the southwest quarter of said section 25 to the center of the said southwest quarter;
- Thence westerly along the east and west center line of the southwest quarter of said section 25 to the west line of said section;

- Thence southerly along the west line of said section 25 to an intersection with the east and west center line of the southeast quarter of the southeast quarter of Section 26, Township 13 South, Range 4 West, S.B.M.
- Thence westerly along the east and west center line of the southeast quarter of the southeast quarter of said section 26 to the north and south center line of the southeast quarter of said section;
- Thence southerly along the north and south center line of the southeast quarter of said Section 26 to the south line of said Section.
- Thence westerly along the south line of said Section 26 to an intersection with the north and south center line of Section 35, Township 13 South, Range 4 West, S.B.M.;
- Thence southerly along the north and south center line of said Section 35, to the east and west center line of the north half of said section;
- Thence westerly along the east and west center line of the north half of said section 35 to the west line of said section;
- Thence continuing westerly along the east and west center line of the north half of Section 34, Township 13 South, Range 4 West, S.B.M., to a point distant 50 feet westerly from and measured at right angles to the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;
- Thence northerly parallel to and distant 50 feet westerly from and measured at right angles to center line of the said main track to the north line of said Section 34;
- Thence westerly along the north line of said Section 34 to the northwest corner of the northeast quarter of the northeast quarter of said section;
- Thence northerly along the north and south center line of the southeast quarter of Section 27, Township 13 South, Range 4 West, S.B.M., to an intersection with a line drawn westerly from, parallel to and distant 50 feet westerly from the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;
- Thence northerly, parallel to and distant 50 feet westerly from the center line of the said main track to the east and west center line of the south half of said Section 27;
- Thence easterly along the east and west center line of the south half of said Section 27 to the north and south center line of the southeast quarter of said section;

- Thence northerly along the north and south center line of the southeast quarter of said Section 27 to the east and west center line of said section;
- Thence easterly along the east and west center line of said Section 27 to the east line thereof;
- Thence southerly along the east line of said Section 27 to an intersection with the north line of the County Highway, known as "A" line of New Survey No. 139, a map of which is on file in the office of the Surveyor of San Diego County, California;
- Thence along the northerly line of said County Highway, in a direction the general trend of which is easterly, to an intersection with the east and west center line of Section 26, Township 13 South, Range 4 West, S.B.M.;
- Thence easterly along the east and west center line of said Section 26 to the east line of said section;
- Thence northerly along the east line of said Section 26 to the northeast corner thereof;
- Thence westerly along the north line of said Section 26 to an intersection with the north and south center line of the southeast quarter of Section 23, Township 13 South, Range 4 West, S.B.M.;
- Thence northerly along the north and south center line of the southeast quarter of said Section 23 to the east and west center line of said Section;
- Thence westerly along the east and west center line of said Section 23 to the north and south center line of the west half of the northeast quarter of said section;
- Thence northerly along the north and south center line of the west half of the northeast quarter of said Section 23, to the north line thereof;
- Thence continuing northerly along the north and south center line of the southwest quarter of the southeast quarter of Section 14, Township 13 South, Range 4 West, S.B.M., to the center of the said southwest quarter of the southeast quarter of said section;
- Thence easterly along the east and west center line of the southwest quarter of the southeast quarter of said Section 14, to north and south center line of the southeast quarter of said section;
- Thence northerly along the north and south center line of the southeast quarter of said Section 14 to the east and west center line of said section;
- Thence westerly along the east and west center line of said Section 14 to the center of said section;

- Thence northerly along the north and south center line of said Section 14 to the north line thereof;
- Thence westerly along the north line of said Section 14 to the northeast corner of the northwest quarter of the northwest quarter of said section;
- Thence northerly along the north and south center line of the west half of Section 11, Township 13 South, Range 4 West, S.B.M., to the north line of said section;
- Thence continuing northerly along the north and south center line of the west half of Section 2, Township 13 South, Range 4 West, S.B.M., to the center of the southwest quarter of said section;
- Thence westerly along the east and west center line of the southwest quarter of said Section 2 to the west line of said section;
- Thence northerly along the west line of said Section 2 to the north line thereof;
- Thence westerly along the line between Townships 12 and 13 South, to the southeast corner of Section 34, Township 12 South, Range 4 West, S.B.M.;
- Thence northerly along the east line of said Section 34 to the northeast corner of Lot 8 in said section;
- Thence in a direction the general trend of which is westerly along the northerly line of Lots 5, 6, 7, and 8, in said Section 34 to the west line thereof;
- Thence continuing in a direction the general trend of which is westerly along the northerly line of Lots 7, 8, 9 and 10 of Section 33, Township 12 South, Range 4 West, S.B.M.; to an intersection with a line drawn parallel to and distant 100 feet westerly from and measured at right angles to the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;
- Thence northerly along the line drawn 100 feet westerly from and parallel to the center line of the said main track to intersection with the southerly line of Lot 6 of said Section 33;
- Thence in a direction the general trend of which is easterly along the southerly line of Lots 1, 2, 3, 4, 5, and 6 of said Section 33 to the east line of said section;
- Thence northerly along the east lines of Sections 33, 28, and 21, Township 12 South, Range 4 West, S.B.M., to the south line of Rancho Agua Hedionda, as shown upon Map No. 823, filed in the office of the Recorder of San Diego County, California, November 16, 1896;
- Thence westerly along the southerly line of said Rancho Agua Hedionda to an intersection with the east line of Lot H, as shown upon the said Map No. 823 of Rancho Agua Hedionda.

- Thence northerly along the said east line of said Lot H to an intersection with the east and west center line of Section 16, Township 12 South, Range 4 West, S.B.M.;
- Thence westerly along the east and west center line of said Section 16 to the north and south center line of the northwest quarter of said Section 16;
- Thence northerly along the north and south center line of the northwest quarter of said Section 16 to the east and west center line of the southwest quarter of the northwest quarter of said Section 16;
- Thence westerly along the east and west center line of the southwest quarter of the northwest quarter of said Section 16 to the west line of said Section;
- Thence northerly along the west line of said Section 16 to the east and west center line of the north half of the north half of said Section 16;
- Thence westerly along the east and west center line of the north half of the north half of Section 17, Township 12 South, Range 4 West, S.B.M., to the north and south center line of the northwest quarter of said Section 17;
- Thence northerly along the north and south center line of the northwest quarter of said Section 17 to the north line of said Section;
- Thence continuing northerly along the north and south center line of the southwest quarter of Section 8, Township 12 South, Range 4 West, S.B.M., a distance of 165 feet;
- Thence westerly parallel with the south line of said Section 8 to the west line thereof;
- Thence northerly along the east line of Section 7, Township 12 South, Range 4 West, S.B.M., to the east and west center line of the south half of said Section;
- Thence westerly along the east and west center line of the south half of said Section 7 to an intersection with a line drawn parallel to and distant 50 feet westerly from and measured at right angles to the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;
- Thence northerly parallel to and distant 50 feet westerly from the center line of said main track to the most easterly corner of Tract 230 of Thum Lands, as shown upon Map No. 1681, filed for record in the office of the Recorder of San Diego County, California, December 9, 1915;
- Thence in an easterly direction by the most direct course to the most southerly corner of Tract 233 of said Thum Lands;

- Thence continuing in an easterly direction along the southerly line of Tracts 233 and 238 of said Thum Lands, to the southeasterly corner of said Tract 238;
- Thence in a northeasterly direction along the southeasterly line of Tracts 238 and 243 of said Thum Lands to the most easterly corner of said Tract 243;
- Thence continuing on the same course to the most southerly corner of Tract 247 of said Thum Lands;
- Thence continuing along the southeasterly line of Tracts 247 and 251 of said Thum Lands to the most easterly corner of said Tract 251.
- Thence continuing on the same course to the most southerly corner of Tract 256 of said Thum Lands;
- Thence continuing along the southeasterly line of said Tract 256 to the most easterly corner thereof;
- Thence northwesterly along the northeasterly line of said Tract 256 to the northeast corner thereof;
- Thence continuing on the same course to the southeast corner of Tract 255 of said Thum Lands;
- Thence continuing northwesterly along the northeasterly line of Tracts 255, 254, 253, and 252 of said Thum Lands to the most northerly corner of said Tract 252;
- Thence southwesterly along the westerly line of said Tract 252 to the north line of Section 5, Township 12 South, Range 4 West, S.B.M.;
- Thence westerly along the line between Townships 11 and 12 South to the southwest corner of Section 31, Township 11 South, Range 4 West S.B.M.
- Thence northerly along the east line of said Section 31 to the southerly line of Eucalyptus Street in Hosp's Eucalyptus Forest Company's Tract Number 1, as per map thereof number 1136, filed for record June 8, 1908, in the office of the Recorder of San Diego County, California;
- Thence in a direction, the general trend of which is westerly along the southerly line of said Eucalyptus Street to an intersection with the east and west center line of said Section 31;
- Thence westerly along the east and west center line of said Section 31 to the north and south center line of the west half of said Section;
- Thence southerly along the north and south center line of the west half of said Section 31 to the east and west center line of the south half of the northwest quarter of the southwest quarter of said Section;
- Thence westerly along the east and west center line of the south half of the northwest quarter of the southwest quarter of said Section 31, to the west line of said Section;

- Thence southerly along the west line of said Section 31 to the southwest corner thereof;
- Thence westerly along the north line of Section 1, Township 12 South, Range 5 West, S.B.M., a distance of 495 feet;
- Thence south to the east and west center line of the northeast quarter of the northeast quarter of said Section 1;
- Thence westerly along the east and west center line of the northeast quarter of the northeast quarter of said Section 1 to the north and south center line of the east half of said Section.
- Thence southerly along the north and south center line of the east half of said Section 1 to the east and west center line of the north half of said Section;
- Thence westerly along the east and west center line of the north half of said Section 1 to an intersection with a line drawn parallel with and distant 100 feet westerly from, when measured at right angles to, the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;
- Thence northwesterly parallel to and distant 100 feet westerly from the center line of the said main track to an intersection with the northerly line of Eaton Street in South Oceanside, as per map thereof number 622, filed for record in the office of the Recorder of San Diego County, California, February 7, 1890;
- Thence northeasterly along the said northerly line of Eaton Street to the easterly line of Hill Street in South Oceanside;
- Thence southeasterly along the easterly line of Hill Street, a distance of 390 feet;
- Thence northeasterly parallel with the northerly line of Eaton Street to an intersection with the westerly line of Ditmar Street produced southerly;
- Thence northwesterly along said produced westerly line of Ditmar Street a distance of 130 feet;
- Thence northeasterly to a point on the south line of the northwest quarter of the southeast quarter of Section 36, Township 11 South, Range 5 West, S.B.M., which point is distant 330 feet west of the southeast corner of said northwest quarter of the southeast quarter;
- Thence north to the east and west center line of said Section 36;
- Thence easterly along the east and west center line of said Section 36 to an intersection with the easterly line of Block 56, in South Oceanside;
- Thence northeasterly along the easterly line of Blocks 56 and 57 of South Oceanside to the east line of said Section 36;

- Thence northerly along the east line of said Section 36 to the northeast corner thereof;
- Thence easterly along the south line of Sections 30 and 29, Township 11 South, Range 4 West, S.B.M., to an intersection with the north and south center line of the west half of said Section 29;
- Thence northerly along the north and south center line of the west half of said Section 29 to the center of the northwest quarter thereof;
- Thence westerly along the east and west center line of the north half of said Sections 29 and 30 to the west line of said Section 30;
- Thence continuing westerly along the east and west center line of the north half of Section 25, Township 11 South, Range 5 West, S.B.M. to an intersection with a line drawn parallel with and distant 50 feet southeasterly from, when measured at right angles to, the main track of the Escondido Branch of the Atchison, Topeka and Santa Fe Railway Company;
- Thence southwesterly along a line drawn parallel with and distant 50 feet southeasterly from the center of said main track to the north and south center line of said Section 25;
- Thence southerly along the north and south center line of said Section 25 to the northerly line of Block 91 in South Oceanside;
- Thence southwesterly along the northerly line of Blocks 91 and 92 in South Oceanside to the easterly line of Morena Street;
- Thence southerly along the easterly line of Morena Street to a point distant 1188 feet northwesterly from the intersection of the easterly line of Morena Street and the northerly line of Morse Street in South Oceanside;
- Thence South 56 degrees West 720 feet;
- Thence North 34 degrees West 246.3 feet;
- Thence South 37 degrees 1 minute West 648.9 feet.
- Thence South 22 degrees 19 minutes West 1647.9 feet to the westerly line of Hill Street produced northwesterly;
- Thence northwesterly along the westerly line of Hill Street produced to the southerly limits of the City of Oceanside;
- Thence southwesterly along the southerly limits of the city of Oceanside to an intersection with a line drawn parallel with and distant 100 feet northeasterly from, when measured at right angles to, the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;

Thence southeasterly along a line parallel with and 100 feet northeasterly from the center line of said main track to the southerly line of Morse Street in South Oceanside;

Thence southwesterly along the southerly line of Morse Street to the mean high tide ^{line} of the Pacific Ocean;

Thence in a direction the general trend of which is southeasterly along the mean high tide line of the Pacific Ocean to an intersection with the northerly limits of the City of San Diego;

Thence southeasterly along the northerly limits of the City of San Diego to an intersection with the east and west center line of Section 25, Township 14 South, Range 4 West, S.B.M.;

Thence easterly along the east and west center line of said Section 25 to the quarter section corner on the east line of said Section, and the place of beginning.

EXCEPTING from the above described area the lands contained within the boundaries described as follows:

Beginning at the intersection of the North line of Sec. 21, Twp. 13 S., R. 4 W., S.B.M., with the shore line of the Pacific Ocean and running thence Easterly to the S. E. corner of the S. W. 1/4 of the S. W. 1/4 of Sec. 15 of said township; thence North to the N. E. corner of said S. W. 1/4 of S. W. 1/4; thence East to the N. E. corner of West 1/2 of S. W. 1/4 of S. E. 1/4 of said Section; thence South to the N.W. corner of E. 1/2 of S.W. 1/4 of N. E. 1/4 of Sec. 22 of said township; thence East to the N. E. corner of said S. W. 1/4 of N. E. 1/4; thence south to the S. E. corner of said S. W. 1/4 of N.E. 1/4; thence east to the east 1/4 corner of said Sec. 22; thence South to the S.E. corner of ~~N.E. 1/4 of S.W. 1/4 of said Sec.~~ thence West to the N. E. corner of Cardiff A according to Map No. 1334 on file in the office of the Recorder of San Diego County, California; thence Southerly along the Easterly line of said Cardiff A and the Easterly line of Cardiff according to map No. 1298 on file in said Recorder's office, to the Southwest corner of said Cardiff; thence West to the N.E. corner of N. W. 1/4 of S. E. 1/4 of Sec. 27 of said Township; thence South to the S. E. corner of said N. W. 1/4 of S. E. 1/4; thence West to the shore line of the Pacific Ocean; thence Northwesterly along said shore line to the North line of said Section 27; thence East to the Easterly Right of Way line of State Highway, Division VII, San Diego County, Route 2, Section A; thence Northwesterly along said Easterly Right of Way line to the East line of Section 21 of said Township; thence South along said East Section line to the shore line of the Pacific Ocean; thence Northwesterly along said shore line to the place of beginning; also the S. 1/2 of S. W. 1/4 of N. W. 1/4 of Section 26, Twp. 13 S., R. 4 W., and the two following described parcels of land in said Sec. 26, to-wit:

Parcel I. Beginning at a point on the East and West center line of said Sec. 26, West 35.95 chains from the East $\frac{1}{4}$ corner of said Section and running thence S. $7^{\circ}55'$ E. 18.40 chains, thence S. $82^{\circ}05'$ W. 13.02 chains; thence N. $7^{\circ}55'$ W. 20.09 chains to said East and West center line; thence East 13.30 chains to place of beginning.

Parcel II. Beginning at the N. W. corner of the N.E. $\frac{1}{4}$ of S.E. $\frac{1}{4}$ of said Sec. 26, thence East along the North line of said N. E. $\frac{1}{4}$ of S. E. $\frac{1}{4}$ to an intersection with the North Westerly boundary line of Road survey No. 139 Line A, on file in the office of Surveyor of said Diego County; thence Southwesterly along said Northwesterly boundary line to the West line of said N. E. $\frac{1}{4}$ of S. E. $\frac{1}{4}$; thence North to place of beginning, excepting from the above described area the following: The N. E. $\frac{1}{4}$ of the N. W. $\frac{1}{4}$ of Sec. 22, the E. $\frac{1}{2}$ of the S. E. $\frac{1}{4}$ of NW $\frac{1}{4}$ of Sec. 22. The Sections above referred to are in Twp. 13 S., R. 4 W., S.B.M.

Divisions

DESCRIPTION OF PARCELS OF GARDIFF IRRIGATION DISTRICT.

Division
Parcel No. 1

Beginning at the Township corner common to Townships 13 and 14 South, and Range 3 and 4 West, S. B. M.

Thence Southerly along the east line of Section 1, Township 14 South, Range 4 West, S. B. M. to an intersection with the east and west center line of said Section 1;

Thence westerly along the East and West center line of Sections 1, 2, and 3, Township 14 South, Range 4 West, S. B. M. to an intersection with the mean high tide line of the Pacific Ocean;

Thence in a direction, the general trend of which is Southeasterly, along the mean high tide line of the Pacific Ocean, to an intersection with the Northerly limits of the City of San Diego;

Thence southeasterly along the Northerly limits of the City of San Diego to an intersection with the east and west center line of Section 25, Township 14 South, Range 4 West, S. B. M.;

Thence Easterly along the East and West center line of said Section 25 to the east line thereof;

Thence northerly along the east lines of Sections 25, 24 and 13, Township and Range aforesaid, to the northeast corner of said Section 13;

Thence Westerly along the north line of said Section 13 to the northwest corner thereof;

Thence northerly along the east line of Section 11, Township and Range aforesaid, to an intersection with the east and west center line of the southeast quarter of the northeast quarter of said section;

Thence westerly along the east and west center line of the said southeast quarter of the northeast quarter to the center thereof;

Thence northerly along the north and south center line of the east half of the northeast quarter of said section 11, to the north line thereof;

Thence easterly along the south line of Sections 2 and 1, Township and range aforesaid, to the southwest corner of the southeast quarter of the southwest quarter of said section 1;

Thence northerly along the west line of the said southeast quarter of the southwest quarter to an intersection with the east and west center line thereof;

- Thence easterly along the east and west center line of the said southeast quarter of the southwest quarter to an intersection with the north and south center line of said Section 1;
- Thence northerly along the north and south center line of said section 1 to an intersection with the east and west center line of the southeast quarter of said section;
- Thence easterly along the east and west center line of the southeast quarter of section 1, township and range aforesaid, to the east line of said section;
- Thence continuing easterly along the east and west center line of the south half of section 6 and section 5, Township 14 South, Range 3 West, S.B.M., to an intersection with the north and south center line of the west half of said Section 5;
- Thence northerly along the north and south center line of the west half of said Section 5 and of said Section 5 if projected upon Rancho San Dieguito as shown upon page 37, book 1, records of San Diego County, California, and filed in the office of the Clerk of said County, to the north line of said projected section 5;
- Thence continuing northerly along the north and south center line of the southwest quarter of Section 32, Township 13 South, Range 3 West, S.B.M., if the same were projected upon the said Rancho San Dieguito, to the center of the southwest quarter of said projected section 32;
- Thence easterly along the east and west center line of the southwest quarter of said projected section 32 to the north and south center line of said Section 32;
- Thence northerly along the north and south center line of said Section 32 to the center of said section;
- Thence easterly along the east and west center line of said Section 32, to an intersection with the north and south center line of the northeast quarter of said section;
- Thence northerly along the north and south center line of the northeast quarter of said section 32 to the north line of said section;
- Thence continuing northerly along the north and south center line of the southeast quarter of Section 29, Township 15 South, Range 3 West, S.B.M., if the same were projected upon said Rancho San Dieguito, to the center of the southeast quarter of said section;

- Thence easterly along the east and west center line of the southeast quarter of said Section 29 to the east line thereof;
- Thence continuing easterly along the east and west center line of the south half of Section 28, Township and Range aforesaid, if the same were projected upon said Rancho San Dieguito, to the center of the southeast quarter of said Section 28;
- Thence northerly along the north and south center line of the southeast quarter of said Section 28 to the east and west center line of said section;
- Thence easterly along the east and west center line of said section 28 to the east line of said section;
- Thence continuing easterly along the east and west center line of Section 27, Township and Range aforesaid, if the same were projected upon the said Rancho San Dieguito, to the easterly line of said Rancho;
- Thence northerly along the easterly line of said Rancho San Dieguito to the northeast corner thereof;
- Thence Westerly, Northwesterly and Southwesterly along the Northerly lines of said Rancho San Dieguito to an intersection with the west line of Section 17, Township 13 South, Range 3 West, S.B.M., if the said Section 17 were projected upon the said Rancho San Dieguito;
- Thence Southerly along the west line of Section 17, 20, 29 and 32, Township 13 South, Range 3 West, S.B.M., if the said Sections 17, 20, 29 and 32 were projected upon the said Rancho San Dieguito to the line between Townships 13 and 14 South, S.B.M.;
- Thence westerly along the said Township line to the Township corner common to Townships 13 and 14 South, and Ranges 3 and 4 West, S.B.M., and the place of beginning.

Precinct No. 8

Beginning at the Township corner common to Townships 13 and 14 South, Range 3 and 4 West, S.B.M.;

Thence easterly along the township line between Townships 13 and 14 South, S.B.M., to the southeast corner of Section 31, Township 13 South, Range 3 West, S.B.M.;

Thence northerly along the east line of Sections 31, 30, 19 and 18, Township 13 South, Range 3 West, S.B.M., if the said Sections 31, 30, 19 and 18 were projected upon the Rancho San Dieguito, as shown upon page 37, book 1, records of San Diego County, California, and filed in the office of the Clerk of said County, to an intersection with the northwesterly line of the said Rancho San Dieguito;

Thence Southwesterly along the Northwesterly line of said Rancho San Dieguito to the most westerly corner of said Rancho, the last mentioned point being also the most southerly corner of Rancho Los Encinitas, as the same is shown upon Map Number 848, filed for record June 27, 1898 in the office of the Recorder of San Diego County, California;

Thence southerly along the westerly line of said Rancho San Dieguito to an intersection with the east and west center line of Section 25, Township 13 South, Range 4 West, S.B.M.;

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Thence westerly along the east and west center line of said Section 25 to the north and south center line of the east half of the northwest quarter of the southeast quarter of said Section 25;

Thence southerly along the north and south center line of the east half of the northwest quarter of the southeast quarter of said Section 25 to the east and west center line of the southeast quarter of said Section;

Thence easterly along the east and west center line of the southeast quarter of said Section 25 to the north and south center line of the southeast quarter of said section;

Thence southerly along the north and south center line of the southeast quarter of said section 25 to the east and west center line of the south half of the southeast quarter of said section;

Thence easterly along the east and west center line of the south half of the southeast quarter of said Section 25 to the southwesterly line of said Rancho San Dieguito;

Thence southeasterly along the southwesterly line of said Rancho San Dieguito to the east line of said Section 25;

- Thence southerly along the east line of said Section 25 to the southeast corner thereof;
- Thence westerly along the south line of said Section 25 to the southeast corner of the southwest quarter of the southwest quarter of said section;
- Thence northerly along the north and south center line of the southwest quarter of said section 25 to the center of the said southwest quarter;
- Thence westerly along the east and west center line of the southwest quarter of said section 25 to the west line of said section;
- Thence southerly along the west line of said section 25 to an intersection with the east and west center line of the southeast quarter of the southeast quarter of section 26, township 13 south, range 4 west, S.B.M.;
- Thence westerly along the east and west center line of the southeast quarter of the southeast quarter of said section 26 to the north and south center line of the southeast quarter of said section;
- Thence southerly along the north and south center line of the southeast quarter of said Section 26 to the south line of said Section;
- Thence westerly along the south line of said Section 26 to an intersection with the north and south center line of section 35, Township 13 South, Range 4 West, S.B.M.;
- Thence southerly along the north and south center line of said Section 35, to the east and west center line of the north half of said section;
- Thence westerly along the east and west center line of the north half of said section 35 to the west line of said section;
- Thence continuing westerly along the east and west center line of the north half of Section 34, Township 13 South, Range 4 West, S.B.M., to a point distant 50 feet westerly from and measured at right angles to the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;
- Thence northerly parallel to and distant 50 feet westerly from and measured at right angles to center line of the said main track to the north line of said Section 34;
- Thence westerly along the north line of said Section 34 to the northwest corner of the northeast quarter of the northeast quarter of said section;

- Thence northerly along the north and south center line of the southeast quarter of section 27, Township 13 South, Range 4 West, S.B.M., to an intersection with a line drawn westerly from, parallel to and distant 50 feet westerly from the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;
- Thence northerly, parallel to and distant 50 feet westerly from the center line of the said main track to the east and west center line of the south half of said Section 27;
- Thence easterly along the east and west center line of the south half of said Section 27 to the north and south center line of the southeast quarter of said section;
- Thence northerly along the north and south center line of the southeast quarter of said Section 27 to the east and west center line of said Section;
- Thence easterly along the east and west center line of said Section 27 to the east line thereof;
- Thence southerly along the east line of said Section 27, to an intersection with the north line of the County Highway, known as "A" line of New Survey No. 139, a map of which is on file in the office of the Surveyor of San Diego County, California;
- Thence along the northerly line of said County Highway, in a direction the general trend of which is easterly, to an intersection with the east and west center line of Section 26, Township 13 South, Range 4 West, S.B.M.;
- Thence easterly along the east and west center line of said Section 26 to the east line of said Section;
- Thence northerly along the east line of said Section 26 to the northeast corner thereof;
- Thence westerly along the north line of said Section 26 to an intersection with the north and south center line of the southeast quarter of Section 23, Township 13 South, Range 4 West, S.B.M.;
- Thence northerly along the north and south center line of the southeast quarter of said Section 23 to the east and west center line of said Section;
- Thence westerly along the east and west center line of said Section 23 to the north and south center line of the west half of the northeast quarter of said section;
- Thence northerly along the north and south center line of the west half of the northeast quarter of said Section 23, to the north line thereof;

- Thence** continuing northerly along the north and south center line of the southwest quarter of the southeast quarter of Section 14, Township 13 South, Range 4 West, S.B.M., to the center of the said southwest quarter of the southeast quarter of said section;
- Thence** easterly along the east and west center line of the southwest quarter of the southeast quarter of said Section 14 to north and south center line of the southeast quarter of said section;
- Thence** northerly along the north and south center line of the southeast quarter of said Section 14 to the east and west center line of said section;
- Thence** westerly along the east and west center lines of Sections 14 and 15, Township 13 South, Range 4 West, S.B.M. to the west line of said Section 15;
- Thence** southerly along the west line of said Section 15 to the Southwest corner thereof;
- Thence** westerly along the southerly line of Section 16, Township 13 South, Range 4 West, S.B.M., to the mean high tide line of the Pacific Ocean;
- Thence** in a direction, the general trend of which is southeasterly along the mean high tide line of the Pacific Ocean, to an intersection with the east and west center line of Section 3, Township 14 South, Range 4 West, S.B.M.;
- Thence** easterly along the east and west center line of Section 3, 2 and 1, Township 14 South, Range 4 West, S.B.M., to the east line of said Section 1;
- Thence** northerly along the east line of the said Section 1 to the northeast corner thereof, said northeast corner being the township corner common to Townships 13 and 14 South, and Ranges 3 and 4 West, S.B.M., and the place of beginning.

Precinct No. 3

Beginning at the center of Section 14, Township 13 South, Range 4 West, S.B.M.;

Thence northerly along the north and south center line of said Section 14 to the north line thereof;

Thence westerly along the north line of said section 14 to the northeast corner of the northwest quarter of the northwest quarter of said Section;

Thence northerly along the north and south center line of the west half of Section 11, township 13 south, range 4 west, S.B.M. to the north line of said section;

Thence continuing northerly along the north and south center line of the west half of Section 2, Township 13 South, Range 4 West, S.B.M. to the center of the southwest quarter of said section;

Thence westerly along the east and west center line of the southwest quarter of said section 2 to the west line of said section;

Thence northerly along the west line of said section 2 to the north line thereof;

Thence westerly along the line between Townships 12 and 13, South, to the southeast corner of Section 34, Township 12 South, Range 4 West, S.B.M.:

Thence northerly along the east line of said Section 34 to the northeast corner of Lot 8 in said Section;

Thence in a direction the general trend of which is westerly along the northerly line of lots 5, 6, 7 and 8 in said section 34 to the west line thereof;

Thence continuing in a direction the general trend of which is westerly along the northerly line of lots 7, 8, 9 and 10 of Section 33, Township 12 South, Range 4 West, S.B.M., to an intersection with a line drawn parallel to and distant 100 feet westerly from and measured at right angles to the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;

Thence northerly along a line drawn 100 feet westerly from and parallel to the center line of the said main track to an intersection with the southerly line of lot 6 of said section 33;

Thence in a direction the general trend of which is easterly along the southerly line of lots 1, 2, 3, 4, 5 and 6 of said section 33 to the east line of said Section;

Thence northerly along the east lines of Sections 23, 28 and 21, Township 13 South, Range 4 West, S.B.M., to the south line of Rancho Agua Hedionda, as shown upon Map Number 823 filed in the office of the Recorder of San Diego County, California, November 16, 1896;

Thence westerly along the southerly line of the said Rancho Agua Hedionda to the mean high tide line of the Pacific Ocean;

Thence in a direction the general trend of which is Southeasterly along the mean high tide line of the Pacific Ocean to an intersection with the south line of Section 16, Township 13 South, Range 4 West, S.B.M.;

Thence easterly along the southerly line of said Section 16 to the Southeast corner thereof;

Thence northerly along the line between Sections 16 and 15, Township 13 South, Range 4 West, S.B.M., to the east and west center line of said Section 15;

Thence easterly along the east and west center line of Sections 15 and 14, Township 13 South, Range 4 West, S.B.M., to the center of the said Section 14 and the place of beginning.

Precinct No. 4.

Beginning at the intersection of the South line of the Rancho Agua Hedionda, as shown upon map Number 823, filed in the office of the Recorder of San Diego County, California, November 16, 1886, with the east line of Section 21, Township 12 South, Range 4 West, S.B.M.;

Thence northerly along the east line of Sections 21, 16 and 9, Township 12 South, Range 4 West, S.B.M., to the east and west center line of said Section 9;

Thence westerly along the east and west center line of said Section 9 to the north and south center line of the southeast quarter of said Section;

Thence southerly along the north and south center line of the southeast quarter of said section 9 to the east and west center line of the northwest quarter of the southeast quarter of said Section;

Thence westerly along the east and west center line of the northwest quarter of the southeast quarter of said Section 9 to the north and south center line of said Section;

Thence southerly along the north and south center lines of Sections 9 and 16, Township 12 South, Range 4 West, S.B.M., to the center of said Section 16;

Thence westerly along the east and west center line of said section 16 to the north and south center line of the northwest quarter of said Section 16;

Thence northerly along the north and south center line of the northwest quarter of said Section 16 to the east and west center line of the southwest quarter of the northwest quarter of said Section 16;

Thence westerly along the east and west center line of the southwest quarter of the northwest quarter of said Section 16 to the west line of said Section;

Thence northerly along the west line of said Section 16 to the east and west center line of the north half of the north half of said Section 16;

Thence westerly along the east and west center line of the north half of the north half of Section 17, Township 12 South, Range 4 West, S.B.M., to the north and south center line of the northwest quarter of said Section 17;

Thence northerly along the north and south center line of the northwest quarter of said Section 17 to the north line of said Section;

- Thence continuing northerly along the north and south center line of the southwest quarter of Section 8, Township 12 South, Range 4 West, S.B.M., a distance of 165 feet;
- Thence westerly parallel with the south line of said Section 8 to the west line thereof;
- Thence northerly along the east line of Section 7, Township 12 South, Range 4 West, S.B.M., to the east and west center line of the south half of said Section;
- Thence westerly along the east and west center line of the south half of said Section 7 to an intersection with a line drawn parallel to and distant 50 feet westerly from and measured at right angles to the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;
- Thence northerly parallel to and distant 50 feet westerly from the center line of said main track to the most easterly corner of Tract 230 of Thum Lands, as shown upon map Number 1681, filed for record in the office of the Recorder of San Diego County, California, December 9, 1915;
- Thence in an easterly direction by the most direct course to the most southerly corner of Tract 233 of said Thum Lands;
- Thence continuing in an easterly direction along the southerly line of Tracts 233 and 238 of said Thum Lands to an intersection with the east and west center line of the southwest quarter of the northwest quarter of Section 8, Township 12 South, Range 4 West, S.B.M.;
- Thence in an easterly direction along the east and west center line of the southwest quarter of the northwest quarter of said Section 8 to the north and south center line of the west half of said section;
- Thence in a southerly direction along the north and south center line of the west half of said Section 8 to an intersection with the northerly line of lot "H" of said Rancho Agua Hedionda;
- Thence in an easterly direction along the northerly line of said lot "H" to an intersection with the east and west center line of the north half of the south half of said Section 8;
- Thence easterly along the east and west center line of the north half of the south half of said Section 8 to the north and south center line of the southeast quarter of said section;
- Thence southerly along the north and south center line of the southeast quarter of said Section 8 to the east and west center line of the said southeast quarter;

- Thence easterly along the east and west center line of the southeast quarter of said Section 8 to the east line thereof;
- Thence northerly along the east line of said Section 8 to the east and west center line of said section;
- Thence easterly along the east and west center line of Section 9, Township 12 South, Range 4 West, S.B.M., to the north and south center line of the west half of said section;
- Thence northerly along the north and south center line of the northwest quarter of said Section 9 to the east and west center line of the southeast quarter of the northwest quarter of said section;
- Thence easterly along the east and west center line of the southeast quarter of the northwest quarter of said Section 9 to the north and south center line of said section;
- Thence northerly along the north and south center line of said section 9 to the east and west center line of the north half of said section;
- Thence easterly along the east and west center line of the north half of said section 9 to the north and south center line of the northeast quarter of said section;
- Thence northerly along the north and south center line of the northeast quarter of said section 9 to an intersection with the southerly line of lot "E" of said Rancho Agua Hedionda;
- Thence westerly and northwesterly along the southerly and westerly lines of said lot "E" to the most westerly corner of said lot;
- Thence westerly along the northerly line of lot "I" of said Rancho Agua Hedionda to an intersection with the easterly line of Tract 256 of said Thum lands;
- Thence northwesterly along the easterly line of Tracts 256, 255, 254, 253 and 252 of said Thum lands to the most northerly corner of said Tract 252;
- Thence southwesterly along the westerly line of said Tract 252 to the north line of Section 5, Township 12 South, Range 4 West, S.B.M.;
- Thence westerly along the line between Townships 11 and 12 South to the Southwest corner of Section 31, Township 11 South, Range 4 West, S.B.M.;
- Thence continuing westerly along the north line of Section 1, Township 12 South, Range 5 West, S.B.M., a distance of 495 feet;

Thence south to the east and west center line of the northeast quarter of the northeast quarter of said Section 1;

Thence westerly along the east and west center line of the northeast quarter of the northeast quarter of said Section 1 to the north and south center line of the east half of said Section;

Thence southerly along the north and south center line of the east half of said section 1 to the east and west center line of the north half of said section;

Thence westerly along the east and west center line of the north half of said section 1 to an intersection with a line drawn parallel with and distant 100 feet westerly from, when measured at right angles to, the center line of the main track of the Atchafalaya, Topeka and Santa Fe Railway Company;

Thence northwesterly parallel to and distant 100 feet westerly from the center line of the said main track to an intersection with the north line of Section 1, Township 12 South, Range 5 West, S.B.M.;

Thence westerly along the north line of said Section 1 to its intersection with the mean high tide line of the Pacific Ocean;

Thence in a direction, the general trend of which is southeasterly along the mean high tide line of the Pacific Ocean, to an intersection with the southerly line of the Rancho Agua Hedionda, as shown upon map number 825, filed in the office of the Recorder of San Diego County, California, November 16, 1896;

Thence easterly along the southerly line of the said Rancho Agua Hedionda to an intersection with the east line of Section 21, Township 12 South, Range 4 West, S.B.M., and the place of beginning.

Precinct No. 5.

Beginning at the southeast corner of Section 31, Township 11 South, Range 4 West, S.B.M.;

Thence northerly along the east line of said Section 31 to the southerly line of Eucalyptus Street in Hosp's Eucalyptus Forest Company's Tract Number 1, as per map thereof number 1136, filed for record June 8, 1908 in the office of the Recorder of San Diego County, California;

Thence in a direction, the general trend of which is westerly, along the southerly line of said Eucalyptus Street to an intersection with the east and west center line of said Section 31;

Thence westerly along the east and west center line of said Section 31 to the north and south center line of the west half of said section;

Thence southerly along the north and south center line of the west half of said Section 31 to the east and west center line of the south half of the northwest quarter of the southwest quarter of said section;

Thence westerly along the east and west center line of the south half of the northwest quarter of the southwest quarter of said Section 31 to the west line of said Section;

Thence southerly along the west line of said Section 31 to the southwest corner thereof;

Thence easterly along the south line of said Section 31 to the southeast corner thereof and the place of beginning.

Again beginning at the northeast corner of Section 36, Township 11 South, Range 5 West, S.B.M.;

Thence easterly along the south line of Sections 30 and 29, Township 11 South, Range 4 West, S.B.M., to an intersection with the north and south center line of the west half of said Section 29;

Thence northerly along the north and south center line of the west half of said Section 29 to the center of the northwest quarter thereof;

Thence westerly along the east and west center line of the north half of said Sections 29 and 30 to the west line of said Section 30;

Thence continuing westerly along the east and west center line of the north half of Section 25, Township 11 south, range

5 West, S.B.M., to an intersection with a line drawn parallel with and distant 50 feet southeasterly from, when measured at right angles to, the main track of the Escondido Branch of the Atchison, Topeka and Santa Fe Railway Company;

Thence southwesterly along a line drawn parallel with and distant 50 feet southeasterly from the center of said main track to the north and south center line of said Section 25;

Thence southerly along the north and south center line of said Section 25 to the northerly line of Block 91 in South Oceanside;

Thence southwesterly along the northerly line of Blocks 91 and 92 in South Oceanside to the easterly line of Morena Street;

Thence southerly along the easterly line of Morena Street to a point distant 1188 feet northwesterly from the intersection of the easterly line of Morena Street and the northerly line of Morse Street in South Oceanside;

Thence South 56 degrees West 720 Feet;

Thence North 34 degrees West 246.8 feet;

Thence South 37 degrees 1 minute West 648.9 feet;

Thence South 22 degrees 19 minutes west 1647.9 feet to the westerly line of Hill Street produced northwesterly;

Thence northwesterly along the westerly line of Hill Street produced to the southerly limits of the City of Oceanside;

Thence southwesterly along the southerly limits of the City of Oceanside to an intersection with a line drawn parallel with and distant 100 feet northeasterly from, when measured at right angles to, the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;

Thence Southeasterly along a line parallel with and 100 feet northeasterly from the center line of said main track to the southerly line of Morse Street in South Oceanside;

Thence southwesterly along the southerly line of Morse Street to the mean high tide line of the Pacific Ocean;

Thence in a direction, the general trend of which is Southeasterly along the mean high tide line of the Pacific Ocean, to an intersection with the south line of Section 36, Township 11 South, Range 5 West, S.B.M.;

Thence easterly along the south line of the said Section 36 to an intersection with a line drawn parallel with and distant 100 feet westerly from, when measured at right angles to, the center line of the main track of the Atchison, Topeka and Santa Fe Railway Company;

Thence northwesterly parallel to and distant 100 feet westerly from the center line of the said main track to an intersection with the northerly line of Eaton Street in South Oceanside, as per map thereof number 622 filed for record in the office of the Recorder of San Diego County, California, February 7, 1890;

Thence northeasterly along the said northerly line of Eaton Street to the easterly line of Hill Street in South Oceanside;

Thence southeasterly along the easterly line of Hill Street a distance of 390 feet;

Thence northeasterly parallel with the northerly line of Eaton Street to an intersection with the westerly line of Ditmar Street produced southerly;

Thence northwesterly along said produced westerly line of Ditmar Street a distance of 130 feet;

Thence northeasterly to a point on the south line of the northwest quarter of the southeast quarter of Section 36, Township 11 South, Range 5 West, S.B.M., which point is distant 330 feet west of the southeast corner of said northwest quarter of the southeast quarter;

Thence north to the east and west center line of said Section 36;

Thence easterly along the east and west center line of said Section 36 to an intersection with the easterly line of Block 56 in South Oceanside;

Thence northeasterly along the easterly line of Blocks 56 and 57 of South Oceanside to the east line of said Section 36;

Thence Northerly along the east line of said Section 36 to the northeast corner thereof, and the place of beginning.

You did not run up quite I'm afraid you

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C

Thence continuing in an Easterly direction along the Southerly line of Tracts 233 and 238 of said Thum Lands, to the Southeastly corner of said Tract 238

Thence in a Northeasterly direction along the Southeastly line of Tracts 238 and 243 of said Thum lands to the most Easterly corner of said Tract 243

Thence continuing on the same course to the most Southerly corner of Tract 247 of said Thum lands

Thence continuing ~~on the same course~~ along the Southeasterly line of Tracts 247 and 251 of said Thum Lands to the most Easterly corner of said Tract 251

Thence continuing on the same course to the most Southerly corner of Tract 256 of said Thum lands ~~there~~

Thence continuing along the Southeastly line of said Tract 256 to the most Easterly corner thereof X

C Thence continuing in an Easterly and ~~Northwesterly~~ direction along the southerly line of Tracts 233 and 238 of said ~~Thurman~~ ^{Thurman} lands to the south easterly corner of said Tract 238 Thence ~~continuing~~ in a Northwesterly direction along the Southeastly line of Tracts 238, 243, 247, 251, to the most Easterly corner of said Tract 251 Thence continuing on the same course to the most Southerly corner of Tract 256 of said Thurman lands Thence continuing along the Southeastly line of said Tract 256 to the most Easterly corner thereof

* Thence Northwesterly along the North easterly line of said Tract 256 to the North east corner thereof Thence continuing on the same course to the Southeast corner of Tract 255 of said Thurman lands Thence continuing Northwesterly along the Southeastly line of ~~said~~ Tracts 255, 254, 253 and 252 of said Thurman lands to the most northerly corner of said Tract 252

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✓ You See New Description

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PETITION FOR CHANGE OF BOUNDARIES OF AND
INCLUSION OF LANDS IN
THE CARDIFF IRRIGATION DISTRICT.

To the Board of Directors of the Cardiff Irrigation District,
in the county of San Diego, state of California:

The undersigned free-holders, owning lands hereinafter
described contiguous and adjacent to the boundaries of the Cardiff
Irrigation District, respectfully show to the Board of Directors
of the Cardiff Irrigation District : -

1. That they are free-holders and holders of title of
more than one-half of the lands hereinafter described.

2. That said lands are adjacent to the boundaries of the
Cardiff Irrigation District, and are contiguous, and which said
lands taken together constitute one tract of land.

3. That your petitioners, free-holders, owners and
holders of title of more than one-half of the lands which are
hereinafter described, pray that the boundaries of the present
Cardiff Irrigation District be changed so as to include said
lands in said Irrigation District as provided for and in accord-
ance with the provisions of an act of the legislature of the
state of California approved March 31, A.D. 1897, same being
an act to provide for the organization and government of
Irrigation Districts, and to provide for the acquisition or
construction thereby of works for the irrigation of the land
embraced within such district, and, also, to provide for the
distribution of water for irrigation purposes, and in accordance
with the provisions of the amendments and acts amendatory thereto.

4. The lands asked to be included within the boundaries
of the Cardiff Irrigation District and added to the present
Cardiff Irrigation District are all the lands situated in the
County of San Diego, state of California, contained within the
exterior boundaries described as follows, to wit:

COMMENCING at the northeast corner of Section 17, Township
14 South, Range 3 West, San Bernardino Meridian;

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- 1 Thence in a westerly direction along the north line of said Section 17 to the northwest corner thereof;
 - 2
 - 3 Thence in a northerly direction along the east line of Section 7 Township and Range aforesaid, to the one-quarter section corner on the east line of said Section 7;
 - 4
 - 5 Thence in a westerly direction along the east and west center lines of Section 7, Township 14 South, Range 3 West, and of Section 12, Township 14 South, Range 4 West, San Bernardino Meridian, to the center of said Section 12;
 - 6
 - 7 Thence in a southerly direction along the north and south center line of said Section 12 to the one-quarter section corner on the south line of said section;
 - 8
 - 9 Thence in a westerly direction along the south line of said Section 12 to the southwest corner thereof;
 - 10
 - 11 Thence in a northerly direction along the west line of said Section 12 a distance of 3,300 feet;
 - 12
 - 13 Thence in a westerly direction parallel to the north line of Section 11, Township 14 South, Range 4 West, San Bernardino Meridian, 660 feet;
 - 14
 - 15 Thence in a northerly direction parallel to the east line of said Section 11 to a point on the north line thereof and distant 660 feet west of the northeast corner of said section;
 - 16
 - 17 Thence in an easterly direction along the north line of Sections 11 and 12, Township and Range last aforesaid, to a point distant 1,320 feet east of the northwest corner of said Section 12;
 - 18
 - 19 Thence in a northerly direction parallel to the west line of Section 1, Township and Range last aforesaid, a distance of 660 feet;
 - 20
 - 21 Thence in an easterly direction parallel to the south line of said Section 1 to a point on the north and south center line of said Section;
 - 22
 - 23 Thence in a northerly direction along the north and south center line of said Section 1 to a point distant 1,320 feet north of the south line of said Section;
 - 24
 - 25 Thence in an easterly direction parallel to the south line of Section 1, Township 14 South, Range 4 West, and of Sections 5 and 6, Township 14 South, Range 3 West, San Bernardino Meridian, to a point distant 1,320 feet east of the west line of said Section 5;
 - 26
 - 27 Thence in a northerly direction parallel to the west line of said Section 5 to a point distant 1,320 feet north of the south line of Township 13 South, Range 3 West, San Bernardino Meridian, produced across the Rancho San Dieguito;
 - 28
 - 29
 - 30 Thence in an easterly direction parallel to the said township line produced a distance of 1,320 feet;
 - 31
 - 32 Thence in a northerly direction along the north and south center line of Section 32, Township and Range last aforesaid, if said section were projected upon the Rancho San Dieguito, to the center of said projected Section 32;
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- 1 Thence in an easterly direction parallel to the aforementioned produced south line of township 13 South, Range 3 West, San Bernardino Meridian, a distance of 1,320 feet;
 - 2
 - 3 Thence in a northerly direction parallel to the east line of said projected section 33 a distance of 3,960 feet;
 - 4
 - 5 Thence in an easterly direction parallel to said produced south line of Township 13 South, Range 3 West, San Bernardino Meridian, a distance of 5,280 feet;
 - 6
 - 7 Thence in a northerly direction parallel to the east line of Section 28, Township and Range last aforesaid, if said section were projected upon the Rancho San Dieguito, a distance of 1,320 feet;
 - 8
 - 9 Thence in an easterly direction to a point on the easterly line of the Rancho San Dieguito, said point being the intersection of the east and west center line of Section 27, Township and Range last aforesaid, with the said easterly line of Rancho San Dieguito as shown upon page 37, book 1, records of San Diego County, California, and filed in the office of the Clerk of said County;
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 - 11
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 - 13 Thence in a northerly direction along the said easterly line of Rancho San Dieguito to a point distant 330 feet north of and measured at right angles to the south line of Section 22, township and range last aforesaid;
 - 14
 - 15
 - 16 Thence in an easterly direction parallel to the south line of said Section 22 to a point distant 1,650 feet west of the east line of said section;
 - 17
 - 18 Thence in a northerly direction parallel to the east line of said Section 22 a distance of 330 feet;
 - 19
 - 20 Thence in an easterly direction parallel to the south line of said Section 22 a distance of 330 feet;
 - 21
 - 22 Thence in a northerly direction parallel to the east line of said Section 22 a distance of 660 feet;
 - 23
 - 24 Thence in an easterly direction parallel to the south line of Sections 22 and 23, Township and Range last aforesaid, a distance of 2,310 feet;
 - 25
 - 26 Thence in a northerly direction parallel to the west line of said section 23 a distance of 330 feet;
 - 27
 - 28 Thence in an easterly direction parallel to the south line of said Section 23 a distance of 330 feet;
 - 29
 - 30 Thence in a northerly direction parallel to the west line of said Section 23 a distance of 330 feet;
 - 31
 - 32 Thence in an easterly direction parallel to the west line of said Section 23 a distance of 660 feet to the east and west center line of said Section;
 - 33
 - 34 Thence in an easterly direction along the east and west center line of said Section 23 a distance of 330 feet to a point on said east and west center line distant 660 feet west of the center of said Section;

- 1 Thence in a northerly direction parallel to the north and south center line of said Section 23 a distance of 660 feet;
- 2
- 3 Thence in an easterly direction parallel to the east and west center line of said Section 23 a distance of 165 feet;
- 4 Thence in a northerly direction parallel to the north and south center line of said Section 23 a distance of 660 feet;
- 5
- 6 Thence in an easterly direction parallel to the north line of said Section 23 a distance of 165 feet;
- 7 Thence in a northerly direction parallel to the north and south center line of said Section 23 a distance of 660 feet;
- 8
- 9 Thence in an easterly direction parallel to the north line of said section 23 a distance of 330 feet to a point on the north and south center line of said section;
- 10
- 11 Thence in a northerly direction along the north and south center line of said Section 23 a distance of 660 feet to the one-quarter section corner on the north line of said section;
- 12
- 13 Thence in a westerly direction along the north line of said section 23 a distance of 825 feet;
- 14 Thence in a southerly direction parallel to the north and south center line of said Section 23 a distance of 330 feet;
- 15
- 16 Thence in a westerly direction parallel to the north line of said Section 23 a distance of 330 feet;
- 17 Thence in a Southerly direction parallel to the north and south center line of said Section 23 a distance of 330 feet;
- 18
- 19 Thence in a westerly direction parallel with the north line of said Section 23 a distance of 825 feet;
- 20 Thence in a southerly direction parallel to the west line of said Section 23 a distance of 165 feet;
- 21
- 22 Thence in a westerly direction parallel to the north line of said Section 23 a distance of 660 feet;
- 23 Thence in a southerly direction along the west line of said Section 23 a distance of 495 feet;
- 24
- 25 Thence in a westerly direction parallel to the north line of Section 22, Township 13 South, Range 3 West, San Bernardino Meridian, a distance of 1,320 feet;
- 26
- 27 Thence in a northerly direction parallel to the east line of said Section 22 a distance of 330 feet;
- 28 Thence in a westerly direction parallel to the north line of said Section 22 a distance of 660 feet;
- 29
- 30 Thence in a northerly direction parallel to the east line of said Section 22 a distance of 330 feet;
- 31 Thence in a westerly direction parallel to the north line of said Section 22 to an intersection with the easterly line of the Rancho San Dieguito, said easterly line being as shown on page 37, book 1, records of San Diego County, California, filed in the office of the Clerk of said County;
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1 Thence in a northerly direction along said easterly line of
Rancho San Dieguito to the northeast corner of said Rancho;

2
3 Thence in a westerly and northwesterly direction along the
northerly line of said Rancho San Dieguito to an intersection
4 with the easterly line of Rancho Los Encinitas, as the same is
shown upon Map Number 848, filed for record June 27, 1898, in
5 the office of the Recorder of San Diego County, California;

6 Thence in a northerly direction along the said easterly line of
Rancho Los Encinitas to the northeast corner of Lot 25 of
7 Subdivision of Rancho Los Encinitas, as the same is shown
upon Map Number 848, Records of San Diego County, California,
8 filed in the office of the Recorder of said County;

9 Thence in a westerly direction along the northerly line of said
Lot 25 to an intersection with the easterly line of Block 91
10 of Colony Olivenhain as the same is shown upon Map Number 326,
Records of San Diego County, California, filed in the office
11 of the Recorder of said County, July 8, 1885;

12 Thence in a southwesterly direction along the easterly line
of said Block 91 to the southeast corner thereof;

13 Thence in a northwesterly direction along the southerly line of
14 Blocks 90 and 91 of said Colony Olivenhain to the southwest
corner of said Block 90;

15 Thence in a southwesterly direction along the easterly line of
16 Block 85 of said Colony Olivenhain to the northwest corner of
Block 80 of said Colony Olivenhain;

17 Thence in a southeasterly direction along the northerly line of
18 said Block 80 to the northeast corner thereof;

19 Thence in a southwesterly direction along the easterly line of
said Block 80 to the southeast corner thereof;

20 Thence in a northwesterly direction along the southerly line of
21 said Block 80 and the said southerly line produced westerly
to the southeast corner of Block 79 of said Colony Olivenhain;

22 Thence in a southwesterly direction along the easterly line of
23 Blocks 49, 58 and 68 of said Colony Olivenhain to the southeast
corner of said Block 49;

24 Thence in a northwesterly direction along the southerly line of
25 Blocks 47, 48 and 49 of said Colony Olivenhain to the southwest
corner of said Block 47;

26 Thence in a southwesterly direction parallel to the easterly
27 line of Block 40 of said Colony Olivenhain to an intersection
with the southerly line of said Block 40 if produced easterly;

28 Thence in a southeasterly direction along the southerly line
29 produced of said Block 40 to an intersection with the north-
westerly line of Rancho San Dieguito as shown on page 37, book 1,
30 records of San Diego County, California, filed in the office of
the Clerk of Said County;

31 Thence in a southwesterly direction along the northwesterly line
32 of said Rancho San Dieguito to the northwest corner of said
Rancho San Dieguito, said northwest corner being also the most
33 southerly corner of Rancho Los Encinitas;

1 Thence in a southerly direction along the westerly line of said
2 Rancho San Dieguito to an intersection with the east and west
center line of Section 35, Township 13 South, Range 4 West,
San Bernardino Meridian;

3
4 Thence in a westerly direction along the east and west center
line of said section 35 to a point distant 990 feet east of the
center of said section;

5
6 Thence in a southerly direction parallel to the north and south
center line of said section 35 a distance of 1,320 feet;

7 Thence in an easterly direction parallel to the south line of
said Section 25 a distance of 330 feet;

8
9 Thence in a southerly direction parallel to the north and south
center line of said section 25 a distance of 660 feet;

10 Thence in an easterly direction parallel to the south line of
11 said section 25 to an intersection with the southwesterly line
of Rancho San Dieguito as shown on page 37, book 1, records of
12 San Diego County, California, filed in the office of the Clerk
of said County;

13 Thence in a southeasterly direction along the southwesterly
14 line of said Rancho San Dieguito to an intersection with the
east line of Section 25, Township 13 South, Range 4 West,
San Bernardino Meridian;

15
16 Thence in a southerly direction along the eastline of said
Section 25 to the southeast corner thereof;

17 Thence in a westerly direction along the south line of said
18 Section 25 a distance of 3,960 feet;

19 Thence in a northerly direction parallel to the west line of said
section 25 a distance of 1,320 feet;

20 Thence in a westerly direction parallel to the south line of
21 said section 25 to a point on the west line thereof;

22 Thence in a southerly direction along the west line of said
section 25 a distance of 660 feet;

23 Thence in a westerly direction parallel to the south line of
24 Section 26, Township and Range last aforesaid, a distance of
1,320 feet;

25 Thence in a southerly direction parallel to the east line of said
26 Section 26 to the south line thereof;

27 Thence in a westerly direction along the south line of said
28 Section 26 to the one-quarter section corner on the south
line of said section;

29 Thence in a southerly direction along the north and south center
line of Section 35, Township and Range last aforesaid, a
30 distance of 1,320 feet;

31 Thence in a westerly direction parallel to the north line of
Sections 34 and 35, Township and Range last aforesaid, to a
32 point distant 50 feet westerly from and measured at right angles
to the center line of the main track of the Atchison, Topeka
and Santa Fe Railway Company;

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- 1 Thence in a northwesterly direction parallel to the center line
2 of said main track and distant 50 feet therefrom to an inter-
section with the north line of said Section 34;
- 3 Thence in a westerly direction along the north line of said
4 Section 34 to a point distant 1,320 feet west of the northeast
corner of said section;
- 5 Thence in a northerly direction parallel to the east line of
6 Section 27, Township and Range last aforesaid, to an inter-
7 section with a line drawn 50 feet westerly from and measured
at right angles to the center line of the main track of the
Atchison, Topeka and Santa Fe Railway Company;
- 8 Thence in a northwesterly direction parallel to the center line
9 of said main track and distant 50 feet westerly therefrom to a
point distant 1320 feet south of the east and west center line
10 of said Section 27;
- 11 Thence in an easterly direction parallel to the east and west
center line of said Section 27 to a point 1,320 feet west of
12 the east line of said Section;
- 13 Thence in a northerly direction parallel to the east line of
said Section 27 to an intersection with the east and west center
14 line thereof;
- 15 Thence in an easterly direction along the east and west center
line of said Section 27 to the one-quarter section corner on the
16 east line of said Section;
- 17 Thence in a southerly direction along the east line of said
Section 27 to an intersection with the north line of the
18 County Highway, known as "A" line of New Survey No. 139, a map
of which is on file in the office of the Surveyor of San Diego
County, California;
- 19 Thence along the northerly line of the said County Highway in
20 a direction, the general trend of which is easterly, to an
intersection with the east and west center line of Section 26,
21 Township and Range last aforesaid;
- 22 Thence in an easterly direction along the east and west center
line of said Section 26 to the one-quarter section corner on
23 the east line thereof;
- 24 Thence in a northerly direction along the east line of said
Section 26 to the northeast corner thereof;
- 25 Thence in a westerly direction along the north line of said
26 Section 26 a distance of 1,320 feet;
- 27 Thence in a northerly direction parallel to the east line of
Section 23, Township and Range last aforesaid, to an inter-
28 section with the east and west center line of said Section;
- 29 Thence in a westerly direction along the said east and west
center line a distance of 660 feet;
- 30 Thence in a northerly direction parallel to the north and south
center line of said Section 23 to an intersection with the
31 north line of said Section;
- 32 Thence in an easterly direction along the north line of Sections
33 23 and 24, Township and Range last aforesaid, to an intersection

1 with the westerly line of Rancho Los Encinitas as the same is
2 shown upon Map Number 848, Records of San Diego County, Cal-
3 ifornia, filed in the office of the Recorder of said County,
4 June 27, 1898;

5 Thence in a southeasterly direction along the said westerly line
6 of Rancho Los Encinitas to an intersection with the southerly
7 line of First Street, produced westerly, of Colony Olivenhain,
8 as the same is shown upon Map Number 326, Records of San Diego
9 County, California, filed in the office of the Recorder of
10 said County July 8, 1885;

11 Thence in a southeasterly direction along the said southerly
12 line of First Street produced to an intersection with the
13 easterly line of "B" Street of said Colony Olivenhain;

14 Thence in a northeasterly direction along the said easterly line
15 of "B" Street to the southwest corner of Block 6 of said Colony
16 Olivenhain;

17 Thence in a northwesterly direction along the south line of
18 Block 96 of said Colony Olivenhain and said south line produced
19 westerly to an intersection with the easterly line of Colony
20 Avenue produced southerly of said Colony Olivenhain;

21 Thence in a northeasterly direction along the said east line
22 and the east line produced of Colony Avenue to an intersection
23 with the southerly line of Sixth Street, produced westerly,
24 of said Colony Olivenhain;

25 Thence in a southeasterly direction along the said produced
26 southerly line of Sixth Street to an intersection with the
27 easterly line of "A" Street, produced southerly, of said
28 Colony Olivenhain;

29 Thence in a northwesterly direction along the said produced
30 easterly line of "A" Street to the northeast corner of Lot 24
31 of said Rancho Los Encinitas;

32 Thence in a westerly direction along the north line of said
33 Lot 24 to the northwest corner thereof;

34 Thence in a northerly direction along the east line of Lot 20
35 of said Rancho Los Encinitas to the northeast corner thereof;

36 Thence in a westerly direction along the north line of said
37 Lot 20 to the northwest corner thereof;

38 Thence in a northerly direction along the east line of Lot 12
39 of said Rancho Los Encinitas a distance of 1,320 feet;

40 Thence in a westerly direction parallel to the north line of
41 said Lot 12 to an intersection with the west line thereof;

42 Thence in a southerly direction along the west line of said Lot 12
43 to an intersection with the westerly line of said Rancho Los
44 Encinitas;

45 Thence in a southeasterly direction along the said westerly line
46 of Rancho Los Encinitas to an intersection with the east and
47 west center line of Section 13, Township 13 South, Range 4 West,
48 San Bernardino Meridian;

49 Thence in a westerly direction along the east and west center line
50 of Sections 13 and 14, Township and Range last aforesaid, to
51 the center of said Section 14;

1 Thence in a northerly direction to the one-quarter section
corner on the north line of said Section 14;

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3 Thence in a westerly direction along the north line of said
Section 14 a distance of 1,320 feet;

4 Thence in a northerly direction parallel to the westerly line of
5 Sections 2 and 11, Township and Range last aforesaid, to the
northeast corner of the southwest quarter of the southwest
6 quarter of said Section 2;

7 Thence in a westerly direction parallel to the south line of
said Section 2 to an intersection with the west line of said
8 section;

9 Thence in a northerly direction along the west line of said
Section 2 to the northwest corner thereof;

10 Thence in a westerly direction along the line between Townships
11 12 and 13 South to the southeast corner of Section 34, Town-
ship 12 South, Range 4 West, San Bernardino Meridian;

12 Thence in a northerly direction along the east line of said
Section 34 to the northeast corner of Lot 8 of said Section;

13 Thence in a westerly and southwesterly direction along the
14 northerly lines of Lots 5, 6, 7 and 8 of said Section 34 to
the west line of said section;

15 Thence in a westerly, northwesterly, and southwesterly direction
16 along the northerly lines of Lots 7, 8, 9 and 10 of Section 33,
Township and Range last aforesaid, to the mean high tide line
17 of the Pacific Ocean;

18 Thence in a southerly and southeasterly direction, following
19 the meanderings of the said mean high tide line, to an inter-
section with the northerly limits of the City of San Diego;

20 Thence in a southeasterly direction along the said northerly
21 limits of the City of San Diego to an intersection with the
east and west center line of Section 25, Township 14 South,
22 Range 4 West, San Bernardino Meridian;

23 Thence in an easterly direction along the east and west center
line of Section 25, Township and Range last aforesaid and of
24 Section 30, Township 14 South, Range 3 West, San Bernardino
Meridian, to the center of said Section 30;

25 Thence in a northerly direction along the north and south center
line of said Section 30 a distance of 1,320 feet;

26 Thence in an easterly direction to the southeast corner of the
27 northeast quarter of the northeast quarter of said Section 30;

28 Thence in a northerly direction along the east line of Sections
29 19 and 30, Township and Range last aforesaid, to a point on the
east line of said Section 19 distant 297 feet south from the
one-quarter section corner on the east line of said Section;

30 Thence in a northeasterly direction 660 feet to a point distant
31 197.8 feet south of the east and west center line of Section 20;

32 Thence north to an intersection with the east and west center
33 line of said Section 20;

1 Thence in an easterly direction along the east and west center
line of said Section 30 to the center thereof;

2
3 Thence in a northerly direction along the north and south
center line of said Section 30 a distance of 1,320 feet;

4 Thence in an easterly direction to the southeast corner of the
northeast quarter of the northeast quarter of said Section 30;

5
6 Thence in a northerly direction along the east line of Sections
17 and 30, Township and Range last aforesaid, to the northeast
corner of Section 17 and the point of beginning.

7
8 Excepting from the above described area the lands contained
within the boundaries described as follows:

9 Beginning at the northwest corner of Section 21, Township 13
10 South, Range 4 West, San Bernardino Meridian;

11 Thence in an easterly direction along the north line of said
Section 21 to the northeast corner thereof;

12
13 Thence in a northerly direction along the west line of Section
15, Township and Range aforesaid, to the northwest corner of
the southwest quarter of the southwest quarter of said section;

14
15 Thence in an easterly direction, along the south one-quarter
one-quarter section line of said section to an intersection
16 with the north and south center line of the southwest quarter
of the southeast quarter of said Section 15;

17 Thence in a southerly direction along the north and south
center line of the southwest quarter of the southeast quarter
18 of said Section 15 and of the northwest quarter of the north-
east quarter of Section 23, Township and Range aforesaid, to
19 an intersection with the north one-quarter one-quarter
section line of said section;

20
21 Thence in an easterly direction along the said north one-quarter
one-quarter section line to the northeast corner of the
southwest quarter of the northeast quarter of said section;)

22
23 Thence in a southerly direction along the east one-quarter
one-quarter section line of said Section 23 to the east and
west center line of said section;

24
25 Thence in an easterly direction along the said east and west
center line to the one-quarter section corner on the east line
of said Section 23;

26
27 Thence in a southerly direction along the east line of Sec-
tions 23 and 27, Township and Range aforesaid to an intersection
28 with the east and west center line of the southwest quarter
of the northwest quarter of Section 26, Township and Range
aforesaid;

29
30 Thence in an easterly direction along the east and west center
line of the southwest quarter of the northwest quarter of said
Section 26, to an intersection with the west one-quarter
31 one-quarter section line of said section;

32 Thence in a southerly direction along the west one-quarter
one-quarter section line of said Section 26 to an intersection
33 with the east and west center line of said section;

1 Thence in an easterly direction along the east and west center
2 line of said Section 26 to an intersection with the north line
3 of the County Highway, known as "A" line of New Survey No.139,
4 a map of which is on file in the office of the Surveyor of
5 San Diego County, California;

6 Thence along the north line of said County Highway in a general
7 westerly direction to an intersection with the east line of
8 Section 27, Township and Range aforesaid;

9 Thence in a northerly direction along the east line of said
10 Section 27 to the one-quarter section corner on the east line
11 thereof;

12 Thence in a westerly direction along the east and west center
13 line of said Section 27 to the northwest corner of the north-
14 east quarter of the southeast quarter of said section;

15 Thence in a southerly direction along the east one-quarter
16 one-quarter section line of said section 27 to the southwest
17 corner of the northeast quarter of the southeast quarter of
18 said Section;

19 Thence in a westerly direction along the south one-quarter
20 one-quarter section line of said Section 27 to the west line
21 thereof;

22 Thence in a northwesterly direction along the west line of said
23 Section 27 to the northwest corner thereof;

24 Thence in an easterly direction along the north line of said
25 Section 27 to an intersection with the east line of the State
26 Highway;

27 Thence in a northwesterly direction along the east line of the
28 State Highway to its intersection with the east line of
29 Section 21, Township and Range aforesaid;

30 Thence in a southerly direction along the east line of said
31 Section 21 to the southeast corner thereof;

32 Thence in a northwesterly direction along the southwesterly
33 line of said Section 21 to the northwest corner thereof and
the place of beginning.

Excepting from the last described area the northeast quarter
of the northwest quarter, and the east half of the southeast
quarter of the northwest quarter of Section 22, Township and
Range aforesaid.

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1 STATE OF CALIFORNIA,)
2 COUNTY OF SAN DIEGO) SS.

3 On this _____ day of _____, A.D., 1918,
4 before me _____ a Notary Public in and for
5 said County and State, Residing therein, duly commissioned
6 and sworn, personally appeared

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26 known to me to be the persons described in and whose names
27 are subscribed to the within instrument, and acknowledged to
me that they executed the same.

28 IN WITNESS WHEREOF, I have hereunto set my hand
29 and affixed my Official Seal, at my office, in
30 County of San Diego, State of California, the day and year
31 in this certificate first above written.

32 _____
33 Notary Public in and for the County
of San Diego, State of California.

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Southern Tule Guaranty

PROPERTY OF ~~SEMPER~~ LAND COMPANY IN PROPOSED
ENLARGEMENT OF CARDIFF IRRIGATION DISTRICT.

Owned by Southern Telephone Co.

1 The property in San Diego County, California, described
2 as follows:

3 Northeast Quarter)
4 and) Section 1, T 14 S, R 4 W, S.B.M.
5 Northwest Quarter of)
6 Southwest quarter)

6 Northwest quarter of)
7 Northeast quarter)
8 and) Section 2, T 14 S, R 4 W, S.B.M.
7 South half of Northeast)
8 quarter of Northeast quarter)

9 Fractional South half west)
10 of Rancho San Dieguito)
11 and) Section 31, T 13 S, R 3 W, S.B.M.
10 Fractional East half of)
11 Northwest quarter west of)
12 Rancho San Dieguito)

12 South half)
13 and) Section 36, T 13 S, R 4 W, S.B.M.
13 South half of north half)

14 Southeast quarter)
15 and)
16 Southwest quarter of)
16 Northeast quarter)
17 and) Section 35, T 13 S, R 4 W, S.B.M.
17 South half of northwest)
18 quarter)
18 and)
19 North half of)
19 southwest quarter)

20 North half of South half)
21 and)
21 South half of north half)
22 and) Fractional Section 34, T 13 S,
22 North half of north half)
23 west of westerly line of)
23 Atchison, Topeka and Santa)
24 Fe Railway Company's)
24 right of way)

25 Also the following described property:

26
27 Beginning at the southwest corner of Rancho Agua Hedionda, being
28 corner Number 6 as shown upon the map referred to in
29 patent issued by the United States to the heirs of Juan
30 Maria Marron, deceased, and recorded in Book 1 of Patents
31 at page 150 et seq, in the office of the Recorder of San
32 Diego County, California;

31 Thence North 89° 59' East along the south line of said Rancho
32 5,317.58 feet;

32 Thence North 0° 32' West to an intersection with the east and
33 west center line of Section 16, Township 12 South, Range
34 4 West, San Bernardino Meridian, if the same were projected
35 upon said Rancho;

1 Thence westerly along the east and west center line of said pro-
2 jected Section 16 to an intersection with the north and
3 south center line of the west half of said projected
4 Section;

5 Thence northerly along the north and south center line of the
6 west half of said projected Section 16 to an intersection
7 with the east and west center line of the southwest
8 quarter of the northwest quarter of said projected
9 section;

10 Thence westerly along the east and west center line of the south-
11 west quarter of the northwest quarter of said projected
12 Section 16 to the west line thereof;

13 Thence northerly along the west line of said projected Section
14 16 to an intersection with the east and west center line
15 of the north half of the north half of Section 17, township
16 and range aforesaid, if the same were projected upon said
17 Rancho Agua Hedionda;

18 Thence westerly along the east and west center line of the north
19 half of the north half of said projected Section 17 to an
20 intersection with the north and south center line of the
21 northwest quarter of said projected Section;

22 Thence northerly along the north and south center line of the
23 northwest quarter of said projected Section 17 and along
24 the north and south center line of the southwest quarter
25 of Section 8, Township and Range aforesaid, if the same
26 were projected upon Rancho Agua Hedionda, to an intersec-
27 tion with the east and west center line of the south half of
28 South half of the southwest quarter of the southwest quarter of said
29 projected Section 8;

30 Thence westerly along the east and west center line of the south
31 half of the southwest quarter of the southwest quarter of
32 said projected Section 8 to the west line thereof;

33 Thence northerly along the west line of said projected Section 8
to an intersection with the east and west center line of
the southeast quarter of Section 7, township and range
aforesaid, if the same were projected upon Rancho Agua
Hedionda;

Thence westerly along the east and west center line of the south-
east quarter of said projected Section 7 to an intersection
with the westerly line of right of way of the Atchison,
Topeka and Santa Fe Railway Company;

Thence northwesterly along the said westerly line of right of way
to an intersection with the northerly line of Lot "H" of
Rancho Agua Hedionda, as shown on Map Number 823 filed in
the office of the County Recorder;

Thence westerly along the said northerly line of Lot "H" to the
mean high tide line of the Pacific Ocean;

Thence in a general southeasterly direction following the meander-
ings of the said mean high tide line to the point of be-
ginning.

1 Also all the land lying south of the northerly line of
2 said above described tract of land and north of the south line
3 of said Rancho Agua Hedionda as determined and established by
4 judgment of the Superior Court of San Diego County, California,
5 given and rendered May 5, 1913, in an action in which Kelly
6 Investment Company was plaintiff, and Clarence Dayton Hillman
7 and Bessie Olive Hillman, defendants, and east of mean high tide
8 line of the Pacific Ocean and west of the most easterly line of
9 the above described tract of land; and also the south 1320 feet of
10 Lot "H" of said Rancho.

11 Excepting from the above described tracts of land
12 easements for rights of way for railways, highways and other
13 purposes.
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PETITION FOR CHANGE OF BOUNDARIES OF AND INCLUSION
OF LANDS IN THE CARDIFF IRRIGATION DISTRICT.

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To the Board of Directors of the Cardiff
Irrigation District, in the County of San Diego,
State of California:

The undersigned, a free holder owning land hereinafter described, contiguous and adjacent to the boundaries of the Cardiff Irrigation District, respectfully shows to the Board of Directors of the Cardiff Irrigation District:

First, That he is a free holder, and holder of title of all the lands hereinafter described:

Second, That the said land is adjacent to the boundaries of the Cardiff Irrigation District, and is contiguous, and which said lands taken together constitute one tract of land:

Third, That your petitioner, a free holder, owner and holder of title of all the lands which are hereinafter described, prays that the boundaries of the present Cardiff Irrigation District be changed so as to include said land in the said Irrigation District, as provided for and in accordance with the provisions of an Act of the Legislature of the State of California, approved March 31st, A.D. 1897, same being an act to provide for the organization and government of irrigation districts, and to provide for the acquisition of construction thereby of works for the irrigation of the lands embraced within such district, and, also, to provide for the distribution of water for irrigation purposes, and in accordance with the provisions of the amendments and acts amendatory thereto; and, your petitioner, who is the owner of said lands and the whole thereof, hereinabove referred to and hereinafter described, hereby assents to the inclusion within said district of the said lands and the whole and every part thereof.

Fourth, the said lands above referred to and sought to be included within the boundaries of the Cardiff Irrigation District and added to the present Cardiff Irrigation District, are all the lands situated in the County of San Diego, State of California, contained within the exterior boundaries described as follows, to-wit:

The Southeast 1/4 of Section 14.

The North 1/2 of the Northeast 1/4; and the West 1/2 of Section 23, all in Township 13 South, Range 3 West, S.B.M., containing in all 560 acres, more or less.

WITNESS MY HAND AND SIGNATURE THIS THIRD DAY OF NOVEMBER, 1919.

(Signed) William G. Henshaw

Acknowledged by Lou B. Mathews, Nov. 3rd, 1919.

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PROPERTY OF SYNDICATE LAND COMPANY IN PROPOSED
ENLARGEMENT OF CARDIFF IRRIGATION DISTRICT.

1 The property in San Diego County, California, described
2 as follows:

3	Northeast Quarter	}	Section 1, T 14 S, R 4 W, S.B.M.
4	and Northwest Quarter of Southwest quarter		
5		}	Section 2, T 14 S, R 4 W, S.B.M.
6	Northwest quarter of Northeast quarter		
7	and South half of Northeast quarter of Northeast quarter		
8		}	Section 31, T 13 S, R 3 W, S.B.M.
9	Fractional South half west of Rancho San Dieguito		
10	and Fractional East half of Northwest quarter west of Rancho San Dieguito	}	Section 36, T 13 S, R 4 W, S.B.M.
11			
12	South half	}	Section 35, T 13 S, R 4 W, S.B.M.
13	and South half of north half		
14	Southeast quarter	}	Section 34, T 13 S, R 4 W, S.B.M.
15	and Southwest quarter of Northeast quarter		
16	and South half of northwest quarter		
17	and North half of southwest quarter		
18			
19	North half of South half	}	Section 34, T 13 S, R 4 W, S.B.M.
20	and South half of north half		
21	and North half of north half west of westerly line of Atchison, Topeka and Santa Fe Railway Company's right of way		
22			
23		}	Section 34, T 13 S, R 4 W, S.B.M.
24			

25 Also the following described property:

26
27 Beginning at the southwest corner of Rancho Agua Hedionda, being
28 corner Number 6 as shown upon the map referred to in
29 patent issued by the United States to the heirs of Juan
30 Maria Marron, deceased, and recorded in Book 1 of Patents
31 at page 150 et seq. in the office of the Recorder of San
32 Diego County, California;

33 Thence North 89° 59' East along the south line of said Rancho
34 5,317.58 feet;

35 Thence North 0° 32' West to an intersection with the east and
36 west center line of Section 16, Township 12 South, Range
37 4 West, San Bernardino Meridian, if the same were projected
38 upon said Rancho;

- 1 Thence westerly along the east and west center line of said pro-
2 jected Section 16 to an intersection with the north and
3 south center line of the west half of said projected
4 Section;
- 5 Thence northerly along the north and south center line of the
6 west half of said projected Section 16 to an intersection
7 with the east and west center line of the southwest
8 quarter of the northwest quarter of said projected
9 section;
- 10 Thence westerly along the east and west center line of the south-
11 west quarter of the northwest quarter of said projected
12 Section 16 to the west line thereof;
- 13 Thence northerly along the west line of said projected Section
14 16 to an intersection with the east and west center line
15 of the north half of the north half of Section 17, township
16 and range aforesaid, if the same were projected upon said
17 Rancho Agua Hedionda;
- 18 Thence westerly along the east and west center line of the north
19 half of the north half of said projected Section 17 to an
20 intersection with the north and south center line of the
21 northwest quarter of said projected Section;
- 22 Thence northerly along the north and south center line of the
23 northwest quarter of said projected Section 17 and along
24 the north and south center line of the southwest quarter
25 of Section 8, Township and Range aforesaid, if the same
26 were projected upon Rancho Agua Hedionda, to an intersec-
27 tion with the east and west center line of the south half of
28 South half of the southwest quarter of the southwest quarter of said
29 projected Section 8;
- 30 Thence westerly along the east and west center line of the south
31 half of the southwest quarter of the southwest quarter of
32 said projected Section 8 to the west line thereof;
- 33 Thence northerly along the west line of said projected Section 8
to an intersection with the east and west center line of
the southeast quarter of Section 7, township and range
aforesaid, if the same were projected upon Rancho Agua
Hedionda;
- Thence westerly along the east and west center line of the south-
east quarter of said projected Section 7 to an intersection
with the westerly line of right of way of the Atchison,
Topeka and Santa Fe Railway Company;
- Thence northwesterly along the said westerly line of right of way
to an intersection with the northerly line of Lot "H" of
Rancho Agua Hedionda, as shown on Map Number 823 filed in
the office of the County Recorder;
- Thence westerly along the said northerly line of Lot "H" to the
mean high tide line of the Pacific Ocean;
- Thence in a general southeasterly direction following the meander-
ings of the said mean high tide line to the point of be-
ginning.

1 Also all the land lying south of the northerly line of
2 said above described tract of land and north of the south line
3 of said Rancho Agua Hedionda as determined and established by
4 judgment of the Superior Court of San Diego County, California,
5 given and rendered May 5, 1913, in an action in which Kelly
6 Investment Company was plaintiff, and Clarence Dayton Hillman
7 and Bessie Olive Hillman, defendants, and east of mean high tide
8 line of the Pacific Ocean and west of the most easterly line of
9 the above described tract of land; and also the south 1320 feet of
10 Lot "H" of said Rancho.
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12 Excepting from the above described tracts of land
13 easements for rights of way for railways, highways and other
14 purposes.
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1 LANDS OF SANTA FE LAND AND IMPROVEMENT COMPANY IN PROPOSED ENLARGE-
2 MENT OF CARDIFF IRRIGATION DISTRICT.

3
4 The following described land situated in San Diego
5 County, California:

6 Beginning at the most westerly corner of Rancho San Dieguito,
7 which point is also the most southerly corner of Rancho
8 Los Encinitas;

9 Thence northeasterly, southeasterly and easterly along the
10 northerly boundary of Rancho San Dieguito to the north-
11 easterly corner thereof;

12 Thence southerly along the easterly boundary of Rancho San Dieguito
13 to an intersection with the east and west center line of
14 Section 27; Township 13 South, Range 3 West, San Bernardino
15 Meridian;

16 Thence westerly along the east and west center lines of Section
17 27 and 28, Township and Range aforesaid, if the same were
18 projected upon said Rancho San Dieguito, to an intersection
19 with the north and south center line of the southeast
20 quarter of said projected Section 28; ✓

21 Thence southerly along the north and south center line of the
22 southeast quarter of said projected Section 28 to the
23 center of said southeast quarter;

24 Thence westerly along the east and west center line of the south
25 half of said projected Section 28 and along the east and
26 west center line of the south half of Section 29, if the
27 same were projected upon Rancho San Dieguito, to the
28 center of the southeast quarter of said Section 29, Town-
29 ship and Range aforesaid;

30 Thence southerly along the north and south center line of the
31 southeast quarter of said projected Section 29 and
32 along the north and south center line of the northeast
33 quarter of Section 32, if the same were projected upon
Rancho San Dieguito, to the south line of the northeast
quarter of said Section 32, Township and Range aforesaid;

Thence westerly along the east and west center line of said
projected Section 32 to the center of said Section;

Thence southerly along the north and south center line of said
projected Section 32 to an intersection with the east
and west center line of the southwest quarter of said
section;

Thence westerly along the east and west center line of the
southwest quarter of said projected Section 32 to the
center of the southwest quarter of said Section;

Thence southerly along the north and south center line of the
southwest quarter of said projected Section 32 to the
line between Townships 13 and 14 South, Range 3 West,
S.B.M.; ✓

1 Thence continuing southerly along the north and south center line
2 of the northwest quarter of Section 5, Township 14 South,
3 Range 3 West, S. B. M., if the same were projected upon
Rancho San Dieguito, to an intersection with the east and
west center line of said projected Section 5;

4 Thence westerly along the east and west center line of said pro-
5 jected Section 5 to an intersection with the westerly
boundary of Rancho San Dieguito;

6 Thence northwesterly and northerly along the westerly boundary
7 of Rancho San Dieguito to the point of beginning.

8 Excepting from the above described property the following:

9 Beginning at a point whence Corner No. 7, Patent Survey of Rancho
10 San Dieguito bears North 3° 36' East 1917.1 feet, said
corner No. 7 being located in Section 16, Township 13
11 South, Range 3 West, San Bernardino Meridian;

- 11 Thence South 29° 54' East 124.9 feet;
- 12 Thence South 13° 45' East 177.7 feet;
- 13 Thence South 54° 53' East 259.7 feet;
- 14 Thence South 42° 05' East 365.9 feet;
- 15 Thence South 58° 50' East 254.5 feet;
- 16 Thence South 23° 50' East 134.1 feet;
- 17 Thence South 8° 55' East 152.5 feet;
- 18 Thence South 28° 15' East 159.7 feet;
- 19 Thence North 70° 57' East 82.6 feet;
- 20 Thence North 9° 50' West 166.4 feet;
- 21 Thence North 21° 05' East 152.8 feet;
- 22 Thence North 35° 32' East 194.1 feet;
- 23 Thence North 55° 53' East 174.4 feet;
- 24 Thence North 58° 39' East 197.2 feet;
- 25 Thence North 66° 57' East 194.1 feet;
- 26 Thence North 66° 33' East 244.6 feet;
- 27 Thence North 53° 57' East 243.3 feet;
- 28 Thence North 69° 20' East 212.9 feet;
- 29 Thence North 28° 22' East 142.3 feet;
- 30 Thence North 3° 43' West 190.0 feet;
- 31 Thence North 51° 53' West 128.2 feet;
- 32 Thence North 14° 25' West 162.4 feet;
- 33 Thence North 6° 23' West 218.7 feet;
- Thence North 33° 03' East 205.7 feet;
- Thence North 22° 12' East 214.6 feet;
- Thence North 34° 49' East 303.7 feet;
- Thence North 18° 00' West 268.8 feet;
- Thence North 30° 56' East 307.0 feet;
- Thence North 4° 24' West 148.4 feet to a point

on the northerly line of said Rancho;
Thence North 89° 30' West 218.7 feet;
Thence South 32° 47' West 34.3 feet;
Thence North 54° 33' West 50.6 feet to a point
on the northerly line of said Rancho;
Thence North 89° 30' West 272.5 feet to a point
on the northerly line of Rancho San Dieguito, whence the
Corner No. 7 of Patent Survey bears North 89° 30' West
1910.2 feet;

- Thence South 23° 38' West 133.5 feet;
- Thence South 29° 51' West 249.7 feet;
- Thence South 48° 29' West 192.0 feet;
- Thence North 38° 09' West 195.3 feet;
- Thence South 84° 40' West 29.9 feet;
- Thence South 27° 28' West 289.0 feet;

1 Thence South 35° 35' West 260.1 feet;
 Thence South 70° 51' West 257.5 feet;
 2 Thence South 62° 52' West 204.2 feet;
 Thence North 34° 34' West 308.7 feet;
 3 Thence South 88° 14' West 29.9 feet;
 Thence South 31° 01' West 203.1 feet;
 4 Thence South 68° 30' West 238.5 feet;
 Thence South 72° 50' West 190.1 feet;
 5 Thence North 77° 15' West 276.8 feet;
 Thence South 12° 45' West 879.9 feet;
 6 Thence South 77° 15' East 337.0 feet to point of
 beginning.

7
 8 Also excepting any easements for rights of way which
 may have been granted to the San Dieguito Mutual Water Company
 or others.

10 SANTA FE LAND & IMPROVEMENT COMPANY

11 _____
 12 President

13 _____
 14 Secretary

16 STATE OF CALIFORNIA)
) SS
 17 COUNTY OF _____)

18 On this _____ day of _____ A. D.
 19 191____, before me, _____ a Notary
 20 Public in and for said County of _____, State of _____
 21 _____, residing therein, duly commissioned and sworn
 22 personally appeared _____ known to me to
 23 be the President, and _____ known to me to
 24 be the Secretary of the Corporation that executed the within instru-
 25 ment, known to me to be the persons who executed the within Instru-
 26 ment on behalf of the Corporation therein named, and acknowledged
 27 to me that such Corporation executed the same.

28
 29 IN WITNESS WHEREOF, I have hereunto set my hand and
 affixed my Official Seal, at my office in the County of _____
 30 the day and year in this certificate first above written.

31 _____
 32 Notary Public in and for _____
 County, State of _____

From the papers of Ed Fletcher, the following letters have been removed to the alphabetized correspondence files:

"CARDIFF IRRIGATION DISTRICT"

CROUCH, C. C. to O'MELVENY, MILLIKIN and TULLAR, attorneys
at law, in regards to Cardiff Irrigation District,
November 8, 1918

HUBER, W. L. to The Board of Directors of Cardiff Irrigation
District, March 8, 1919

"MINNEY, J. L.: ENTIRE FILE 1920-21 CORRESPONDENCE"

1 Thence Easterly along the East and West center line
2 of the South $\frac{1}{2}$ of said Section 15 to an intersec-
3 tion with the North and South center line of the
4 Southwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$ of said Section 15;

5 Thence Southerly along the North and South center
6 line of the Southwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$ of said
7 Section 15 to an intersection with the South line
8 of said Section 15;

9 Thence continuing Southerly along the North and
10 South center line of the Northwest $\frac{1}{4}$ of the
11 Northeast $\frac{1}{4}$ of aforesaid fractional Section 22 to
12 an intersection with the East and West center
13 line of the Northeast $\frac{1}{4}$ of said fractional
14 Section 22;

15 Thence Easterly along the East and West center line
16 of the Northeast $\frac{1}{4}$ of said fractional Section 22
17 to an intersection with the North and South
18 center line of the Northeast $\frac{1}{4}$ of said fractional
19 Section 22;

20 Thence Southerly along the North and South center
21 line of the Northeast $\frac{1}{4}$ of said fractional Section
22 22 to an intersection with the South line of the
23 said Northeast $\frac{1}{4}$ of said fractional Section 22;

24 Thence Westerly along the South line of the North-
25 east $\frac{1}{4}$ of said fractional Section 22 to the
26 Southwest corner of the Northeast $\frac{1}{4}$ of said
27 fractional Section 22;

28 Thence Northerly along the West line of the North-
29 east $\frac{1}{4}$ of said fractional Section 22 to the $\frac{1}{2}$
30 corner common to said fractional Section 22 and
31 Section 15, Township 15 South, Range 4 West,
32 S.B.M. and the point of beginning.
33

Dated March _____, 1922.

Secretary of the Board of Directors
of the Cardiff Irrigation District.

BEFORE THE BOARD OF
DIRECTORS OF THE CARDIFF
IRRIGATION DISTRICT.

In the Matter of the
Exclusion of the Lands
of M. S. Jackson.

NOTICE OF FILING A
PETITION.

BEFORE THE BOARD OF DIRECTORS
OF THE CARDIFF IRRIGATION DISTRICT.

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IN THE MATTER OF THE EXCLUSION)
OF THE LANDS OF M. S. JACKSON.) PETITION FOR EXCLUSION
OF LANDS.

To the Honorable,

The Board of Directors of the Cardiff Irrigation District:

Comes now M. S. Jackson, and respectfully represents
to your honorable body:

1.

That he is the owner in fee of the following tract of
land in the County of San Diego and State of California, the
exterior boundaries of which are as follows, to-wit:

Beginning at the $\frac{1}{4}$ corner common to Section 15 and fractional
Section 22, Township 13 South, Range 4 West, S.B.M.;

Thence Westerly along the South line of said Section 15 to
an intersection with the North and South center line
of the Southwest $\frac{1}{4}$ of said Section 15;

Thence Northerly along the North and South center line of
the Southwest $\frac{1}{4}$ of said Section 15 to an intersection
with the East and West center line of the South $\frac{1}{2}$ of
said Section 15;

Thence Easterly along the East and West center line of the
South $\frac{1}{2}$ of said Section 15 to an intersection with
the North and South center line of the Southwest $\frac{1}{4}$
of the Southeast $\frac{1}{4}$ of said Section 15;

Thence Southerly along the North and South center line of
the Southwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$ of said Section 15
to an intersection with the South line of said
Section 15;

Thence continuing Southerly along the North and South
center line of the Northwest $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ of
aforesaid fractional Section 22 to an intersection
with the East and West center line of the Northeast $\frac{1}{4}$
of said fractional Section 22;

Thence Easterly along the East and West center line of the
Northeast $\frac{1}{4}$ of said fractional Section 22 to an inter-
section with the North and South center line of the
Northeast $\frac{1}{4}$ of said fractional Section 22;

1 Thence Southerly along the North and South center line of
2 the Northeast $\frac{1}{4}$ of said fractional Section 22 to an
3 intersection with the South line of the said North-
4 east $\frac{1}{4}$ of said fractional Section 22;

5 Thence Westerly along the South line of the Northeast $\frac{1}{4}$
6 of said fractional Section 22 to the Southwest
7 corner of the Northeast $\frac{1}{4}$ of said fractional
8 Section 22;

9 Thence Northerly along the West line of the Northeast $\frac{1}{4}$
10 of said fractional Section 22 to the $\frac{1}{4}$ corner
11 common to said fractional Section 22 and Section 15,
12 Township 13 South, Range 4 West, S.B.M. and the
13 point of beginning.

14 2.

15 That the said tract of land is within the Cardiff Irri-
16 gation District.

17 3.

18 That he desires that the said tract of land may be
19 excluded from the said District pursuant to the provisions of
20 Sections 74 to 84, inclusive, of the Act of the legislature
21 approved March 31, 1897, and acts supplementary thereto and
22 amendatory thereof. That the following is a statement of the
23 grounds and reasons upon which it is claimed that such lands
24 should be excluded:

- 25 a. These lands have for many years been in the
26 Cardiff District and have paid taxes, but have
27 received no benefits whatsoever in return.
- 28 b. That the water supply of the said District is
29 insufficient to supply water even for domestic
30 purposes, and there is no water available for
31 irrigation purposes even though the said lands
32 were susceptible of irrigation from the source
33 of supply of the said district.
- 34 c. That the said lands are on a high mesa and can
35 not be irrigated by gravity even if the dis-
36 trict's water supply was sufficient so to do
37 as it would be necessary to pump the water
38 between 100 and 200 feet, owing to the high
39 elevation of these lands.
- 40 d. That there is a probability in the immediate
41 future of getting water from another source
42 with which to irrigate these lands.
- 43 e. That the said lands can never be benefited
44 by remaining in the said District.

That your petitioner is willing to pay all of the expenses incident to the proceedings to exclude the said lands from the said district and will pay to your honorable body in advance such amount as may be deemed necessary for such purposes upon being advised of the amount required.

WHEREFORE, your petitioner respectfully prays that the hereinbefore described tract of land may be excluded and taken from said district in accordance with the provisions of the law hereinbefore referred to.

Dated January 6, 1922.

M. S. Jackson

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State of California,)
County of San Diego.) ss.

On this 6th day of January, 1922, before me, the undersigned, a Notary Public, in and for the County of San Diego, and State of California, personally appeared H. S. Jackson, to me personally known, and acknowledged that he executed the hereinbefore petition for exclusion of lands from the Cardiff Irrigation District.

IN WITNESS WHEREOF, I have hereunto set my hand and fixed the seal of my said office on the day and date in this certificate first written.

Sam. S. Mathews

Notary Public in and for the County of San Diego, State of California.

My Commission expires December 7th, 1922

ORIGINAL.

BEFORE THE BOARD OF
DIRECTORS OF THE CARDIFF
IRRIGATION DISTRICT.

In the Matter of the Exclu-
sion of the Lands of
M. S. Jackson.

PETITION FOR EXCLU-
SION OF LANDS.

Filed with the Board of
Directors of the Cardiff Irrigation
District this 7th day of February,
1922.

Chas. H. Webster
President of the Board of Directors.

Charles C. Crouch,
Attorney.

Ed Fletcher Papers

1870-1955

MSS.81

Box: 50 Folder: 5

**Business Records - Water Companies - Volcan Land
and Water Company - San Dieguito System - Cardiff
Irrigation District - Boundary descriptions, syndicate lands**



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