

Area = 1190 sq. ft.  
 V = 4.54 ft. per sec.  
 S = .001  
 Q = 54.2 c.f.s.

CROSS SECTION

TABLE OF EXCAVATION & CONCRETE FOR 1 LINEAR FT.

Slope	Up to 10%	20%	30%	40%	50%	60%	70%	80%
Excavation Cu. yds.	0.6	0.7	0.8	1.0	1.2	1.7	2.0	2.2
Concrete Cu. yds.	.097	.097	.097	.097	.097	.097	.097	.097

3' 4"  
 3' 4"  
 10' 8" = 128"  
 3840' conc.

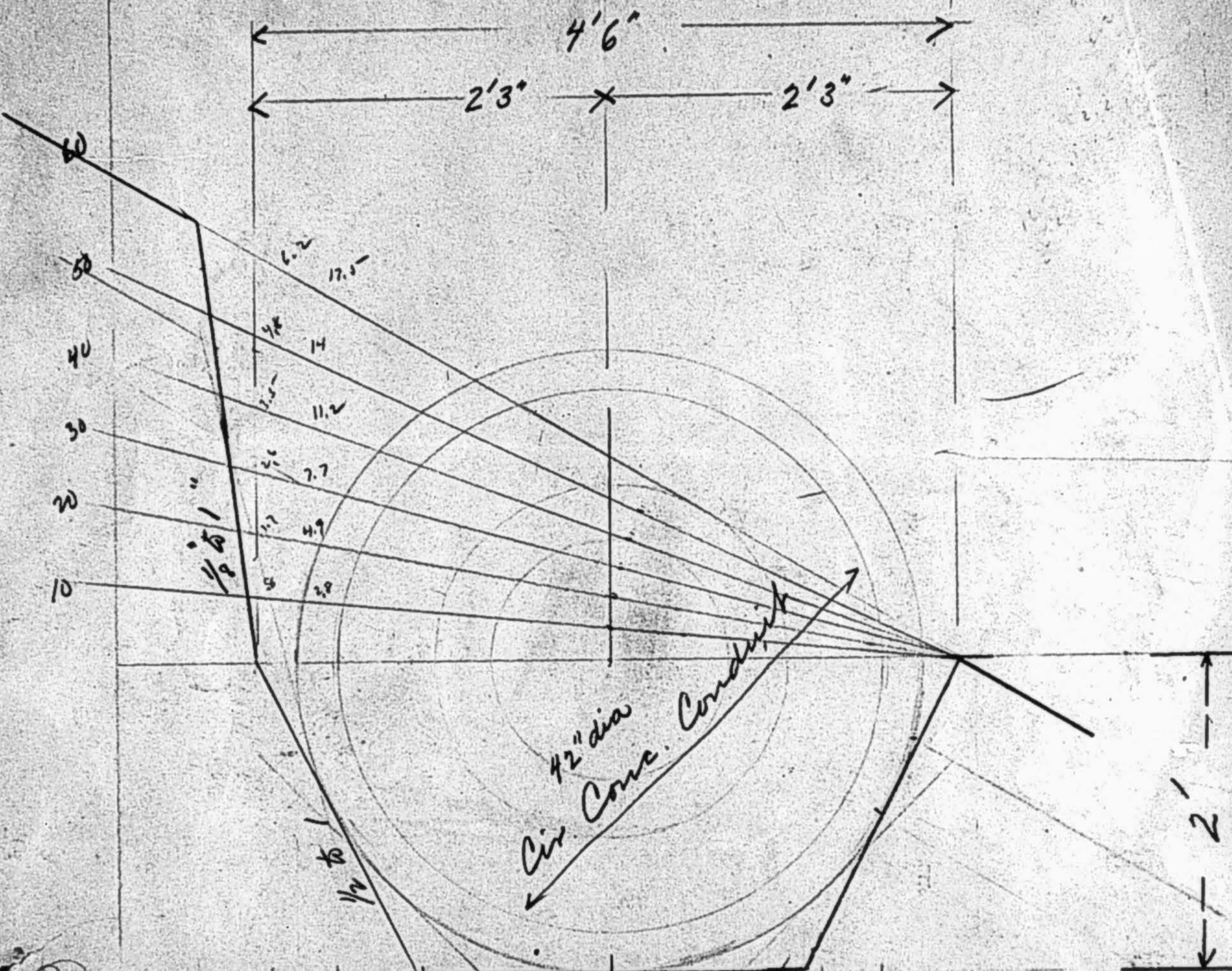
**VOLCAN LAND & WATER CO.**  
**WARNER CONDUIT**  
**CANAL**

SCALE:  $\frac{1}{2}'' = 1'$

W.S. POST, Eng'r OCT. 0, 1914

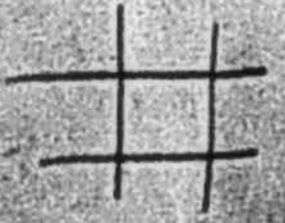
Drawing No 469  
 File No T-1

$S = .0025$   
 $Q = 60 \text{ c.f.s.}$   
 $D = 42"$

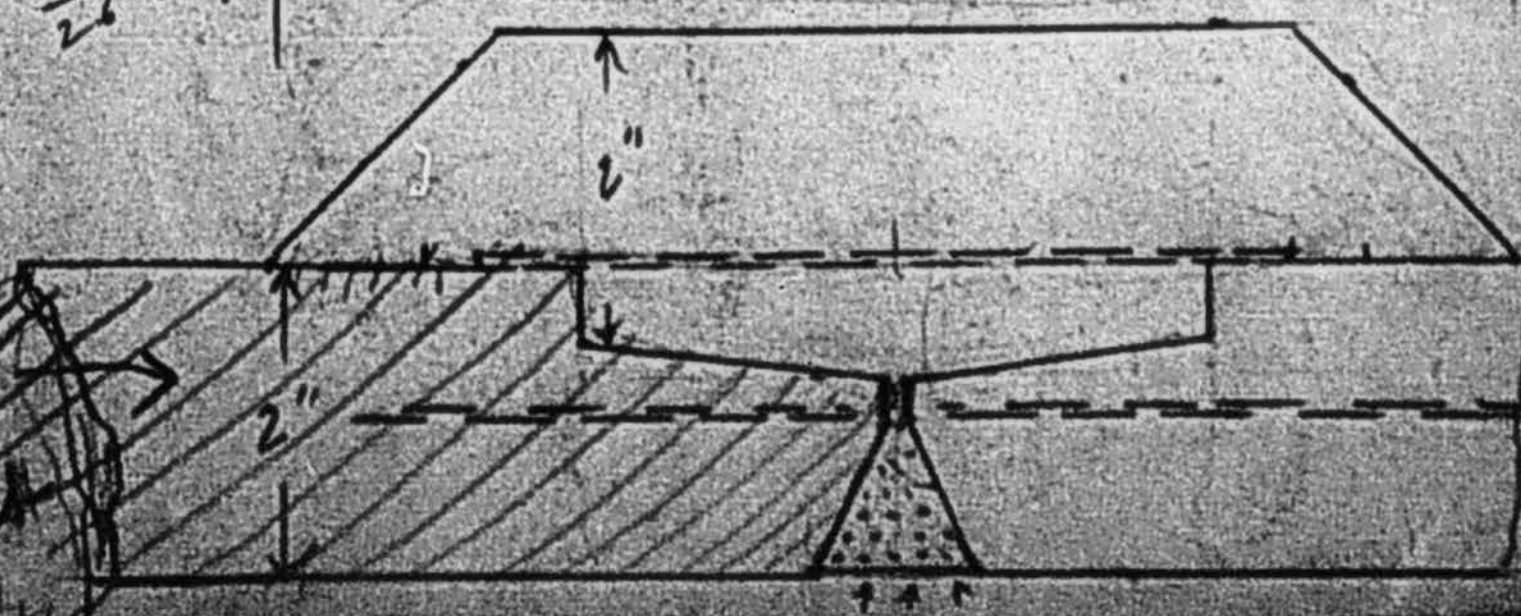


$2\pi r \cdot \frac{42}{2}$   
 $\frac{152}{2}$   
 $262 \text{ sq. conc. ft.}$

Scale: 1" = 1'  
 8"



Scale: 1/2" = 1'  
 Reinforced  
 Pipe Joint



UNITED STATES DEPARTMENT OF AGRICULTURE  
OFFICE OF THE SECRETARY.

Cleveland.            Water Power.  
(Name of Forest)

Volcan Land & Water Company  
(Name of Applicant)

Conduit  
(Use applied for)

1/8/13  
(Date of priority of application)

PRELIMINARY WATER-POWER PERMIT

This Preliminary Permit, issued this fifteenth day of January, 1913 to the Volcan Land and Water Company, hereinafter called the Permittee, a corporation organized and existing under and by virtue of the laws of the State of Arizona, and having its office and principal place of business at San Diego, in the State of California. WITNESSETH: That,

WHEREAS, the Permittee filed with the Forester at Washington, District of Columbia, on the 8th day of January, 1913, at 3 P. M., an application for a Preliminary Permit, in accordance with the regulations of the Department of Agriculture;

No charge since the Permittee represents that the power is to be used in aid of irrigation in which it will engage.

NOW, THEREFORE, the conditions of this Permit are as follows: Clause 1. If the Permittee shall, on or before the 15th day of July, 1913, file with the District Forester at San Francisco, California, in the manner prescribed by the regulations and instructions of the Secretary of Agriculture, a complete and final application for a permit to occupy and use lands of the United States within the Cleveland National Forest as shown upon a certain map executed by H. Hawgood on the 8th day of January, 1913, and made a part of the aforesaid preliminary application for a conduit to be located between points of diversion and discharge as approx-

imately shown upon the aforesaid map; and a power-house site to be located approximately as shown on the aforesaid map; then and thereupon said final application shall with reference to priority of application relate back and be effective as of the date of the aforesaid preliminary application, and the priority of the Permittee's application for a permit to occupy and use the lands of the United States, as such lands are shown in its final application, shall be established as against any other application for a like use, covering in whole or in part the same lands, which may have been filed subsequently to the filing of the aforesaid preliminary application.

Provided, however, that if the Permittee shall include in said final application lands covering developments not comprehended by its preliminary application, the priority of its application for such additional lands shall date only from the date of the filing of said final application.

Clause 5. This Permit shall terminate and become void upon the date named in Clause 1 hereof, unless extended by the written consent of the Secretary of Agriculture, and such extension shall not be granted unless the completion of the final application has been prevented by unusual climatic conditions that could not reasonably have been foreseen, or by some special or peculiar cause beyond the control of the Permittee; and if at the date of the termination of this Permit as named in Clause 1 hereof, or at the date of the termination of any extension of time as herein provided, the Permittee has failed to present a complete and final application in the manner and in the form prescribed in Clause 1 hereof, then and thereupon the aforesaid priority shall be lost, and no other

application covering in whole or in part the same or adjacent lands will be accepted from the Permittee for a period of one year subsequent to the date of the termination of this Permit or to the date of the termination of any extension thereof.

Clause 6\*. This Permit shall give no right to begin construction of any kind or to cut or destroy any timber upon National Forest lands; but shall give only the right to establish priority of application as hereinbefore provided.

Clause 7. This permit is nontransferable.

IN WITNESS WHEREOF, I have hereunto set my name this fifteenth day of January, 1913.

James Wilson,  
Secretary of Agriculture.

Clauses 2, 3 and 4 stricken out.

On this fifteenth (15) day of January, 1913, the Volcan Land and Water Company, a corporation organized under the laws of the Territory of Arizona and having its office and principal place of business in Tucson, in Pima County, in said State, hereinafter called "The Water Company," having heretofore filed under Sections 18, 19, 20 and 21 of the Act of Congress approved March 3, 1891, c. 561 (26 Stat., 1101-1102), and under Section 2 of the Act of Congress approved May 11, 1898, c. 292 (30 Stat., 404), in the United States Land Office at Los Angeles, California, its application (designated as Los Angeles 014518) for a right of way for certain reservoirs and canals for the purposes of irrigation shown on four certain maps described in said application and filed with and as a part thereof, said right of way to be through the public lands and reservations of the United States as shown on said maps, which application is now pending in the Department of the Interior, hereby renews and confirms its said application, and by way of amendment thereof the Water Company, in addition to the matters set forth in its said application, does, in consideration of the grant of right of way hereby sought, hereby promise and agree for itself and its successors upon and after such grant to comply with the terms and conditions and to fully perform the promises hereafter expressed.

1. The Water Company will begin construction of the canals, ditches, and reservoirs for which right of way is sought within two years after such right of way is granted, and will complete the same within five years after such grant, and thereafter will maintain and continuously operate the same throughout each and every irrigation season except in so far as so much of this promise and condition as refers to beginning construc-

tion and to continuous operation may be temporarily waived by the Secretary of the Interior upon a full showing to his satisfaction that such beginning of construction and continuous operation is prevented by inevitable accidents or contingencies.

2. The Water Company will promptly and with due diligence complete and file an application for a final power permit from the Secretary of Agriculture for the Warner Canal as shown on the maps aforesaid in pursuance of the preliminary power permit for the same heretofore applied for by said Company and issued by the Secretary of Agriculture on the fifteenth (15) day of January, 1913, and will accept and fulfill all the conditions of the final power permit hereafter issued by the Secretary of Agriculture upon such application.

3. The Water Company will never use or claim the right to use the right of way hereby sought for the development of power for use not "subsidiary to the main purpose of irrigation" as defined in the regulations approved January 15, 1913, under the said sections of the Act of March 3, 1891, and the said section of the Act of May 11, 1898. Any and all use of the lands servient to the right of way hereby sought for the purposes in this paragraph above prohibited shall be made only under and in accordance with the terms and conditions of the final water power permit hereafter issued by the Secretary of Agriculture as aforesaid.

4. The Water Company will pay annually on or before February 1 in each year, by certified check to the order of the Secretary of the Interior, a rental charge at the rate of five mills (\$.005) per thousand kilowatt hours for all electric energy generated by it during the preceding calendar year of the decade

beginning January 15, 1913, from water stored or flowing, or which shall have first been stored or shall have first flowed in or through the reservoirs or canals for which right of way is hereby sought; and during each decade thereafter a rental charge at such reasonable rate per thousand kilowatt hours so developed as the Secretary of the Interior may fix before the beginning of each decade respectively; Provided: That the burden of proving that any rate fixed by the said Secretary under this paragraph is unreasonable shall be and remain upon the Water Company: Provided further, That, if no rate is so fixed for any particular decade, then the rental charge to be paid for each year of such decades shall be calculated upon all energy so developed during the preceding calendar year at the rate hereinbefore fixed for the preceding decade; Provided further, That any payment duly made by the Water Company to the head or other officer of any Department of the Federal Government having jurisdiction over National Forests or other reservations of the United States occupied or used by any portion of the works for which right of way is hereby sought, such payment having been made as or on account of a rental charge for such occupancy and use, shall be credited upon the rental charge imposed under this paragraph for the same year, but such credit shall in no case exceed the total of the rental charge so imposed for such year.

5. The Water Company will install at such places and maintain in good operating condition in such manner as shall be approved by the said Secretary accurate meters, or other devices approved by the said Secretary, adequate for the determination of the amount of electric energy so developed, and will keep accurate and sufficient record of the foregoing determinations to the satisfaction of the said Secretary, and will make a return during

January of each year under oath of such of the records of measurements for the year ending on December 31 preceding made by or in the possession of the Water Company as may be required by the said Secretary.

6. The books and records of the Water Company will be open at all times to the inspection and examination of the said Secretary, or other officer or agent of the United States duly authorized to make such inspection and examination.

7. The Water Company will protect in a workmanlike manner, according to the usual standards of safety for construction, operation, and maintenance in such cases, all Government and other telephone, telegraph, and power transmission lines at crossings of and at all places in proximity to the Water Company's transmission lines, and will maintain its transmission lines in such manner as not to menace life or property.

8. The Water Company will, to the satisfaction of the officer of the United States having supervision over the lands, dispose of all brush, refuse, or unused timber on lands owned or controlled by the United States caused by or left from the construction and maintenance of its ditches, canals, and reservoirs.

9. The Water Company will build new roads and trails as required by the officer last above described to replace any roads or trails destroyed by construction work or flooding upon the lands servient to the right of way sought, and will build and maintain suitable crossings as required by him for all roads and trails which intersect the same.

10. The Water Company will allow officers of the United States free and unrestricted access in, to and across all lands

servient to the right of way hereby sought in the performance of their official duties; and will allow the United States without charge, to construct and permit to be constructed in, to, or across said servient lands, roads, trails, conduits, and other means of transportation not inconsistent with the enjoyment of the right of way hereby sought.

11. The Water Company will pay on Demand, by certified check to the order of the Secretary of the Interior, the full value as fixed by the officer of the United States having supervision of the servient lands for all timber cut, injured, or destroyed on lands owned or controlled by the United States (except National Forests) in the construction, maintenance, and operation of the works for which right of way is sought; and shall make like payment to the Secretary of Agriculture for all timber so cut, injured, or destroyed on National Forests.

12. The Water Company will do everything reasonably within its power, both independently and on request of the Secretary of the Interior or other duly authorized officer or agent of the United States, to prevent and suppress fires on or near the servient lands.

13. The Water Company will maintain a system of accounting for its entire business in such form as the Secretary of the Interior may prescribe and will render annually such reports thereof as the said Secretary may direct.

14. The Water Company will save harmless the United States against any liability for damages to life or property arising from its occupancy or use of the servient lands.

15. The Water Company will not assign or transfer to any other person or corporation whatsoever the right of way sought,

except with approval in writing first obtained from the Secretary of the Interior, or other proper officer of the United States, and upon terms and conditions prescribed in said written approval by such Secretary or other officer. The assignee or transferee under such approval shall take and use the right of way subject to all the terms and conditions in the grant hereby sought, and subject to such additional terms and conditions as may be provided by such written approval.

16. In respect to the regulation by any competent public authority, of the services to be rendered by the Water Company or of the prices to be charged therefor, and in respect to any purchase or taking over of the works or business of the Water Company or any part thereof by the United States or by the State of California or by any municipal corporation of said State, no value whatsoever shall at any time be assigned to or claimed for the right of way hereby sought, nor shall said right of way or the grant thereof ever be estimated or considered as property upon which the Water Company shall be entitled to earn or receive any return, income, price or compensation whatsoever.

17. The Water Company, with respect to service rendered to the public and with respect to the prices charged and to be charged therefor, will comply with all such just and reasonable regulations as may be imposed by any duly constituted Federal, State, or other governmental authority having jurisdiction in the premises: Provided, That if, as to any matters promised by the Water Company in this paragraph, the regulations prescribed by the Federal Government, its officers or agents, are in conflict with the regulations prescribed by the State or any duly authorized agency thereof, compliance with the Federal regulations shall be deemed

and taken to be a fulfillment of the promises of this paragraph in so far as such conflict extends and no further.

18. Upon breach by the Water Company of any of the terms, conditions, or promises in this application set forth the United States may have and enforce appropriate remedy therefor by specific performance, injunction, action for damages, or otherwise in a suit instituted by the Attorney General for that purpose in any court of competent jurisdiction. And if any such breach shall be continued or repeated after thirty days notice thereof given in behalf of the United States to the Water Company the right of way hereby sought, together with all rights thereunder and all moneys paid thereon, may be forfeited to the United States by a suit brought on request of the Secretary of the Interior by the Attorney-general for that purpose in any court of competent jurisdiction.

IN WITNESS WHEREOF, said Volcan Land and Water Company has caused these presents to be executed, in duplicate, by its President and agent, thereunto duly authorized, the day and year first above written.

VOLCAN LAND AND WATER COMPANY,

By Wm. G. Honshaw,  
President.

In pursuance of the provisions of Sections 18, 19, 20 and 21 of the Act of Congress approved March 3, 1891, chapter 561 (26 Statutes at Large, pages 1101-1102), and of Section 2 of the Act of Congress approved May 11, 1898, chapter 292 (Volume 30, Statutes at Large, Page 404) and in pursuance of general regulations thereunder made by the Secretary of the Interior, and in consideration of the promises by the said Volcan Land and Water Company made and set forth in the foregoing amended application, the rights of way through the public lands and reservations of the United States sought by and described in the foregoing amended application are hereby granted on this sixteenth (16) day of January, 1913, subject, however, to the general regulations under the said Act made and fixed by the Secretary of the Interior, and subject to the terms and conditions in the foregoing amended application set forth. Rights of way for ditches and canals constructed by the authority of the United States are reserved from this grant (Act August 30, 1890, 26 Stat., 391).

IN WITNESS WHEREOF, I have subscribed these presents, in duplicate, the day and year last above written.

Walter L. Fisher  
Secretary of the Interior.

Form 81  
(Revised Jan. 1, 1913)

UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

STIPULATIONS  
(IRRIGATION, MUNICIPAL, MINING)  
(Acts March 3, 1891; May 11, 1898; February 1, 1905)

Uses Cleveland  
(Forest)  
Fletcher, Ed.  
(Name of applicant)  
~~Reservoir~~ (Conduit) 5-10-13  
(Date of application)

WHEREAS, The Conduit right of way applied for by Ed. Fletcher of San Diego, California, (hereinafter called the Applicant) is within the Cleveland National Forest, as shown by a certain tracing executed by William S. Post, Chief Engineer, on May 6, 1913, and filed in the United States Land Office at Los Angeles, State of California, on May 10, 1913, and

WHEREAS, The regulations of the United States Department of the Interior, concerning rights of way for railroads, reservoirs, canals, etc., provide that whenever such rights of way are located upon National Forests, the Applicant must enter into such stipulations and execute such bonds as the Secretary of Agriculture may require for the protection of the National Forests; and

WHEREAS, The Secretary of Agriculture requires, for the protection of said Cleveland National Forest that the Applicant shall enter into the stipulations hereinafter set forth;

NOW, THEREFORE, In consideration of the granting of the right of way applied for, the Applicant ~~do~~ hereby stipulate and agree, and ~~do~~ bind himself, his heirs, executors, administrators, and assigns, and each of them, jointly and severally ~~(themselves, their heirs, executors, administrators, and assigns, and each of them, jointly and severally)~~ ~~(itself, its successors and assigns)~~, as follows, to wit:

1. To pay to the London Paris Angle and / National Bank of San Francisco, California, (United States Depository), or such depository or officer as may hereafter be designated by the United States, to be placed to the credit of the United States, in advance of cutting or construction, as required by the Supervisor of said National Forest, for all live and dead timber, standing and down, merchantable in the judgment of the Forest Supervisor, cut, damaged, killed or destroyed, on said right of way, title to which, at the time of said cutting, damaging, killing, or destroying, is in the United States, in accordance with the scale or estimate of the Forest officers, at a rate to be fixed by said Supervisor, which shall correspond to the prevailing stumpage rates charged on said Forest at the time said timber is cut, damaged, killed, or destroyed; and to dispose of all brush, refuse, or unused timber accumulating at such times upon such right of way in such manner as may be required by the Forest officers.
2. To pay to the United States Depository or officer as aforesaid, on demand, for all damage to said National Forest resulting from the breaking of, or the overflowing, leaking, or seepage of water from, the reservoir or ditch, and for all damage to said National Forest caused by the negligence of the Applicant, his ~~(heirs)~~ ~~(its)~~ employees, contractors, or employees of contractors.
3. To build new roads and trails, as required by the said Forest Supervisor, to replace any roads or trails destroyed by construction work or flooding upon said right of way, and to build and maintain suitable crossings as required by the Supervisor for all roads and trails which intersect the right of way.
4. To require ~~(his)~~ ~~(their)~~ its employees, contractors, and employees of contractors, both independently and at the request of the Forest officers, to do all reasonably within their power to prevent and suppress fires.

*Filed Office City*



5. To allow officers of the Forest Service free and unrestricted access in, through, and across all lands covered by said right of way, in the performance of their official duties; and to allow the Forest Service, without charge, to construct or permit to be constructed in, through, or across the land covered by said right of way, roads, trails, conduits, and other means of transportation not inconsistent with the enjoyment of said right of way by the Applicant .

Description of that portion of the Harriet M. Bailey (Taylor) property in the Sutherland Reservoir site lying below an elevation of 2113 feet above sea level, United States Geological Survey datum.

All that portion of the Northeast quarter of the Southwest quarter and the Northwest quarter of the Southeast quarter of Section 28, Township 12 South, Range 2 East, San Bernardino Meridian in the County of San Diego, State of California, lying and being below an elevation of 2113 feet above sea level United States Geological Survey datum.

To make any assignment or transfer of said right of way only after and on condition that the assignees or transferees, jointly and severally, covenant in writing to fulfill and perform all the duties and obligations of the Applicant arising hereunder, including his ~~(their)~~ ~~(its)~~ obligations under this paragraph.

IN WITNESS WHEREOF, said Applicant has ~~(have)~~ caused this instrument to be executed at \_\_\_\_\_, on this \_\_\_\_\_ day of \_\_\_\_\_, 191

N. B.—When this instrument is executed by officers of a corporation it must be accompanied by evidence of their authority to do so.

UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

STIPULATIONS-

(Irrigation, Municipal, Mining)

(Acts March 3, 1891; May 11, 1898; February 1, 1905)

Uses Cleveland  
(Forest)

Volcan Land and Water Company  
(Name of applicant)

(Reservoir) (Conduit) Reservoirs and Conduits, 1/2/12. (Los Angeles 014518).  
(Date of application)

Whereas, The reservoir & conduit right of way applied for by

The Volcan Land and Water Company - - - - -

(hereinafter called the Applicant) is within the Cleveland - - - - -

National Forest, as shown by certain tracings executed by S.V. McClure,

President of the Volcan Land and Water Company and filed in the United

States Land Office at Los Angeles, State of California, on Jan. 2, 1912;

and Whereas, The regulations of the United States Department of the Interior, concerning rights of way for railroads, reservoirs, canals, etc., provide that whenever such rights of way are located upon National Forests, the Applicant must enter into such stipulations and execute such bonds as the Secretary of Agriculture may require for the protection of the Nat'l Forests; and

Whereas, The Secretary of Agriculture requires, for the protection of said Cleveland National Forest that the Applicant shall enter into the stipulations hereinafter set forth;

Now, THEREFORE, In consideration of the granting of the right of way applied for, the Applicant does hereby stipulate and agree, and does bind (itself, its successors and assigns) as follows, to wit:

1. To pay to the First National Bank of San Francisco, Cal., (United States Depository), or such depository or officer as may hereafter be designated by the United States, to be placed to the credit of the United States, in advance of cutting or construction, as required by the Supervisor of said National Forest, for all live and dead timber, standing and down, merchantable in the judgment of the Forst Supervisor, cut damaged, killed or destroyed, on said right of way, title to which, at the time of said cutting, damaging, killing, or destroying is in the United States, in accordance with the scale or estimate of the Forest officers, at a rate to be fixed by said Supervisor, which shall correspond to the prevailing stumpage rates charged on said Forest at the time said timber is cut, damaged, killed, or destroyed; and to dispose of all brush, refuse, or unused timber accumulating at such times upon such right of way in such manner as may be required by the Forest officers.

2. To pay to the United States Depository or officer as aforesaid, on demand, for all damage to said National Forest resulting from the breaking of, or the overflowing, leaking, or seepage of water from, the reservoirs or ditches, and conduits, and for all damage to said National Forest caused by the negligence of the Applicant, its employees, contractors, or employees of contractors.

3. To build new roads and trails, as required by the said Forest Supervisor, to replace any roads or trails destroyed by construction work or flooding upon said right of way, and to build and maintain suitable crossings as required by the Supervisor for all roads and trails which intersect the right of way.

4. To require its employees, contractors, and employees of contractors, both independently and at the request of the Forst officers, to do all reasonably within their power to prevent and suppress fires.

5. To allow officers of the Forst Service free and unrestricted access in, through, and across all lands covered by said right of way, in the performance of their official duties; and to allow the Forest Service, without charge, to construct or permit to be constructed in, through, or across the land covered by said right of way, roads, trails, conduits, and other means of transportation not inconsistent with the enjoyment of said right of way by the Applicant

To make any assignment or transfer of said right of way only after and on condition that the assignees or transferees, jointly and severally, covenant in writing to fulfill and perform all the duties and obligations of the Applicant arising hereunder, including its obligations under this paragraph.

IN WITNESS WHEREOF, said Applicant has caused this instrument to be executed at San Diego, California, on this 18th day of April, 1912.

I certify that this is a true copy of the stipulation executed by the Volcan Land and Water Company and now on file in this office.

L. A. Barrett  
Acting District Forester.

(Seal)

Volcan Land & Water Co.,  
By Ed Fletcher  
Secretary.

N.B.- When this instrument is executed by officers of a corporation it must be accompanied by evidence of their authority to do so.

WATER FILINGS OWNED BY VOLCAN LAND & WATER CO. UPON SAN LUIS REY RIVER

<u>Appropriator</u>	<u>Inches</u>	<u>Date</u>	<u>Assigned to</u>
A. H. Nelson	50,000	Mar. 15, 1911	Ed Fletcher
W. S. Post	50,000	Mar. 15, 1911	Ed Fletcher
G. B. Lull	50,000	May 23, 1911	Ed Fletcher
Lou B. Mathews	50,000	May 20, 1911	Ed Fletcher
W. J. Isbell	50,000	May 15, 1913	C. B. Gould

UPON SANTA YSABEL RIVER (AT PAMO DAMSITE)

Ethel Fowler	40,000	June 13, 1911	Ed Fletcher
Volcan Land & Water Company	50,000	Sept. 20, 1912	--

UPON PAMO CREEK (NEAR PAMO DAMSITE)

L. A. Kennedy	40,000	June 13, 1911	Ed Fletcher
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UPON SANTA YSABEL CREEK (AT SUTHERLAND DAMSITE)

J. E. Gerish	40,000	Dec 14, 1912	Ed Fletcher
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UPON BLACK CANYON CREEK (TRIBUTARY OF SANTA YSABEL NEAR SUTHERLAND DAMSITE)

R. W. Day	5,000	May 7, 1913	Ed Fletcher
-----------	-------	-------------	-------------

RAMONA, CAL. *June 2* 1919

*Thomas H. King, et al*

IN ACCOUNT WITH

RAMONA SENTINEL

ESTABLISHED 1887  
SUBSCRIPTION \$2.00

C. A. SEAY EDITOR AND PROPRIETOR

ISSUED EACH FRIDAY

*Law Notices*  
*affidavits*  
*Herein* 75.00

*Paid*  
*C. A. Seay*

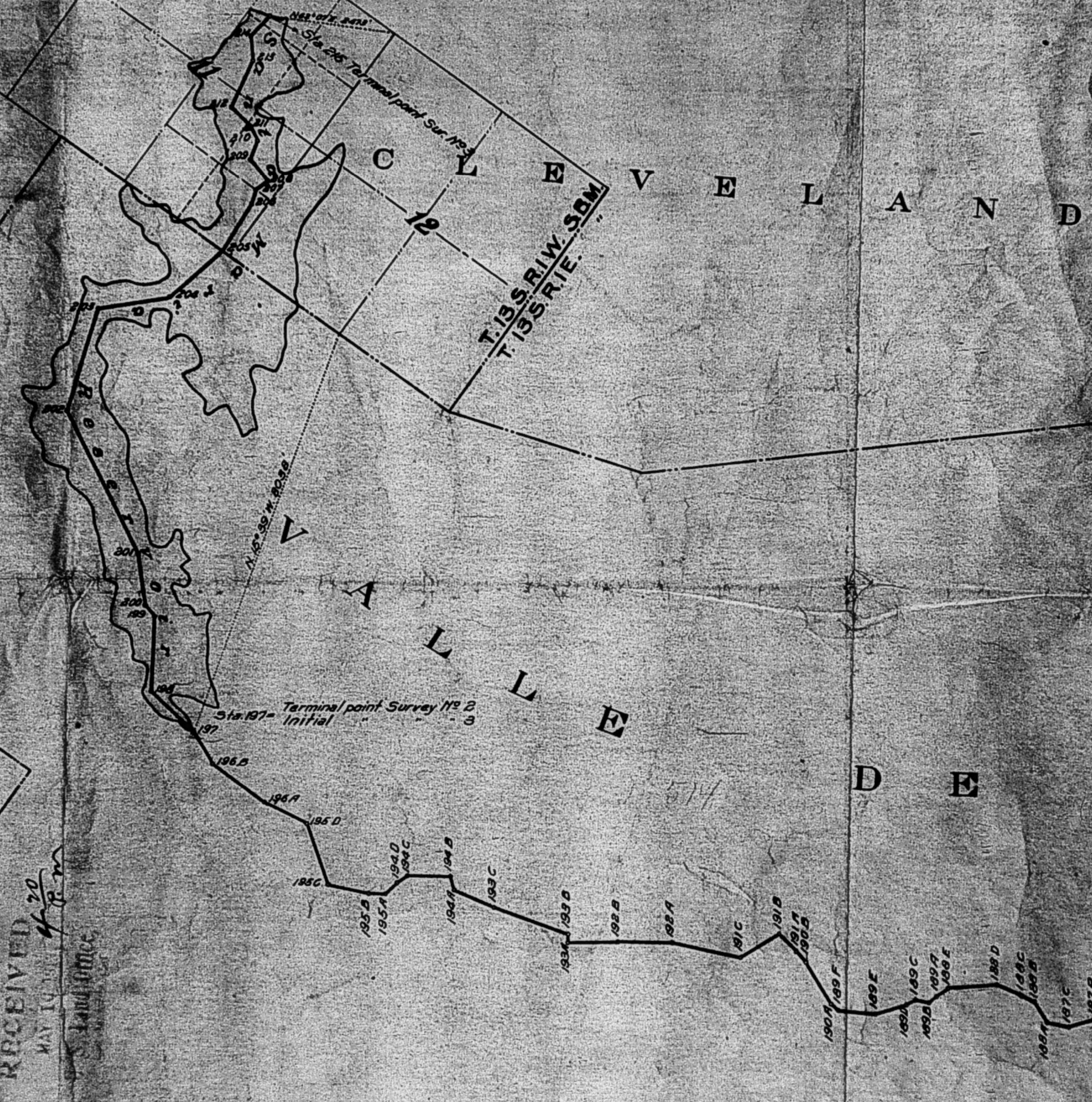


10

010201

RECEIVED  
MAY 19 1967  
Land Office

420  
420  
420



1842  
1843

154873

NATIONAL

FOREST

MO



T12SR1E  
T12SR2E  
T13SR1E  
T13SR2E  
S.B.M.

Sta. 170 - Terminal point Survey No. 5

NOTE:  
All courses are true.  
All distances in feet.

016731

A T T I O N A L

24 F O R E S T 27

18

25

20

30

29

30

31

32

27

T.12SR1E. T.12SR2E.  
T.13SR1E. T.13SR2E.

S.B.M.

S.N. 170 - Terminal point Survey 191  
S.N. 170 - Initial

NOTE:  
All courses are true.  
All distances in feet.

12

6

1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000



**MAP**  
**SHOWING CENTER LINE**  
**OF**  
**RAMONA CANAL**  
**OF**  
**ED. FLETCHER**  
**SAN DIEGO CO. CALIFORNIA**  
**SCALE: 1 INCH = 2000 FT.**

018721

STATE OF CALIFORNIA }  
 COUNTY OF SAN DIEGO } SS

WILLIAM S. POST, BEING DULY SWORN SAYS HE IS THE CHIEF ENGINEER OF ED. FLETCHER: THAT THE SURVEY OF THE SAID ED. FLETCHER'S RAMONA CANAL DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN SECTION 21, TOWNSHIP 12 SOUTH, RANGE 2 EAST, S.B.M., WHICH IS MARKED STATION NO. 1 THE INITIAL POINT OF SURVEY NO. 1, WHENCE THE NORTHWEST CORNER OF SECTION 21, TOWNSHIP 12 SOUTH, RANGE 2 EAST, S.B.M., BEARS N. 16° 08' W., 2,192 FEET, THENCE ALONG THE COURSES AND DISTANCES SHOWN ON THIS MAP AND BY THE ACCOMPANYING FIELD NOTES TO STATION NO. 215, THE TERMINAL POINT OF SURVEY NO. 3, WHENCE THE NORTHEAST CORNER OF SECTION 11, TOWNSHIP 13 SOUTH, RANGE 1 WEST, S.B.M., BEARS N. 62° 07' E., 2,473 FEET, BEING A TOTAL LENGTH OF CANAL AND STREAM BED OF 17.92 MILES;

AND STREAM BED OF 17.92 MILES;

WAS MADE BY HIM AS CHIEF ENGINEER OF ED. FLETCHER AND UNDER HIS AUTHORITY COMMENCED ON THE 7th DAY OF FEBRUARY, 1913 AND ENDING ON THE 18th DAY OF FEBRUARY 1913; AND THAT THE SURVEY OF THE SAID RAMONA CANAL, ACCURATELY REPRESENTS A PROPER GRADE LINE FOR THE FLOW OF WATER AND THAT SUCH SURVEY IS ACCURATELY REPRESENTED UPON THIS MAP AND BY THE ACCOMPANYING FIELD NOTES; AND NO LAKE OR LAKE BED, STREAM OR STREAM BED, IS USED FOR THE SAID CANAL EXCEPT AS SHOWN ON THIS MAP.

*William S. Post*  
 CHIEF ENGINEER.

SWORN AND SUBSCRIBED TO BEFORE ME THIS 6th DAY OF May 1913.

*John B. Matthews*  
 NOTARY PUBLIC IN AND FOR  
 THE COUNTY OF SAN DIEGO,  
 STATE OF CALIFORNIA.

I, ED. FLETCHER, DO HEREBY CERTIFY THAT WILLIAM S. POST, WHO SUBSCRIBED THE ACCOMPANYING AFFIDAVIT IS MY CHIEF ENGINEER: THAT THE SURVEY OF THE SAID RAMONA CANAL, AS ACCURATELY REPRESENTED ON THIS MAP AND BY THE ACCOMPANYING FIELD NOTES, WAS ADOPTED BY ME ON THE 6th DAY OF May 1913, AS THE DEFINITE LOCATION OF THE SAID RAMONA CANAL DESCRIBED AS FOLLOWS:

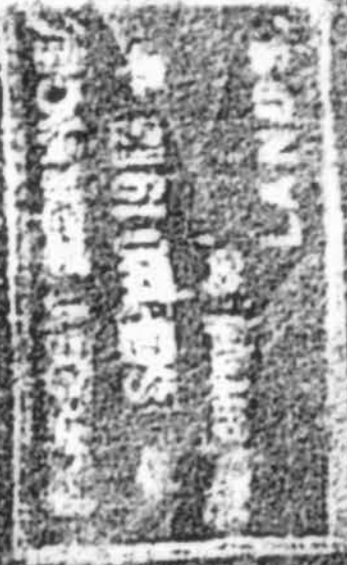
BEGINNING AT A POINT IN SECTION 21, TOWNSHIP 12 SOUTH, RANGE 2 EAST, S.B.M., WHICH IS MARKED STATION NO. 1, THE INITIAL POINT OF SURVEY NO. 1, WHENCE THE NORTHWEST CORNER OF SECTION 21, TOWNSHIP 12 SOUTH, RANGE 2 EAST, S.B.M., BEARS N. 16° 08' W., 2,192 FEET, THENCE ALONG THE COURSES AND DISTANCES SHOWN ON THIS MAP AND BY THE ACCOMPANYING FIELD NOTES TO STATION NO. 215, THE TERMINAL POINT OF SURVEY NO. 3, WHENCE THE NORTHEAST CORNER OF SECTION 11, TOWNSHIP 13 SOUTH, RANGE 1 WEST, S.B.M., BEARS N. 62° 07' E., 2,473 FEET, BEING A TOTAL LENGTH OF CANAL AND STREAM BED OF 17.92 MILES;

AND THAT NO LAKE OR LAKE BED, STREAM OR STREAM BED, IS USED FOR THE SAID CANAL EXCEPT AS SHOWN ON THIS MAP; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED FOR THE APPROVAL OF THE SECRETARY OF THE INTERIOR, IN ORDER THAT I MAY OBTAIN THE BENEFITS OF THE ACT OF CONGRESS APPROVED MARCH 3, 1891, ENTITLED, "AN ACT TO REPEAL TIMBER CULTURE LAWS, AND FOR OTHER PURPOSES," AND SECTION NO. 2 OF THE ACT APPROVED MAY 11, 1898; AND I FURTHER CERTIFY THAT THE RIGHT OF WAY HEREIN DESCRIBED IS DESIRED FOR THE MAIN PURPOSE OF IRRIGATION.

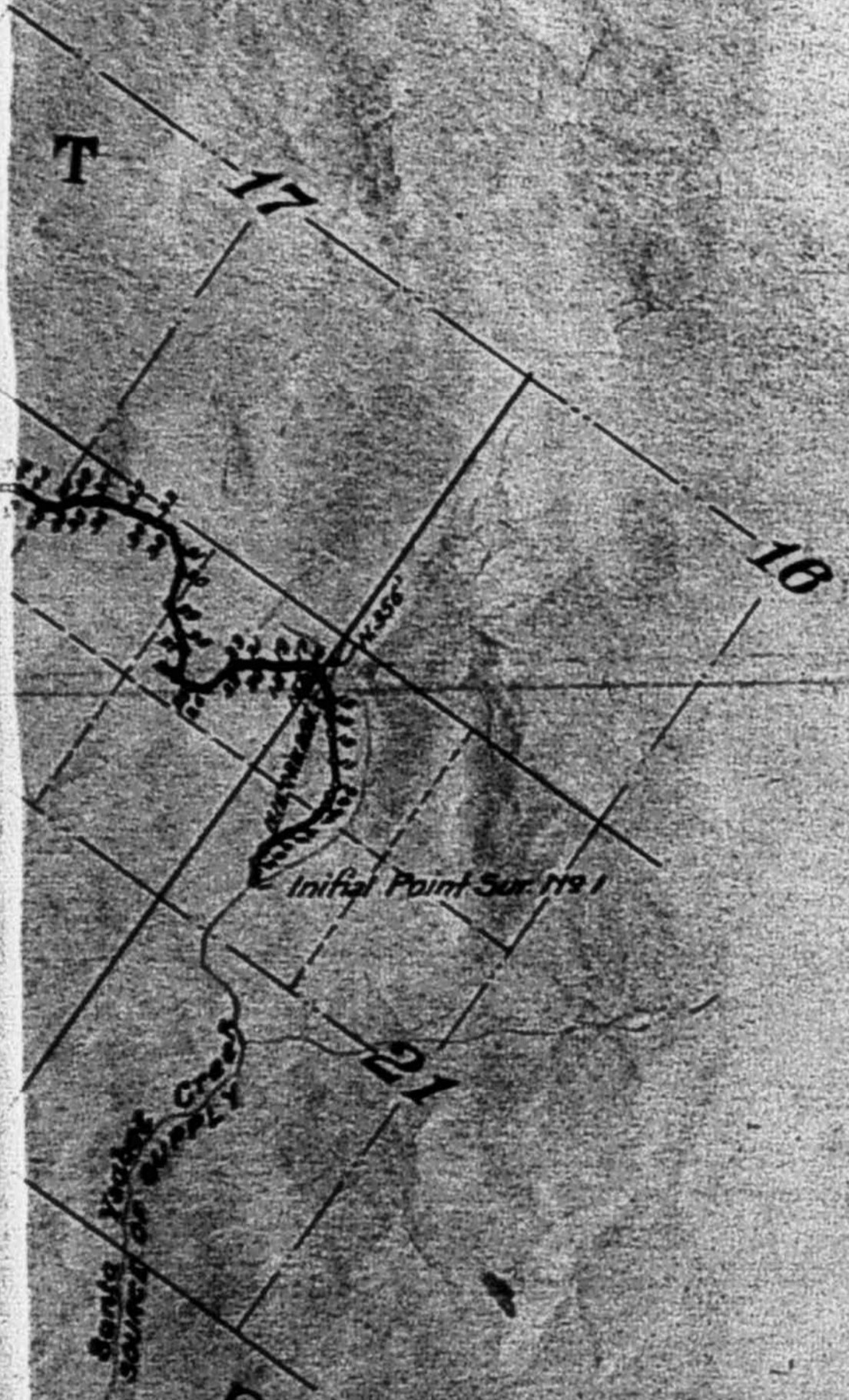
UNITED STATES LAND OFFICE  
 LOS ANGELES, CAL.

Filed in duplicate this 10th day of May 1913  
*Ed. Fletcher*  
 O. M., (I) certify that the right of way as applied for is as shown on attached map.

*Ed Fletcher*







**MAP**  
**SHOWING CENTER LINE**  
**OF**  
**RAMONA CANAL**  
**OF**  
**ED. FLETCHER**  
**SAN DIEGO CO. CALIFORNIA**  
**SCALE: 1 INCH = 2000 FT.**

018721

STATE OF CALIFORNIA )  
 COUNTY OF SAN DIEGO ) SS

WILLIAM S. POST, BEING DULY SWORN SAYS HE IS THE CHIEF ENGINEER OF ED. FLETCHER: THAT THE SURVEY OF THE SAID ED. FLETCHER'S RAMONA CANAL DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN SECTION 21, TOWNSHIP 12 SOUTH, RANGE 2 EAST, S.B.M., WHICH IS MARKED STATION NO. 1 THE INITIAL POINT OF SURVEY NO. 1, WHENCE THE NORTHWEST CORNER OF SECTION 21, TOWNSHIP 12 SOUTH, RANGE 2 EAST, S.B.M., BEARS N. 16° 08' W. 2.192 FEET, THENCE ALONG THE COURSES AND DISTANCES SHOWN ON THIS MAP AND BY THE ACCOMPANYING FIELD NOTES TO STATION NO. 215, THE TERMINAL POINT OF SURVEY NO. 3, WHENCE THE NORTHEAST CORNER OF SECTION 11, TOWNSHIP 13 SOUTH, RANGE 1 WEST, S.B.M., BEARS N. 62° 07' E., 2.473 FEET, BEING A TOTAL LENGTH OF CANAL AND STREAM BED OF 17.92 MILES;  
 WAS MADE BY HIM AS CHIEF ENGINEER OF ED. FLETCHER AND UNDER HIS AUTHORITY COMMENCED ON THE 7th DAY OF FEBRUARY, 1913 AND ENDING ON THE 18th DAY OF FEBRUARY 1913; AND THAT THE SURVEY OF THE SAID RAMONA CANAL, ACCURATELY REPRESENTS A PROPER GRADE LINE FOR THE FLOW OF WATER AND THAT SUCH SURVEY IS ACCURATELY REPRESENTED UPON THIS MAP AND BY THE ACCOMPANYING FIELD NOTES; AND NO LAKE OR LAKE BED, STREAM OR STREAM BED, IS USED FOR THE SAID CANAL EXCEPT AS SHOWN ON THIS MAP.

*William S. Post*  
 CHIEF ENGINEER.

SWORN AND SUBSCRIBED TO BEFORE ME THIS 6th DAY OF May 1913.

*John B. Matthews*  
 NOTARY PUBLIC IN AND FOR  
 THE COUNTY OF SAN DIEGO,  
 STATE OF CALIFORNIA.

I, ED. FLETCHER, DO HEREBY CERTIFY THAT WILLIAM S. POST, WHO SUBSCRIBED THE ACCOMPANYING AFFIDAVIT IS MY CHIEF ENGINEER; THAT THE SURVEY OF THE SAID RAMONA CANAL, AS ACCURATELY REPRESENTED ON THIS MAP AND BY THE ACCOMPANYING FIELD NOTES, WAS ADOPTED BY ME ON THE 6th DAY OF May 1913, AS THE DEFINITE LOCATION OF THE SAID RAMONA CANAL DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN SECTION 21, TOWNSHIP 12 SOUTH, RANGE 2 EAST, S.B.M., WHICH IS MARKED STATION NO. 1, THE INITIAL POINT OF SURVEY NO. 1, WHENCE THE NORTHWEST CORNER OF SECTION 21, TOWNSHIP 12 SOUTH, RANGE 2 EAST, S.B.M., BEARS N. 16° 08' W. 2.192 FEET, THENCE ALONG THE COURSES AND DISTANCES SHOWN ON THIS MAP AND BY THE ACCOMPANYING FIELD NOTES TO STATION NO. 215, THE TERMINAL POINT OF SURVEY NO. 3, WHENCE THE NORTHEAST CORNER OF SECTION 11, TOWNSHIP 13 SOUTH, RANGE 1 WEST, S.B.M., BEARS N. 62° 07' E., 2.473 FEET, BEING A TOTAL LENGTH OF CANAL AND STREAM BED OF 17.92 MILES;  
 AND THAT NO LAKE OR LAKE BED, STREAM OR STREAM BED, IS USED FOR THE SAID CANAL EXCEPT AS SHOWN ON THIS MAP; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED FOR THE APPROVAL OF THE SECRETARY OF THE INTERIOR, IN ORDER THAT I MAY OBTAIN THE BENEFITS OF THE ACT OF CONGRESS APPROVED MARCH 3, 1891, ENTITLED, "AN ACT TO REPEAL TIMBER CULTURE LAWS, AND FOR OTHER PURPOSES," AND SECTION NO. 2 OF THE ACT APPROVED MAY 11, 1898; AND I FURTHER CERTIFY THAT THE RIGHT OF WAY HEREIN DESCRIBED IS DESIRED FOR THE MAIN PURPOSE OF IRRIGATION.

UNITED STATES LAND OFFICE  
 LOS ANGELES, CAL.

Filed in duplicate this 10th day of May 1913  
 O. M. Fletcher  
 I certify that the right of way as applied for aforesaid map is correct.

*[Signature]*  
 Register

*Ed Fletcher*

RECEIVED  
 SEP 20 1913  
 DEPT. OF THE INTERIOR  
 LANDS

UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE.

S P E C I A L U S E P E R M I T.

PIPE LINE 9/24/13 Cleveland National Forest.

Permission is hereby granted to Ed Fletcher of San Diego, California, to use the following described lands: SE $\frac{1}{4}$  Sec. 17, NW NW Sec. 21, T 12 S. R 2 E. as shown on blue print submitted by applicant for the purpose of constructing a pipe line or ditch approx. 10,500 ft. in length subject to the following conditions:

1. The permittee shall pay to the ..... National Bank of  
No charge for irrigation project

..... (United States Depository), to be placed to the credit of the Treasurer of the United States, in consideration for this use, the sum of ..... dollars (\$ ), annually in advance from ..... 191 ; and this permit shall have no force or effect until the first annual payment is made.

2. The permittee shall comply with all the laws and regulations governing National Forests.

3. The permit is subject to all valid claims.

4. The permittee and his employees, contractors, subcontractors, and their employees shall do all in their power, both independently and upon request of Forest officers, to prevent and suppress forest fires.

5. The permittee shall dispose of brush and other refuse as required by Forest officers.

6. The permittee shall pay the United States for any damage resulting from this use.

7. Construction work under this permit shall begin within 1 year, be completed within 2 years, and this use shall be actually exercised at least 100 days each year, unless the time is extended or shortened.

8. This permit is not transferable (Sec 3737, U S Rev. Stat) and shall terminate upon breach of any of the conditions herein, or at the discretion of the Forester.

9. Timber shall be obtained by purchase.

April 6, 1914

(S) B. W. Wynne  
Forest Supervisor.

7  
Post

RIGHT OF WAY APPLICATION

RAMONA CANAL

OF

ED. FLETCHER

[EXHIBIT 'A']  
an

U. S. DEPARTMENT OF THE INTERIOR.

FILED WITH REGISTER AND RECEIVER

MAY 2, 1913.

(partial)

Exhibit "A"

(Book 4, Page 150 of Water Claims.)

Notice of Appropriation.

Notice is hereby given that the undersigned J. E. Gorish, claims and appropriates, to the extent of Forty-Thousand Miner's Inches measured under a four inch pressure, all the waters of the Santa Ysabel River and the tributaries and affluents thereof in the County of San Diego, and State of California, flowing or hereafter to flow in the channel of said River at the point where this notice is posted to-wit: at a point on the left bank of said River Eighteen Hundred feet (1800) or thereabouts South from where said River crosses the section line between Section 16 and Section 21, Township 12 South, Range 2 East, San Bernardino Meridian, said point being in the northwest Quarter of said Section 21.

That the purposes for which said J. E. Gorish appropriates and claims said water are for the irrigation of lands and for domestic use and for horticultural and agricultural purposes in said County of San Diego, State of California.

That the places of intended use of said water and where the same is to be used as aforesaid are on the following described lands, situated in the County of San Diego, State of California, to-wit:

On the Rancho Valle de Pamo, on the Bernardo Rancho, on Sections 24, 25, 26 and 36, Township 13 South, Range 2 West, San Bernardino Meridian; on lands included in the Linda Vista Irrigation District, on the Rancho Rincon del Diablo, Valecitas de San Marcos, Encinitas and San Dieguito, on lands in fractional townships as follows:

Township 12 South, Range 4 West, Township 13 South, Range 4 West, Township 12 South, Range 3 West, Township 14 South, Range 4 West, Township 14 South, Range 3 West, Township 14 South, Range 2 West.

That the means by which said J. E. Gerish intends to divert the said water is by the constructing of a solid dam across the channel of said river at the point where this notice is posted as aforesaid, 120 feet in height more or less, in order to divert sufficient waters of said stream to make up with the flow of said stream the said continuous flow of Forty Thousand Inches of water so measured as aforesaid, also by means of a flume, ditch, cement aqueduct, tunnels and pipes leading from said dam the same to be twelve feet in width by eight feet in height upon a grade of 10 foot per mile or in the case of a circular conduit the same to be 9 feet in diameter on a grade of 25 feet per mile; the same to be of sufficient size to carry the requisite amount of water at each respective point and diminishing as the supply is utilized along the line of said conduit.

That the place of intended diversion of said water is the place where said dam is to be constructed as aforesaid, and where this notice is posted as hereinbefore stated and that a part of the route of intended conveyance of said water so claimed by the undersigned, is within the Cleveland<sup>and</sup>/National Forest and within Sections 19, 20 and 21, Township 12 South, Range 2 East, San Bernardino Meridian and within Sections 25, 26 35 and 36, Township 12 South, Range 1 East, and within Sections 3, 4, 5, 7, 8, 10, 11, 12, 17, 19, 20, 30 and 31, Township 13 South, Range 1 West, and within Sections 5, 6, 7, 8, 18 and 19, Township 14 South, Range 1 West, and within Sections 24, 25, 26 and 36, Township 14 South Range 2 West in said County of San Diego.

IN WITNESS WHEREOF I have hereunto put my hand this 14th day of December, 1912.

J. E. GERISH,

Appropriator.

THE SOUTHERN TITLE GUARANTY COMPANY, a corporation, hereby certifies that the foregoing copy of Notice of Appropriation is a full, true and complete copy of that certain Notice of Appropriation recorded in Book 4, Page 150 of Water Claims in the Office of the Recorder of San Diego County, California; and further that said notice is the only Notice of Appropriation made by J. E. Gerish as appears from the record of water claims in the Office of the Recorder of said San Diego County.

All rights derived by J. E. Gerish under said Notice of Appropriation have been duly assigned to Ed Fletcher, by assignment filed in the Office of the Recorder of said San Diego County.

IN WITNESS WHEREOF The said SOUTHERN TITLE GUARANTY COMPANY, has caused this Certificate to be signed by its President and attested by its Secretary, and its corporate seal to be hereunto affixed the 3rd day of May, 1913 at 9:00 o'clock A. M.

SOUTHERN TITLE GUARANTY COMPANY,

By (Signed) A. P. Johnson, Jr.  
President.

ATTEST:

(Signed) R. S. Rood  
Secretary.

+++++++  
+ SEAL +  
+++++++

EXHIBIT "C"

Official measurements of the Santa Ysabel Creek have been made by the United States Geological Survey since 1906, as published in Water Supply and Irrigation Paper No. 300, at the following stations

Santa Ysabel near Escondido, 14 miles below the projected point of diversion, with a drainage area of 128 square miles.

Santa Ysabel near Ramona, 6 miles below the point of diversion with a drainage area of 110 square miles.

Measurements have also been observed in 1913, at the point of diversion, the drainage area being 70 square miles.

The available water supply is taken in proportion to the square miles of drainage area corresponding to these stations, and are tabulated as follows:

TABLE OF MONTHLY DISCHARGES.

ON SANTA YSABEL CREEK.

Compiled from U.S. Geological Survey (Water Supply Paper No. 300 and unpublished measurements.)

Monthly Discharge near Escondido from U.S.G.S. Water Supply Paper No. 300.					Same - Estimated for point of Diversion Ratio $\frac{70}{128}$ Square miles.			
1906	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acre- feet.	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acre- feet.
Jan	83	2	11.1	701	46	1	6.3	391
Feb	95	8	30.5	1690	52	4	16.8	930
Mar	8000	29	633.	38900	4400	16	348.	21395
Apr	400	102	211.	13200	220	56	122.	7260
May	90	35	69.7	4290	50	19	38.3	2360
June	35	23	28.4	1690	19	13	15.6	930
July	30	5	12.4	762	17	3	6.8	419
Aug	6	4	4.2	258	3	2	2.3	142
Sept	4	3	3.1	184	2	1	1.7	101
The Period	8000	2	111.6	61700	4400	1	62.0	33928
=====								
<u>1906-07</u>								
Oct	7	3	4.7	289	4	2	2.6	159
Nov	15	6	9.6	571	8	3	5.3	314
Dec	21	11	12.4	762	12	6	6.8	419
Jan	500	40	155.	9530	275	22	85.	5242
Feb	110	50	72.4	4020	61	28	39.8	2211
Mar	290	50	138.	8480	160	28	75.9	4664
Apr	200	67	108.	6430	110	37	59.4	3537
May	65	33	49.	3010	36	18	26.9	1656
June	35	16	24.6	1460	19	9	23.5	803
July	15	5	8.6	529	8	3	4.7	291
Aug	5	5	5.	307	3	3	2.7	169
Sept	6	5	5.5	327	3	3	3.	180
The Year	500	3	49.4	35715	275	2	27.9	19645
=====								



EXHIBIT "0"

Table of Monthly Discharges  
Santa Ysabel near  
Escondido

Same - Estimated at  
point of Diversion Ratio  $\frac{70}{128}$

1907-08	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acres feet	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acres feet.
Oct	15	6	8.1	498	8	3	4.5	274
Nov	12	9	10.2	607	7	5	5.6	334
Dec	15	10	12.	738	8	6	6.6	406
Jan	136	10	25.6	1570	75	6	14.1	864
Feb	146	37	54.1	3110	80	20	29.8	1711
Mar	82	20	37.7	2320	45	11	20.7	1276
Apr	44	12	20.9	1240	24	7	11.5	682
May	25	5	13.7	842	14	3	7.5	463
June	9	1	5.1	301	5	.6	2.8	166
July	1	0	.1	8	.6	0	.1	4
Aug	0	0	0	0	0	0	0	0
Sept	0	0	0	0	0	0	0	0
The Year	146	0	15.6	11200	80.0	0	8.6	6180

1908-09	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acres feet	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acres feet.
Oct	2	0	.6	37	1	0	.3	20
Nov	5	1	2.7	163	3	.6	1.5	90
Dec	17	2	5.7	347	9	1.	3.1	191
Jan	6500	5	293.	18000	3575	3.	161.2	9900
Feb	800	65	216.	12000	440	36.	118.8	6600
Mar	340	80	118.	7260	187	44.	64.9	3993
Apr	125	42	74.8	4450	69	23.	41.1	2448
May	41	23	34.5	2120	23	16.	19.	1166
June	27	14	23.2	1380	15	8.	12.8	759
July	22	3	11.7	719	12	2	6.4	396
Aug	20	0	5.3	327	11	0	2.9	180
Sept	14	0	4.3	258	8	0	2.4	142
The Year	6500	0	65.8	47100	3575	0	36.2	25885

1909-10	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acres feet	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acres feet.
Oct	14	4	5.9	361	8	2	3.2	199
Nov	52	4	17.1	1020	29	2	9.4	561
Dec	700	20	90.2	5550	385	11	49.6	3053
Jan	3100	65	300.	18400	1705	36	165	10120
Feb	64	44	51	2830	35	24	28	1557
Mar	90	31	41.3	2540	50	17	22.7	1397
Apr	62	18	39.1	2330	34	10	21.5	1282
May	20	4	11.4	701	11	2	6.3	386
June	6	1	2.6	155	3	.6	1.4	85
July	1	0	.2	10	.6	.0	.1	6
Aug	0	0	0	0	0	0	0	0
Sept	0	0	0	0	0	0	0	0
The Year	3100	0	46.6	33900	1705	0		18643

1910-11	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acres feet	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acres feet.
Oct	0	0	0	0	0	0	0	0
Nov	0	0	0	0				
Dec	0	0	0	0				
Jan	-	-	-	-				
Feb	-	-	-	-				
Mar	-	-	-	-				
Apr	52	32	37.2	1480	29	18	20.5	814
May	29	9	15.8	972	16	5	8.7	535
June	16	2	7.8	465	9	1	4.3	256
July	2	0	.4	24	1	0	.2	13
Aug	0	0	0	0	0	0	0	0
Sept	0	0	0	0	0	0	0	0
Period	52	0		2941	29	0		1618

EXHIBIT "0"

Table of Monthly Discharges  
Santa Ysabel near Escondido

Ratio  $\frac{70}{128}$

Same Estimated at point of  
Diversion.

1911-12	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft	Acro- feet.	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acro- feet.
Oct	-	0	0	2	0	0	0	1
Nov	6	0	2	123	4	0	1.2	68
Dec	12	2	6	344	7	1	3.1	189
Jan	10	5	8	470	6	3	4.3	259
Feb	10	2	5	289	6	1	2.8	159

Table of Monthly Discharges  
Santa Ysabel near Ramona.

Ratio  $\frac{70}{110}$

Mar	278	10	46.7	178	178	6	29.9	1837
Apr	252	30	75.	4460	161	19	48.	2854
May	106	16	35.	2180	68	10	22.7	1395
June	14	3	9.1	539	9	2	5.8	345
July	6	.5	1.8	113	4	0	1.2	72
Aug	3	.1	.4	27	2	0	.3	17
Sept	2	.1	.5	29	1	0	.3	19

The Year - - - - - 178 0 7215  
 .....

Santa Ysabel near Ramona  
Unpublished Measurements.

Ratio  $\frac{70}{110}$

Same Estimated for point  
of Diversion.

1912-13.

Oct	39	.1	6.2	379	25	0	4	243
Nov	5	2.2	2.8	164	3	1	1.8	105
Dec	4	4.	3.7	225	3	2	2.4	144

Santa Ysabel at point of  
Diversion - Unpublished  
Measurements.

Jan					44	3	6.7	411
Feb					44	5	16.7	928
Mar					27	-	-	-

2.

STATEMENT OF THE CAPACITY IN ACRE-FEET  
OF THE SANTA MARIA RESERVOIR.

<u>Depth</u>	<u>Capacity</u> <u>Acre-feet</u>
0 -----	0
10 -----	1
20 -----	45
30 -----	100
40 -----	522
50 -----	1108
60 -----	2305
70 -----	4500
80 -----	8736

-----oOo-----

EXHIBIT "C"

3. STATEMENT.

The amount of water which it is proposed to divert annually from the Santa Ysabel Creek, is 16,000 acre-feet per year and that such diversion will continue throughout each year.

-----oOo-----

4. STATEMENT OF CHARACTERISTICS OF RAMONA CANAL  
AS AFFECTING THE FLOW OF WATER.

(a.) Artificial Canal - Length - 6 Miles.  
Width - Bottom 3 feet.  
Width - Water Line 7 feet.  
Depth - 3 feet.  
Grade - 2 feet per 1,000 feet.  
Capacity - 50 second-feet.

(b.) The remainder of the canal is along the natural channel of a tributary to Santa Maria Creek and Santa Maria Creek, which also will serve as a main distribution canal for the irrigation of lands in the vicinity of Ramona above the Santa Maria Reservoir.

-----oOo-----

EXHIBIT "O"

7

I, William S. Post, do hereby certify that I have consulted all available records official and otherwise regarding the flow of the Santa Ysabel Creek, that the official record has been compiled from the records of the United States Geological Survey, Water Supply Paper No. 300, and from records made under my direction, and that the above are all the available records official and otherwise.

---

Exhibit "D"

I, Ed. Fletcher, certify that William S. Post, who subscribed the accompanying certificate and affidavit is my chief engineer, and that the accompanying statements, map and field notes were made under my authority, and in accordance with the regulations of the Department of the Interior have been prepared to accompany this application.

EXHIBIT "E"

F I E L D N O T E S

of Center Line of

RAMONA CANAL OF ED. FLETCHER

Survey No. 1 - Within Cleveland National Forest.

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS</u>
			Survey commenced February 7, 1913, with E. L. Berger transit of 5 $\frac{1}{2}$ inch circle reading to single minutes, Azimuth determined by solar observations
			All courses are true courses and distances are in feet. Grades determined with level and rod.
1	N 27° 06' W	150	Beginning at Station 1 of Survey No 1 which is the initial point whence the north-east corner of Section 20, T 12 S., R 2 E., S.B.M. bears N 16° 08' W, 2,192 feet being upon private land within the Cleveland National Forest. Thence through private land, and through Cleveland National Forest.
2	N 3° 38' W	134	
3	N 19° 00' E	133	
4	N 12° 35' E	112	
5	N 41° 21' E	123	
6	N 38° 04' E	197	
7	N 6° 29' E	67	
8	N 4° 31' W	94	
9	N 26° 34' W	140	
10	N 48° 19' W	174	
11	N 39° 26' W	248	
12	N 27° 35' W	183	
13	N 33° 31' W	116	
14	N 50° 54' W	51	
15	N 66° 16' W	288	
15 $\frac{1}{2}$			Intersects section line between Sections 21 and 20, T. 12 S., R. 2 E., S.B.M., whence northeast corner of Section 20, bears North 356'. Leave private land and enter public land within Cleveland National Forest.
	N 66° 16' W	66	
16	S 71° 17' W	141	
17	S 34° 12' W	72	
18	S 34° 57' W	71	
19	S 57° 34' W	142	
20	S 34° 22' W	77	
21	S 48° 42' W	99	
22	S 23° 59' W	68	
23	S 12° 55' W	341	
24	S 77° 08' W	163	
25	S 83° 03' W	169	
26	N 13° 06' W	181	
27	N 58° 25' W	181	
28	N 40° 02' W	225	
29	N 16° 28' W	336	



<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS</u>
30	N 44° 38' W	141	
31	N 44° 36' W	192	
32	N 78° 26' W	125	
33	S 54° 04' W	138	
34	S 81° 35' W	171	
35	S 71° 42' W	141	
36	S 86° 01' W	48	
37	S 65° 58' W	140	
38	S 58° 02' W	103	
39	S 36° 17' W	77	
40	S 11° 49' W	106	
41	S 67° 41' W	83	
43	N 83° 37' W	201	
44	S 76° 08' W	77	
45	S 46° 12' W	133	
46	S 63° 47' W	55	
47	N 81° 49' W	72	
48	S 81° 12' W	102	
49	S 39° 27' W	137	
50	S 66° 15' W	161	
51	S 43° 43' W	69	
52	S 29° 53' W	154	
53	N 52° 32' W	91	
54	N 67° 35' W	169	
55	N 78° 23' W	151	
56	N 72° 07' W	105	
57	N 70° 44' W	145	
58	N 27° 54' W	87	
59	N 63° 35' W	187	
60	N 69° 47' W	255	
61	N 23° 27' E	91	
62	N 47° 19' W	58	
63	S 85° 34' W	113	
64	N 83° 50' W	174	
65	S 44° 02' W	111	
66	S 9° 50' W	123	
67	S 63° 22' W	104	
68	S 1° 19' E	130	
69	S 37° 02' W	154	
70	S 35° 07' W	159	
71	S 25° 18' W	80	
71 $\frac{1}{2}$	S 25° 16' W	23	Intersects section line between Sections 19 and 20, T. 12 S., R. 2 E., S.B.M., whence northwest corner of Section 20, bears north 1143 feet.
72	S 13° 37' W	127	
73	S 10° 40' W	271	
74	S 73° 09' W	181	
75	S 21° 51' E	39	
76	S 8° 22' E	72	
77	S 32° 14' W	115	
78	S 52° 07' W	58	
79	N 58° 05' W	120	
80	N 21° 28' W	445	
81	N 72° 54' W	88	
82	N 81° 52' W	299	
83	N 76° 35' W	412	
84	N 60° 27' W	97	
85	S 51° 42' W	99	
86	S 22° 40' W	73	
87	S 15° 25' E	143	
88	S 48° 51' W	100	
89	S 16° 48' E	365	
90	S 2° 36' W	92	
91	S 45° 25' W	79	

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS</u>
92	S 34° 34' W	87	
93	N 69° 34' W	50	
94	N 41° 04' W	111	
95	N 54° 16' W	214	
96	S 82° 19' W	129	
97	S 58° 40' W	163	
98	N 76° 29' W	136	
99	N 71° 40' W	188	
100	S 32° 42' W	52	
101	S 22° 57' W	114	
102	S 43° 05' W	61	
103	S 15° 24' W	60	
104	S 36° 16' E	55	
105	S 13° 09' W	168	
106	S 3° 37' E	133	
107	N 71° 13' W	46	
108	S 62° 21' W	188	
109	S 71° 49' W	216	
110	S 79° 34' W	156	
111	S 47° 46' W	146	
112	S 43° 17' W	169	
113	S 23° 26' W	68	
114	S 8° 56' W	110	
115	S 12° 04' W	137	
116	N 84° 55' W	50	
117	S 80° 32' W	100	
118	S 43° 53' W	65	
119	S 55° 30' W	111	
120	S 12° 48' W	649	
121	N 46° 40' W	284	
122	N 69° 45' W	185	
123	S 36° 59' W	156	
124	S 21° 52' W	1096	
125	S 25° 03' E	140	
125 $\frac{1}{2}$	S 25° 54' W	250	Intersects section line between Sections 19 and 30, whence the northwest corner of Section 19, bears S 89° 44' W, 342 feet.
126	S 28° 54' W	914	
126 $\frac{1}{2}$	S 28° 54' W	205	Intersects Range Line between Section 24, R. 1 E., and Section 19, R. 2 E., T. 12 S., S.B.M., whence the northwest corner of Section 19 bears north 1,027 feet.
127	N 17° 51' W	197	
128	S 48° 56' W	112	
129	S 39° 19' W	78	
130	S 26° 44' W	88	
131	S 8° 46' E	19	
132	S 9° 26' W	88	
133	S 9° 04' E	43	
134	S 0° 51' E	54	
135	S 48° 51' E	233	
136	S 70° 58' E	168	
136 $\frac{1}{2}$	S 70° 58' E	32	Intersects Range Line between Section 24, R. 1 E., and Section 19, R. 2 E., T. 12 S., S.B.M. whence the northwest corner of Section 19, bears north 1,641 feet.
137	N 81° 17' E	181	
138	N 77° 24' E	256	
139	S 1° 31' E	79	
140	S 69° 49' W	198	
141	S 57° 26' W	111	
142	S 71° 00' W	93	
143	S 63° 59' W	106	

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS</u>
144	S 64° 45' W	17	
144 <sup>1</sup> / <sub>2</sub>	S 64° 45' W	224	Intersects Range Line between Section 30, R. 2 E., and Section 25, R. 1 E., whence 1/4 corner between said Sections bears south 825 feet.
145	S 42° 33' W	112	
146	S 57° 53' W	161	
147	S 11° 22' W	115	
148	S 65° 11' W	75	
149	S 44° 47' W	200	
150	S 18° 48' W	146	
151	S 53° 35' W	101	
152	S 42° 40' W	146	
153	S 3° 36' E	385	
154	S 74° 40' W	88	
155	S 35° 41' W	100	
156	S 57° 57' W	312	
157	S 13° 08' E	150	
158	S 22° 47' W	122	
159	S 19° 50' W	84	
160	S 60° 22' W	66	
161	S 46° 00' W	101	
162	S 3° 59' W	244	
162A	S 5° 58' E	612	
166A	S 43° 26' W	465	
167A	S 37° 23' E	99	
167B	S 50° 49' E	206	
167C	S 22° 54' E	21	
167	S 22° 54' E	279	Intersect Section line between Sections 25 and 36, T. 12 S., R. 1 E., whence the 1/4 corner between Section 25 and 36 bears N. 89° 43' W., 226 feet.
167D	S 34° 24' E	131	
167E	S 13° 36' W	198	
167F	S 35° 57' E	178	
167G	S 2° 35' W	433	
168A	S 10° 52' W	237	
168B	S 80° 28' W	139	
168C	S 16° 24' W	340	
168D	S 33° 29' W	1302	
170A	S 19° 20' W	280	
170	(S 19° 20' W)	(166)	Intersects north boundary of Valle de Pamo Rancho, Terminal point of Survey No. 1, whence the 1/4 corner between Sections 25 and 36, T. 12 S., R. 1 E., bears N. 3° 49' W., 3,042 feet. Survey completed February 15th, 1913.

*30286  
in ft.*

SURVEY NO. 2, - WITHIN PRIVATE LANDS ON RANCHO VALLE DE PAMO.

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS.</u>
170	S 19° 20' W	166	Initial point of Survey No. 2, being on North Boundary of Valle de Pamo Rancho, whence the 1/4 corner between Sections 25 and 36, T. 12 S., R. 1 E., bears N 3° 49' W, 3,042 feet. Survey commenced February 15th, 1913.
170B	S 61° 32' W	195	
170C	S 52° 41' W	330	
170D	S 21° 14' W	796	
171A	S 18° 52' W	194	
171B	S 39° 31' W	581	
172A	S 45° 08' W	213	
172B	N 80° 43' W	232	
173A	S 49° 35' W	314	
173B	S 27° 18' W	488	
173C	S 12° 46' W	204	
173D	S 49° 45' W	340	
174A	S 14° 35' W	756	
175A	S 7° 11' E	446	
175B	S 58° 31' W	365	
175C	S 31° 48' W	444	
176A	S 23° 18' W	374	
176B	S 29° 38' W	731	
177A	S 26° 04' W	417	
177B	S 28° 59' W	634	
177C	S 39° 12' W	255	
178A	S 8° 27' W	442	
178B	S 27° 55' W	556	
178C	S 15° 42' W	220	
179A	S 22° 25' W	507	
179B	S 0° 50' E	420	
180A	S 6° 41' W	483	
180B	S 70° 52' W	399	
181A	S 40° 47' W	500	
181B	N 76° 47' W	394	
181C	S 40° 23' W	338	
182A	S 28° 37' W	161	
182B	S 50° 23' W	316	
182C	S 81° 44' W	681	
182D	S 50° 38' W	398	
183A	S 15° 25' W	342	
183B	S 56° 57' E	125	
183C	S 14° 14' W	418	
183D	S 16° 04' W	242	
183E	S 81° 20' W	129	
184A	S 76° 49' W	166	
184B	S 21° 26' W	917	
184C	N 57° 55' W	661	
184D	S 38° 48' W	661	
185A	S 37° 05' W	1510	
186A	S 38° 17' W	351	
186B	S 51° 36' W	640	
186C	S 63° 27' W	625	
187A	S 68° 39' W	689	
187B	S 34° 05' W	490	
187C	S 72° 32' W	526	
188A	N 57° 40' W	317	
188B	S 81° 46' W	461	
188C	S 69° 42' W	401	
188D	S 47° 50' W	862	
188E	S 14° 55' W	280	
189A	S 9° 48' W	199	
189B	S 69° 08' W	348	
189C	S 21° 06' W	209	

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS</u>
189D	S 47° 51' W	545	
189E	S 64° 38' W	706	
189F	N 81° 31' W	227	
190A	N 70° 39' W	838	
190B	N 82° 18' W	310	
191A	N 86° 54' W	481	
191B	S 30° 46' W	783	
191C	S 67° 09' W	1352	
192A	S 49° 25' W	1060	
192B	S 53° 33' W	930	
193A	N 36° 45' W	130	
193B	S 71° 03' W	1485	
193C	S 76° 39' W	886	
194A	N 52° 52' W	299	
194B	S 61° 44' W	739	
194C	S 24° 58' W	213	
194D	S 3° 09' W	403	
195A	S 59° 57' W	285	
195B	S 70° 28' W	648	
195C	N 57° 31' W	1332	
195D	S 82° 07' W	909	
196A	N 88° 30' W	1478	
196B	N 65° 15' W	655	
197			

Station No 197 being terminal point of Survey No 2, whence the 1/4 corner on the south boundary of Section 12, T. 13 S., R. 1 W., S.B.M., bears N 15° 39' W, 8,038 feet. Survey completed February 18th, 1913.

SURVEY NO. 3.

WITHIN PRIVATE LANDS ON RANCHO VALLE DE PAMO AND  
ADJACENT PRIVATE LANDS.

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS</u>
197			Station No. 197 - Initial point of Meander Line through Santa Maria Reservoir and within the Valle de Pamo Rancho, from whence the 1/4 corner on the south boundary of Section 12, T. 13 S., R. 1 W., S.B.M. bears N. 15° 39' W., 8,038 feet. Survey commenced February 18th, 1913.
	N 79° 00' W	1100	
198	N 33° 30' W	1400	
199	N 73° 00' W	283	
200	N 44° 00' W	967	
201	N 61° 30' W	3100	
202	N 17° 30' W	2035	
203	N 40° 15' E	1310	
204	N 12° 30' E	1330	
205			Station No. 205 intersects the north line of Rancho Valle de Famo, whence the 1/4 corner on the south boundary of Section 12, T. 13 S., R. 1 W., S.B.M., bears East 2,943 feet.
	N 5° 30' W	1075	
206	N 14° 00' W	270	
207	N 13° 30' E	280	

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS</u>
208	N 78° 00' W	500	
209	N 19° 00' W	400	
210	N 57° 30' W	275	
211	N 82° 30' W	500	
212	N 10° 00' W	1050	
213	N 40° 30' W	475	
214	N 6° 48' E	521	
215			

Station No. 215 - The terminal point of Survey No. 3, whence the northeast corner of Section 11, T. 13 S., R. 1 W., S.B.M., bears N. 62° 07' E., 2,473 feet. Survey completed February 18th, 1913.

Post<sup>6</sup>

RIGHT OF WAY APPLICATION  
RAMONA CANAL  
OF  
ED. FLETCHER

U. S. DEPARTMENT OF THE INTERIOR.

FILED WITH REGISTER AND RECEIVER

MAY 2, 1913. [w/ EXHIBIT "C"]  
C.M.

Exhibit "B" - Certified copy of laws - is omitted from this copy.

*Exhibit "B": Filed May 29<sup>th</sup>*

*Application acknowledged by Registrar - US Land office*

*June 7, 1913 -*

1 IN THE DEPARTMENT OF THE INTERIOR OF THE UNITED STATES.

2 IN THE MATTER OF THE APPLICATION

3 of

4 Ed Fletcher for Right of Way for  
5 canals and ditches over and through  
6 certain surveyed Public Lands of  
7 the United States, situated in the  
8 County of San Diego, State of Cali-  
9 fornia, under the provisions of Sec-  
10 tions 18 to 21, both inclusive of  
11 the Act of Congress approved March  
12 3, 1891, 26 Statutes 1095.

P E T I T I O N .

9 TO THE HONORABLE, THE SECRETARY OF THE INTERIOR OF THE  
10 UNITED STATES:

11 Comes now Ed Fletcher, a citizen of the United States  
12 and resident of the State of California, and prays for a right of  
13 way through that certain public land and reservation of the Unit-  
14 ed States shown on the map hereinafter referred to, in accordance  
15 with and pursuant to Sections 18, 19, 20 and 21 of the Act of  
16 Congress of March 3rd, 1891 ( 26 Stats.1095) entitled "An act to  
17 repeal timber culture laws and for other purposes", and in support  
18 of said application respectfully represents and shows:

18 I

19 That there is attached hereto and made a part hereof to  
20 the same extent as is here set forth in full for submission to  
21 and approval by the Secretary of the Interior, the following pa-  
22 pers and documents, to-wit:

22 (a) Certificate or abstract of title marked Exhibit "A"  
23 issued by Southern Title Guaranty Company of San Diego, California,  
24 containing a full, true and correct copy of all matters in the of-  
25 fice of the County Recorder of the County of San Diego, State of  
26 California, (in which county all of the waters and sources of  
27 water supply in and to which your petitioner claims right or title  
28 are situate) showing the title of your petitioner to such water and  
29 water rights in so far as the same is based upon notices of appro-  
30 priation under the laws of the State of California.



1 (b) Certificate of Secretary of State of the State of  
2 California, that no changes have been made in the laws of said  
3 State since the date of the certified copy of the laws of the  
4 State of California, forwarded to the general Land Office by the  
5 Secretary of said State of California, said certificate being  
6 marked Exhibit "B".

7 (c) Certificate of W. S. Post, Chief Engineer of peti-  
8 tioner showing:

9 1. So far as records are available the amount of water  
10 flowing in the water course at the proposed point of diversion  
11 during the preceding years.

12 2. That the reservoirs proposed to be constructed by  
13 applicant is of more than 5,000 acre feet capacity and that said  
14 reservoir will be known as the Santa Maria Reservoir and the  
15 amount of water available for storage annually is 8736 acre feet  
16 and that the said reservoir is entirely on private lands, that is  
17 to say land the title to which is vested in individuals or private  
18 corporations, and is partly upon the Valle de Pamo Grant, originat-  
19 ing under Mexican title and never at any time being public lands  
20 of the United States. That the remainder of such reservoir site  
21 is upon lands which formerly belonged to the United States, and  
22 title to which has passed to individuals; all of which is shown by  
23 the certificate of title of the Southern Title Guaranty Company  
24 attached hereto and made a part hereof.

25 3. The amount of water which it is proposed to divert  
26 annually from the water courses affected with the period of such  
27 diversion.

28 4. Length, cross-section, grade and capacity of the  
29 canal proposed to be constructed and the characteristics of the  
30 ditch as affecting the flow of water.

That the said certificate of said W. S. Post is attached  
hereto and marked Exhibit "C".

(d) Certificate under oath or affidavit of the petitioner  
Ed Fletcher that the said W. S. Post is the Chief Engineer of said

1  
2 petitioner, employed to make examination and surveys from and by  
3 which the information and data contained in certificate Exhibit  
4 "C" was prepared, and that such certificate Exhibit "C" was made  
5 in the course of such employment.

6 (e) Map and field notes of surveys made for and on be-  
7 half of petitioner as follows:

8 1. Field notes of center line of Ramona canal of Ed  
9 Fletcher.

10 2. Map showing center line of Ramona canal of Ed  
11 Fletcher which said map is prepared in accordance with the  
12 "regulations concerning right of way over public lands and  
13 reservations" approved June 6th, 1908, and is drawn on trac-  
14 ing linen and strictly conformable to said field notes. That  
15 said map bears the certificate under oath of the said Engineer  
16 of said petitioner by and under whose direction the same and  
17 the surveys therefor were made and also certificate of the  
18 said applicant, Ed Fletcher, as required by the regulations  
19 heretofore mentioned, which certificates are hereby referred  
20 to and made a part hereof.

21 II

22 And your petitioner further respectfully represents and  
23 shows:

24 That he proposes to use the waters brought through the  
25 Ramona Canal for the irrigation of certain lands upon the Rancho  
26 Valle de Pamo and to convey the surplus water together with the  
27 surplus flow of the Santa Maria Creek, together with the return  
28 waters of irrigation into the Santa Maria Reservoir; that he has  
29 acquired possession of surveys showing the capacity of this re-  
30 servoir and has made additional surveys to verify the same; that  
he proposes to turn back into the natural channel of the lower  
Santa Maria Creek from this reservoir the waters so stored partly  
in satisfaction of the riparian owners upon the Santa Ysabel Creek  
below the point where said petitioner proposes to make his diver-  
sion and party for sale and rental upon the lands recited in the

5  
1 notice of appropriation; that this point of return of the water  
2 into the Santa Maria stream bed is so situated as to cover riparian  
3 lands whose water rights may be considered adverse and be affected  
4 by the petitioner's diversion, but that on account of the physical  
5 situation of the Santa Maria Reservoir in relation to these lines  
6 the petitioner believes he may not only satisfy their legal claims  
7 but also by the beneficial regulation of the flow of the stream, he  
8 has created a market for the water.

8 III

9 That as heretofore shown, made a part hereof and marked  
10 Exhibit "C" as aforesaid, the lands upon which a reservoir is to be  
11 constructed by your petitioner, are private lands in which lands  
12 the United States has no right, title or interest whatsoever; that  
13 a portion of the canal hereby applied for is within the Cleveland  
14 National Forest and the remainder is upon the Rancho Valle de Pamo;  
15 that the total length of all the ditches and canals to be construct  
16 ed by your petitioner, is estimated at 17 miles and that as far as  
17 known to your petitioner the portion thereof extending over and  
18 across lands of the United States is six miles.

18 IV

19 Your petitioner further represents and shows that he has  
20 already expended in carrying into effect the irrigation enterprise  
21 herein described, and in the making of surveys, building of roads  
22 and other work preparatory to the construction of said canal the  
23 sum of about \$5000.00 Dollars.

24 WHEREFORE, your petitioner prays that his application for  
25 right of way be granted, and that the maps submitted herewith, as  
26 required by Sections 18 to 21, both inclusive, of the Act of March  
27 3, 1891, and the regulations of the Department of the Interior in  
28 that behalf, be approved and confirmed, and for such other and fur-  
29 ther action as may be meet in the premises.

30 And your petitioner will ever pray.

ED. FLETCHER

Petitioner.

Exhibit "A"

(Book 4, Page 150 of Water Claims.)

Notice of Appropriation.

Notice is hereby given that the undersigned J. E. Gerish, claims and appropriates, to the extent of Forty-Thousand Miner's Inches measured under a four inch pressure, all the waters of the Santa Ysabel River and the tributaries and affluents thereof in the County of San Diego, and State of California, flowing or hereafter to flow in the channel of said River at the point where this notice is posted to-wit: at a point on the left bank of said River Eighteen Hundred feet (1800) or thereabouts South from where said River crosses the section line between Section 16 and Section 21, Township 12 South, Range 2 East, San Bernardino Meridian, said point being in the northwest Quarter of said Section 21.

That the purposes for which said J. E. Gerish appropriates and claims said water are for the irrigation of lands and for domestic use and for horticultural and agricultural purposes in said County of San Diego, State of California.

That the places of intended use of said water and where the same is to be used as aforesaid are on the following described lands, situated in the County of San Diego, State of California, to-wit:

On the Rancho Valle de Pamo, on the Bernardo Rancho, on Sections 24, 25, 26 and 36, Township 13 South, Range 2 West, San Bernardino Meridian; on lands included in the Linda Vista Irrigation District, on the Rancho Rincon del Diablo, Valcitas de San Marcos, Encinitas and San Dieguito, on lands in fractional townships as follows:

Township 12 South, Range 4 West, Township 13 South, Range 4 West, Township 12 South, Range 3 West, Township 14 South, Range 4 West, Township 14 South, Range 3 West, Township 14 South, Range 2 West.

That the means by which said J. E. Gerish intends to divert the said water is by the constructing of a solid dam across the channel of said river at the point where this notice is posted as aforesaid, 120 feet in height more or less, in order to divert sufficient waters of said stream to make up with the flow of said stream the said continuous flow of Forty Thousand Inches of water so measured as aforesaid, also by means of a flume, ditch, cement aqueduct, tunnels and pipes leading from said dam the same to be twelve feet in width by eight feet in height upon a grade of 10 feet per mile or in the case of a circular conduit the same to be 9 feet in diameter on a grade of 25 feet per mile; the same to be of sufficient size to carry the requisite amount of water at each respective point and diminishing as the supply is utilized along the line of said conduit.

That the place of intended diversion of said water is the place where said dam is to be constructed as aforesaid, and where this notice is posted as hereinbefore stated and that a part of the route of intended conveyance of said water so claimed by the undersigned, is within the Cleveland<sup>and</sup>/National Forest and within Sections 19, 20 and 21, Township 12 South, Range 2 East, San Bernardino Meridian and within Sections 25, 26 35 and 36, Township 12 South, Range 1 East, and within Sections 3, 4, 5, 7, 8, 10, 11, 12, 17, 19, 20, 30 and 31, Township 13 South, Range 1 West, and within Sections 5, 6, 7, 8, 18 and 19, Township 14 South, Range 1 West, and within Sections 24, 25, 26 and 36, Township 14 South Range 2 West in said County of San Diego.

IN WITNESS WHEREOF I have hereunto put my hand this 14th day of December, 1912.

J. E. GERISH,

Appropriator.

THE SOUTHERN TITLE GUARANTY COMPANY, a corporation, hereby certifies that the foregoing copy of Notice of Appropriation is a full, true and complete copy of that certain Notice of Appropriation recorded in Book 4, Page 150 of Water Claims in the Office of the Recorder of San Diego County, California; and further that said notice is the only Notice of Appropriation made by J. E. Gerish as appears from the record of water claims in the Office of the Recorder of said San Diego County.

All rights derived by J. E. Gerish under said Notice of Appropriation have been duly assigned to Ed Fletcher, by assignment filed in the Office of the Recorder of said San Diego County.

IN WITNESS WHEREOF The said SOUTHERN TITLE GUARANTY COMPANY, has caused this Certificate to be signed by its President and attested by its Secretary, and its corporate seal to be hereunto affixed the 3rd day of May, 1913 at 9:00 o'clock A. M.

+++++++  
+ SEAL . . . +  
+++++++  
.....

SOUTHERN TITLE GUARANTY COMPANY,  
By (Signed) A. P. Johnson, Jr.  
-President.

ATTEST:

(Signed) R. S. Reed  
-Secretary.

EXHIBIT "O"

Official measurements of the Santa Ysabel Creek have been made by the United States Geological Survey since 1906, as published in Water Supply and Irrigation Paper No. 300, at the following stations

Santa Ysabel near Escondido, 14 miles below the projected point of diversion, with a drainage area of 128 square miles.

Santa Ysabel near Ramona, 6 miles below the point of diversion with a drainage area of 110 square miles.

Measurements have also been observed in 1913, at the point of diversion, the drainage area being 70 square miles.

The available water supply is taken in proportion to the square miles of drainage area corresponding to these stations, and are tabulated as follows:

TABLE OF MONTHLY DISCHARGES.

ON SANTA YSABEL CREEK.

Compiled from U.S. Geological Survey (Water Supply Paper No. 300 and unpublished measurements.)

Monthly Discharge near Escondido  
from U.S.G.S. Water Supply  
Paper No. 300.

Same - Estimated for point  
of Diversion Ratio  $\frac{70}{128}$   
Square miles.

1906	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acro- feet.	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acro- feet.
Jan	83	2	11.1	701	46	1	6.3	391
Feb	95	8	30.5	1690	52	4	15.8	930
Mar	8000	29	633.	36900	4400	16	348.	21395
Apr	400	102	211.	13200	220	56	122.	7260
May	90	35	69.7	4290	50	19	38.3	2360
June	55	23	28.4	1690	19	13	15.6	930
July	30	5	12.4	762	17	3	6.8	419
Aug	6	4	4.8	253	3	2	2.3	142
Sept	4	3	3.1	184	2	1	1.7	101
The Period 8000		2	111.6	61700	4400	1	62.0	33928
<b>1906-07</b>								
Oct	7	3	4.7	299	4	2	2.6	159
Nov	15	6	9.6	571	8	3	5.3	314
Dec	21	11	12.4	762	12	6	6.8	419
Jan	500	40	155.	9530	275	22	85.	5242
Feb	110	50	72.4	4020	61	28	39.8	2211
Mar	290	50	133.	6480	160	28	75.9	4664
Apr	200	67	108.	6430	110	37	59.4	3537
May	63	33	49.	3010	36	18	26.9	1656
June	35	16	24.6	1460	19	9	23.5	803
July	15	5	8.6	529	8	3	4.7	291
Aug	5	5	5.	307	3	3	2.7	169
Sept	6	5	5.6	327	3	3	3.	180
The Year	500	3	49.4	35715	275	2	27.9	19645



**EXHIBIT "G"**

**Table of Monthly Discharges  
Santa Ysabel near  
Escondido**

Same - Estimated at  
point of Diversion Ratio  $\frac{70}{125}$

1907-08	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acres feet	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acres feet.
Oct	15	6	8.1	498	8	3	4.5	274
Nov	12	9	10.2	607	7	5	5.6	334
Dec	15	10	12.	738	8	6	6.6	406
Jan	136	10	25.6	1570	75	6	14.1	864
Feb	146	37	54.1	5110	80	20	29.8	1711
Mar	82	20	37.7	2320	45	11	20.7	1276
Apr	44	12	20.9	1240	24	7	11.5	682
May	25	5	13.7	842	14	3	7.5	463
June	9	1	5.1	301	5	.6	2.8	166
July	1	0	.1	8	.6	0	.1	4
Aug	0	0	0	0	0	0	0	0
Sept	0	0	0	0	0	0	0	0
<b>The Year</b>	<b>146</b>	<b>0</b>	<b>15.6</b>	<b>11200</b>	<b>80.0</b>	<b>0</b>	<b>8.6</b>	<b>6180</b>

**1908-09**

Oct	2	0	.6	37	1	0	.3	20
Nov	5	1	2.7	163	3	.6	1.5	90
Dec	17	2	5.7	347	9	1.	3.1	191
Jan	6500	5	293.	18000	3575	3.	161.2	9900
Feb	800	65	216.	12000	440	36.	118.8	6600
Mar	340	80	118.	7260	187	44.	64.9	3993
Apr	125	42	74.8	4450	69	23.	41.1	2448
May	41	28	34.5	2180	23	16.	19.	1166
June	27	14	23.2	1380	15	8.	12.8	759
July	22	3	11.7	719	12	2	6.4	396
Aug	20	0	5.3	327	11	0	2.9	180
Sept	14	0	4.3	258	8	0	2.4	142
<b>The Year</b>	<b>6500</b>	<b>0</b>	<b>65.8</b>	<b>47100</b>	<b>3575</b>	<b>0</b>	<b>36.2</b>	<b>25885</b>

**1909-10**

Oct	14	4	5.9	361	8	2	3.2	199
Nov	52	4	17.1	1020	29	2	9.4	561
Dec	700	20	90.2	5550	385	11	49.6	3053
Jan	3100	65	300.	18400	1705	36	165	10120
Feb	64	44	51	2830	35	24	28	1557
Mar	90	31	41.3	2540	50	17	22.7	1397
Apr	62	13	39.1	2330	34	10	21.5	1282
May	20	4	11.4	701	11	2	6.3	386
June	6	1	2.6	155	3	.6	1.4	85
July	1	0	.2	10	.6	.0	.1	6
Aug	0	0	0	0	0	0	0	0
Sept	0	0	0	0	0	0	0	0
<b>The Year</b>	<b>3100</b>	<b>0</b>	<b>46.6</b>	<b>33900</b>	<b>1705</b>	<b>0</b>		<b>18643</b>

**1910-11**

Oct	0	0	0	0	0	0	0	0
Nov	0	0	0	0				
Dec	0	0	0	0				
Jan	-	-	-	-				
Feb	-	-	-	-				
Mar	-	-	-	-				
Apr	52	32	37.2	1480	29	18	20.5	814
May	29	9	15.3	972	16	5	8.7	535
June	16	2	7.8	465	9	1	4.3	256
July	2	0	.4	24	1	0	.3	15
Aug	0	0	0	0	0	0	0	0
Sept	0	0	0	0	0	0	0	0
<b>Period</b>	<b>52</b>	<b>0</b>		<b>2941</b>	<b>59</b>	<b>0</b>		<b>1618</b>

**Table of Monthly Discharges  
Santa Ysabel near Escondido**

EXHIBIT "0"  
Ratio  $\frac{70}{120}$

Same Estimated at point of  
Diversion.

1911-12	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acro- feet.	Maximum Sec.Ft.	Minimum Sec.Ft.	Mean Sec.Ft.	Acro- feet.
Oct	-	0	0	2	0	0	0	1
Nov	6	0	2	123	4	0	1.2	68
Dec	12	2	6	344	7	1	3.1	189
Jan	10	5	8	470	6	3	4.3	259
Feb	10	2	5	239	6	1	2.8	159

**Table of Monthly Discharges  
Santa Ysabel near Ramona.**

Ratio  $\frac{70}{110}$

Mar	278	10	46.7	178	178	0	29.9	1837
Apr	252	30	75.	4460	161	19	48.	2854
May	106	16	35.	2180	68	10	22.7	1395
June	14	3	9.1	539	9	2	5.8	345
July	6	.5	1.8	113	4	0	1.2	72
Aug	3	.1	.4	27	2	0	.3	17
Sept	2	.1	.5	29	1	0	.3	19
The Year	-	-	-	-	178	0	-	7215

**Santa Ysabel near Ramona  
Unpublished Measurements.**

Ratio  $\frac{70}{110}$

Same Estimated for point  
of Diversion.

1912-13.

Oct	39	.1	6.2	379	25	0	4	243
Nov	5	2.2	2.8	164	3	1	1.8	105
Dec	4	4.	3.7	225	3	2	2.4	144

**Santa Ysabel at point of  
Diversion - Unpublished  
Measurements.**

Jan					44	3	6.7	411
Feb					44	5	16.7	928
Mar					27	-	-	-

2.

STATEMENT OF THE CAPACITY IN ACRE-FEET  
OF THE SANTA MARIA RESERVOIR.

<u>Depth</u>	<u>Capacity</u> <u>Acre-feet</u>
0 -----	0
10 -----	1
20 -----	45
30 -----	100
40 -----	522
50 -----	1108
60 -----	2205
70 -----	4500
80 -----	8736

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## EXHIBIT "C"

3. STATEMENT.

The amount of water which it is proposed to divert annually from the Santa Ysabel Creek, is 16,000 acre-feet per year and that such diversion will continue throughout each year.

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4. STATEMENT OF CHARACTERISTICS OF RAMONA CANAL  
AS AFFECTING THE FLOW OF WATER.

- (a.) Artificial Canal - Length - 6 Miles.  
Width - Bottom 3 feet.  
Width - Water Line 7 feet.  
Depth - 3 feet.  
Grade - 2 feet per 1,000 feet.  
Capacity - 50 second-feet.
- (b.) The remainder of the canal is along the natural channel of a tributary to Santa Maria Creek and Santa Maria Creek, which also will serve as a main distribution canal for the irrigation of lands in the vicinity of Ramona above the Santa Maria Reservoir.

-----oOo-----

I, William S. Post, do hereby certify that I have consulted all available records official and otherwise regarding the flow of the Santa Ysabel Creek, that the official record has been compiled from the records of the United States Geological Survey, Water Supply Paper No. 300, and from records made under my direction, and that the above are all the available records official and otherwise.

William S. Post

Exhibit "D"

I, Ed. Fletcher, certify that William S. Post, who subscribed the accompanying certificate and affidavit is my chief engineer, and that the accompanying statements, map and field notes were made under my authority, and in accordance with the regulations of the Department of the Interior have been prepared to accompany this application.

ED. FLETCHER

FIELD NOTES

of Center Line of

RAMONA CANAL OF ED. FLETCHERSurvey No. 1 - Within Cleveland National Forest.

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS</u>
			Survey commenced February 7, 1913, with E. L. Berger transit of 5 $\frac{1}{2}$ inch circle reading to single minutes. Azimuth determined by solar observations
			All courses are true courses and distances are in feet. Grades determined with level and rod.
1	N 27° 06' W	150	Beginning at Station 1 of Survey No 1 which is the initial point whence the north-east corner of Section 20, T 12 S., R 2 E., S.B.M. bears N 16° 08' W, 2,192 feet being upon private land within the Cleveland National Forest. Thence through private land, and through Cleveland National Forest.
2	N 3° 38' W	134	
3	N 19° 00' E	133	
4	N 12° 35' E	112	
5	N 41° 21' E	123	
6	N 38° 04' E	197	
7	N 6° 29' E	67	
8	N 4° 31' W	94	
9	N 26° 34' W	140	
10	N 48° 19' W	174	
11	N 39° 26' W	248	
12	N 27° 35' W	183	
13	N 33° 31' W	116	
14	N 50° 54' W	51	
15	N 66° 16' W	288	
15 $\frac{1}{2}$			Intersects section line between Sections 21 and 20, T. 12 S., R. 2 E., S.B.M., whence northeast corner of Section 20, bears North 356'. Leave private land and enter public land within Cleveland National Forest.
	N 66° 16' W	66	
16	S 71° 17' W	141	
17	S 34° 12' W	72	
18	S 34° 57' W	71	
19	S 57° 34' W	142	
20	S 34° 22' W	77	
21	S 48° 42' W	99	
22	S 23° 59' W	68	
23	S 12° 55' W	341	
24	S 77° 08' W	163	
25	S 83° 03' W	169	
26	N 13° 06' W	181	
27	N 58° 25' W	181	
28	N 40° 02' W	225	
29	N 16° 28' W	336	



STATION      BEARING      DISTANCE      REMARKS

30	N 44° 38'	W	141
31	N 44° 36'	W	192
32	N 78° 26'	W	125
33	S 54° 04'	W	138
34	S 81° 35'	W	171
35	S 71° 42'	SW	141
36	S 86° 01'	W	48
37	S 65° 58'	W	140
38	S 58° 02'	W	103
39	S 36° 17'	W	77
40	S 11° 49'	W	106
41	S 67° 41'	W	83
43	N 83° 37'	W	201
44	S 76° 08'	W	77
45	S 46° 12'	W	133
46	S 63° 47'	W	55
47	N 81° 49'	W	72
48	S 81° 12'	W	102
49	S 39° 27'	W	137
50	S 66° 15'	W	161
51	S 43° 43'	W	69
52	S 29° 53'	W	154
53	N 52° 32'	W	91
54	N 67° 35'	W	169
55	N 78° 23'	W	151
56	N 72° 07'	W	105
57	N 70° 44'	W	145
58	N 27° 54'	W	87
59	N 63° 35'	W	187
60	N 69° 47'	W	255
61	N 23° 27'	E	91
62	N 47° 19'	W	58
63	S 85° 34'	W	113
64	N 83° 50'	W	174
65	S 44° 02'	W	111
66	S 9° 50'	W	123
67	S 63° 22'	W	104
68	S 1° 19'	E	130
69	S 37° 02'	W	154
70	S 35° 07'	W	159
71	S 25° 18'	W	80
71 <sup>1/2</sup>	S 25° 18'	W	23

Intersects section line between Sections 19 and 20, T. 12 S., R. 2 E., S.B.M., whence northwest corner of Section 20, bears north 1143 feet.

72	S 13° 37'	W	127
73	S 10° 40'	W	271
74	S 73° 09'	W	181
75	S 21° 51'	E	39
76	S 8° 22'	E	72
77	S 32° 14'	W	115
78	S 52° 07'	W	58
79	N 58° 05'	W	120
80	N 21° 28'	W	445
81	N 72° 54'	W	88
82	N 81° 52'	W	299
83	N 76° 35'	W	412
84	N 60° 27'	W	97
85	S 51° 42'	W	99
86	S 22° 40'	W	73
87	S 15° 25'	E	143
88	S 48° 51'	W	100
89	S 16° 48'	E	365
90	S 2° 36'	W	82
91	S 45° 25'	W	75

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS</u>
92	S 34° 34' W	87	
93	N 69° 34' W	50	
94	N 41° 04' W	111	
95	N 54° 16' W	214	
96	S 82° 19' W	129	
97	S 58° 40' W	163	
98	N 76° 29' W	136	
99	N 71° 40' W	188	
100	S 32° 42' W	52	
101	S 22° 57' W	114	
102	S 43° 05' W	61	
103	S 15° 24' W	60	
104	S 36° 16' E	55	
105	S 13° 09' W	168	
106	S 3° 37' E	133	
107	N 71° 13' W	46	
108	S 62° 21' W	188	
109	S 71° 49' W	216	
110	S 79° 34' W	156	
111	S 47° 46' W	146	
112	S 43° 17' W	169	
113	S 23° 26' W	68	
114	S 8° 56' W	110	
115	S 12° 04' W	137	
116	N 84° 55' W	50	
117	S 80° 32' W	100	
118	S 43° 53' W	65	
119	S 55° 30' W	111	
120	S 12° 48' W	649	
121	N 46° 40' W	284	
122	N 69° 45' W	185	
123	S 36° 59' W	156	
124	S 21° 52' W	1096	
125	S 25° 03' E	140	
125 $\frac{1}{2}$	S 25° 54' W	250	Intersects section line between Sections 19 and 30, whence the northwest corner of Section 19, bears S 89° 44' W, 342 feet.
126	S 28° 54' W	914	
126 $\frac{1}{2}$	S 28° 54' W	205	Intersects Range Line between Section 24, R. 1 E., and Section 19, R. 2 E., T. 12 S., S.B.M., whence the northwest corner of Section 19 bears north 1,027 feet.
127	N 17° 51' W	197	
128	S 48° 56' W	112	
129	S 39° 19' W	78	
130	S 26° 44' W	88	
131	S 8° 46' E	19	
132	S 9° 26' W	88	
133	S 9° 04' E	43	
134	S 0° 51' E	54	
135	S 48° 51' E	233	
136	S 70° 58' E	168	
136 $\frac{1}{2}$	S 70° 58' E	32	Intersects Range Line between Section 24, R. 1 E., and Section 19, R. 2 E., T. 12 S., S.B.M. whence the northwest corner of Section 19, bears north 1,641 feet.
137	N 81° 17' E	181	
138	N 77° 24' E	256	
139	S 1° 31' E	79	
140	S 69° 49' W	198	
141	S 57° 26' W	111	
142	S 71° 00' W	93	
143	S 63° 59' W	106	

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS</u>
144	S 64° 45' W	17	
144 <sup>1/2</sup>	S 64° 45' W	224	Intersects Range Line between Section 30, R. 2 E., and Section 25, R. 1 E., whence 1/4 corner between said Sections bears south 825 feet.
145	S 42° 33' W	112	
146	S 57° 53' W	161	
147	S 11° 22' W	115	
148	S 65° 11' W	75	
149	S 44° 47' W	200	
150	S 18° 43' W	146	
151	S 53° 35' W	101	
152	S 42° 40' W	146	
153	S 3° 36' E	385	
154	S 74° 40' W	88	
155	S 35° 41' W	100	
156	S 57° 57' W	312	
157	S 13° 08' E	150	
158	S 22° 47' W	122	
159	S 19° 50' W	84	
160	S 60° 22' W	66	
161	S 46° 00' W	101	
162	S 3° 59' W	244	
162A	S 5° 58' E	612	
166A	S 43° 26' W	465	
167A	S 37° 23' E	99	
167B	S 50° 49' E	206	
167C	S 22° 54' E	21	
167	S 22° 54' E	279	Intersect Section line between Sections 25 and 36, T. 12 S., R. 1 E., whence the 1/4 corner between Section 25 and 36 bears N. 89° 43' W., 226 feet.
167D	S 34° 24' E	131	
167E	S 13° 36' W	198	
167F	S 35° 57' E	178	
167G	S 2° 35' W	433	
168A	S 10° 52' W	237	
168B	S 80° 28' W	139	
168C	S 16° 24' W	340	
168D	S 33° 29' W	1302	
170A	S 19° 20' W	280	
170	(S 19° 20' W)	(166)	Intersects north boundary of Valle de Pamo Rancho, Terminal point of Survey No. 1, whence the 1/4 corner between Sections 25 and 36, T. 12 S., R. 1 E., bears N. 3° 49' W., 3,042 feet. Survey completed February 15th, 1913.

SURVEY NO. 2. - WITHIN PRIVATE LANDS ON RANCHO VALLE DE PAMO.

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS.</u>
170	S 19° 20' W	166	Initial point of Survey No. 2, being on North Boundary of Valle de Pamo Rancho, whence the 1/4 corner between Sections 25 and 26, T. 12 S., R. 1 E., bears N 3° 49' W, 3,042 feet. Survey commenced February 15th, 1913.
170B	S 61° 32' W	195	
170C	S 52° 41' W	330	
170D	S 21° 14' W	796	
171A	S 18° 52' W	194	
171B	S 39° 31' W	581	
172A	S 45° 08' W	213	
172B	N 80° 43' W	232	
173A	S 49° 35' W	314	
173B	S 27° 18' W	488	
173C	S 12° 46' W	204	
173D	S 49° 45' W	340	
174A	S 14° 35' W	756	
175A	S 7° 11' E	446	
175B	S 58° 31' W	365	
175C	S 31° 48' W	444	
176A	S 23° 18' W	374	
176B	S 29° 38' W	731	
177A	S 26° 04' W	417	
177B	S 28° 59' W	634	
177C	S 39° 12' W	255	
178A	S 8° 27' W	442	
178B	S 27° 55' W	556	
178C	S 15° 42' W	220	
179A	S 22° 25' W	507	
179B	S 0° 50' E	420	
180A	S 6° 41' W	483	
180B	S 70° 52' W	399	
181A	S 40° 47' W	500	
181B	N 76° 47' W	394	
181C	S 40° 23' W	338	
182A	S 28° 37' W	161	
182B	S 50° 23' W	316	
182C	S 81° 44' W	681	
182D	S 50° 38' W	398	
183A	S 15° 25' W	342	
183B	S 56° 57' E	125	
183C	S 14° 14' W	418	
183D	S 16° 04' W	242	
183E	S 81° 20' W	129	
184A	S 76° 49' W	166	
184B	S 21° 26' W	917	
184C	N 57° 55' W	661	
184D	S 38° 48' W	661	
185A	S 37° 05' W	1510	
186A	S 38° 17' W	351	
186B	S 51° 36' W	640	
186C	S 63° 27' W	625	
187A	S 68° 39' W	689	
187B	N 34° 05' W	490	
187C	S 72° 32' W	526	
188A	N 57° 40' W	317	
188B	S 81° 46' W	461	
188C	S 69° 42' W	401	
188D	S 47° 50' W	862	
188E	S 14° 55' W	280	
189A	S 9° 48' W	199	
189B	S 69° 08' W	348	
189C	S 21° 06' W	209	

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS</u>
189D	S 47° 51' W	545	
189E	S 64° 38' W	706	
189F	N 81° 31' W	827	
190A	N 70° 39' W	838	
190B	N 82° 18' W	310	
191A	N 86° 54' W	481	
191B	S 30° 46' W	783	
191C	S 67° 09' W	1352	
192A	S 49° 25' W	1060	
192B	S 53° 33' W	930	
193A	N 36° 45' W	130	
193B	S 71° 03' W	1485	
193C	S 76° 39' W	886	
194A	N 52° 52' W	299	
194B	S 61° 44' W	739	
194C	S 24° 58' W	213	
194D	S 3° 09' W	403	
195A	S 59° 57' W	285	
195B	S 70° 28' W	648	
195C	N 57° 31' W	1332	
195D	S 82° 07' W	909	
196A	N 88° 30' W	1478	
196B	N 65° 15' W	655	
197			

Station No 197 being terminal point of Survey No 2, whence the 1/4 corner on the south boundary of Section 12, T. 13 S., R. 1 W., S.B.M., bears N 15° 39' W, 8,038 feet. Survey completed February 18th, 1913.

SURVEY NO. 3.

WITHIN PRIVATE LANDS ON RANCHO VALLE DE PAMO AND  
ADJACENT PRIVATE LANDS.

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS</u>
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197

Station No. 197 - Initial point of Meander Line through Santa Maria Reservoir and within the Valle de Pamo Rancho, from whence the 1/4 corner on the south boundary of Section 12, T. 13 S., R. 1 W., S.B.M. bears N. 15° 39' W., 8,038 feet. Survey commenced February 18th, 1913.

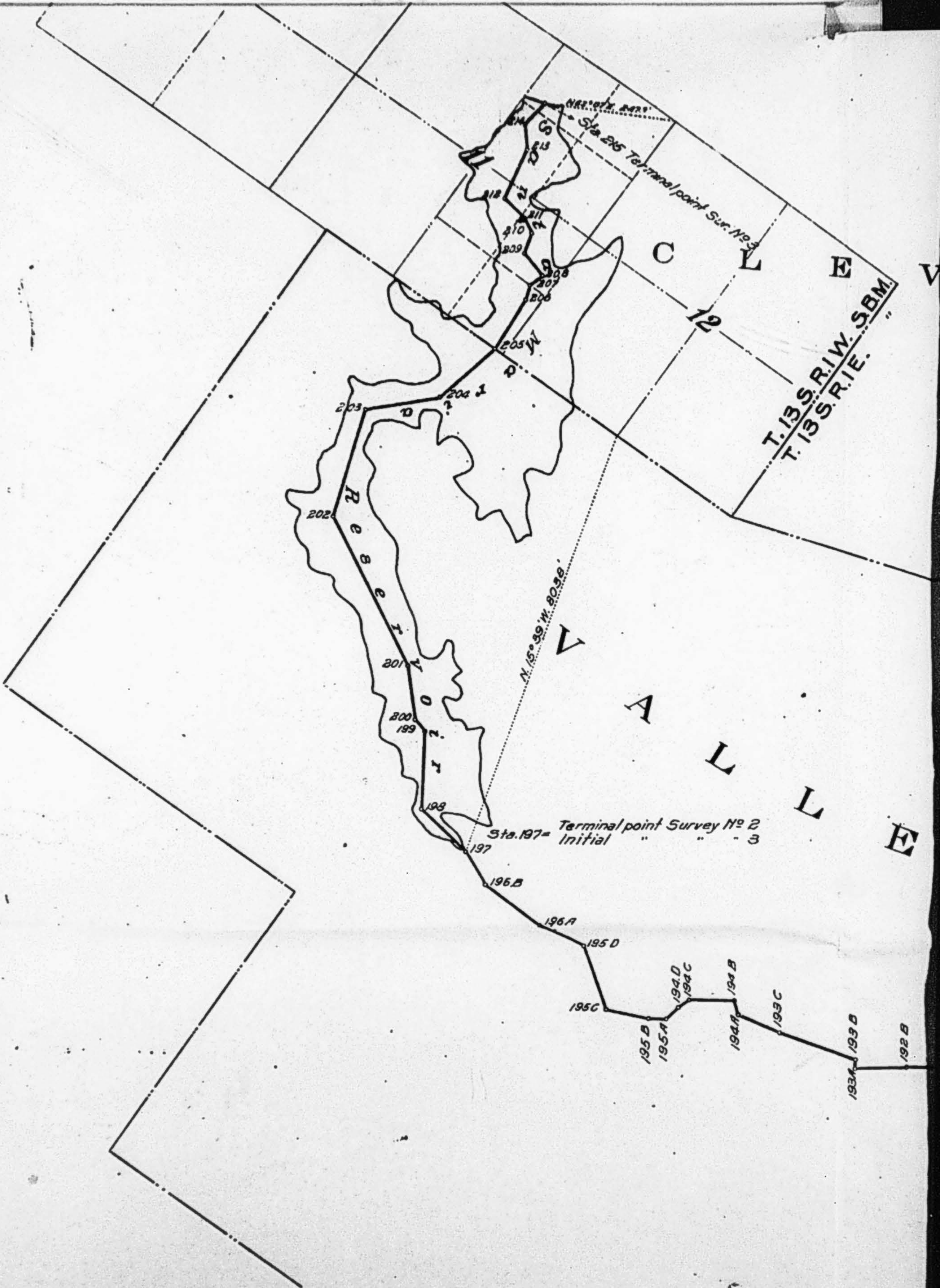
	N 79° 00' W	1100	
198	N 33° 30' W	1400	
199	N 73° 00' W	283	
200	N 44° 00' W	967	
201	N 61° 30' W	3100	
202	N 17° 50' W	2035	
203	N 40° 15' E	1310	
204	N 12° 30' E	1330	
205			

Station No. 205 intersects the north line of Rancho Valle de Pamo, whence the 1/4 corner on the south boundary of Section 12, T. 13 S., R. 1 W., S.B.M., bears East 2,943 feet.

	N 5° 30' W	1075	
206	N 14° 00' W	270	
207	N 13° 30' E	280	

<u>STATION</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>REMARKS</u>
208	N 78° 00' W	500	
209	N 19° 00' W	400	
210	N 57° 30' W	275	
211	N 82° 30' W	500	
212	N 10° 00' W	1050	
213	N 40° 30' W	475	
214	N 6° 48' E	521	
215			

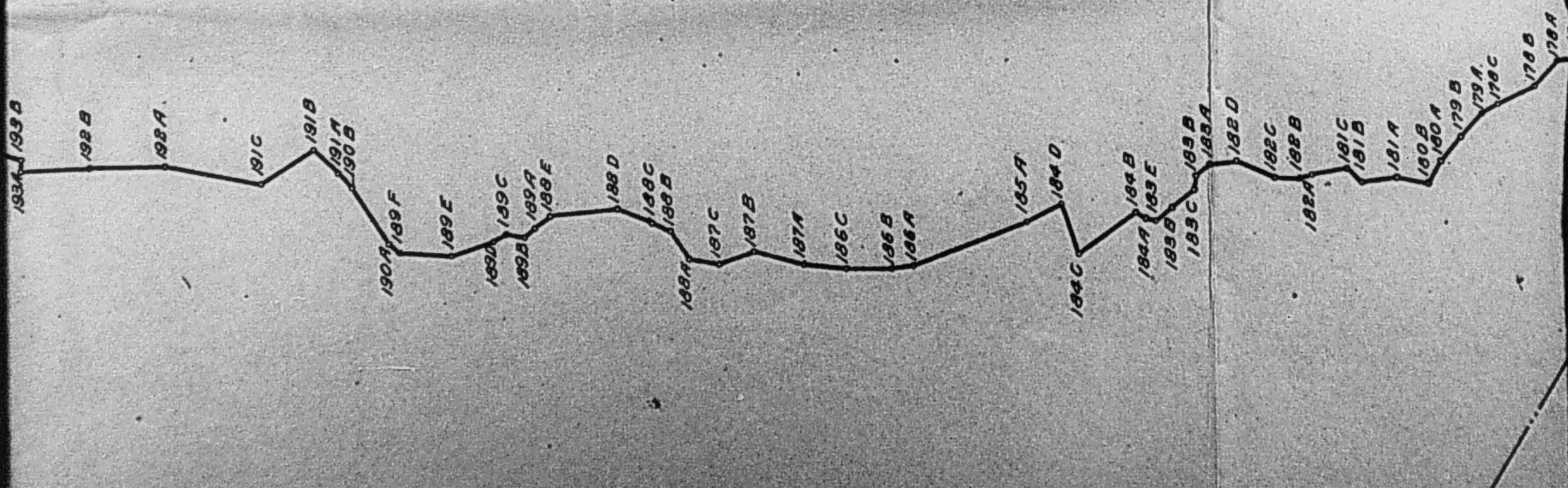
Station No. 215 - The terminal point of Survey No. 3, whence the northeast corner of Section 11, T. 13 S., R. 1 W., S.B.M., bears N. 62° 07' E., 2,473 feet.  
Survey completed February 18th, 1913.



V E L A N D

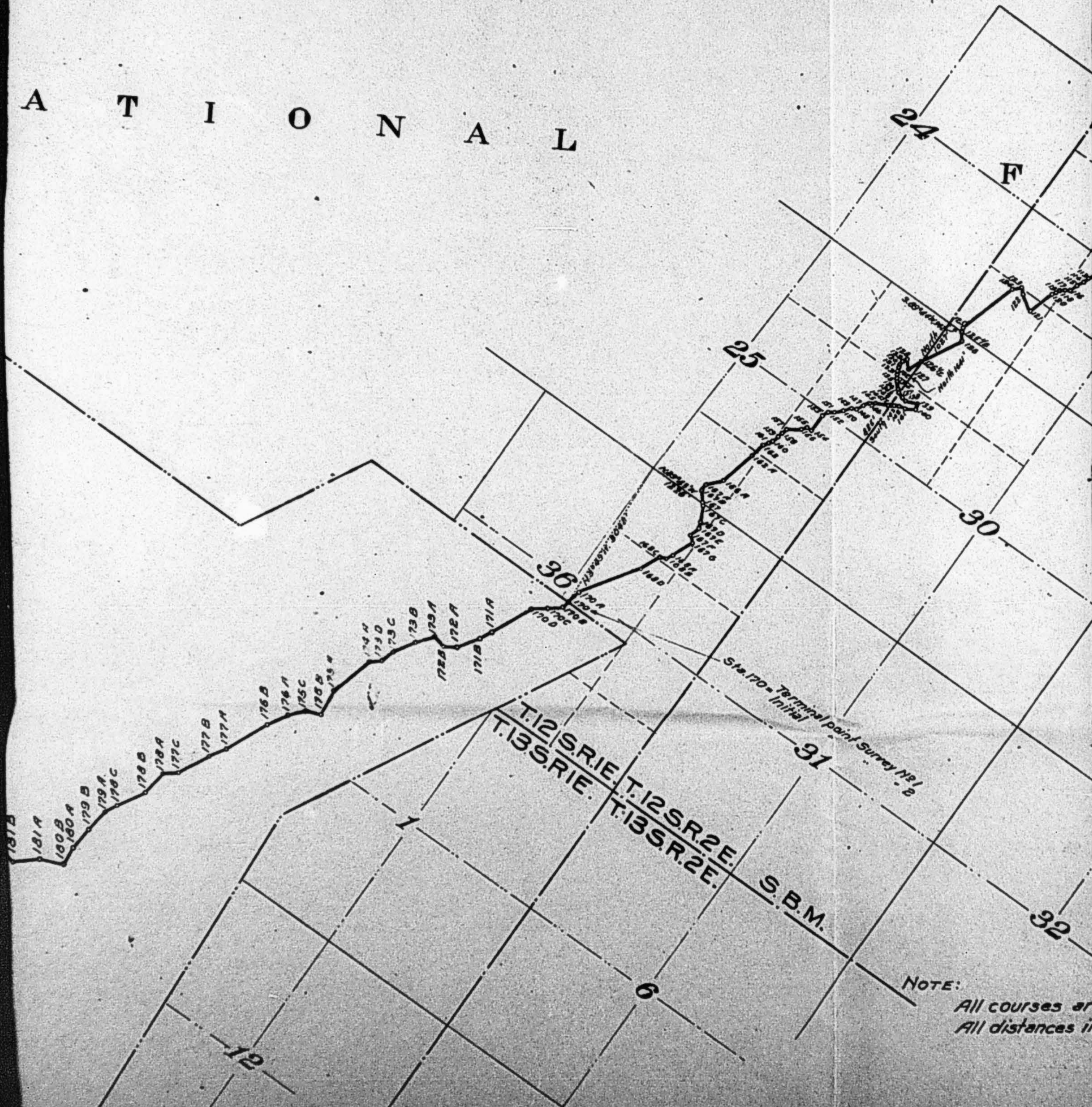
N A T

E D E P A M O

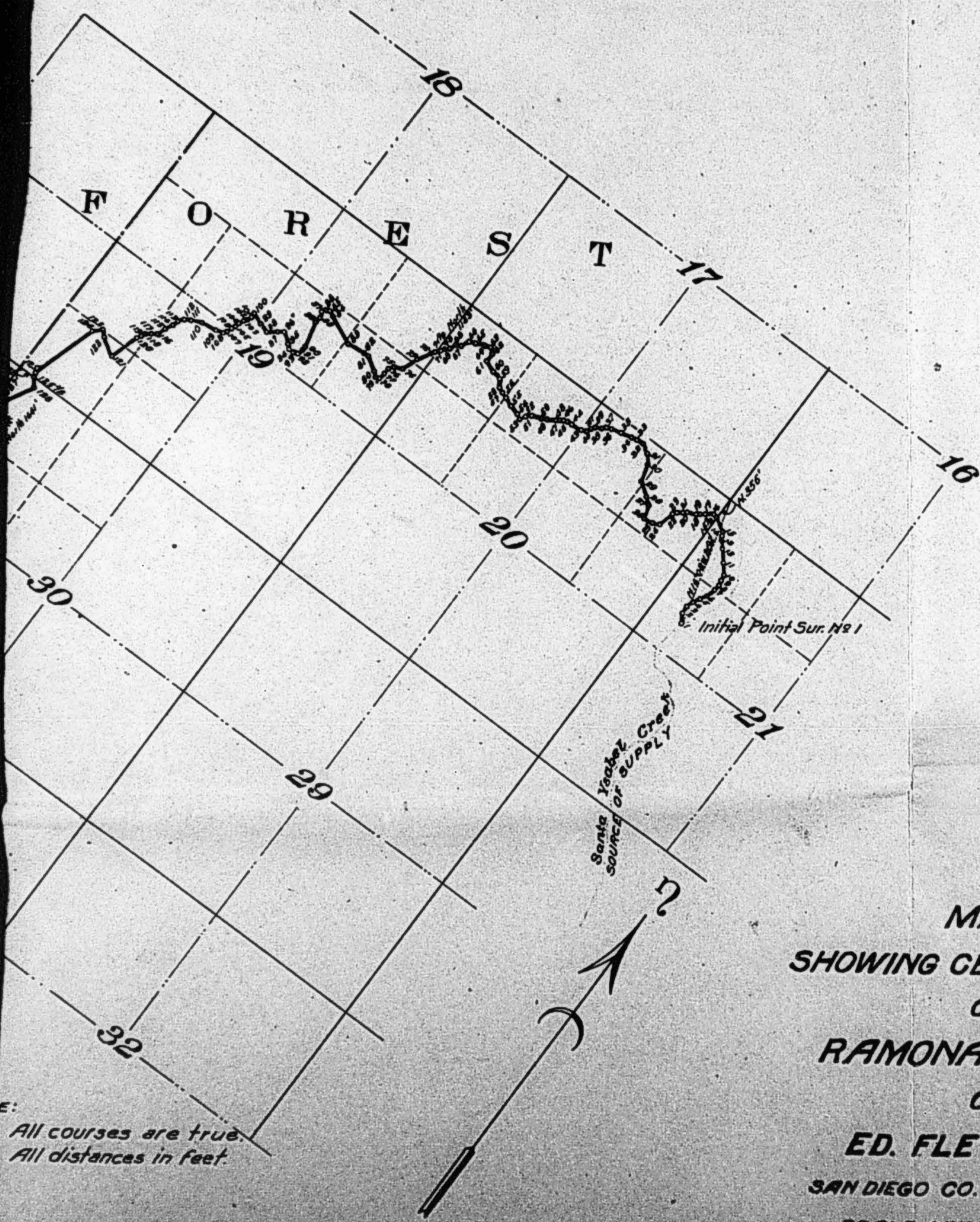




A T T I O N A L



NOTE:  
All courses are  
All distances in



**MAP**  
**SHOWING CENTER LINE**  
**OF**  
**RAMONA CANAL**  
**OF**  
**ED. FLETCHER**  
**SAN DIEGO CO. CALIFORNIA**  
**SCALE: 1 INCH = 2000 FT.**

E:  
 All courses are true.  
 All distances in feet.

STATE OF CALIFORNIA )  
COUNTY OF SAN DIEGO } SS

WILLIAM S. POST, BEING DULY SWORN SAYS HE IS THE CHIEF ENGINEER OF ED. FLETCHER: THAT THE SURVEY OF THE SAID ED. FLETCHER'S RAMONA CANAL DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN SECTION 21, TOWNSHIP 12 SOUTH, RANGE 2 EAST, S.B.M., WHICH IS MARKED STATION NO. 1 THE INITIAL POINT OF SURVEY NO. 1, WHENCE THE NORTHWEST CORNER OF SECTION 21, TOWNSHIP 12 SOUTH, RANGE 2 EAST, S.B.M., BEARS N. 16° 08' W., 2,192 FEET, THENCE ALONG THE COURSES AND DISTANCES SHOWN ON THIS MAP AND BY THE ACCOMPANYING FIELD NOTES TO STATION NO. 215, THE TERMINAL POINT OF SURVEY NO. 3, WHENCE THE NORTHEAST CORNER OF SECTION 11, TOWNSHIP 13 SOUTH, RANGE 1 WEST, S.B.M., BEARS N. 62° 07' E., 2,473 FEET, BEING A TOTAL LENGTH OF CANAL AND STREAM BED OF 17.92 MILES:

WAS MADE BY HIM AS CHIEF ENGINEER OF ED. FLETCHER AND UNDER HIS AUTHORITY COMMENCED ON THE 7th DAY OF FEBRUARY, 1913 AND ENDING ON THE 18th DAY OF FEBRUARY 1916; AND THAT THE SURVEY OF THE SAID RAMONA CANAL, ACCURATELY REPRESENTS A PROPER GRADE LINE FOR THE FLOW OF WATER AND THAT SUCH SURVEY IS ACCURATELY REPRESENTED UPON THIS MAP AND BY THE ACCOMPANYING FIELD NOTES; AND NO LAKE OR LAKE BED, STREAM OR STREAM BED, IS USED FOR THE SAID CANAL EXCEPT AS SHOWN ON THIS MAP.

*William S. Post*  
CHIEF ENGINEER.

SWORN AND SUBSCRIBED TO BEFORE ME THIS *6th* DAY OF *May* 1913.

*William S. Post*  
NOTARY PUBLIC IN AND FOR  
THE COUNTY OF SAN DIEGO,  
STATE OF CALIFORNIA.

I, ED. FLETCHER, DO HEREBY CERTIFY THAT WILLIAM S. POST, WHO SUBSCRIBED THE ACCOMPANYING AFFIDAVIT IS MY CHIEF ENGINEER: THAT THE SURVEY OF THE SAID RAMONA CANAL, AS ACCURATELY REPRESENTED ON THIS MAP AND BY THE ACCOMPANYING FIELD NOTES, WAS ADOPTED BY ME ON THE *6th* DAY OF *May* 1913, AS THE DEFINITE LOCATION OF THE SAID RAMONA CANAL DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN SECTION 21, TOWNSHIP 12 SOUTH, RANGE 2 EAST, S.B.M., WHICH IS MARKED STATION NO. 1. THE INITIAL POINT OF SURVEY NO. 1, WHENCE THE NORTHWEST CORNER OF SECTION 21, TOWNSHIP 12 SOUTH, RANGE 2 EAST, S.B.M., BEARS N. 16° 08' W., 2,192 FEET, THENCE ALONG THE COURSES AND DISTANCES SHOWN ON THIS MAP AND BY THE ACCOMPANYING FIELD NOTES TO STATION NO. 215, THE TERMINAL POINT OF SURVEY NO. 3, WHENCE THE NORTHEAST CORNER OF SECTION 11, TOWNSHIP 13 SOUTH, RANGE 1 WEST, S.B.M., BEARS N. 62° 07' E., 2,473 FEET, BEING A TOTAL LENGTH OF CANAL AND STREAM BED OF 17.92 MILES:

AND THAT NO LAKE OR LAKE BED, STREAM OR STREAM BED, IS USED FOR THE SAID CANAL EXCEPT AS SHOWN ON THIS MAP: AND THAT THE MAP HAS BEEN PREPARED TO BE FILED FOR THE APPROVAL OF THE SECRETARY OF THE INTERIOR, IN ORDER THAT I MAY OBTAIN THE BENEFITS OF THE ACT OF CONGRESS APPROVED MARCH 3, 1891, ENTITLED, "AN ACT TO REPEAL LIBER CULTURE LAWS, AND FOR OTHER PURPOSES," AND SECTION NO. 2 OF THE ACT APPROVED MAY 11, 1898; AND I FURTHER CERTIFY THAT THE RIGHT OF WAY HEREIN DESCRIBED IS DESIRED FOR THE MAIN PURPOSE OF IRRIGATION.

*Ed Fletcher*

RAMONA CANAL RIGHT OF WAY

From the papers of Ed Fletcher, the following letters were removed to the alphabetized correspondence files

CROUCH, Charles to Fletcher, 11/11/20

DUBOIS, Coert

DuBois to Fletcher, 6/2/14

Fletcher to DuBois, 6/29/14

Fletcher to HENSHAW, Wm. G., 6/13/13

HUBER, Walter L. to Lippincott (copy sent to Post), 2/19/15

DEPARTMENT OF THE INTERIOR

Galloway, B.T. (Acting Secretary) to Secretary of the Interior, 5/26/14

Parrott, F.K. (Asst. Commissioner, Gen. Land Office) to Register, L.A. 2/3/19

Groais, B.F. (Register) to Fletcher, 2/10/19

JORDAN, Frank C. (Secretary of State, CA)

Jordan to Fletcher, 5/10/13

Fletcher to Jordan, 5/20/13

Fletcher to REGISTER & RECEIVER (of US Land Off.), [2 letters]  
5/9/13, 5/29/13

**Ed Fletcher Papers**

**1870-1955**

**MSS.81**

**Box: 51 Folder: 13**

**Business Records - Water Companies - Volcan  
Land and Water Company - San Dieguito System  
- Ramona Canal - Application and right-of-way**



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