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CUYAMACA WATER COMPANY
May 21, 1914.

FILE COPY

W. S. POST.

PHYSICAL VALUATION OF CUYAMACA WATER CO.

June 1, 1912 to June 1, 1914.

{ Values previous to June 1, 1912 }
{ taken from R.R.Comm.appraisement }
{ of June 1, 1912 & corrected to }
{ date June 1, 1914. }

By Philip E. Harroun,
Consulting Hydraulic Engineer,
San Francisco, California.

BEFORE THE RAILROAD COMMISSION
OF THE STATE OF CALIFORNIA

In the Matter of the Application of
JAMES A. MURRAY and ED FLETCHER
for order authorizing them to sell
and of CUYAMACA WATER COMPANY for
order authorizing it to buy a certain
water system situated in San Diego
County, and of said company to issue
stocks and bonds in payment therefor.

Application No. 1130.

NOTICE OF HEARING

To James A. Murray
Monterey, California.

Cuyamaca Water Company,
San Diego, California.

Ed Fletcher,
San Diego, California.

T. B. Cosgrove, City Attorney,
San Diego, California.

A. H. Sweet, Attorney for applicants,
Union Building,
San Diego, California:

You and each of you are hereby notified that the Railroad Commission of the State of California has set a hearing in the above-entitled matter before Commissioner Eshleman, for Saturday, May 23, 1914, at 3 o'clock P.M., in the Federal Court Room at the Postoffice, in the city of San Diego, California, at which time and place you will be given an opportunity to be heard.

By order of the Railroad Commission.

Dated at San Francisco, California, this 15th day of May 1914.

Charles R. Detrick
Secretary Railroad Commission
of the State of California.

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5/27/14

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Report
to
James A. Murray and Ed Fletcher
on the
Value of the Physical Items
of their Property
Cuyamaca Water Company
by
Philip E. Harroun,
Consulting Hydraulic Engineer.
May 21, 1914
San Francisco, California.

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Messrs. James A. Murray
and
Ed Fletcher,
San Diego,
California.

Gentlemen:-

I transmit you herewith my report upon the value of the physical items entering into and making up the water works property owned by you and operated under the name of the Cuyamaca Water Company.

The full details of this valuation follow.
This value is as of date June 1, 1914.

In arriving at the value of the property, I

have used that value determined by the Railroad Commission of California in its decision No. 536 on Application No. 118, as a starting point. The value there determined by the Commission was based upon the value presented by the writer at the hearing of the case in 1912, with the exception of the value of the lands. Mr. Eshleman, who heard the case, raised the values as estimated by the writer, and his determination of land values has been used. The value found by the Commission was as of date of June 1, 1912, and this has been brought down to June 1, 1914 through the application of accrued depreciation and also through the deduction of structures abandoned since June 1, 1912. The final summary sheet shows that this portion of the property has a reproduction cost of \$946,518.00 and a present value of \$522,743.00.

Within the last two years considerable new construction and replacement has been made to the system. In arriving at the value of these items, your cost records, as kept by Mr. William S. Post, your chief engineer and your book accounts have been analyzed. From this data the resulting valuation is determined.

Analysis of the accounts shows that the segregation of the amounts against the various items has not been correctly made, and in many cases charges which properly accrue against the property do not appear upon your books. This is especially true with relation to such items as interest during construction, and other overhead accounts.

On the other hand, certain units have apparently been debited with amounts in excess of their proper charge, to the credit of other items. The analysis presented in the appendix has corrected these matters so far as is possible, and it is believed that the resulting summary presents a true statement of the condition of the system.

The constructional items placed since June 1, 1912 have a reproduction cost of \$247,596.00 and a present value of \$239,578.00.

It will be noted in the final summary that there have been certain items "donated" to the Cuyamaca Water Company. The word "donated" is not used in its ordinary acceptance, but is here used to indicate those items which have been acquired by the Cuyamaca Water Company for which no voucher appears upon your books. These items aggregate \$58,016.00 as to reproduction cost and \$46,701.00 as to present value.

In determining the overhead expense chargeable against the system, it has been found that under the head of Engineering the charge upon your books aggregated 4.4% upon that portion of the property against which such charges have been made. As only a small portion of these charges have been entered into the accounts, I have placed against the entire property the corresponding percentage.

Interest during construction has been taken as 8% over the construction period for half the cost thereof.

8% has been used for the reason that this rate has been paid for such moneys as you have borrowed from the bank.

The other items entering into overhead consist of salaries of officers and clerks, contingencies and legal expense, for which little or no charge has been made on your books. These items make up the 21% which has been used in the final summary.

The entire property has a reproduction cost of \$1,252,130.00 and a present value of \$809,022.00 as of date June 1, 1914.

Respectfully presented,

P. E. HARROUN.

San Francisco,
May 21, 1914.

This estimate is made in two parts.

1st. The Railroad Commission's Valuation of June 1st, 1912, has been corrected to date. Properties shown therein which have since been abandoned are stricken out and depreciation for the remaining structures has been modified to provide for two additional years of age. In some instances the probable life of structures has been lengthened due to improvements calculated to increase life or due to demonstration that the former estimated life was too short.

2nd. A valuation of properties acquired or constructed between June 1st, 1912 and June 1st, 1914.

CUYAMACA WATER COMPANY

CORRECTION OF VALUATION OF RAILROAD
COMMISSION, DATED JUNE 1, 1912, TO
EXCLUDE STRUCTURES ABANDONED OR RE-
PLACED, AND TO ALLOW FOR ACCRUED
DEPRECIATION TO JUNE 1, 1914.

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OUYAMACA WATER COMPANY
VALUATION AND DEPRECIATION DETAIL SHEET.

COST TO REPRODUCE

PHYSICAL DEPRECIATION

Item	Quantity	Unit	Cost	Total	Sub Total	Age Yrs	Prob. Life	Dep. %	Sub Total		Total
									Dep.	Sub Total	
PIPE DISTRIBUTION SYSTEM---CONT'D. (Exclusive of Specials & Valves)											
									\$3652.		
Brot. Fwd.											
									\$1975.		
Screw Casing-Cont'd.											
11. 1 inch (Second hand)	339	lin. ft.	1.02	346.		4	25	16	55.		
12. 1 inch (Second hand)	927		1.16	1075.		4	25	16	172.		
Standard Screw											
14. 1inch	460		0.14	65.		3	20	15	10.		
2 " (2nd hd)	2000		0.16	320.		3	20	15	48.		
2 "	2500		0.19	475.		6	20	20	143.		
2 "	1500		0.19	285.		5	6	53	238.		
2 "	1682		0.19	320.		26	20	86	276.		
Wood Stave											
8 inch	400		0.51	204.		17	20	85	175.		
8 "	7200		0.51	3670.		13	16	81	2982.		
24 "	6345		1.55	9850.		18	25	72	7092.		
Grand Total											
									\$10247.		
									\$16816.		

CUYAMACA WATER COMPANY
PHYSICAL DEPRECIATION & PRESENT VALUE IN DETAIL

COST TO REPRODUCE			PRESENT VALUE		
Sub Total	Age Prob.	Total Yrs.	Annual Deprec.	Total Deprec.	Without overhead charges With overhead charges
Item					

Pipe Distribution System
 (Including Specials & Valves)

Riveted Steel	4" diameter	\$1476.	14	17	\$87.
		677.	6	14	48.
		492.	6	14	35.
		2618.	6	14	187.
		1450.	\$6713.	10	16
					91.
Screw Casing		1593.	14	16	87.
		878.	19	24	37.
		130.	4	20	7.
		174.	4	20	9.
		305.	4	25	12.
		356.	4	25	14.
		1100.	<u>14336.</u>	4	<u>44.</u>
					<u>176.</u>
					<u>924.</u>
					<u>1138.</u>
					<u>36225.</u>
					<u>\$6055.</u>
					<u>\$ 658.</u>
					<u>\$ 11049.</u>
					<u>\$5994.</u>
					<u>(2)</u>

CUYAMACA WATER COMPANY
PHYSICAL DEPRECIATION & PRESENT VALUE IN DETAIL.

COST TO REPRODUCE		PHYSICAL DEPRECIATION		PRESENT VALUE	
		WITHOUT OVERHEAD CHARGES		With overhead charges	
Item	Sub Total	Total	Age yrs.	Prob. Deprec.	Total Deprec.
Pipe Distribution System --- Cont'd. (Including specials & valves)					
Brot. Ford.	\$11049.			\$658.	\$6994.
Standard Screw 1/4 inch	X 67.				
2	328.	3	20	3.	10.
2	487.	6	20	16.	49.
2	292.	5	6	49.	243.
2	328.	1502.	26	30	12.
Wood Stave 8 inch	210.	17	20	11.	179.
8	3770.	15	16	236.	3064.
24	10000.	13980.	18	25	400.
					<u>\$11551.</u>
					<u>\$19362.</u>
					<u>\$1409.</u> \$ 17169.

OUTAMACA WATER COMPANY
PHYSICAL DEP RECOLATION AND PRESENT VALUE

COST TO REPRODUCE AND PHYSICAL DEPRECIATION.

Item	Cost to reproduce	Age Yrs.	Life Yrs.	Total Deprec.	PRESENT VALUE	
					Without overhead charges	With overhead charges
Real Estate & Rights of way	\$148,342.			none	\$148,342.	+\$166,143.
<u>Buildings & Improvements</u>						
Quayance Reservoir	4,096.	26	36	113.	2,958.	1,138.
La Mesa Reservoir	763.	20	36	21.	424.	418.
Frame Dwelling and of flume	865.	12	36	25.	297.	568.
" " "	250.	17	30	8.	142.	108.
Store Supply	" "	" "	" "	24.	528.	192.
Fence	" "	" "	" "	2.	47.	18.
General	100.	4	30	3.	13.	87.
Frame Dwelling, etc., Chocolate	550.	26	30	18.	477.	73.
Fence	"	65.	26	36	2.	47.
Log Coches Trestle	356.	12	15	24.	285.	71.
Fwd.				240.	5,218.	150,954.
						\$169,361.

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CUYAMACA WATER COMPANY
PHYSICAL DEPRECIATION AND PRESENT VALUE

COST TO REPRODUCE AND PHYSICAL DEPRECIATION.

Item	Cost to Reproduce	Age Yrs.	Prod. Life Yrs.	Annual Deprec.	PRESENT VALUE	
					Without overhead and charges	
Brot Fwd	\$156,172.			240.	6,218.	169,361.
Tas Coches	430.	12	15	29.	344.	86.
Section No 5	208.	2	36	6.	12.	196.
Diverting Dam adobe house	1,848.	26	48	38.	1,001.	847.
" barn, etc.	181.	26	20	6.	156.	25.
stand Pipe	109.	14	30	4.	51.	58.
Murray Hill	17.	3	30	1.	2.	15.
South Fork	77.	3	5	15.	46.	51.
CUYAMACA DAM	30,857.	27	100	309.	8,881.	22,526.
DIVERTING DAM	<u>27,647.</u>	27	100	<u>276.</u>	<u>7,465.</u>	<u>20,182.</u>
Fwd.	217,546.			924.	22,626.	194,920.
						223,526.

PHYSICAL DEPRECIATION AND PRESENT VALUE

COST TO REPRODUCE AND PHYSICAL DEPRECIATION.

Item	Cost to Reproduce	Age. Yrs	Life	Prob.	PRESENT VALUE	
					Without overhead charges	With overhead charges
Brot Pond	\$217,546.				\$22,626.	\$194,920.
Flume					\$924.	\$223,526.
Wood structure	345,972.	26	34	10,176.	264,567.	81,405.
Clearing	475.	26	100	5.	124.	351.
Benohling	59,445.	26	100	594.	15,456.	43,989.
Tunnel's	45,828.	26	100	458.	11,914.	33,909.
Siphons	<u>10,503.</u>	4	20	<u>625.</u>	<u>2,101.</u>	<u>8,402.</u>
Total					11,758.	168,056.
Inoceliptus Dam	8,863.	22	100	89.	1,950.	6,913.
La Mesa Dam	18,185.	19	100	182.	2,505.	10,680.
La Mina Ditch						
La Mesa Ditch	2,650.	20	100	27.	580.	2,120.
Siphon	<u>8,110.</u>	20	26	<u>124.</u>	<u>2,488.</u>	<u>622.</u>
Total	5,760.				151.	3,018.
Murray Hill Dam	<u>40,239.</u>	5	100	<u>402.</u>	<u>1,207.</u>	<u>39,032.</u>
Pond.	\$747,811.					
	325,468.					
	13,456.					
	325,468.					
	508,708.					

OUYAMACA WATER COMPANY
PHYSICAL DEPRECIATION AND PRESENT VALUE

COST TO REPRODUCE AND PHYSICAL DEPRECIATION.

Item	Cost to Reproduce	Age Yrs	Life Yrs	Prod. Annual Deprec.	Total Deprec.	PRESENT VALUE	
						Without overhead charges	With overhead charges
Brought Fwd.	\$ 747,811.				13,456.	325,468.	422,843.
PIPE LINES <u>as per details on separate sheet</u>				26,531.	1,409.	17,169.	9,362.
Meters				684.		11,531.	556.
Materials				3,481.		3,389.	
Tools, etc				3,985.		3,322.	
Telephone				807.	19 34 24.	452.	355.
						14,889.	432,060.
							\$783,299.
							522,743.

+ No contractor's profit; only 12% overhead charges.

CUYAMACA WATER COMPANY

Item	Basic Reproduction	With 10% Contractor's profit & 12% Overhead charge.		
		Reprod. Cost	Animal Deprec.	Total Deprec.

SUMMARY OF REPRODUCTION COST, DEPRECIATION AND PRESENT VALUE.

Real Estate	Rights of Way	none	+166,143.	none	none	+166,143.
Buildings & Improvements	10,700.	6,830.	13,182.	418.	8,415.	4,767.
Cuyamaca Dam	30,857.	8,331.	38,016.	381.	10,264.	27,752.
Diverting Dam	27,647.	7,465.	34,061.	340.	9,197.	24,864.
Flume	462,218.	294,162.	569,453.	14,486.	362,410.	207,043.
Eucalyptus Dam	8,863.	1,950.	10,919.	110.	2,403.	8,516.
La Mesa Dam	13,185.	2,605.	16,244.	163.	3,086.	13,158.
La Mesa Ditch	5,760.	3,018	7,096.	186.	3,718.	3,878.
Murray Hill Dam	40,239.	1,207.	49,574.	495.	1,487.	48,087.
Pipe Lines	26,531.	17,169.	32,686.	1,733.	21,155.	11,551.
Meters			684.	14.	328.	356.
Materials on hand			3,481.		92.	3,389.
Tools, etc		807.	452.	994.	30.	557.
Telephone						487.
						522,743.
						423,775.
						946,518.
						343,089.
						423,356.
						18,356.
						+12% overhead charges are added; no contractor's profits.

CUYAMACA WATER COMPANY

Item	Quantity	Unit	Cost	Sub-Total	Total
<u>REAL ESTATE AND RIGHTS OF WAY</u>					
Rights of Way	229.4	Acres	\$25.	\$5735.	
Cuyamaca Lands	1675	"	76.75	128571.	
La Mesa Reservoir	96.7	"	100.	9670.	
Eucalyptus Reservoir	4.36	"	100.	436.	
Murray Hill Reservoir	26.2	"	150.	<u>3930.</u>	
					\$148,342.

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CUYAMACA WATER COMPANY

VALUATION OF PROPERTY CONSTRUCTED

OR ACQUIRED

BETWEEN

JUNE 1st, 1912.

and

JUNE 1st, 1914.

CUYAMACA WATER COMPANY

REPRODUCTION COST

Item	Quantity	Unit	Unit Cost	Sub-total	Total
<u>LANDS & RIGHTS OF WAY PURCHASED BY CUYAMACA WATER CO.</u>					
Site for Chocolate Pumping Plant	160	acres	39.17	\$6268.00	\$6268.00

LANDS & RIGHTS OF WAY DONATED TO CUYAMACA WATER CO.

Site for Webster Reservoir	0.14	acres	1428.57	200.00
Site for Miles Reservoir No. 1	3	"	333.33	1000.00
Site for Miles Reservoir No. 2	½	"	400.00	200.00
Right of Way for 4" Pipe Line from Webster Reservoir to Chase and San Diego Ave.	½	"	320.00	80.00
Right of Way for 4" Pipe Line from Miles Reservoir No. 1 to Miles Reservoir No. 2	½	"	320.00	<u>80.00</u>
				\$1560.00

CUYAMACA WATER COMPANY

REPRODUCTION COST

Item	Quantity	Unit	Unit Cost	Sub-total	Total
<u>SLUICE GATES FOR DIVERTING DAM</u>					
24" x 24" Steel Gate	1	each	197.50	\$198.00	
30" x 30" " "	1	"	269.50	269.00	
36" x 24" " "	2	"	221.00	442.00	
Cartage & Freight	1	lot	12.42	<u>12.00</u>	\$ 921.00
<u>SLUICE FOR BY-PASSING WATER</u>					
Lumber	27	MBM	35.00	945.00	945.00
<u>TEMPORARY DIVERTING DAM</u>					
Lumber	6	MBM	35.00	210.00	
Wet Excavation	140	cu.yds.	1.50	210.00	
Back filling and Placing Sand Bags	1	lot	75.00	<u>75.00</u>	495.00
<u>INSTALLING GATES</u>					
Wet Excavation	60	cu.yds.	1.50	90.00	
Labor and material	1	lot	150.00	150.00	<u>240.00</u>
					\$2601.00

CUYAMACA WATER COMPANY

REPRODUCTION COST

Item	Quantity	Unit	Unit Cost	Sub-total	Total
<u>MEASURING STATIONS</u>					
<u>BOULDER CREEK WEIR</u>					
Concrete	1	lot	120.00	\$120.00	
Lumber	1	"	15.00	15.00	
Blasting, excavation & erection	1	"	307.00	<u>307.00</u>	\$ 442.00
<u>MEASURING STATION BELOW DIVERTING DAM</u>					
Concrete in Anchors and piers	1	lot	65.00	65.00	
Cables and Timber frames	1	"	35.00	35.00	
Labor erecting	1	"	103.00	<u>103.00</u>	203.00
<u>OLD MISSION DAM STATION</u>					
Cables	1	lot	26.35	26.00	
Automatic Register Bristol Gage	1	each	57.00	57.00	
Erecting cables and gage	1	lot	100.00	<u>100.00</u>	<u>183.00</u>
					\$ 828.00

OUYAMACA WATER COMPANY

REPRODUCTION COST

Item	Quantity	Unit	Unit Cost	Sub-total	Total
<u>LA MESA PUMPING PLANT</u>					
150 H.P. G.E. Motor, 60 cycle, 178 amperes, 440 volts, speed 1200 R.P.M. including com- pensator, oil switch, etc. Weight 3800 lbs. F.O.B. Los Angeles	1	each	950.00	\$950.00	
7 inch 2 stage Byron- Jackson Pump, Cap'y 1200 G.P.M. at 170 to 220 foot head. Weight 3800 lbs. F.O.B. West Berkeley	1	"	596.00	596.00	
Excavation for Foundation	1	"	5.00	5.00	
Concrete Foundation	7	cu.yds.	11.13	78.00	
Tubes, Bolts, etc.	1	lot	15.00	15.00	
Freight on Machinery	1	"	35.00	35.00	
Haul to plant	1	"	25.00	25.00	
Belt 14" x 55' double leather	1	each	184.00	184.00	
Suction and Discharge lines including valves, specials and fittings	1	lot	101.00	101.00	
Installing, testing and adjusting motor and pump	1	"	75.00	75.00	
Pump House	3000	cu.ft.	0.03	90.00	
General Expense				<u>163.00</u>	
					\$2317.00

CUYAMACA WATER COMPANY

REPRODUCTION COST.

Item	Quantity	Unit	Unit Cost	Sub-total	Total
<u>CHOCOLATE CANYON PUMPING PLANT</u>					
50 H.P. Fairbanks-Morse Gas Engine, Weight 15200 lbs. F.O.B. Los Angeles	1	each	1650.00	\$1650.00	
4 inch 3 stage Byron-Jackson Pump, Weight 2150 lbs. F.O.B. West Berkeley	1	"	416.00	416.00	
Belt and Accessories	1	lot	146.00	146.00	
Freight on Engine & Pump	1	"	88.00	88.00	
Haul, 8.7 tons, 12 miles, 45¢ ton mile plus \$15. for handling	1	"	62.00	62.00	
Concrete Pump Pit, Engine <u>Foundation & Belt Way-</u> <u>Excavation, mostly wet,</u> and heavily timbered	150	cu.yds.	1.50	225.00	
Concrete	30	"	13.00	910.00	
Tubes and Bolts	1	lot	15.00	15.00	
Reinforcement	50	owt.	4.50	225.00	
Lumber	2.6	MBM	50.00	130.00	
Roofing	1	lot	30.00	30.00	
Discharge Pipe-8" O.D. casing	900	lin.ft.	1.36	1224.00	
Suction Pipe-6" Std. Screw	375	"	1.24	465.00	
4" " " 300	300	"	0.87	261.00	
4" Q.D. Casing	150	"	0.74	111.00	
Valves, Specials & Fittings	1	lot	236.00	<u>236.00</u>	

Carried forward.....\$6194.00

CUYAMACA WATER COMPANY

REPRODUCTION COST.

Item	Quantity	Unit	Unit Cost	Sub-total	Total
<u>CHOCOLATE CANYON PUMPING PLANT (Continued)</u>					
Brought forward					\$6194.00
Installing, adjusting & testing engine & pump	1	lot	150.00	\$150.00	
<u>WELL NO.1 - 10" diam.</u> Casing stuck and abandoned	17	lin.ft.	8.94	152.00	
<u>WELL NO.2 - 10" diam.</u> drilled, cased and perforated	46	"	5.58	257.00	
<u>WELL NO.3 - 24" diam.</u> drilled, cased and perforated	47	"	20.65	973.00	
<u>WELL NO.4 - 24" diam.</u> drilled, cased and perforated	42	"	22.40	<u>940.00</u>	2322.00
<u>SHAFT "A"</u>					
42 inch Concrete Pipe	20	lin.ft.	4.30	86.00	
Haul & Handling Pipe	1	lot	78.00	78.00	
Excavation, wet	50	cu.yds.	5.00	250.00	
Timbering	1	MBM	35.00	35.00	
Pumping out shaft	1	job	100.00	<u>100.00</u>	549.00
<u>SHAFT "B"</u>					
38" Steel Shaft 12 Lin.ft.	650	lbs.	0.06	39.00	
Excavation, wet	50	cu.yds.	5.00	150.00	
Timbering	1	MBM	35.00	35.00	
Pumping out shaft	1	job	100.00	<u>100.00</u>	<u>324.00</u>
Carried forward.....\$9389.00					

OXYAMACA WATER COMPANY

REPRODUCTION COST.

Item	Quantity	Unit	Unit Cost	Sub-total	Total
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CHOCOLATE CANYON PUMPING PLANT (Continued)

Brought forward					\$9389.00
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TRENCH

Excavation	750	cu.yds.	1.20	\$900.00	900.00
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TIMBER GALLERY

Excavation	100	cu.yds.	1.20	120.00	
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Timbering	4	MBM	35.00	<u>140.00</u>	240.00
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General Expense +				788.00	788.00
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Pump House, corrugated iron	3840	cu.ft.	0.06 $\frac{1}{2}$	250.00	<u>250.00</u>
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					\$11717.00
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CUYAMACA WATER COMPANY

REPRODUCTION COST.

Items	Quantity	Unit	Unit Cost	Sub-total	Total
<u>PUMPING PLANT NO. 3 - NEAR SCHOOL HOUSE ON INDIAN RESERVATION.</u>					
15 H.P. Fairbanks-Morse Gas Engine, Weight 4750# F.O.B. Los Angeles	1	each	650.00	\$650.00	
Dean Vertical Triplex Pump, 8"x8", Weight 7600# F.O.B. Los Angeles	1	"	646.00	646.00	
Freight on Engine & Pump	1	lot	62.00	62.00	
Haul- 6.2 tons, 15 miles @ 45¢ ton mile plus \$10. for handling	1	"	52.00	52.00	
Installing, adjusting & testing engine & pump	1	"	40.00	40.00	
Excavation for Foundations	1	"	5.00	5.00	
Concrete Foundations	10	cu.yds.	11.00	110.00	
Preparation of Site, leveling, clearing, etc.	1	lot	113.00	113.00	
Belts, Pulleys, check valves, specials & fittings- estimated	1	"	150.00	150.00	
Discharge Pipe - 6" O.D. Casing	340	lin.ft.	1.02	347.00	
Suction Pipe - 4" O.D. Casing	275	"	0.74	204.00	
" " 3" Std. Screw	227	"	0.72	163.00	
5 Wells- 10" Diameter cased and drilled	225	"	4.07	916.00	
Pump House	1900	cu.ft.	0.03	57.00	
General Expense				<u>238.00</u>	<u>\$3753.00</u>

COYAMACA WATER COMPANY

REPRODUCTION COST

Item	Quantity	Unit	UnitCost	Sub-total	Total
<u>PUMPING PLANT NO. 4 - BELOW DIVERTING DAM</u>					
7 H.P. Gas Engine, Weight 2550 $\frac{1}{2}$ F.O.B. Los Angeles	1	each	\$410.00	\$410.00	
3 $\frac{1}{2}$ inch Byron-Jackson single stage Pump - Weight 375 $\frac{1}{2}$ F.O.B. West Berkeley	1	"	68.00	68.00	
Freight on Engine & Pump	1	lot	16.00	16.00	
Haul - 1.5 tons, 18 miles, 45¢ ton mile, plus \$5. for handling	1	"	17.00	17.00	
Excavation for foundation	1	"	5.00	5.00	
Concrete Foundation	7	cu.yds.	11.00	77.00	
Tubes & Bolts	1	lot	10.00	10.00	
Shaft 6'x6'x20' deep - heavily timbered - in wet excavation	75	cu.yds.	3.00	225.00	
Belt, Pulleys, Suction and Discharge Pipe, specials, valves & fittings	1	lot	90.00	90.00	
Installing, adjusting and testing pump & engine	1	"	25.00	25.00	
General Expense				<u>62.00</u>	<u>\$1005.00</u>

OYAMACA WATER COMPANY

REPRODUCTION COST.

Item	Quantity	Unit	Unit Cost	Sub-total	Total
<u>SAND CREEK SIPHON</u>					
Excavation & Backfill	2450	cu.yds.	\$ 0.75	\$1838.00	
42" Reinforced Concrete Pipe	1227	lin.ft.	4.29	5267.00	
<u>INLET & OUTLET STRUCTURES</u>					
Concrete	20	cu.yds.	13.50	270.00	
Reinforcement	2.5	owt.	4.50	11.00	
Timber Screens	2	each	5.00	10.00	
Excavation & Backfill	50	cu.yds.	1.00	<u>50.00</u>	<u>\$7446.00</u>
<u>CONCRETE CONDUIT "A"</u>					
Bottom Width 3', depth 4', side slopes $\frac{1}{2}$ to 1, probable thickness 5", length 1100' -					
Excavation	1600	cu.yds.	1.50	\$2400.00	
Concrete	205	"	13.50	2768.00	
Reinforcement wire netting	154	squares	1.00	<u>154.00</u>	<u>\$5322.00</u>
<u>CONCRETE CONDUIT "B"</u>					
Concrete Flume - width 3'-8", depth 3'-2", side walls 3" thick, bottom 3" to 6" thick-Clinton Mesh Reinforcement, length 250 feet -					
Excavation	25	cu.yds.	1.50	43.00	
Concrete	35	"	13.50	473.00	
Reinforcement	60	owt.	5.00	300.00	
Brace Bars	1.7	"	4.00	<u>7.00</u>	<u>\$823.00</u>

CUYAMACA WATER COMPANY

REPRODUCTION COST.

Items	Quantity	Unit	Unit Cost	Sub-total	Total
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CONCRETE CONDUIT "C"

Semi-Circular Concrete

Lined Channel- diam. 6'
 Depth 3'-6", Reinforce-
 ment wire mesh. "Cement
 Gun" process. Length
 212 feet -

Excavation	145	cu.yds.	1.50	\$218.00
Cement Lining & Re- inforcement- Contract work	212	lin.ft.	2.20	466.00
				\$684.00

OUYAMACA WATER COMPANY

REPRODUCTION COST.

Item	Quantity	Unit	Unit Cost	Sub-total	Total
<u>STEEL FLUMES</u>					
Excavation, actual cost	1	lot	\$1467.00	\$1467.00	
Concrete Piers	105	cu.yds.	13.50	1418.00	
Lumber, second hand	91	MBM	35.00	3225.00	
Steel Flume - 5'-8 3/4" diam.F.O.B.Lakeside	2530	lin.ft.	2.00	5060.00	
Steel Flume - 3'-2 1/2" diam.F.O.B. Lakeside	2500	"	.95	2375.00	
Hauling and distributing flume	1	lot	356.00	356.00	
Erection of steel flume 5'-8 3/4" diam.	2530	lin.ft.	.50	1265.00	
Erection of Steel flume 3'-2 1/2" diam.	2500	"	.30	750.00	
Steel Angles & Stiffeners for flume posts	1	lot	487.00	487.00	
Road Construction	1	"	230.00	<u>230.00</u>	
					\$16,663.00

OYAMACA WATER COMPANY

REPRODUCTION COST.

Item	Quantity	Unit	Unit Cost	Sub-total	Total
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LINING WOOD FLUMESPREPARING FLUME FOR LINING

Mopping with asphalt	13355	square	\$.027	\$ 361.00
Nails & Felt	13355	"	.027	361.00
Freight on material	13355	"	.108	1442.00
Labor mopping, applying felt, etc.	13355	"	.416	5556.00
Miscellaneous	13355	"	<u>.028</u>	<u>374.00</u>
			.606	\$8084.00

LINING FLUME

Flume 6' wide, 1' to 4'
high - Length 163,862'
2-ply Roofing Material
in place

	12132	square	2.52	50656.00
Felt, asphalt and 1-ply Roofing material in place	<u>1223</u>	"	<u>3.95</u>	<u>4831.00</u>
	13179		2.66	\$43571.00

RAISING SIDE BOARDS ON FLUMES

Sides of flumes were
raised 12" to 14" by
placing additional
boards -

Lumber, Second-hand	83.3	MBM	\$35.00	\$2916.00
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CUYAMACA WATER COMPANYREPRODUCTION COST.

Item	Quantity	Unit	Unit Cost	Sub-total	Total
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STRENGTHENING FLUME STRUCTURES

Extra Trestle Bents, Posts & Sills - Lumber- Second Hand	69	MEM	35.00	\$2415.00	\$2415.00
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MEASURING BOXES

Measuring Boxes	49	each	18.50	907.00	907.00
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GUYAMACA WATER COMPANY

REPRODUCTION COST.

Item	Quantity	Unit	Unit Cost	Sub-total	Total
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TUNNELSLAKERSHIM TUNNEL LINING

400 lin. ft. of roof,
lined with concrete slabs
and back filled with
lean concrete -

Forms for making slabs 1 set \$ 84.00 \$84.00

Cement 45 bbls. 2.50 113.00

Sand 13 cu.yds. 1.00 13.00

Broken Stone 26 " 4.00 104.00

Labor making slabs 1 lot 129.00 129.00

Hauling Slabs and back-
fill material to tunnel 1 " 165.00 165.00

Labor placing slabs in
tunnel & backfilling 1 " 516.00 516.00

\$1124.00

EXCAVATION AT PORTALS OF TUNNEL #1½

Excavation as per payrolls	1	job	\$1080.00	\$1080.00	\$1080.00
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CUYAMACA WATER COMPANY

REPRODUCTION COST.

Item	Quantity	Unit	Unit Cost	Sub-total	Total
<u>TELEPHONE LINE</u>					
<u>42 Miles Telephone Line</u>					
<u>2 Wires -</u>					
1890 poles @ 14 F.B.M. each	2.65	MBM	\$30.00	\$795.00	
Digging holes, placing poles, backfilling & tamping	1890	each	0.40	752.00	
Brackets	3.78	M	17.75	67.00	
Insulators	3.78	M	22.00	83.00	
No. 14 Wire	84	owt.	5.20	437.00	
Freight to Lakeside	1	lot	54.00	54.00	
Haul and distribution	1	"	66.00	66.00	
Stringing wire	42	miles	7.50	<u>630.00</u>	
					\$2888.00

CUYAMACA WATER COMPANY

REPRODUCTION COST.

Items	Quantity	Unit	Unit Cost	Sub-total	Total
<u>PIPE LINES CONSTRUCTED BY CUYAMACA WATER CO.</u>					
1" Standard Screw Pipe	1262	lin.ft.	0.1944	\$ 245.00	
2" " " "	11606	"	0.2649	3074.00	
3" " " "	5070	"	0.3840	1947.00	
Valves, Specials & Fittings 5%				<u>263.00</u>	<u>\$5529.00</u>
4" Cast Iron Pipe	24	lin.ft.	0.7046	17.00	
Valves, Specials & Fittings, 5%				<u>1.00</u>	<u>18.00</u>
10" and 12" Cast Iron Pipe, mostly valves, fittings and specials	51	lin.ft.	9.00	<u>459.00</u>	<u>459.00</u>
14" Riveted Steel Pipe 14 gage Spirally wrapped with Malthodd Roofing material, including valves, specials and fittings	15920	lin.ft.	1.217	19378.00	
16" - ditto -	24760	"	1.555	<u>38511.00</u>	<u>57889.00</u>
					<u>\$63895.00</u>

CUYAMACA WATER COMPANY

REPRODUCTION COST.

Items	Quantity	Unit	Unit Cost	Sub-total	Total
<u>PIPE LINES DONATED TO CUYAMACA WATER CO.</u>					
3/4" Standard Screw Pipe	10809	lin.ft.	0.1836	\$1984.00	
1" " " "	8636	"	0.1944	1680.00	
1½" " " "	1935	"	0.2334	452.00	
2" " " "	69531	"	0.2649	18418.00	
3" " " "	4972	"	0.3840	1909.00	
4" " " "	4516	"	0.5197	2347.00	
3" O.D. Casing Pipe	300	"	0.3498	105.00	
Valves, Specials and fittings, 5%				<u>1345.00</u>	
					\$28240.00
4" Cast Iron Pipe	1657	lin.ft.	0.7046	1168.00	
6" " " "	7422	"	0.9649	7181.00	
Valves, Specials and fittings, 5%				<u>416.00</u>	
					<u>8745.00</u>
					\$36985.00

CUYAMACA WATER COMPANY

REPRODUCTION COST.

Items	Quantity	Unit	Unit Cost	Sub-total	Total
<u>METERS AND SERVICES DONATED TO CUYAMACA WATER CO.</u>					
3/4" Connections and 5/8" Meter	242	each	\$ 16.00	\$3872.00	\$3872.00

METERS AND SERVICES INSTALLED BY CUYAMACA WATER CO.

2"	Connection & 1/2" Meter	7	each	\$ 15.00	\$ 105.00
2 1/2"	" & 5/8" "	* 405*	"	16.00	6480.00
3 1/2"	" & 3/2" "	18	"	26.00	360.00
1"	" & 1" "	97	"	26.00	2522.00
1 1/2"	" & 1 1/2" Disc Meter	29	"	47.00	1363.00
1 1/2"	" & 1 1/2" Crest "	3	"	42.00	126.00
2"	" & 2" Disc "	9	"	68.00	612.00
2"	" & 2" Crest "	2	"	53.00	106.00
3"	" & 3" " "	4	"	98.00	392.00
4"	" & 4" " "	4	"	188.00	752.00
6"	Compound Meter	1	"	501.00	501.00
10"	Crest "	1	"	751.00	<u>751.00</u>
					\$14070.00

Deduct Meters shown on
R.R. Commission's Val-
uation of June 1, 1912

556.00

\$13514.00

* 50 of these meters not yet entirely installed
but work of placing is now in progress. *

CUYAMACA WATER COMPANY

REPRODUCTION COST.

Items	Quantity	Unit	Unit Cost	Sub-total	Total
<u>WEBSTER RESERVOIR - DONATED TO CUYAMACA WATER CO.</u>					
Embankment	300	cu.yds.	\$ 0.50	\$ 150.00	
4 inch Gate Valve in place	1	each	8.00	<u>8.00</u>	\$ 158.00

MILES RESERVOIR NO. 1 - DONATED TO CUYAMACA WATER CO.

Embankment	4190	cu.yds.	\$ 0.45	\$1885.00
Riprap	2500	sq.ft.	0.11	275.00
6" Std. Screw Pipe	175	lin.ft.	0.785	137.00
6" Gate Valve in place	1	each	12.00	12.00
Inlet Flume	1	"	30.00	30.00
Earth Ditch	1	"	50.00	<u>50.00</u>
				\$2389.00

MILES RESERVOIR NO. 2 - DONATED TO CUYAMACA WATER CO.

Embankment	1700	cu.yds.	0.45	765.00
Riprap	7500	sq.ft.	0.11	825.00
6" Std. Screw Pipe	70	lin.ft.	0.785	55.00
6" Gate Valve in place	1	each	12.00	<u>12.00</u>
				\$ 1657.00

CUYAMACA WATER COMPANY

REPRODUCTION COST.

Items	Quantity	Unit	Unit Cost	Sub-total	Total
<u>PUMPING PLANT NO. 5 - DONATED TO CUYAMACA WATER CO.</u>					
15 H.P. Otto Gas Engine	1	each	\$650.00	\$ 650.00	
7" x 8" Gould Triplex Pump	1	"	400.00	400.00	
Freight on Engine & Pump	1	lot	48.00	48.00	
Haul " " " "	1	"	26.00	26.00	
Connections & Foundations	1	"	100.00	100.00	
Pump House Frame	3400	cu.ft.	0.03	<u>102.00</u>	<u>\$1326.00</u>

CUYAMACA WATER COMPANY

REPRODUCTION COST.

Items	Quantity	Unit	Unit Cost	Sub-total	Total
<u>TOOLS, MATERIALS, ETC., ON HAND</u>					
Materials as per Inventory	1	lot	\$4289.00	\$4289.00	
Supplies " "	1	"	273.00	273.00	
Tools & Equipment "	1	"	2500.00	2500.00	
Construction Plant	1	"	726.00	726.00	
Camp Equipment	1	"	1017.00	1017.00	
Office Equipment, furniture & Supplies	1	"	2784.00	<u>2784.00</u>	
					\$11589.00
Deduct Tools and Materials shown on R.R. Commission's Valuation of 1912					<u>6711.00</u>
					\$ 4878.00

EXPENDITURES FOR INVESTIGATIONS OF RESERVOIR SITES ETC. AS SHOWN BY COMPANY'S BOOKS TO MAY 1st, 1914.

El Capitan Reservoir	\$3002.00
Conejos	1212.00
Poverty Gulch	1687.00
Boulder Creek Reservoir & Canal Line to Tule Reservoir	<u>2141.00</u>
TOTAL - - - - -	-\$ 8042.00

VALUATION AND DEPRECIATION DETAIL SHEET
(Without overhead.)

CORAMICA WATER COMPANY
VALUATION AND DEPRECIATION DETAIL SHEET.
 (Without overhead.)

REPRODUCTION COST		PRESENT VALUE	
Item	Quantity	Unit	Age
			LIFE YRS.
<u>BOULDER OREWELL MEASURING WELL.</u>			
Concrete	1	Lot	\$1.20.
Lumber	"	"	16.
Blasting, Excavation, etc	1	"	807.
			\$442.
<u>MEASURING STATION BELOW DIVERTING DAM.</u>			
Concrete	1	Lot	\$ 65.
Cables & Timber frames	1	"	35.
Labor erecting	1	"	103.
			\$203.
<u>MEASURING STATION AT OLD MISSION DAM</u>			
Oables	1	Lot	\$26.
Bristol gage	1	each	57.
Erecting	1	Lot	100.
			\$183.
<u>DEPRECIATION</u>			
Present Value		Total	
			\$118.
			14.
			<u>301.</u>
			\$2.
			1.
			<u>6.</u>
			\$453.
			\$1.
			<u>3.</u>
			\$191.
			\$ 64.
			32.
			<u>95.</u>
			\$1.
			<u>3.</u>
			\$12.
			\$1.
			<u>3.</u>
			\$191.
			\$2.
			6.
			<u>8.</u>
			\$16.
			\$24.
			51.
			<u>92.</u>
			\$167.

VALUATION AND DEDUCTIVE DETAILS (Without overhead.)

CUYAMACA WATER COMPANY
VALUATION AND DEPRECIATION DETAIL SHEET
(without overhead.)

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GEOGRAPHICAL SURVEY OF INDIA

CUYAMOGA WATER COMPANY
VALUATION AND RECLAMATION DETAIL SHEET
(Without overhead)

(44)

REPRODUCTION COST		PRESENT VALUE		DEPRECIATION	
Item	Quantity	Unit	Cost	Age Yrs	Life Yrs
		%	\$	%	%
Brot Pond			\$684.		
Wells	1	lot	2322.	1	25
Shaft "A"	1	each	549.	1	25
Shaft "B"	1	"	324.	1	25
French	1	"	900.	1	25
Timber Gallery	1	"	240.	1	25
General expense	1	lot	788.	1	25
Pump House	1	each	250.	1	33-1/3
					8.
					<u>8.</u>
					<u>242.</u>
					<u>\$ 474.</u>
					<u>\$ 474.</u>
					<u>\$11248.</u>

OUTALIACA WATER COMPANY
VALUATION AND DEPRECIATION DETAIL SHEET
(Without overhead.)

Item	Quantity	Unit	Cost	Age Yrs	Life Yrs	% Int	PRESENT VALUE		DEPRECIATION Annual
							Total	Present Value	
<u>PUMPING PLANT NO. 3 - NEAR SCHOOL HOUSE ON INDIAN RESERVATION.</u>									
15 H.P. Gas engine	1	each	\$650.	2	20	5		\$65.	\$65.
8" x 8" Dean triple pump	1	"	646.	1	20	5		32.	614.
Freight and haul	1	lot	114.	1	20	5		6.	108.
Installing, testing and adjusting engine and pump	1	"	40.	1	20	5		2.	88.
Foundations	1	each	115.	1	20	5		6.	109.
Preparation of site, etc	1	"	113.	1	25	4		5.	108.
Belts, pulleys, valves, etc	1	lot	160.	1	20	5		7.1	143.
Suction and discharge pipes	1	"	714.	1	20	5		35.	35.
Wells	1	"	916.	1	25	4		37.	679.
Pump House	1	each	57.	1	33-1/3	3		2.	55.
General expense	1	lot	288.	1	25	4		11.	227.
								\$176.	\$208.
									\$3545.

GUYAMACA WATER COMPANY
VALUATION AND DEPRECIATION DETAIL SHEET
(Without overhead)

Item	Quantity	Unit	Cost	PRESENT VALUE			Annual Am't	Total	Present Value
				Age Yrs	Life Yrs	%			
PUMPING PLANT NO. 4 BELOW DIVERTING DAM									
7 H P Gas Engine	1	each	\$410.	6	20	5	\$21.	\$105.	\$307.
Single stage B & J Pump	1	"	68.	1	20	5	3.	3.	65.
Freight and Haul	1	lot	35.	3	20	5	2.	2.	28.
Foundation	1	"	92.	1	20	5	5.	5.	87.
Shaft	1	each	225.	1	20	5	11.	11.	214.
Belt, Pulleys, smtton and discharge pipes, etc.	1	lot	90.	1	20	5	4.	4.	86.
Installing, testing and adjusting engine and pump	1	"	25.	1	20	5	1.	1.	24.
General Expense	1	"	62.	1	20	5	3.	3.	59.
							\$ 40.	\$ 135.	\$ 870.

OUYAMOA WATER COMPANY
VALUATION AND DEPRECIATION DETAIL SHEET.
(Without overhead.)

(47)

Item	Quantity	Unit	REPRODUCTION COST			DEPRECIATION			PRESENT VALUE		
			Cost	Age Yrs	Life Yrs	% Annual Amnt	% Annual Amnt	Total Present Value			
<u>SAND CREEK STREAM</u>											
Excavation and backfill	2450	cu yd	\$1838.	1	100	1	1%	\$18.	\$1820.		
42X reinforced concrete pipe installed	1227	lin. ft.	5267.	1	100	1	5%	53.	5214.		
Inlet and outlet structures	2	each	<u>341.</u>	1	100	1	<u>3.</u>	<u>3.</u>	<u>338.</u>		
			\$ 7446.				\$ 74.	\$ 74.	\$ 7372.		
<u>CONCRETE CONDUITS</u>											
Excavation			\$2661.	1	100	1	1%	\$27.	\$2634.		
Reinforced concrete			<u>4168.</u>	1	100	1	<u>42.</u>	<u>42.</u>	<u>4126.</u>		
			\$ 6829.				\$ 69.	\$ 69.	\$ 6760.		

VALUATION AND DEPRECIATION DETAIL SHEET
(Without overhead)

Item	Quantity	Unit	Cost	Age Yrs	Life Yrs	% Annual Depreciation	REPRODUCTION COST		DEPRECIATION		PRESENT VALUE	
							Total	Total	Present Value	Total	Present Value	
<u>STEEL PLATES</u>												
Excavation	1	Lot	\$1467.	1	100	1	\$15.	\$1452.	---			
Concrete piers	1	"	1418.	1	100	1	14.	1404.	---			
Lumber - 2nd hand	91	MBR	3225.	1	20	5	161.	3064.	---			
Steel plates creosoted	1	Lot	9806.	1	33-1/8	3	294.	9512.	---			
Angles & stiffeners	1	"	497.	1	20	5	24.	463.	---			
Road construction	1	each	280.	1	100	1	2.	228.	---			
			<u>\$16633.</u>				<u>\$10.</u>	<u>\$16123.</u>				
<u>LINING WOOD FLUMES</u>												
Preparing flumes for lining	13,355	squares	\$8084.	0	8	12 $\frac{1}{2}$	\$1011.	---	\$8084.	---		
2 ply roofing material in place	12,132	"	20656.	0	8	12 $\frac{1}{2}$	3832.	---	30656.	---		
Felt, asphalt and 1 ply roofing material in place	1,223	"	4831.	0	8	12 $\frac{1}{2}$	604.	---	4831.	---		
			<u>\$43571.</u>				<u>\$10.</u>	<u>\$4447.</u>				

GUYAMACA WATER COMPANY
VALUATION AND DEPRECIATION DETAIL SHEET
(Without overhead)

REPRODUCTION COST				DEPRECIATION				PRESENT VALUE			
Item	Quantity	Unit	Cost	Age Yrs	% Annual	Am't	Total	Present Value			
<u>BUSING SIDE BOARDS OR PLUMES</u>											
Lumber 2nd hand	86.5	MBM	\$2916.	1	9	11	\$324.	\$294.	\$2592.		
<u>STRENGTHENING PLATE STRUCTURES</u>											
Lumber 2nd hand	69	MBM	\$2415.	1	9	11	\$268.	\$247.	\$2147.		
<u>LANKERSHIM TUNNEL LINING</u>											
Concrete roof slabs and backfilling in place	1	lot	\$1124.	1	100	1	\$11.	\$11.	\$11.		
<u>EXCAVATION AT PORTALS OF TUNNEL NO. 14</u>											
Excavation	1	lot	\$1080.	1	100	1	\$11.	\$11.	\$1069.		

VALUATION AND DEPRECIATION DETAIL SHEET
 (Without overhead)

Item	Quantity	Unit	Cost	Age Yrs	Life Yrs	% Annual Am't	DEPRECIATION		Total	Present Value
							N	P		
<u>MEASURING BOXES</u>										
Measuring boxes	42	each	\$777.	23	26	4	\$50.	\$88.	\$39.	
"	"	"	120.	0	26	4	\$5.	---	130.	
							\$55.	\$98.	\$29.	
<u>TELEPHONE LINE</u>										
Poles in place	2.65	each	\$1551.	1	33-1/3	3	\$46.	\$46.	\$46.	\$46.
Breakers and insulators	3.78	"	150.	1	33-1/3	3	5.	5.	145.	
Wire in place	84	0ft	1067.	1	33-1/3	3	32.	32.	1035.	
Freight and haul	1	lot	120.	1	33-1/3	3	4.	4.	116.	
							\$287.	\$87.	\$2801.	
							\$2888/			

VALUATION AND DEPRECIATION DRAFTS WITHOUT OVERHEAD.)

VALUATION AND DEPRECIATION DETAIL SHEET

COYAMOGA WATER COMPANY

(Without Overhead.)

(B2)

VALUATION AND DEPRECIATION - DETAIL SHEET

VALUATION AND DEPRIVATION DETAILED SUGGESTION
(Without overhead.)

VALUATION AND DEPRECIATION DETAIL SHEET.
(Without overhead.)

**UYAMOA WATER COMPANY
VALUATION AND DEPRECIATION DEDUCTIVE SHEET**
(Without overhead.)

(56)

OUYAMA & WATER COMPANY
VALUATION AND DEPRECIATION DETAIL SHEET
(Without overhead.)

VALUATION AND DEPRECIATION DETAILED SHEET
(Without Overhead)

(58)

GUYAMACA WATER COMPANY
VALUATION AND DEPRECIATION DETAIL SHEET

Item	Quantity	Unit	Cost	Age Yrs.	Life Yrs.	Annual Int.	DEPRECIATION		PRESENT VALUE
							Total	Present Value	
PUMPING PLANT NO. 6 - DONATED TO GUYAMACA WATER COMPANY									
15 H.P. Gas Engine	1	each	\$ 650.	14	20	5	\$33.	\$465.	\$195.
7" x 8" Gould Triplex pump	1	"	400.	10	20	5	20.	200.	200.
Freight and haul	1	lot	74.	13	20	5	4.	48.	26.
Connections & foundations	1	"	100.	13	20	5	5.	65.	35.
Pump house frame	8400	cu ft	<u>102.</u>	10	33-1/3	3	<u>3.</u>	<u>31.</u>	<u>71.</u>
							\$ 65.	\$799.	\$527.
							\$1326.		

SUMMARY

Items	Reprod. Cost	Annual Deprec.	Total Deprec.	Present			With 21% overhead.
				Reprod. Cost	Total Value	Animal Deprec.	
<u>PROPERTIES PURCHASED OR CONSTRUCTED BY THE COMPANY</u>							
Lands & rights of way	\$6,268.	-----	-----	\$6,268.	\$7,684.	-----	\$7,684.
Sluice Gates for Diverting Dam	2,601.	52.	104.	2,497	3,147.	63.	3,021.
Boulder Creek Measuring Weir	442.	5.	9.	433.	635.	6.	624.
Measuring Station below Diverting Dam	203.	6.	12.	191.	246.	7.	14.
Measuring Station at Old Mission Dam	183.	8.	16.	167.	221.	10.	19.
La Mesa Pumping Plant	2,317.	115.	172.	2,145.	2,804.	139.	2,596.
Chocolate " "	11,717.	474.	474.	11,243.	14,177.	573.	13,604.
Pumping Plant No 3	3,753.	176.	208.	3,545.	4,541.	213.	4,289.
" " No 4	1,005.	40.	135.	870.	1,216.	48.	1,053.
Sand Creek Siphon	7,446.	74.	74.	7,372.	9,010.	90.	8,920.
Concrete Conduits	6,829.	69.	69.	6,760.	8,263.	84.	8,179.
Steel Flumes	16,688.	610.	16,125.	16,125.	20,185.	617.	19,508.
Total	59,397.	\$1,529.	\$1,783.	\$57,614.	\$71,869.	\$1,850.	\$72,157.
							\$69,712.

SUMMARY

Item	Present Value : Reprod. Cost			Annual Deprec.			Total Deprec.			Present Value : Deprec.		
	Reprod.	Total	Annual Deprec.	Total	Deprec.	Cost	Total Deprec.	Deprec.	Total Deprec.	Deprec.	Total Deprec.	Deprec.
<u>PROPERTIES PURCHASED OR CONSTRUCTED BY THE COMPANY -- Cont'd.</u>												
Preparation, Bright, Wood Lining Tunnel (United)	\$59,897. 8,084	\$1,529. -----	\$1,783.	\$67,614. -----	\$71,869.	\$1,850.	\$2,157.	\$69,712.	\$69,712.	\$2,157.	\$69,712.	\$69,712.
Lining Wood Plumes	43,671.	5,447.	-----	43,671.	5,447.	-----	-----	52,721.	52,721.	-----	52,721.	52,721.
Railing Side Boards on Flame 2,916.	324.	324.	-----	2,592.	3,528.	392.	392.	3,136.	3,136.	-----	3,136.	3,136.
Strengthening Flame Structures	2,415.	268.	-----	2,147.	2,922.	324.	324.	2,598.	2,598.	-----	2,598.	2,598.
Lankershim Tunnel Lining	1,124.	11.	11.	1,113.	1,360	13.	13.	1,247.	1,247.	-----	1,247.	1,247.
Excavation at Portals of Tunnel No. 1 ^f	1,080.	11.	11.	1,069.	1,307.	13.	13.	1,294.	1,294.	-----	1,294.	1,294.
Measuring Boxes	907.	85.	85.	219.	1,097.	42.	42.	832.	832.	-----	832.	832.
Telephone Line	2,888.	87.	87.	2,801.	3,494.	105.	105.	3,289.	3,289.	-----	3,289.	3,289.
Pipe Lines	63,895.	2,089.	2,089.	63,209.	77,313.	2,467.	2,467.	830.	830.	-----	830.	830.
Meters & Services	13,514.	695.	695.	2,770.	10,744.	16,352.	16,352.	841.	841.	-----	841.	841.
Tools, equipment, materials, etc.	4,878.	-----	-----	4,878.	5,902.	-----	-----	6,902.	6,902.	-----	6,902.	6,902.
Investigations for future Reservoirs, etc.	8,042.	-----	-----	8,042.	9,731.	-----	-----	9,731.	9,731.	-----	9,731.	9,731.
	\$204,627.	\$10,446.	\$10,446.	\$197,999.	\$247,596.	\$12,628.	\$12,628.	\$18,018.	\$18,018.	\$18,018.	\$18,018.	\$18,018.

SUMMARY

Items	With 21% Overhead.		
	Reprod. Cost	Total Deprec.	Present Value
Annual Dep.	Total Dep.	Annual Deprec.	Present Value
			\$1,947.

PROPERTIES DONATED TO THE COMPANY

Lands & Rights of Way	\$1,560.	\$1,560.	\$1,888.
Pipe Lines	86,985.	1,526.	7,662.
Meters & Services	5,072.	190.	3,682.
Webster Reservoir	158.	2.	4.
Wiles Reservoir No.1	2,539.	31.	452.
" " No.2	1,657.	19.	264.
Pumping Plant No.5	1,826.	65.	799.
			\$38,596.
			\$9,351.
			\$2,218.
			\$1,815.
			\$46,701.

OUYAMA & WATER COMPANY

BEST SELLER

With 21% Overhead.					
Reprod.	Annual Cost.	Total Deprec.	Present Value:	Reprod.	Annual Total Value
Properties purchased or constructed by the City Garage Water Company since June 1st, 1912.	\$204,627.	\$10,446.	\$6,628.	\$197,999.	\$247,596.
Properties secured to City Garage Water Company since June 1st, 1912.	47,947.	1,883.	9,361.	\$3,596.	\$38,016.
	252,574.	12,279.	15,979.	236,595.	305,612.
				14,866.	14,866.
				19,333.	286,279.
Properties owned by City Garage Water Company on June 1st, 1912, as shown by R.R. Com's valuation, but corrected to show accrued depreciation	946,518.	18,356.	425,775.	522,745.	522,745.
Grand Total.s -----	\$1,252,130.	\$35,212.	\$443,108.	\$309,022.	

Properties purchased or

concentrated by the

Quyensong Water Company

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Propositions occurred to
Ottawagon Water Company
Village June 1st, 1912.

to show secured depreciation
allowances, but corrected
shown by R.R. Com's
on June 1st, 1912, as
presented by
Cyanogen Water Company

946, 518. **18, 356** **425, 775.** **522, 745.**

\$1,252,130. \$35,212. #443,108. \$809.022.

Grand Total \$ ---

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Physical Valuation of Cuyamaca Water Co."**



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