

APPRAISAL

STRUCTURAL PROPERTIES

CUYAMACA WATER COMPANY

AT DATE NOV. 17, 1914.

6 copies made Mar. 6-1915.

- No 1 to Fulton Lane 3-10-15
- 2 to W.S. Post "
- 3 to F.M. Faude "
- 4
- 5
- 6

C I T Y O F S A N D I E G O

S U M M A R Y

C U Y A M A C A W A T E R C O M P A N Y

P H Y S I C A L P R O P E R T I E S .

Item	Cost to Reproduce	Annual Depreci- ation	Total Depreci- ation	Reprod. Cost Less Depreci- ation
<u>COLLECTIVE SYSTEM</u>				
Cuyamaca Reservoir	\$ 46005	\$ 532	\$ 14763	\$ 31242
Diverting Dam	44405	503	13449	30956
Pump Sta. No. 4	597	30	30	567
Sand Creek Pump Station	4310	216	216	4094
Chocolate Pump Station	6627	331	2723	3904
Monte Pump Plant	27918	1396	23730	4188
<u>TRANSMISSION SYSTEM</u>				
Wood Flume	539154	14822	400188	138946
Trestles	65509	1926	52004	13505
Iron Flume	9500	475	475	9030
Sand Creek Syphon	6955	139	278	6680
South Fork Syphon	4480	223	223	4254
Chocolate Syphon	9806	491	491	9315
Tunnels (10-5177.5 ft.)	60993	1220	28058	32935
Concrete Conduit No.1 (1097' long)	3110	63	63	3047
" " No.2 (Square 250' long)	451	9	18	433
" " No.3 (Semi Circu- lar lined with Gunitite 212' lg)	527	10	10	517
South Fork Feeder	711333	1285	484658	226675
Sand Creek Cement Shed	87	9	9	78
South Fork Cook Shack	438	22	44	394
Chocolate Section House & Tool Shed	542	16	400	142
Los Coches Residence & Outhouses	1032	34	887	145
" " Section House	526	17	430	96
Section House No.5 & Outhouses	308	9	27	281
Murray 36" Supply	6379	64	192	6187
La Mesa Ditch Line	8703	348	6963	1740
<u>DISTRIBUTION SYSTEM</u>				
Webster Reservoir	393	3	7	386
Grossmont Reservoirs	4564	46	115	4449
Grossmont Pump Station	2321	116	577	1744
Miles Reservoir No. 1	3522	35	528	2994
Miles Pump Station	2148	107	1074	1074

Item	Cost to Reproduce	Annual Depreci- ation	Total Depreci- ation	Reprod. Cost Less Depreci- ation
<u>DISTRIBUTION SYSTEM (Cont'd.)</u>				
Miles Reservoir No. 2	\$ 1039	\$ 10	\$ 145	\$ 894
Murray Reservoir	14243	142	569	13674
Murray-Eucalyptus Syphon	12835	128	386	12449
Eucalyptus Reservoir	10471	189	3108	7363
La Mesa Reservoir	18804	206	4068	14736
La Mesa Dam Pump Station	2268	113	1135	1135
La Mesa Pipe Line	12477	499	8983	5494
La Mesa Pump Station No.1	5383	269	336	5047
<u>DISTRIBUTING MAINS</u>				
Distribution Mains, Valves, etc.	154226	7124	40625	113605
<u>MISCELLANEOUS</u>				
Old Mission Dam-Cable Station	144	6	16	128
Telephone Lines	2721	91	91	2630
GRAND TOTALS	\$1807234	\$33274	\$1092092	\$715153

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE COYMACA RESERVOIR

SHEET NO. 3 OF 4

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>DAM</u>											
	1	Stripping	2750	CY	0.22	665							
	2	Trenching- Earth- Clay	1690	"	0.66	1227							
	3	" Solid Rock	50	"	2.20	121							
	4	Clay-in trench	1740	"	1.10	2105							
	5	Embankment- earth	12260	"	0.25	3372							
	6	" clay puddle	15008	"	0.30	4952							
	7	Riprap 15" thick	22375	SqFt	0.10	2462							
	8	Dry slope wall	219	CY	2.75	662							
						<u>15566</u>	28	100	1	157	4359		11207
2		<u>SPILLWAYS</u>											
	1	Excavation- earth	1720	CY	0.30	568							
	2	Paving 12" thick	184	"	0.075	15							
						<u>583</u>	28	100	1	6	163		420
3		<u>GATE TOWER</u>											
	1	Excavation- Clay	32	CY	0.35	12							
	2	Rubble Masonary	34	"	6.20	231							
	3	Brick "	31.5	M	33.00	1144							
	4	Cement Plaster	1600	SqFt	0.10	176							
	5	Wood Gates- Platform	1	lot	-	105							
	6	C.I. Sluice Gate	1	ea	-	220							
	7	Gauge board	1	"	-	6							
	8	Bridge)											
		" iron)	1	lot	-	257							
						<u>2151</u>	28	100	1	21	602		1549

CITY OF SAN DIEGO

DIVISION _____ COLLECTION _____

STRUCTURE _____ CUYAMACA RESERVOIR _____

SHEET NO. 2 OF 4

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
4		<u>OUTLET</u>											
	1	Excavation Earth	73	CY	0.30	24							
	2	Rubble Masonry, Hammer Dressed	1934	"	6.20	13190							
	3	Paving 15" thick	399	SqFt	0.10	44							
	4	Plaster 1/2" thick	1540	"	0.055	93							
	5	Rough Rubble	106	CY	5.00	583							
	6	Trenching- earth	283	"	0.44	138							
	7	" Loose rock	121	"	0.66	88							
	8	Wier	1.025	MBM	55.00	62							
	9	Enamled Gauge 4" x 18"	1	ea	-	1							
	10	Dry rubble	23	CY	3.50	89							
						<u>14312</u>	28	100	1	143	4008		10304
5		<u>METEOROLOGICAL APPARATUS</u>											
	1	Evaporating Pens	2	ea	29	64							
	2	Rain gauges	4	"	5	22							
	3	Max. & Min. Thermometer	1	"	8.25	9							
						<u>95</u>	2	20	5	5	10		85
6		<u>KELLEY DITCH</u>											
	1	Clearing- Heavy	1	lot		55							
	2	Earth Excavation	6567	CY	0.30	2167							
	3	Loose Rock Excavation	845	"	0.66	614							
	4	Solid Rock Excavation	5649	"	0.88	5468							
	5	Dry Rock wall	115	"	3.50	443							
						<u>8747</u>	28	100	1	87	2449		6298

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE CUYAMACA RESERVOIR

SHEET NO. 3 OF 4

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
7		<u>KEEPER'S COTTAGE</u>											
	1	Earth Excavation	8	CY	0.35	3							
	2	Dry Rubble Walls	43	"	3.50	165							
	3	Brick Floor (36) & Foundation (5020)	5.380	M	33.00	196							
	4	Lumber R O P	4.975	MBM	50.00	274							
	5	" T & G- O P	5.025	"	55.00	304							
	6	" S 4 S O P	0.306	"	54.00	19							
	7	Clapboards R W	2.535	"	55.00	153							
	8	1" x 8" S 4 S Redwood	400	L Ft	59.00M	26							
	9	Porch Columns 8' long	4	ea	1.50	7							
	10	Colonial Doors & Frames) 2' -6" x 6' -8")	10	"	5.00	55							
	11	Windows- 2 shah 12 light 2' - 6" x 5' -1"	10	"	3.50	39							
	12	Shingles R.W.	13.5	M	6.00	89							
	13	Wall Paper & Int.Painting	1	lot	-	112							
	14	Fire places & chimneys	2	ea	-	88							
	15	Plumbing- Toilet, Sink & Lavatory	1	lot	-	165							
	16	Outside Paint- 2 coats	147	SqYd	0.30	48							
	17	Hardware	1	lot	-	11							
	18	Water Supply complete (agreed \$45)	1	"	-	49							
	19	Trees & shrubs (Agreed \$10)	1	"	-	11							
						<u>1814</u>							

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE CUYAMACA RESERVOIR

SHEET NO. 4 OF 4

REPRODUCTION COST						DEPRECIATION				PRESENT VALUES			
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
8		<u>BARN</u>											
	1	Dry Rubble	4	CY	3.50	15							
	2	Lumber R O P	3.022	MBM	50.00	166							
	3	Battens 1" x 6" R R W	920	L Ft	0.03	31							
	4	Hardware	1	lot	-	2							
						<u>214</u>							
9		<u>WORKSHOP</u>											
	1	Lumber R O P	1.201	MBM	50.00	66							
	2	Redwood Battens 1" x 3"	736	L Ft	0.02	16							
	3	Windows	1	lot	-	10							
	4	Hardware	1	"	-	2							
	5	Tar paper Roofing, 2 ply	3.2	Sqrs	3.25	11							
	6	Painting 2 coats	57	SqYd	0.30	19							
						<u>124</u>							
10		<u>COW BARN</u>											
	1	Lumber R O P	1.155	MBM	50.00	64							
	2	Logs & rails for framing	1	lot	-	7							
	3	Shakes	0.18	M	21.00	4							
						<u>75</u>							
11		<u>CHICKEN HOUSE</u>											
	1	Lumber R O P	1.476	MBM	50.00	82							
	2	Redwood Battens 1/2" x 3"	608	L Ft	0.02	13							
	3	Shingles Painted	2.300	M	6.00	15							
	4	Doors & Windows	1	lot	-	4							
	5	Hardware	1	"	-	1							
	6	Paint- 1 coat	68	SqYd	0.15	11							
	7	Whitewash	94	"	0.05	6							
						<u>132</u>							
12		<u>FENCING</u>											
	1	5 strand barbed wire fence	9.7	miles	176.00	1877							
	2	2 " " " "	2.0	"	143.00	315							
						<u>2192</u>							
		<u>Total Structures (7-12) inc.</u>				4551	28	40	2.5	113	3172		1379
		<u>Grand total Cuyamaca Reservoir</u>				46005				532	14763		31242

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE DIVERTING DAM

SHEET NO. 1 OF 4

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>DAM</u>											
	1	Excavation- Solid Rock	488	CY	1.25	671							
	2	" Disintegrated Gran.	955	"	0.35	367							
	3	Rubble Masonary	4445	"	6.20	30315							
	4	Concrete	394	"	7.00	3134							
	5	Lumber R.R.W.	0.351	MBM	45.10	18							
	6	" " (screen)	0.330	"	45.10	17							
	7	Gauge board- Painted	1	ea	-	6							
	8	Water level gauge (Bristol)	1	"	-	63							
	9	Ladder- Iron	1	"	-	4							
	10	30" x 30" C I Gate & Stand	1	"	-	237							
	11	24" x 24" " "	1	"	-	174							
	12	36" x 24" for " "	2	"	177.00	389							
	13	Excavation Tumble Bay	1030	CY	1.10	1246							
	14	Boulders in cement mortar	800	"	5.50	4840							
	15	1 1/2 Standard Pipe dowel pins	600	lbs	0.04	26							
						<u>41406</u>	28	100	1	414	11594		29812
2		<u>KEEPER'S HOUSE</u>											
	1	Excavation-Dis. Granite	71	CY	0.35	28							
	2	Rubble Masonry	62	"	5.50	375							
	3	Adobe Brick	2200	CuFt	0.25	605							
	4	Plaster on Adobe	147	SqYd	0.50	81							
	5	Rough Redwood	1.313	MBM	45.00	65							
	6	" Oregon Pine	3.281	"	37.00	133							
	7	S 4 S " "	1.009	"	40.00	44							
	8	Brackets & Lattice	1	lot	-	11							
	9	T & G Oregon Pine	2.028	MBM	43.00	96							
	10	Gutter & Moulding	1	lot	-	11							
	11	Redwood Battens 1/2" x 4"	392	L Ft	0.02	9							
	12	" Shingles	15	M	5.30	88							
	13	Windows & Doors	1	Lot	-	62							
	14	Lath & Plaster	168	SqYd	0.30	55							
	15	Burlap	400	SqFt	0.07	31							

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE DIVERTING DAM

SHEET NO. 2 OF 4

REPRODUCTION COST						DEPRECIATION				PRESENT VALUES			
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
2		<u>KEEPER'S HOUSE Cont'd</u>											
	16	Interior Painting	1	lot	-	28							
	17	Brick Chimney	1	ea	-	16							
	18	Hardware	1	lot	-	27							
	19	Brick Walk Border	150	-	-	-							
	20	Water Supply complete	1	lot	62.39	68							
	21	Whitewash	ml	"	-	11							
	22	Shrubs & Trees	1	"	-	22							
						<u>1886</u>							
3		<u>OUTHOUSE</u>											
	1	Rough Oregon Pine Lumber	0.132	MBM	37.00	6.00							
						<u>6.00</u>							
4		<u>BARN</u>											
	1	Rough Oregon Pine Lumber	3.157	"	37.00	129							
	2	Whitewash	800	SqFt	0.005	4							
						<u>133</u>							
5		<u>CHICKEN HOUSE</u>											
	1	R O P Lumber	1.200	MBM	37.00	48							
	2	Shakes	0.100	M	20.00	2							
						<u>50</u>							
6		<u>CORRAL</u>											
	1	Rough Redwood Lumber	2.183	MBM	45.00	108							
	2	Hardware	1	lot	-	1							
						<u>109</u>							
7		<u>TOOL SHED</u>											
	1	R R W Lumber 2nd hand	1.309	MBM	26.00	37							
	2	2 ply tar paper roofing	1.96	Sqrs	5.00	7							
						<u>44</u>							
8		<u>HITCHING BOARD & BENCHES</u>											
	1	Rough Oregon Pine Lumber	0.300	MBM	37.00	12							
						<u>12</u>							
9		<u>STORAGE SHED</u>											
	1	R R W Lumber 2nd hand	1.498	MBM	36.00	59							
						<u>59</u>							

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE DIVERTING DAM

SHEET NO. 3 OF 4

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
10		<u>OLD PUMP HOUSE</u>											
	1	RRW Lumber	1.352	MBM	36.00	54							
	2	1 ply roofing	2.56	Sqrs	3.00	9							
						<u>63</u>							
11		<u>FENCES</u>											
	1	Barbed Galva. Wire	5100	L Ft	0.01	56							
	2	Rabbit wire 36" wide 1" mesh	168	"	0.03	6							
	3	Rough Redwood Posts	136	Ea	0.25	37							
	4	Lath	350	"	-	3							
						<u>102</u>							
		<u>Total</u>				2444	26	35	3	69	1802		642

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE DIVERTING DAM

SHEET NO. 4 OF 4

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
12		<u>BOULDER CREEK MEASURING STA.</u>											
	1	Excavation- Earth & Boulders	3	CY	0.50	2							
	2	Concrete	5	"	6.00	33							
	3	Paving 12" thick, plastered	450	SqFt	0.30	149							
	4	Lumber R R W	148	FBM	0.045	74							
	5	" S 4 S R W	512	"	0.05	29							
	6	Painting	11	SqYd	0.15	2							
	7	Ashphalt Painting	7	"	0.20	1							
	8	Gauge board R W S 4 8	1	ea.	1.00	1							
	9	Enamled Gauges 4" x 18"	2	"	1.00	2							
						<u>293</u>	3	50	2	5	17		276
13		<u>SCOURING DITCH BELOW DIVERTING DAM</u>											
	1	Excavation- Boulders & Dis.Gran.	40	C Y	0.50	22							
	2	Dry Rock Wall	4	"	3.50	15							
	3	Grouted Paving 12" thick	180	SqFt	0.10	20							
	4	Riprap 9" thick	330	"	0.05	18							
						<u>75</u>	28	100	1	8	21		54
14		<u>CABLE MEAS. STA. BELOW DAM</u>											
	1	Excavation- Sand	15	C Y	0.20	3							
	2	Rough Redwood Lumber	290	FBM	0.045	14							
	3	Concrete	20	C Y	6.00	133							
	4	5/8" Steel Wire Cable	200	L Ft	0.06	13							
	5	5/8" Wire clamps	6	ea	0.10	1							
	6	Turnbuckles with eye bolts	2	"	0.50	1							
	7	Standard Car & Hangers	1	"	20.00	22							
						<u>187</u>	2	25	4	7	15		172
15		<u>RAIN GAUGES</u>											
	1	Galvd. Stan. Rain Gauge	1	ea									
	2	Lumber R R W	0.025	FBM									
		Total for Diverting Dam				44405				503	13449		30956

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE PUMPING STA. No. 4 (at Diverting Dam)

SHEET NO. 1 OF 1

REPRODUCTION COST							DEPRECIATION				PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1	1	<u>Gas Engine</u> West Coast Gas Engine 5 H P 400 R.P.M.	1	ea	876.00	<u>414</u> 414							
2	1	<u>PUMP</u> Jackson Centrifugal Pump) 1-3"	1	lot	88	97							
	2	Pipe & Fittings	1	"	78	<u>86</u> 183							
		Grand Total				597	1	20	5	30	30		567

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE SAND CREEK PUMP STATION

SHEET NO. 1 OF 1

REPRODUCTION COST							DEPRECIATION				PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>PUMP HOUSE</u>											
	1	Excavation- Sand	50	CY	0.50	11							
	2	Concrete	11.1	"	7.70	94							
	3	Lumber R O P	2.619	MBM	20.00	57							
	4	Roofing	4.8	Sqrs	2.70	14							
	5	Window Frames	2	Each	1.00	2							
						<u>178</u>							
2		<u>GAS ENGINE</u>											
	1	15 HP PM Wood Split pulley	1	lot	965.00	<u>1062</u>							
						<u>1062</u>							
3		<u>PUMP</u>											
	1	Dean 8" x 8" Triplex Belt Driven	1	lot	961.00	1057							
	2	Com'n from Pump to Dischg.	1	"	4.50	5							
	3	Line from Pump Dischg. to meter	1	"	75.00	83							
	4	Discharge line to flume) Flume to meter)	1	"	272.00	<u>299</u>							
						<u>1444</u>							
4		<u>WELL LINES</u>											
	1	Screw & flange Pipe & casing lines	1	"	240.00	<u>264</u>							
						<u>264</u>							
5		<u>DRIVEN WELLS</u>											
	1	10" Wells (5)	225	L Ft	5.50	<u>1362</u>							
						<u>1362</u>							
		Grand Total				4310	1	20	5	216	216		4094

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE CHOCOLATE PUMP STATION

SHEET NO. 1 OF 2

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		PUMP HOUSE											
	1	Excavation	82	CY	0.35	32							
	2	Concrete	8	"	7.70	68							
	3	"	289	SqFt	0.14	44							
	4	"	37.4	CY	6.25	257							
	5	Lumber R O P	2.235	MBM	30.00	74							
	6	" R R W	0.710	"	40.00	31							
	7	Corrugated Galv. Iron	20	SqFt	0.05	1							
	8	Doors, Windows, etc	1	lot	80.00	88							
						<u>595</u>	1	20	5	30	30		565
2		GAS ENGINE											
	1	Gas engine	1	"	1974	2171	1	20	5	109	109		2062
3		PUMP											
	1	Centrifugal Pump	1	"	507	558							
	2	Suction line from Pump) to Y and Concrete well)	1	"	89.00	98							
	3	Discharge line from pump to flume	1	"	585.00	641							
	4	Blowoff valve on Disc. line	1	"	4.00	4							
	5	Drain from discharge line) through pump pit to atmosphere	1	"	15.40	17							
						<u>1318</u>	1	20	5	66	66		1252
4		SUCTION LINE Y TO WELLS 1-2-3-4											
	1	Suction line Y to wells 1-2-3-4	1	"	24.00	26	1	20	5	1	1		26
5		DRIVEN WELLS											
	1	Driven well No. 1	1	ch.	75.00	82							
	2	" " " 2	1	"	206.00	227							
	3	" " " 3	1	"	852.00	937							
	4	" " " 4	1	"	768.00	845							
						<u>2091</u>	20	20	5	104	2091		
6		SHAFT "A"											
	1	Excavation	27	CY	1.00	30							

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE CHOCOLATE PUMP STATION

SHEET NO. 2 OF 2

REPRODUCTION COST							DEPRECIATION				PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
6	2	<u>SHAFT "A" Cont'd</u> Reinforced Concrete Pipe	20	L Ft	3.30	72 <u>102</u>	20	20	5	5	102		---
7	1	<u>SHAFT "B"</u> Excavation	16	CY	1.00	17							
	2	38" Steel shaft-	12	Linft	3.00	40 <u>57</u>	20	20	5	3	57		
8	1	<u>TIMBERED GALLEYS</u> Excavation	95	CY	1.00	104							
	2	Lumber R.R.W.	4	MBM	57.00	163 <u>267</u>	20	20	5	13	267		---
Total Chocolate Pump Station						6627				331	2723		3904

CITY OF SAN DIEGO

DIVISION TRANSMISSION

STRUCTURE _____

SHEET NO. 1 OF 12

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		WOOD FLUME											
	1	Excavation-Earth	8598	CY	0.30	2837							
	2	" Disintg. Granite	175506	"	0.35	68558							
	3	" Cemented Gravel	2363	"	0.60	1559							
	4	" Adobe	6364	"	0.35	2450							
	5	" Hard Rock	22408	"	1.25	30811							
						<u>106315</u>	27	50	2	2126	57410		48905
		Embankment											
	6	Riprap 12" thick	1350	SqFt	0.11	164							
	7	Dry Rubble	1247	CY	2.75	3772							
						<u>3936</u>	27	50	2	79	2125		1811
		Flume Box											
	8	Rough Redwood (Merch)	3765	MBM	40.00	165660							
	9	SSS " (Clear)	3433	"	52.50	198256							
	10	Wedges	60394	Ea.	0.01	664							
	11	Caulking	1122	ML. ft	5.20	6418							
	12	Flume Lining (#24 Galv. Iron	616	SqFt	0.05	41							
	13	Building Paper (1 & 2 Ply)	18303	Sqs.	2.70	54360							
	14	Board Walk-Lumber	2850	FBM	0.04	125							
		Total-Items (8 to 14) incl.				<u>425524</u>	27	34	3	12518	337986		87538
	15	Lumber R.R.W.	338	FBM	0.045	16							
	16	" S4S	36	"	0.045	2							
	17	1/8" Screen	324	SqFt	0.10	35							
	18	Iron	75	lbs	0.06	6							
		Waste Gates & Sand Boxes											
	19	Lumber-R.R.W.	2296	FBM	0.045	113							
	20	C.I. Gate lift (threaded)	1	ea.	5.00	6							
	21	Iron	59	lbs.	0.06	4							
	22	Concrete	1.6	CY	7.70	13							
	23	Steel Pipe 15" R.5. No. 14 Ga.	123	lbs.	0.06	8							
		Wasteway											
	24	Lumber R.R.W.	3670	FBM	0.045	182							
	25	Iron	25	lbs.	0.06	2							
	26	Bridges (1 Highway) R.O.P.	3625	FBM	0.04	160							

CITY OF SAN DIEGO

DIVISION TRANSMISSION

STRUCTURE _____

SHEET NO. 2 OF 2

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>WOOD FLUME, Cont'd.</u>											
	27	Culverts R.R.W.	7470	FBM	0.045	370							
	28	Measuring Gates	22	Ea.	2.50	605							
	29	" Boxes	46	"	10.00	506							
		<u>Fence</u>											
	30	Barbed Wire	200	L.ft.	0.01	2							
	31	Posts	10	Ea.	0.30	3							
	32	Water Troughs	3	"	1.00	3							
	33	Clearing Entire R. of W.	120.3	Ac.	10.00	1323							
		Total Items (15-33) Incl.				3359	27	34	3	99	2667		692
		GRAND TOTAL, STRUCTURE 1				539134				14822	400188		138946
2		<u>TRESTLES</u>											
	1	Lumber R.O.P.	1480	MBM	40.00	65120							
	2	Concrete Piers	20	CY	7.70	169							
	3	Rubble Piers	42	"	4.75	220							
						65509	27	34	3	1926	52004		13505
3		<u>IRON FLUME</u>											
	1	Galv. Iron 22 Gauge 5'8 3/4" Diam. 21 lbs. per ft.	2521	L.ft	3.00	8319							
	2	Lumber R.O.P. (Old Lumber)	25	MBM	30.00	825							
	3	Iron braces	1	Lot		356							
						9500	1	20	5	475	475		9030
4		<u>SAND CREEK SYPHON</u>											
	1	Trench (Excav. & Backfill)	2450	CY	0.80	2156							
	2	Concrete Pipe (42" Reinf.)	1223	L.ft	3.30	4440							
	3	6" x 12" Nipple	1	Ea.	1.85	2							
	4	6" Elbow	1	"	1.40	1							
	5	6" Screw end Gate Valve	1	"	15.00	17							
	6	6" Std. Screw Pipe	24	L.ft	0.73	20							

CITY OF SAN DIEGO

DIVISION TRANSMISSION

STRUCTURE _____

SHEET NO. 3 OF 12

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB-ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
4		<u>SAND CREEK SYPHON, Cont'd</u>											
	7	6" - 45° Elbcw	1	Ea.	1.75	2							
	8	20" Manhole (frame & cover)	1	"	9.00	10							
	9	Concrete in Valve Well	3	CY	7.70	24							
	10	Lumber in cover	50	FBM	0.05	3							
	11	Excav. & Backfill in Forebays	50	CY	0.80	44							
	12	Concrete in Forebays	20	"	7.70	169							
	13	Reinforcement	400	Lbs.	0.04	18							
	14	Timber Screens	190	FBM	0.05	11							
	15	Drain Pipes 1"	65	L.ft	0.07	5							
	16	8" I.B.B.M. Crane Gate) Valve in Concrete)	1	Ea.	30.00	33							
						<u>6955</u>	2	50	2	139	278		6680
5		<u>SOUTH FORK SYPHON</u>											
	1	Excavation & Backfill	710	CY	0.80	625							
	2	26" Pipe, R.S. Slipjoint, 14 Ga.	286	L.ft	1.80	566							
	3	26" " " " " 12 " 1134	1134	"	2.30	2869							
	4	Concrete Around Pipe at Angles, etc.	12	CY	7.70	101							
	5	C.I. Manhole (Frame & covers)	1	Ea.	9.00	10							
	6	4" Standard Screw Pipe	32	L.ft	0.48	16							
	7	4" x 24" Nipple	1	Ea.	2.20	2							
	8	4" x 8" "	3	"	1.00	3							
	9	4" Gate Valves	2	"	6.60	14							
	10	4" Elbow	1	"	0.70	1							
	11	Concrete in Valve Box	1	CY	7.70	9							
	12	Lumber in cover & screen	316	FBM	0.04	14							
	13	Excav. for Inlet & Outlet	42	CY	0.60	28							
	14	Concrete " " " "	24	"	7.70	204							
	15	Reinforcement	310	Lbs.	0.05	18							
						<u>4480</u>	1	20	5	223	223		4254
6		<u>CHOCOLATE SYPHON</u>											
	1	Excav. & Backfill	1400	CY	0.80	1232							

CITY OF SAN DIEGO

DIVISION TRANSMISSION

STRUCTURE _____

SHEET NO. 4 OF 12

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
6		CHOCOLATE SYPHON, Cont'd.											
	2	30" R.S.SlipJoint Pipe 12Ga.	2060	L.ft	2.65	6005							
	3	30" " " " " 10 Ga.	600	"	3.00	1980							
	4	Concrete around Pipe Angles	17	CY	7.70	144							
	5	C.I.Manhole(Frame& cover)	1	Ea.	9.00	10							
	6	Expansion Sleeve	2	"	6.00	13							
	7	6" Std. Screw Pipe	40	L.ft	0.80	35							
	8	6" x 10" Nipple	1	Ea.	1.85	2							
	9	6" Elbow	1	"	1.35	1							
	10	6" Screw end Gate Valve	1	"	15.00	17							
	11	Concrete in Valve Box	1	CY	7.70	9							
	12	Lumber (Cover & Screen)	1050	FBM	0.04	46							
	13	Excavation for Inlet&Outlet	40	CY	0.60	26							
	14	Concrete, Inlet & Outlet	24	"	7.70	203							
	15	Reinf. " " "	310	Lbs	0.05	18							
	16	Fittings & Pipe	1	Lot		65							
						<u>9806</u>	1	20	5	491	491		9315
7		TUNNELS (10-3177.5 Ft.)											
	1	Excav. Soft Rock (2 CY)	3177.5	L.ft	8.50	29710							
	2	" Hard " (1-1/2 CY)	1005	"	10.00	11055							
	3	Timbering R.R.W.	73	MBM	40.00	3212							
	4	Rubble Walls	1632	CY	5.00	8976							
	5	Rubble Arch& Spandrel Walls	259	"	6.00	1709							
	6	Concrete Paving & Wall	318	"	7.70	2694							
	7	Plastering 1" thick	45610	Sq.ft	0.07	3357							
	8	Backfill	100	CY	1.00	110							
	9	Concrete Slabs	256	Ea.	0.60	170							
						<u>60998</u>	27	50	2	1220	28058		32935
8		CONCRETE CONDUIT NO.1(1097'Long)											
	1	Excavation Disintg.Granite	1600	CY	0.35	616							
	2	Concrete	250	"	7.70	2118							
	3	Reinforcement(1"MeshGalv. Htg.)	1500	Lbs	0.05	83							

CITY OF SAN DIEGO

DIVISION TRANSMISSION

STRUCTURE _____

SHEET NO. 5 OF 12

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB-ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
8		<u>CONCRETE CONDUIT NO.1, Cont'd.</u>											
	4	Reinforcement Bars	1000	Lbs	0.05	55							
	5	Grouting Surface (2 coats)	14000	SqFt	0.001	154							
	6	10" Cement Drain Pipe	30	L.ft	0.25	9							
	7	8" " " "	80	" "	0.18	15							
	8	Wood Gates	2	Ea.	1.00	2							
	9	30 lb. Steel Rails 48 L.ft	480	Lbs	0.03	15							
	10	6" Std. Screw Pipe-2 pcs.	18	L.ft	0.73	14							
	11	8" Screw end Gate Valve	1	Ea.	26.00	29							
						<u>3110</u>	1	50	2	63	63		3047
9		<u>CONCRETE CONDUIT NO.2 (Square-250' long)</u>											
	1	Concrete	35	CY	7.70	297							
	2	Reinforcement (Triangular Mesh)	2000	Lbs	0.05	110							
	3	Bars & Braces	670	"	0.06	44							
						<u>451</u>	2	50	2	9	18		433
10		<u>CONCRETE CONDUIT NO. 3</u> <u>SEMICIRCULAR LINED WITH</u> <u>"GUNITITE" 212' LONG</u>											
	1	Cement Mortar in Shell & Braces	18	CY	13.50	267							
	2	Reinforcement (1" Galv. Mesh)	252	Lbs	0.05	14							
	3	" Bars	350	"	0.05	20							
	4	Roofing for Forms (2 ply)	20.2	Sqrs	2.70	61							
	5	Posts & Forms (New. O.P.)	674	FBM	0.04	30							
	6	" " " (2nd Hand R.W)	4113	"	0.03	135							
						<u>527</u>	1	50	2	10	10		517
11		<u>SOUTH FORK FEEDER</u> <u>DIVERTING DAM</u>											
	1	Concrete	4	CY	8.10	35							
	2	Wood Gates with Iron Yoke Stem & Hand Wheel	1	Ea	15.00	17							
	3	15" Riveted Steel Pipe #12 Ga.	8	L.ft	1.45	13							
	4	15" Gate Valve	1	Ea.	120.00	132							
	5	Lumber R.R.W. (Old Flume Lbr)	80	FBM	0.02	2							
						<u>199</u>	2	50	2	3	7		192

CITY OF SAN DIEGO

DIVISION TRANSMISSION

STRUCTURE _____

SHEET NO. 6 OF 12

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
11		<u>SOUTH FORK FEEDER, DIVERTING DAM, Cont'd.</u>											
		<u>Excavation</u>											
	6	Solid Rock	50	CY	1.25	69							
	7	Shattered Rock	345	"	1.00	380							
	8	Disintegrated Granite	2621	"	0.35	1009							
		Total items (6-8) inc.				1458	24	50	2	29	687		771
	9	2'x 4'x 144' R.R.W.	6100	FBM	0.045	303							
	10	Loose Rock Fill	25	CY	0.50	14							
	11	Tarring & Caulking	1010	L.ft	0.005	5							
		Total Items (9-11)incl.				322	24	34	3	9	211		111
		<u>Steel Flume (Semi-circular 3'2-1/2" Diam.Hess& Lemmon- Ingot)</u>											
	12	Iron & Toncan Metal	2500	L.ft	1.10	3025							
	13	Lumber- New R.O.P.	5300	FBM	0.04	233							
	14	" Sec.Hand R.O.P.	18500	"	0.03	610							
	15	Concrete Piers	10	CY	8.10	89							
	16	Plates,bolts,etc.(Act.\$106)	1	Lot	106.00	117							
		Total Items (12-16) incl.				4074	1	20	5	204	204		3870
		<u>Settling Box at Junction of Main Flume (7.3'x 6.25'outside x 4' (deep inside. Walls 8") (thick.Floor 10" thick.)</u>											
	17	Excav.Hard partly Disintegrated Granite. Shooting(Harrett)	5	CY	0.80	4							
	18	Concrete	5	"	8.10	45							
	19	Reinforcement Bars	75	lbs	0.05	4							

CITY OF SAN DIEGO

DIVISION TRANSMISSION

STRUCTURE _____

SHEET NO. 7 OF 12

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
11		<u>SOUTH FORK FEEDER, Cont'd</u>											
		<u>Settling Box at Junction of Steel Flume & 20" Pipe (22.5' x 9' outside. 8' deep) (inside. Walls 11", Floor 10")</u>											
	20	Excav.-Hard Dis.Granite-Shooting. (Harrett)	38	CY	0.80	33							
	21	Concrete	25	"	8.10	223							
	22	Reinforcement	300	Lbs	0.06	20							
	23	8" O.D.Casing	17	L.ft	0.95	18							
	24	8" Screw End Gate Valve	1	ea	30.00	33							
	25	Trench & backfill for Pipe 2.5' x 4' x 20'	7	CY	0.80	7							
		Total Items (17-25) incl.				387	New	50					387
		<u>20" Riveted Steel Pipe</u>											
	26	Trestles R.O.P. Sec.Hand	3400	FBM	0.02	75							
	27	20" R.S.Pipe #12 Gauge	2350	L.ft	1.45	3749							
	28	20" R.S.Elbows (Act \$76)	10	ea.	7.50	84							
	29	20" Gate Valve	1	"	200.00	220							
	30	20" Flanges & Bolts	4	"	16.00	70							
	31	Excav. & backfill for Pipe 2'x1'x2105' D.G.	156	CY	0.80	137							
		Total Items (26-31) incl.				4335	10	25	4	174	1738		2597
		<u>Gauging Station at Diverting Dam</u>											
	32	Rough Redwood Lumber	543	FBM	0.04	24							
	33	" Oregon Pine "	60	"	0.03	2							
	34	2-Ply Roofing	0.2	Sqrs	2.70	1							
	35	15" R.S.Pipe #14 Gauge	16	L.ft	1.12	20							
	36	Clearing	2	Ac.	20.00	44							
		Total Items (32-37) incl.				91	2	34	3	2	5		86
		Total Structures (1-11) incl.				711333				1285	484658		226675

CITY OF SAN DIEGO

DIVISION TRANSMISSION

STRUCTURE

SHEET NO. 8 OF 12

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
12		<u>SAND CREEK CEMENT SHED</u>											
	1	Lumber R.O.P.	1835	FBM	0.04	80							
	2	Prepared Roofing	244	SqFt	0.02	6							
	3	Screen Door	1	ea.	1.00	1							
						87	1	10	1	9	9		78
13		<u>SOUTH FORK COOK SHACK</u>											
	1	Lumber R.R.W.	4431	FBM	0.045	219							
	2	" R.O.P.	796	"	0.04	35							
	3	Tar Paper, 2 Ply	298	SqFt	0.027	9							
	4	Door & Windows	1	Lot	1.00	1							
	5	2 Ply Roofing	587	SqFt	0.027	174							
						438	2	20	5	22	44		394
14		<u>SECTION HOUSE AT CHOCOLATE</u>											
	1	Lumber R.R.W.	0.280	MBM	45.00	13							
	2	" R.O.P.	2.550	"	37.00	100							
	3	" S4S O.P.	0.027	"	41.00	2							
	4	" T & G, O.P.	0.630	"	43.00	30							
	5	Battens O.P.	620	L.ft	0.02	13							
	6	Shakes	0.862	M	20.00	19							
	7	Building Paper	8.04	Sqs	2.00	18							
	8	Prepared Roofing	2.25	"	3.00	8							
	9	Doors, Windows & Frames	1	Lot		50							
15		<u>CHOCOLATE TOOL SHED, ETC.</u>											
	1	Lumber R.R.W.	5.653	MBM	45.00	279							
	2	Shakes	0.259	M	20.00	5							
	3	Door	1	Ea.	3.00	3							
	4	30" Chicken Netting 1" Mesh	144	L.ft		2							
		Total Structures (14&15) incl.				542	26	35		16	400		142
16		<u>RESIDENCE AT LOS COCHES</u>											
	1	Lumber R.R.W.	1.040	MBM	45.10	52							
	2	O.G. Battens R.W.	668	L.ft	0.02	14							
	3	Shakes	1.850	M	20.00	41							
	4	R.O.P.	1.498	MBM	37.00	60							

CITY OF SAN DIEGO

DIVISION TRANSMISSION

STRUCTURE _____

SHEET NO. 9 OF 12

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES			
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD	
16		<u>RESIDENCE AT LOS COCHES, Cont'd.</u>												
	5	T & G, O.P.	3.846	MBM	43.00	182								
	6	Battens O.P.	348	L.ft	0.02	8								
	7	Tar Paper 2 Ply	1100	SqFt	0.03	36								
	8	Windows & Doors	1	Lot		75								
	9	Tile Chimney	1	ea.	15.00	16								
						484								
17		<u>LOS COCHES SHED & OUTHOUSES</u>												
	1	Lumber R.R.W.	8.419	MBM	45.10	419								
	2	" R.O.P.	0.609	"	37.00	25								
	3	Battens O.P.	566	L.ft	0.02	12								
	4	Shakes	1.100	M	20.00	24								
	5	Tar paper 2-Ply	784	SqFt	0.03	27								
	6	Hardware	1	Lot		13								
	7	Screen Doors	1	Ea.	2.50	3								
	8	Canvas	288	SqFt	0.05	25								
						548								
		Total Structures 16 & 17					1032	26	30		34	887		145
18		<u>LOS COCHES SECTION HOUSE</u>												
	1	Lumber R.R.W.	8.853	MBM	45.10	439								
	2	Shingles	3.4	M	5.30	20								
	3	Battens	748	L.ft	0.02	16								
	4	T & G, O.P.	0.420	MBM	43.00	20								
	5	Hardware	1	Lot		9								
	6	Doors	4	Ea	5.00	22								
						526	26	30		17	430		96	
19		<u>SECTION HOUSE NO. 5</u>												
	1	Lumber R.R.W.	1.382	MBM	45.10	68								
	2	" Surfaced R.W.	1.144	"	46.10	58								

CITY OF SAN DIEGO

DIVISION TRANSMISSION

STRUCTURE _____

SHEET NO. 10 OF 12

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
19		<u>SECTION HOUSE NO. 5, Cont'd</u>											
	3	Battens R.W.	540	L.ft	0.02	12							
	4	T & G, O.P.	0.660	MBM	43.00	31							
	5	Doors & Windows	1	Lot		30							
	6	Tar Paper 2-Ply	4.96	Sqs.	3.00	17							
20		<u>SHED & OUTHUSES</u>											
	1	Lumber R.R.W.	1.808	MBM	45.10	90							
	2	Lath	0.360	M	5.00	2							
		Total Structures 19 & 20				308	3	36		9	27		281

CITY OF SAN DIEGO

DIVISION TRANSMISSION

STRUCTURE MURRAY 36" SUPPLY LINE

SHEET NO. 11 OF 12

REPRODUCTION COST						DEPRECIATION				PRESENT VALUES			
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		36" REINFORCED CONCRETE PIPE LINE											
	1	Excav.-Earth & Gravel	186	CY	0.40	81							
	2	" Dis.Granite & Cobbles	590	"	0.60	389							
	3	" Cemented Gravel	987	"	1.00	1086							
	4	Railroad Crossing	1	Ea.	80.00	88							
	5	36" Reinf.Concrete Pipe	1948	L.ft	2.00	4286							
	6	Mass Concrete	20.9	CY	6.00	138							
	7	Concrete Collars	3	"	7.70	25							
	8	Air Valves, Manhole, etc.	1	Lot	39.00	43							
2		FOREBAY AT FLUME											
	9	Excavation-Cemented Gravel	20	CY	0.50	11							
	10	Concrete (Reinforced)	8	"	8.50	75							
3		DRAINAGE AT R. R. CROSSING											
	11	Excav.- 50% Cemented Grav.	86	CY	1.00	95							
	12	Rockfill in Trench	2	"	1.00	2							
	13	Lumber in Flume, R.R.W.	112	FBM	0.045	5							
	14	" " Drain, R.R.W. box	1100	"	0.045	55							
		Total Murray 36" Supply Line				6379	3	100	1	64	192		6187

CITY OF SAN DIEGO

DIVISION TRANSMISSION

STRUCTURE LA MESA DITCH LINE

SHEET NO. 12 OF 12

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
		DITCH (ORIGINAL)											
	1	Earth Excavation	3598	CY	0.30	1187							
	2	Excavation, Cem. Gravel	781	"	0.50	516							
	3	" Adobe	7812	"	0.35	3007							
	4	R.R.W. in Drop	0.921	MBM	45.00	45							
	5	R.R.W. in Wasteways	0.604	"	45.00	30							
	6	R.O.P. in Bridge	1.700	"	40.00	75							
		36" Wood Stave Syphon											
	7	Excav. Inlet & Outlet	11	CY	0.60	8							
	8	Concrete " " "	15.2	"	7.70	129							
	9	R.W. Pipe Saddles	138	Es	0.25	38							
	10	Concrete Piers	14.5	CY	7.70	123							
	11	R.O.P. Trestles	0.520	MBM	40.00	23							
	12	36" Wood Stave Pipe	1237	L.ft	2.55	3469							
	13	Priming Line	1	Lot	48.00	53							
		Total La Mesa Ditch Line				8703	20	25	4	348	6963		1740

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE WEBSTER RESERVOIR

SHEET NO. 1 OF 1

REPRODUCTION COST							DEPRECIATION				PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>EXCAVATION</u>											
	1	Hard Rock	59	CY	2.00	130							
	2	Disintegrated Granite	550	"	0.40	242							
	3	4" Standard Screw Pipe	30	L Ft	0.40	13							
	4	4" Gate Valve	1	Ea	685	8							
						<u>393</u>	2	100	1	3	7		386

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE CROSSMONT RESERVOIRS

SHEET NO. OF 3

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>RESERVOIR NO. 1</u>											
	1	Excav. 50% H.R. 50% D.G.	311	CY	1.00	342							
	2	Concrete-	54	"	7.70	459							
	3	Lumber R.R.W.	2.286	MBM	45.00	113							
	4	" R W S I S	0.193	"	50.00	11							
	5	Roofing Malthoid	11	Sqrs	2.70	33							
	6	Wire Screen Copper 1/16" mesh	42	SqFt	0.10	4							
	7	Supply Line	1	lot	4.00	4							
	8	Reinforcement Bars	600	lbs	0.04	26							
						<u>992</u>	5	100	1	10	49		945

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE CROSSBENT RESERVOIR

SHEET NO. 2 OF 3

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
2		<u>RESERVOIR No. 2.</u>											
	1	Excav. 50% H R 50% D.G.	284	CY	1.00	313							
	2	Concrete	58.8	"	7.70	499							
	3	Lumber R.R.W.	1.555	MBM	45.00	77							
	4	" R.W. S.I.S.	0.189	"	50.00	10							
	5	Roofing Malthoid	9	Sqrs	2.70	26							
	6	Wire Screen Copper	40	SqFt	0.10	4							
	7	Connection from discharge line to Reservoir No. 2	1	lot	11.50	13							
	8	Reinforcement Bars	600	lbs	0.04	26							
						<u>968</u>	4	100	1	10	40		928

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE GROSSMONT RESERVOIRS

SHEET NO. 3 OF 3

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
3		<u>RESERVOIR No. 3</u>											
	1	Excavation- 50% H.R 50% DG	334	CY	1.00	368							
	2	Concrete	55.6	"	7.70	472							
	3	Lumber R.R.W.	1.648	MBM	45.00	81							
	4	" R.W. S. 1 S	0.275	"	50.00	15							
	5	Roofing Malthoid	9.0	Sqrs	2.70	26							
	6	Wire Screens Cooper	42	SqFt	0.10	4							
	7	Connection from Discharge line to Reservoir No. 3	1	lot	100.00	110							
	8	3" Pipe from Reservoir No 3 to Grossmont Dist. System	1	"	27.00	30							
	9	Reinforcing Bars	600	Bars	0.04	26							
						<u>1132</u>	1	100	1	11	11		1121
4		<u>RESERVOIR NO. 4</u>											
	1	Excavation 50% H.R. 50% D.G.	506	CY	1.00	557							
	2	Concrete	76.7	"	7.70	650							
	3	Lumber R.R.W.	2.855	MBM	45.00	141							
	4	" R.W. S 1 S	0.110	"	50.00	7							
	5	" Eucalyptus Timber	1	lot	13.00	14							
	6	Roofing Malthoid	13	Sqrs	2.70	38							
	7	Wire Screen Copper	100	SqFt	0.10	11							
	8	2" Pipe from Reservoir to Atmosphere	1	lot	10.00	11							
	9	From Reservoir No. 4 to Grossmont Distrib. System	1	"	15.00	17.							
	10	Reinforcing Bars	600	lbs	0.04	26							
						<u>1472</u>	1	100	1	15	15		1457
		Total Grossmont Reservoirs				<u>4564</u>				46	115		4449

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE GROSSMONT PUMP STATION

SHEET NO. 1 OF 1

REPRODUCTION COST							DEPRECIATION				PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>PUMP HOUSE</u>											
	1	Lumber R.O.P	4.114	MBM	35.00	158							
	2	" R.R.W.	0.614	"	45.00	31							
	3	Battens 2" x 3" R.W.	1584	L Ft	0.01	18							
	4	Shingles	11.4	M	6.00	75							
	5	Painting	133	SqYd	0.15	22							
	6	Doors & Windows	1	lot	53.00	58							
	7	Hardware	1	"	1.00	1							
2		<u>MOTOR</u>											
	8	G E Co Relay Panel & Motor	1	ea	186.00	205							
	9	G E Co Starting compensator	1	"	61.00	67							
3		<u>PUMP</u>											
	10	Gould Triplex Vert. Pump Belted	1	"	589.00	648							
	11	Trans. Pulleys & Stands	1	lot	64.00	70							
	12	Drain fr. Dis. Pump fr. # of Pump Dis. to At.	1	"	1.00	1							
	13	Suction Line-forebay to pump	1	"	14.00	15							
	14	Dis. line from pump to Res	1	"	865.00	952							
						<u>2321</u>	5	20	5	116	577		1744

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE MILES RESERVOIR No. 1

SHEET NO. 1 OF 1

REPRODUCTION COST							DEPRECIATION				PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>DAM</u>											
	1	Stripping	416	CY	0.30	138							
	2	Embankment	6294	"	0.30	2077							
	3	Riprap 9" thick	15315	SqFt	0.05	843							
	4	6" Standard Pipe	175	lin"	0.80	154							
	5	6" Screw End Gate Valve	1	ea	15.00	16							
2		<u>INLET FLUME & DITCH</u>											
	1	Excavation Cemented Gravel	211	CY	0.60	140							
	2	Lumber R.W.	78	FBM	0.045	4							
3		<u>BRIDGE</u>											
	1	Rubble Masonary	12	CY	6.20	81							
	2	R O P Lumber	1520	FBM	0.03	51							
4		<u>SIGNS</u>											
	1	Sign	2	Ea	1.00	2							
5		<u>TREES & SHRUBS</u>											
	1	Trees & Shrubs	1	lot	25.00	16							
						3522	15	100	1	35	528		2994

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE MIDWAY PUMP STATION

SHEET NO. 1 OF 1

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1	<u>PUMP HOUSE</u>												
	1	Excavation Earth	5	CY	0.30	2							
	2	Concrete Foundation	2.2	"	7.70	19							
	3	Lumber R.R.W.	0.845	MBM	45.00	42							
	4	" R.O.P.	0.202	"	35.00	8							
	5	" R.W. S.3 S	1.564	"	50.00	86							
	6	" T & G D.B.Ceil R.W.1	246	"	50.00	68							
	7	" O G Battens	1144	L Ft	0.01	12							
	8	" R.W.Shingles	4.1	M	6.00	27							
	9	Doors & Windows	1	lot	36.00	40							
	10	Hardware	1	"	1.00	1							
11	Dry Rubble Wall	3	CY	2.75	9								
2	<u>MOTOR</u>												
	1	Westinghouse 10 HP Induction	1	ea	184.00	202							
2	" 15 H.P.Auto Starter	1	"	64.00	70								
3	<u>PUMP</u>												
	1	Goulds Vert.Trip.Plunger pump	1	lot	734.00	80%							
	2	Suction Line 4" W.I.	1	"	85.00	94							
	3	Disch.Line to Res.No. 2	1	"	527.00	580							
	4	Drain Pipe from Disch.Pipe to atmosphere, 1 1/2" line	1	"	4.00	4							
	5	From Disch. line to Gauge	1	"	7.00	8							
6	Pulleys & Transmission	1	"	63.00	69								
						2148	10	20	5	107	1074		1074

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE MILES RESERVOIR No. 2.

SHEET NO. 1 OF 1

REPRODUCTION COST							DEPRECIATION				PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>EMBANKMENT</u>											
	1	Excavation for embankment	1685	CY	0.50	927							
	2	Cobble Rip Rap 4" thick	3390	SqFt	0.03	112							
						<u>1039</u>	14	100	1	10	145		894

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE MURRAY RESERVOIR

SHEET NO. 1 OF 2

REPRODUCTION COST						DEPRECIATION				PRESENT VALUES			
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>DAM</u>											
	1	Stripping	1182	CY	0.11	143							
	2	Trench Excav. Earth & Gravel	90	"	0.33	33							
	3	" " Cemented "	200	"	0.66	145							
	4	Main Embankment	23934	"	0.29	7634							
	5	Clay Puddle	2669	"	0.44	1291							
	6	Riprap 9" thick	21780	Sqft	0.05	1198							
						<u>10444</u>							
2		<u>SPILLWAY</u>											
	1	Excavation-Cemented Gravel	291	CY	0.66	211							
	2	Backfill	60	"	0.25	17							
	3	36" Concrete Pipe	28	L Ft	2.00	62							
	4	Concrete	7.2	CY	7.00	55							
	5	Dry Cobble Paving	112	Sqft	0.03	5							
	6	Lumber in gates	0.030	MBM	30.00	1							
						<u>349</u>							
3		<u>GATE TOWER</u>											
	1	Excavation- Cemented Gravel	9	CY	0.66	6							
	2	Concrete	51	"	7.00	393							
	3	Lumber	0.075	MBM	30.00	2							
	4	Cast Iron Sluice Gates	2	ea	119.50	263							
						<u>664</u>							
4		<u>GATE TOWER BRIDGE</u>											
	1	Concrete piers	1.3	CY	10.00	14							
	2	Railing & Supports	1	lot	-	82							
	3	Structural Steel	1722	lbs	0.04	76							
	4	Rods, Bolts, etc.	42	"	0.06	3							
	5	Pipe Separators	15	ea	0.20	3							
	6	Corrugated Galv'd Iron	266	Sqft	0.14	41							
	7	Concrete in Bridge Floor	3.8	CY	16.00	62							
	8	Reinforcing mesh	230	Sqft	0.05	13							
						<u>294</u>							

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE MURRAY RESERVOIR

SHEET NO. 2 OF 2

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
5		<u>OUTLET & GATE HOUSE</u>											
	1	Excav. Earth, Gravel & Cement											
		Gravel	66	CY	0.66	48							
	2	20" Cast Iron Pipe	192	L. Ft	3.53	703							
	3	24" " " "	132	"	4.27	620							
	4	24" C.I. Ronsselaer Gate	1	Ea	240.00	264							
	5	20" " " "	1	"	170.00	187							
	6	2" Air Valve	1	"	8.50	9							
	7	Concrete around pipes	65.6	CY	7.00	505							
	8	50% Cobbles in 1:6 Cement Mortar	11.1	"	6.00	74							
	9	Lumber	0.708	MBM	30.00	23							
	10	R.W. Battens	240	L. Ft	0.02	6							
	11	2 ply roofing	1	Sqrs	5.00	6							
	12	Painting 1 coat	31	SqYds	0.15	6							
	13	Hardware	1	Lot	2.00	2							
						<u>2453</u>							
6	1	<u>RESERVOIR</u> Clearing	1	"	35.00	39							
		Total				14243	4	100	1	142	569		13674

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE MURRAY- EUCALYPTUS SYPHON

SHEET NO. 1 OF 1

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB-ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>24" Reinforced Concrete Pipe Line</u>											
	1	Excavation- Earth & Cobbles	616	C.Y	0.50	339							
	2	" Cemented Gravel	616	"	1.00	677							
	3	Embankment Under Pipe	970	"	0.30	320							
	4	Backfill	600	"	0.15	99							
	5	Railroad Crossing	1	Ea	17.00	19							
	6	Dry Rubble Wall	60	CY	2.75	181							
	7	24" Reinforced Concrete Pipe 30 to 60 ft head	5322	L Ft	1.45	8489							
	8	Concrete Collars	45	CY	7.70	382							
	9	36" Concrete Drain Pipe	18	Lin Ft	2.00	40							
	10	24" " " "	63	"	1.45	100							
	11	Air Valves, Blowoffs, Manholes	1	Lot	121.00	133							
2	2	<u>Tunnel</u>											
	1	Excav. Cem Gravel, Open Cut	98	CY	0.50	54							
		" " " Tunnel	728	L Ft	2.50	2002							
						<u>12835</u>	3	100	1	128	386		12449

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE EUCALYPTUS RESERVOIR

SHEET NO. 1 OF 5

REPRODUCTION COST						DEPRECIATION				PRESENT VALUES			
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>DAM</u>											
	1	Stripping	591	CY	0.22	143							
	2	Excavation, Earth & Gravel	326	"	0.33	119							
	3	Main Embankment	5038	"	0.33	1829							
	4	Puddle	1964	"	1.10	2376							
	5	Riprap 15" Thick	10530	SqFt	0.10	1158							
						<u>5625</u>							
2		<u>OUTLET</u>											
	1	Excav. Cemented Gravel	105	CY	0.66	76							
	2	Concrete	99	"	7.00	762							
	3	R S Pipe No 12 G 20"	112	L Ft	1.45	178							
						<u>1016</u>							
3		<u>BRIDGE TO TOWER</u>											
	1	Rough Redwood Lumber	0.600	MBM	40.00	26							
	2	Iron	45	lbs	0.06	3							
	3	Painting	1	lot	-	9							
						<u>38</u>							
4		<u>GATE TOWER</u>											
	1	Excavation- Cemented Gravel	25	CY	0.66	19							
	2	Rough Rubble Masonry	25	"	5.00	137							
	3	Brick work	13	M	23.00	329							
	4	Plastering	750	SqFt	0.10	82							
	5	Rough Redwood Lumber	0.145	MBM	40.00	7							
	6	Bolts & Nuts	15	lbs	0.06	1							
						<u>575</u>							
5		<u>WASTE DITCH</u>											
	1	Excavation- Earth & Gravel	87	CY	0.33	32							
	2	" Cemented Gravel	119	"	0.66	87							
	3	Riprap 9" Plastered	126	SqFt	0.10	14							
	4	Concrete in Old Gates	4	CY	7.00	31							
	5	15" R S Pipe No 14	150	L Ft	1.00	165							
						<u>329</u>							

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE EUCALYPTUS RESERVOIR

SHEET NO. 2 OF 5

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROBABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
6		<u>BRIDGES AT NORTH END OF DAM</u>											
	1	Lumber R O P	1.405	MBM	35.00	54							
	2	Whitewash	2	lots		1							
	3	Rubble Masonry	4	CY	4.50	20							
						<u>75</u>							
		Total Structure 1-6 inc.				7659	23	100	1	77	1761		5898
7		<u>SUPERINTENDENT'S RESIDENCE</u>											
	1	Lumber R O P	5.262	MBM	37.00	215							
	2	" O P Flooring	0.773	"	43.00	36							
	3	" S 4 S O P	0.106	"	41.00	4							
	4	" S 4 S R W	1.513	"	50.00	73							
	5	" Rustic R W	0.276	"	55.00	16							
	6	" T & G Ceil Beaded O P	0.691	"	57.00	43							
	7	" " Ceil beaded R W	0.048	"	57.00	3							
	8	" R W Battens 1/2"x3"	352	L Ft	0.02	8							
	9	" Moulding	220	"	0.02	2							
	10	Millwork	1	lot	-	4							
	11	Whitewash	125	SqYds	0.05	7							
	12	Interior Painting	111	"	0.23	29							
	13	Wall paper	1900	SqFt	0.015	32							
	14	Roofing	256	"	0.035	10							
	15	Shingles	5	M	5.30	30							
	16	Shakes	0.430	M	20.00	10							
	17	Doors, Windows, Etc.	1	lot	0	98							
	18	Plumbing, Hardware Etc.	1	"	-	232							
	19	Concrete Walk 3" Thick	72	SqFt	0.15	12							
	20	3" Drain Pipe	1	Lot	81.00	89							
	21	R.R.W. in cess pool	0.416	MBM	45.10	21							
	22	Excav. Earth & Gravel Cesspool	8	CY	0.35	3							
						<u>977</u>							

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE EUCALYPTUS RESERVOIR

SHEET NO. 3 OF 5

REPRODUCTION COST						DEPRECIATION				PRESENT VALUES			
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
8		<u>OUTHOUSES</u>											
	1	Rough Redwood	0.616	MBM	45.00	31							
	2	R.W. Battens	986	L Ft	0.02	22							
	3	Lattice	1040	"	0.01	11							
	4	Whitewash	2	lots	-	1							
						<u>65</u>							
9		<u>FENCE</u>											
	1	R.R.W. Posts & Stringers	0.603	MBM	45.00	30							
	2	Pickets- 0 P 1/2" x 1 1/2" S4s	900	Ea	0.05	49							
	3	Hardware	1	lot	-	2							
						<u>81</u>							
10		<u>RESIDENCE- KEMPER'S ASSISTANT</u>											
	1	Lumber R O P	0.502	MBM	37.00	21							
	2	" R R W	2.106	"	45.00	104							
	3	T & G Flooring O P	0.713	"	43.00	34							
	4	" Interior	0.468	"	57.00	30							
	5	R W Battens 1/2" x 3"	0.872	L Ft	0.02	19							
	6	Shakes	0.600	M	20.00	13							
	7	Tar Paper	2.8	Sqrs	3.00	9							
	8	Burlap	65	SqYd	0.60	43							
	9	Doors & Windows	1	lot	-	48							
	10	Hardware	1	"	-	9							
	11	Drain Pipe 2"	1	ea.	-	46							
						<u>376</u>							
11		<u>OUTHOUSES</u>											
	1	Lumber R.R.W.	0.194	MBM	45.00	10							
	2	T & G Flooring O P	0.014	"	43.00	1							
	3	Shingles	0.315	M	5.30	2							
	4	Hardware	1	lot	-	1							
						<u>14</u>							
12		<u>FENCE</u>											
	1	R R W Posts & Stringers	0.178	MBM	45.00	9							
	2	Barbed Wire	140	L Ft	0.01	1							
						<u>10</u>							

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE EUCALYPTUS RESERVOIR

SHEET NO. 4 OF 5

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
13		<u>WORK SHED</u>											
	1	Lumber R R W	2.539	MBM	45.00	125							
	2	" R O P	0.777	"	37.00	32							
	3	R W Battens 1/2" x 1 1/2"	2332	L Ft	0.015	39							
	4	Lumber-Pipe Stave Siding 2" x 6" x 8"	240	Ea	0.15	40							
	5	Roofing	11	Sqrs	3.00	36							
	6	Hardware	1	lot	-	2							
						<u>274</u>							
14		<u>TOOL SHED</u>											
	1	R R W Lumber	1.848	MBM	45.00	91							
	2	Tar Paper	3.6	Sqrs	3.00	12							
	3	Hardware	1	lot	-	1							
						<u>104</u>							
15		<u>BARN</u>											
	1	R R W Lumber	5.051	MBM	45.00	250							
	2	R O P "	0.856	"	37.00	35							
	3	S 4 S R W Lumber	0.120	"	50.00	7							
	4	Shakes	2.4	M	20.00	53							
	5	Whitewash	1	lot	-	5							
						<u>350</u>							
16		<u>TANK TOWER</u>											
	1	Lumber R O P	0.074	MBM	37.00	3							
	2	" R R W	0.490	"	45.00	24							
	3	Whitewash	1	lot	-	2							
	4	Tank- Galvd. 500 gal	1	ea	8.25	9							
						<u>38</u>							
17		<u>WINDMILL TOWER</u>											
	1	Lumber R O P	0.236	MBM	37.00	10							
	2	" R R W	0.399	"	45.00	20							
	3	Whitewash	1	lot	-	2							
	4	Windmill	1	ea	175.00	192							
						<u>224</u>							

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE EUCALYPTUS RESERVOIR

SHEET NO. 6 OF 5

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES			
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD	
18		<u>PUMP HOUSE</u>												
	1	Lumber R O P	0.300	MBM	37.00	12								
	2	Corrug. Galvd. Iron 22 Ga.	2	Sqrs	6.00	13								
	3	Hardware	1	lot	-	2								
						<u>27</u>								
19		<u>PUMP GAS ENGINE & PIPING</u>												
	1	Engine	1	ea	94.00	104								
	2	Pump & Suction Line	1	"	66.00	73								
	3	2" Discharge Pipe & fittings	1	lot	51.00	54								
	4	Supply Pipe to House	1	"	26.00	28								
	5	" " " Garden	1	"	16.00	18								
	6	1" Pipe & Fittings	1	"	12.00	13								
						<u>270</u>								
		Total Structures (7-19) inc.				2812	12	25	4	112	1347		1465	
20		<u>TREES & SHRUBS</u>												
	1	Lawn Trees & Shrubs Etc.	Included in Real Estate Values.											
		Grand Total Eucalyptus Reservoir				10471				189	5108		7363	

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE LA MESA RESERVOIR

SHEET NO. 1 OF 3

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>DAM</u>											
	1	Stripping-Earth & Gravel	1460	CY	0.22	358							
	2	Center Trench.Exc/Cem.Grav.	397	"	0.66	288							
	3	" " " Solid Rock	275	"	2.20	666							
	4	Trench at toe,Exc.Earth &Gravel	69	"	0.30	28							
	5	Trench at toe,Cem.Gravel	199	"	0.66	144							
	6	" " " Solid Rock	56	"	2.20	135							
	7	Main Embankment-) Ground Sluiced)	40906	"	0.20	8999							
	8	Concrete in toe Wall	325	"	6.00	2145							
	9	Cobble Riprap-6" thick	44824	SqFt	0.04	1972							
	10	Dry Rubble Wall	14	CY	3.50	54							
	11	Ashphalt (?)	24953	SqFt	0.02	549							
						<u>15328</u>							
2		<u>OUTLET</u>											
	1	Excav.- Solid Rock	40	CY	2.20	97							
	2	Concrete in Conduit	252	"	12.00	332							
	3	" Wells	18.6	"	12.00	245							
	4	Cement Grout in Gate Wells	6.4	"	15.00	106							
	5	Concrete in Pipe Piers	11	"	10.00	121							
	6	" Around Third Well	5	"	12.00	66							
	7	24" Cast Iron Pipe	168	L.ft	4.27	789							
	8	Cast Iron Brass Faced Flap Gates,Stems& Braces	2	Ea	12.00	26							
	9	24" Vitrified Pipe	90	L.ft	1.60	15							
	10	Well Sections, R.S.	28	Ea	2.50	68							
	11	Well Screen	3	"	2.50	8							
	12	20" No.14 Ga. R.S.Pipe	90	L.ft	0.90	89							
	13	C.I.Blind Flanges	1	Ea	2.70	3							
						<u>1960</u>							
3		<u>SPILLWAY</u>											
	1	Excavation-Earth& Gravel	102	CY	0.30	34							

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE LA MESA RESERVOIR

SHEET NO. 2 OF 3

STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPRODUCTION COST					DEPRECIATION					PRESENT VALUES	
						REPROD. COST	AGE IN YEARS	PROB-ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD				
3		<u>SPILLWAY, Cont'd</u>															
	2	Excav. Cemented Gravel	914	CY	0.66	664											
	3	Backfill	2	"	0.10												
	4	Concrete	4.5	"	7.00	35											
	5	R.R.W. Lumber	0.931	MBM	45.10	46											
	6	Iron Work - 370 lbs.	1	Lot	0.08	33											
	7	Painting -- 1 coat	1	"	2.00	2											
	8	1/2" Mesh. Galv. Wire Screen 30" wide	30	L.ft	0.07	2											
	9	R.O.P. Bridge	3.063	MBM	37.00	124											
						940											
		Total Structures (1-3) incl.				18229	20	100	1	183	3645					14584	
4		<u>METEOROLOGICAL INSTRUMENTS.</u>															
	1	Evaporating Pan	1	Ea	29.00	32											
	2	Rain Gauge	1	"	5.00	6											
	3	Max. & Min. Thermometer	1	"	8.25	9											
						47	2	20	5	2	5					42	
5		<u>KEEPER'S DWELLING</u>															
	1	Lumber R.O.P.	3.121	MBM	37.00	127											
	2	Windows 3'x3' - 6 light	4	Ea	3.50	15											
	3	Doors 2'6" x 6'8"	3	"	5.00	16											
	4	Screen Doors	2	"	2.50	5											
	5	T. C. Chimney - 3 lengths	1	"		2											
	6	Canvas	160	Sq.ft	0.05	9											
	7	R.W. Battens 1/2" x 3"	1192	L.ft	0.02	26											
	8	Galv. Corrugated Iron (net)	880	Lbs.	0.06	58											
	9	Hardware	1	Lot		5											
	10	Water Supply & Plumbing	1	"		63											
	11	Painting - 1 coat	112	SqYds	0.23	29											
	12	Shingles	2.7	M	5.30	15											
	13	Trees & Shrubs (\$20. Agreed)	1	Lot		22											
						394											

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE LA MESA RESERVOIR

SHEET NO. 3 OF 3

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
6		<u>OUTHOUSE</u>											
	1	Lumber R.O.P.	0.244	MBM	50.00	13							
	2	Shakes	0.05	"	20.00	1							
						14							
7		<u>CHICKEN HOUSE-ALSO BARN</u>											
	1	Lumber R.W.	1.062	MBM	45.00	53							
	2	Galvd. Iron(Old Roof) No.20Ga.108	SqFt	0.04		4							
	3	Hardware (\$1.00 agreed)	1	Lot		1							
	4	Paint	105	SqYd	0.23	26							
						84							
8		<u>BLACKSMITH SHED</u>											
	1	Lumber R.R.W.	0.223	MBM	45.00	11							
	2	Galv.Iron, 20 Ga. (Old)	168	SqFt	0.04	8							
						19							
9		<u>CHICKEN YARD</u>											
	1	Posts & Wire (\$15.Agreed)	1	Lot		15							
		Total Structures (5-9) incl.				528	20	25	4	21	418		110
		TOTAL LASMESA RESERVOIR				18804				206	4068		14736

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE LA MESA DAM PUMP PLANT

SHEET NO. 1 OF 1

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		PUMP HOUSE											
	1	Excav. 50% Boulders	8	CY	0.50	4							
	2	Concrete Floor 6" thick	26	"	7.70	220							
	3	Pump & Engine Found. Concrete	2.5	"	7.70	21							
	4	Lumber R.R.W.	128	FBM	0.045	7							
	5	" R.O.P.	247	"	0.035	10							
	6	Windows	1	Ea	2.50	3							
	7	Painting	98	SqYd	0.15	17							
	8	Galvd. Corrugated Iron No. 22 Ga.	816	SqFt	0.06	54							
	9	Hardware	1	Lot	1.00	1							
2		GAS ENGINE											
	1	Otto Gas Engine 15 HP	1	Ea.	750.00	825							
	2	Gasoline Tank & Piping	1	Lot	7.00	8							
	3	Cooling line for Engine	1	"	1.00	1							
	4	Circulating Water Discharge	1	"	1.00	1							
	5	Gasoline Supply Line	1	"	30.00	33							
3		PUMP											
	1	7" Cent. Single Stage Krough Pump	1	Ea.	248.00	273							
	2	Discharge Line	1	Lot	330.00	363							
	3	Suction Line	1	"	344.00	378							
	4	Gauges & Fittings	1	"	45.00	49							
		Total LaMesa Dam Pump Plant				<u>2268</u>	10	20	5	113	1135		1135

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE LA MESA PIPE LINE

SHEET NO. 1 OF 1

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>LA MESA PIPE LINE</u>											
	1	Excavation-Earth & Gravel	267	CY	0.50	147							
	2	" Cemented Gravel	33	"	1.00	36							
	3	" Adobe	1102	"	0.60	727							
	4	" SolidRock-25% Shot	458	"	1.50	756							
	5	Backfill	255	"	0.15	42							
	6	Dry Rubble Wall	213	"	2.75	645							
	7	R.O.P. Trestles	0.557	MBM	40.00	24							
	8	Saddles R.W.	754	Ea.	0.25	208							
	9	24" Wood Stave Pipe	5935	L.ft	1.46	9531							
	10	C.I.Pipe B&S 20" Class"B"	12	"	4.00	53							
	11	C.I.Bumped Head	1	Ea.	7.50	9							
	12	C.I.Tee 24"	1	"	56.00	62							
	13	Riveted Iron 1/8 Ell	1	"	17.00	18							
	14	Air Valves	4	"	10.00	44							
	15	Meters & Services	1	Lot	39.00	153							
	16	El Cajon Ave. Crossing	1	Ea.	20.00	22							
		Total				12477	18	25	4	499	8983		3494

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE LA MESA PUMP STATION (NO. 1)

SHEET NO. 1 OF 2

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		PUMP HOUSE											
	1	Excavation - Adobe	11	CY	0.35	4							
	2	Concrete	8	"	7.70	68							
	3	Lumber - R.O.P.	0.594	MBM	40.00	26							
	4	" R.R.W.	1.054	"	45.00	52							
	5	Redwood Battens	812	L.ft	0.01	9							
	6	4" Crown Mould	60	"	0.01	1							
	7	Shingles	3.5	M	6.00	23							
	8	Paint	170	SqYd	0.30	56							
	9	Doors, Windows, etc.	1	Lot	25.00	28							
						<u>267</u>	1	20	5	13	13		254
2		MOTOR											
	1	G.E. Induction Motor 150 HP	1	Ea.	1060.	1166							
	2	Switch bet. Transformer & Starter	1	"	50.	55							
	3	Automatic Contact & Contr. 125 HP	1	"	544	598							
						<u>1819</u>	1	20	5	91	91		1728
3		PUMP											
	1	2 Stage 7" Centrif. Byron-Jackson	1	Ea.	737.00	811							
	2	20" Vertical Dischg. Chamber	1	Lot	131.00	144							
	3	Priming Line-Disch. Chamber to Pump	1	"	3.40	4							
	4	Electric Gauge Line	1	"	7.70	9							
	5	Discharge Line-Pump to Air Chamber	1	Lot	28.90	32							
	6	Bolter C.I. Saddle on Air Chamber	1	"	5.00	5							
	7	Bolts & Gaskets	1	"	2.50	3							
	8	Valves	1	"	88.00	97							
	9	Vacuum Gauge & Connections	1	"	16.00	18							
						<u>1123</u>	1	20	5	56	56		1067

CITY OF SAN DIEGO

DIVISION DISTRIBUTION

STRUCTURE LA MESA PUMP STATION (NO. 1)

SHEET NO. 2 OF 2

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB-ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
4		CONNECTIONS WITH LA MESA PIPE LINE & EL CAJON AVE. PIPE LINES											
	1	Suction Pipe & Fittings	1	Lot	1330	1463							
	2	Discharge " " "	1	"	503	553							
						<u>2016</u>	1	20	5	101	101		1915
5		STORE HOUSE (OLD PUMP HOUSE)											
	1	Lumber R.R.W.	1382	FBM	0.04	61							
	2	Redwood Battens	558	L.ft	0.01	7							
	3	Shingles	1.8	M	10.00	20							
	4	1 Ply Roofing	1.6	Sqs	2.70	4							
	5	Doors & Windows	1	Lot	12.50	14							
	6	Painting	59	SqYd	0.30	20							
	7	Hardware	1	Lot	1.00	1							
						<u>127</u>	9	20	5	7	60		67
6		VALVE BOXES											
	1	Manhole covers, etc.	1	Lot		31	9	20	5	1	15		16
		GRAND TOTAL				5383				269	336		5047

CITY OF SAN DIEGO

DIVISION DISTRIBUTING MAINS

STRUCTURE DISTRIBUTION MAINS

SHEET NO. 1 OF 4

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		DISTRIBUTION MAINS											
	1	3/4" Std. Screw Pipe, 1914	120	L.ft	0.10	13	1	20	5	0.66	0.66		
	2	3/4" " " " 1914-80%	80	"	0.10	9	5	20	5	0.44	2.20		
	3	3/4" " " " 1900	800	"	0.10	88	15	20	5	4.40	66.00		
		Total Items (1-3) Incl.	1000	"	0.10	110					68.86		41.14
	4	1" Std. Screw Pipe 1914-100%	656	L.ft	0.12	86.60	1	20	5	4.33	4.33		
	5	1" " " " 1913-100%	2055	"	0.12	271.26	2	20	5	13.56	27.13		
	6	1" " " " 1913-80%	780	"	0.12	102.96	6	20	5	5.15	30.89		
	7	1" " " " 1913-75%	868	"	0.12	114.58	7	20	5	5.73	40.12		
	8	1" " " " 1913-50%	375	"	0.12	49.50	12	20	5	2.48	29.70		
	9	1" " " " 1913-40%	460	"	0.12	60.72	10	20	5	3.04	30.36		
	10	1" " " " 1912	1185	"	0.12	156.42	3	20	5	7.82	23.46		
	11	1" " " " 1911	576	"	0.12	76.03	4	20	5	3.81	15.22		
	12	1" " " " 1910	902	"	0.12	119.06	5	20	5	5.95	29.76		
	13	1" " " " 1900	231	"	0.12	30.49	15	20	5	1.53	22.94		
		Total Items (4-13) Incl.	8808	"	0.12	1067.62					253.91		813.71
	14	1-1/4" Std. Screw Pipe, 1906	890	L.ft	0.14	137.06	9	20	5	6.85	61.68		75.38
	15	1-1/2" Std. Screw Pipe, 1914											
		75%	750	"	0.16	132.00	6	20	5	6.60	39.60		
	16	1-1/2" " " " 1914-50%	1185	"	0.16	208.56	11	20	5	10.43	114.70		
	17	1-1/2" " " " 1910	519	"	0.16	91.34	5	20	5	4.57	22.83		
		Total Items (15-17) Incl.	2454	"	0.16	431.90					177.13		254.77
	18	2" Std. Screw Pipe, 1915	5532	"	0.20	1217.04	20	20	5	60.85			
	19	2" " " " 1914	2366	"	0.20	520.52	1	20	5	26.03	26.03		
	20	2" " " " 1914-85%	1030	"	0.20	226.60	4	20	5	11.33	45.32		
	21	2" " " " 1914-75%	760	"	0.20	167.20	6	20	5	8.36	50.16		
	22	2" " " " 1914-50%	7222	"	0.20	1588.84	11	20	5	79.43	873.74		
	23	2" " " " 1913	34595	"	0.20	7610.90	2	20	5	380.55	761.09		
	24	2" " " " 1913-95%	377	"	0.20	82.94	3	20	5	4.15	12.44		
	25	2" " " " 1913-90%	2885	"	0.20	634.70	4	20	5	31.74	126.94		
	26	2" " " " 1913-85%	1806	"	0.20	397.32	5	20	5	19.86	99.33		
	27	2" " " " 1913-75%	340	"	0.20	52.80	7	20	5	2.64	18.48		

CITY OF SAN DIEGO

DIVISION DISTRIBUTING MAINS

STRUCTURE DISTRIBUTION MAINS

SHEET NO. 2 OF 4

REPRODUCTION COST							DEPRECIATION					PRESENT VALUES	
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		DISTRIBUTION MAINS, CONT'D											
28	2"	Std.Screw Pipe, 1913-65%	930	L.ft	0.20	204.60	9	20	5	10.23	92.07		
29	2"	" " " 1913-50%	4250	"	0.20	935.00	12	20	5	46.75	561.00		
30	2"	" " " 1913-01a	2020	"	0.20	444.40	12	20	5	22.22	266.64		
31	2"	" " " 1912	10408	"	0.20	2189.76	3	20	5	114.48	343.46		
32	2"	" " " 1912-85%	490	"	0.20	107.80	6	20	5	5.39	32.34		
33	2"	" " " 1912-80%	2135	"	0.20	469.70	7	20	5	23.49	164.40		
34	2"	" " " 1912-40%	200	"	0.20	44.00	15	20	5	2.20	33.00		
35	2"	" " " 1912-01a	630	"	0.20	132.60	13	20	5	6.93	90.09		
36	2"	" " " 1911	2620	"	0.20	576.40	4	20	5	28.82	115.28		
37	2"	" " " 1910	332	"	0.20	73.04	5	20	5	3.65	18.26		
38	2"	" " " 1909	1102	"	0.20	242.44	6	20	5	12.12	72.73		
39	2"	" " " 1908	2880	"	0.20	633.60	7	20	5	31.68	221.76		
40	2"	" " " 1905	855	"	0.20	188.10	10	20	5	9.40	94.05		
41	2"	" " " 1900	930	"	0.20	204.60	15	20	5	10.23	153.45		
		Total Items (18-41) Incl.	86595	"	0.20	19050.90					4272.06	14778.84	
42	2"	Std.Dipped 1914-New	1219	L.ft	0.21	281.59	1	25	4	11.25	11.25		
43	2"	" " " 1913	21	"	0.21	4.85	2	25	4	.20	.40		
		Total Items, 42&43	1240	"	0.21	286.44					11.65	274.79	
44	3"	Std.Screw Pipe 1913	7112	L.ft	0.35	2738.12	2	20	5	136.91	273.81		
45	3"	" " " 1913-01a	1056	"	0.35	406.56	12	20	5	20.33	243.94		
46	3"	" " " 1912-New	4685	"	0.35	1803.72	3	20	5	90.19	270.57		
47	3"	" " " 1910	320	"	0.35	123.20	5	20	5	6.16	31.80		
48	3"	" " " 1908	364	"	0.35	140.14	7	20	5	6.95	48.66		
		Total Items (44-48) Incl.	13537	"	0.35	5211.74					867.78	4343.96	
49	3"	Casing 1912-40%	300	L.ft	0.32	105.60	15	15	6-2/3	7.04	105.60		
50	3"	" " " 1910	1443	"	0.32	507.93	5	15	"	33.86	169.29		
51	3"	" " " 1905	2350	"	0.32	827.20	10	15	"	55.14	551.43		
		Total Items (49-51) Incl.	4093	"	0.32	1440.73					826.32	614.41	

CITY OF SAN DIEGO

DIVISION DISTRIBUTING MAINS

STRUCTURE DISTRIBUTION MAINS

SHEET NO. 8 OF 7

REPRODUCTION COST							DEPRECIATION					PRESENT VALUES	
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		DISTRIBUTION MAINS, Cont'd.											
	52	4" Std. Screw Pipe, 1913	970	L.ft	0.47	501.49	2	20	5	25.08	50.16		
	53	4" " " " 1911	926	"	0.47	478.74	4	20	5	23.94	94.91		
	54	4" " " " 1911-95%	330	"	0.47	170.61	5	20	5	8.53	42.63		
	55	4" " " " 1900	250	"	0.47	129.25	15	20	5	6.47	97.02		
		Total Items (52-55) Incl.	2476	"	0.47	1276.57					283.89		992.68
	56	4" Riveted Steel Pipe, 1908	2230	"	0.36	885.59	7	20	5	44.11	309.60		575.99
	57	4" C.I. Pipe 1913	1712	"	0.60	1129.92	2	50	2	22.59	45.19		1084.73
	58	4" Casing 1906	2390	"	0.36	946.44	9	15	6-2/3	63.10	567.87		
	59	4" " " 1905	680	"	0.36	269.28	10	15	"	18.15	181.50		
		Total Items 58 & 59	3070	"	0.36	1215.72					749.37		466.35
	60	6" Riveted Steel Pipe-1908	957	"	0.47	494.77	7	15	"	32.98	230.85		265.02
	61	6" Casing 1908	400	"	0.58	255.20	7	15	"	17.00	119.05		136.15
	62	6" C.I. Pipe 1913	7554	"	0.67	7228.85	2	50	2	144.57	289.15		6939.70
	63	8" R.S. Pipe 1912-60%	300	"	0.66	217.80	11	15	6-2/3	14.52	159.72		
	64	8" " " 1908	5000	"	0.66	3630.00	7	15	"	242.00	1694.00		
		Total Items 63 & 64	5300	"	0.66	3847.80					1853.72		1994.08
	65	8" Wood Stave Pipe, 1901	7325	"	0.56	4512.20	14	20	5	225.61	3158.54		1353.66
	66	10" Casing 1910	350	"	1.28	492.80	5	20	5	24.64	123.20		369.60
	67	11" " " 1910	339	"	1.53	570.54	5	20	5	28.52	142.62		427.92
	68	12" " " 1914	795	"	1.77	1547.87	1	20	5	77.89	77.39		
	69	12" " " 1910	2050	"	1.77	3991.35	5	20	5	199.56	997.81		
		Total Items 68 & 69	2845	"	1.77	5539.22					1075.20		4464.02

CITY OF SAN DIEGO

DIVISION DISTRIBUTING MAINS

STRUCTURE DISTRIBUTION MAINS

SHEET NO. 4 OF 4

REPRODUCTION COST							DEPRECIATION				PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>DISTRIBUTION MAINS, Cont'd</u>											
	70	12" Converse 1914	1505	L.ft	1.87	3095.78	1	25	4	123.85	123.85		2971.95
	71	14" R.S.Pipe 1914	15918	"	1.06	18560.39	1	20	5	928.02	928.02		17632.37
	72	15" Concrete Pipe 1910	850	"	0.72	673.20	5	50	2	13.46	67.32		605.88
	73	15" R.S.Pipe 1889	5937	"	1.10	7183.77	26	263.85	5	275.47	7183.77		
	74	16" R.S.Pipe 1914	23306	"	1.14	29225.72	1	20	5	1461.28	1461.28		27764.44
	75	20" No.12 Ga. RS Pipe, 1905	54115	"	1.71	26550.31	10	25	4	1062.01	10620.06		15930.25
	76	20" " " " " 1905 Old	2600	"	1.71	4890.60	22	25	4	195.62	4305.73		586.87
	77	Interchange at Eucalyptus Dam	1	Lot		161.15	18	25	4	6.45	115.92		45.23
	78	Fittings & Services on ElCajon Av. Line-Surge Pipe	1	"		965.80	3	20	5	48.29	144.87		820.93
	79	Trestles R.R.W.	2.534	MBM	37.00	103.13	3	20	5	5.16	15.48		87.65
	80	Connections with City of SD.	1	Lot		369.60	1	25	4	14.79	14.79		354.81
	81	Valves	1	"	3143	3457.30	2	20	5	172.87	345.73		3111.57
	82	Worthington 5/8" Meters	87	Ea.	6.75	645.97	2	20	5	32.30	64.59		581.38
	83	Nash 5/8" "	95	"	6.50	679.25	2	20	5	33.96	67.93		614.32
	84	Trident 5/8" "	94	"	8.40	868.56	2	20	5	43.43	86.86		781.70
	85	" 1" "	2	"	20.00	44.00	2	20	5	2.20	4.40		39.60
	86	Services	1	Lot	960.00	1056.00	2	20	5	52.80	105.60		950.40
	87	Hydrants	1	"	464.00	510.40	2	20	5	25.52	51.04		459.31
		Total Distribution Mains				154,226				7124	40,625		113,605

CITY OF SAN DIEGO

DIVISION MISCELLANEOUS

STRUCTURE OLD MISSION DAM-CABLE MEASURING STATION

SHEET NO. 1 OF 1

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		<u>MEASURING STATION</u>											
	1	5/8" Wire Cable	175	L.ft	0.06	12							
	2	Std. Car & Hangers	1	Ea.	20.00	22							
	3	Erecting	1	Lot	100.00	110							
						<u>144</u>	3	25	4	6	16		128

CITY OF SAN DIEGO

DIVISION MISCELLANEOUS

STRUCTURE TELEPHONE LINES

SHEET NO. 1 OF 1

REPRODUCTION COST						DEPRECIATION				PRESENT VALUES			
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
		<u>POLES, WIRES, ETC.</u>											
	1	R.R.W.Poles in Ground	661	Ea.	1.50	1091							
	2	R.R.W.Poles on Flume	397	"	0.60	262							
	3	R.O.P.Poles on Flume	854	"	0.45	422							
	4	Split Poles in Ground	236	"	0.50	130							
	5	Brackets	4.332	M	18.50	88							
	6	Insulators	4.332	M	22.00	105							
	7	#14 Galvd. Wire	563480	L.ft	0.001	619							
	8	#12 " "	4200	"	0.002	4							
						<u>2721</u>	1	30	3-1/3	91	91		2630

CITY OF SAN DIEGO

DIVISION _____ COLLECTION _____

STRUCTURE _____ MONTE PUMP PLANT _____

SHEET NO. 1 OF 10

REPRODUCTION COST							DEPRECIATION				PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
1		PUMP BUILDING											
	1	Excavation-Earth	144	CY	0.30	47							
	2	" Dis.Granite	334	"	0.35	128							
	3	Concrete 6" thick	1600	SqFt	0.15	264							
	4	Concrete	104.9	CY	7.70	889							
	5	Lumber R.O.P.	4787	FBM	0.04	210							
	6	" R.R.W.	4394	"	0.045	218							
	7	" S3S R.W.	558	"	0.05	31							
	8	Redwood Battens	3630	L ft	0.01	40							
	9	Oak Lumber	166	FBM	0.05	9							
	10	Doors, Windows, etc.	1	lot	50.00	55							
	11	Roof, No.24 Corrugat.Galv. Iron	35	Sqs	10.00	385							
	12	Gutters & Downspouts	1	lot	17.00	19							
	13	Louves, Cabinets, etc.	1	"	33.00	36							
	14	Structural Iron	248	lbs.	0.10	27							
	15	Paint	1	lot	100.00	110							
						<u>2468</u>							
2		FENCE											
	1	Lumber R.R.W.	1646	FBM	0.04	73							
	2	Barbed Wire-2 Strand	8848	L ft	0.003	30							
	3	Twisted Wire-2 Str.No.16 Ga	567	"	0.003	2							
						<u>105</u>							
3		STORAGE BARN											
	1	Lumber R.R.W.	401	FBM	0.04	18							
	2	" R.O.P.	2662	"	0.03	88							
	3	" S4S O.P.	66	"	0.04	3							
	4	T.&G O.P.Flooring	704	"	0.05	39							
	5	1/2"x3" O.P.Battens	950	L ft	0.01	11							
	6	Shakes	1.2	M	36.30	48							
	7	Paint	117	SqYd	0.30	38							
	8	Hardware	1	lot	1.00	1							
						<u>246</u>							
4		BOILERS-BATTERY NO.1											
	1	Pond-Horizontal-2nd Hand	1	ea.	650	715							
	2	Atlas- Return Tubular	1	"	650	715							
						<u>1430</u>							

CITY OF SAN DIEGO

DIVISION _____ COLLECTION _____

STRUCTURE _____ MONTE PUMP PLANT _____

SHEET NO. 2 OF 10

REPRODUCTION COST							DEPRECIATION				PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
5		<u>BOILERS-BATTERY NO.2</u>											
	1	Penn.Boiler Wks.Horizontal	1	ea.	1300	1430							
6		<u>MAIN STEAM HEADERS & FITTINGS</u>											
	1	Steam Line Boiler No.1 to Line No.5-Line #1	1	lot	23.00	25							
	2	Steam Line Boiler No.2 to Line No.5-Line #2	1	"	16.25	18							
	3	Steam Line Boiler No.3 to Line No.5-Line #3	1	"	16.00	18							
	4	Steam Line Boiler No.4 to Line No.5-Line #4	1	"	16.20	18							
	5	Main Header-Line No.5	1	"	25.10	27							
	6	" " Air Vent from) Main Steam Header to) atmosphere)	1	"	3.75	4							
						<u>110</u>							
7		<u>BOILER WATER COLUMN BLOW-OFF LINES & FITTINGS</u>											
	1	From Boilers 1-2-3-4 to Sump	4	ea.	7.20	32							
8		<u>BOILER BLOW-OFFS</u>											
	1	Boiler Blow-offs lines from nipple back of boiler No.4 to Stillwell Heater including nipples to boilers, but not cocks	1	lot	21.50	24							
9		<u>SMOKE STACK</u>											
	1	Smoke Stack on Battery No.1	1	ea.	75.00	83							

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE MONTE PUMP PLANT

SHEET NO. 3 OF 10

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB-ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
9	1	<u>SMOKE STACK</u> Smoke Stack on Battery No.1	1	ea.	75.00	83							
10		<u>BOILERS & STACKS, FOUNDATIONS AND SETTINGS</u>											
	1	Brick	80.6	M	20.60	1826							
	2	Fire Brick	0.65	"	36.00	25							
						<u>1851</u>							
11		<u>PUMPING ENGINE NO.1</u>											
	1	Duplex, Snow No.18233	1	ea.	1875.	2063							
	2	Steam Line from Heater to Pump No.1 and No.6	1	lot	24.75	27							
	3	Discharge of Pump No.1 from Pump to line uphill. Line No.301	1	"	203.50	224							
	4	Passovers on Water ends of Pump No.1	1	"	7.40	8							
	5	Exhaust Steam line from Pump No.1 to Goubert Heater Line No.101	1	"	37.60	42							
	6	Suction of Pump No.1 from Pump to end of Old Line. Line No.201	1	"	104.70	116							
	7	Lubricator on Pump No.1	1	"	2.80	3							
	8	Priming Line on Pump No.1	1	"	1.55	2							
						<u>2485</u>							
12		<u>PUMPING ENGINE NO.2</u>											
	1	Dean Duplex No.31510	1	ea.	2310.	2541							
	2	Steam Line from Heater to Pump No.2	1	lot	36.50	41							
	3	Exh. from Pump No.2 Atmos. outside Bldg. & to Line #101, Line #102	1	"	36.20	40							

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE MONTE PUMP PLANT

SHEET NO. 4 OF 10

REPRODUCTION COST							DEPRECIATION				PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
12		Brt. forward PUMPING ENGINE NO.2 (Cont'd)				2622							
	4	Suction of Pump No.2 from Pump to end of Line	1	lot	187.00	206							
	5	Lubricator on Pump No.2	1	"	3.00	3							
	6	Sight Feed Steam Chest Oiler on Pump No.2	1	"	2.70	3							
	7	Priming Line on Pump No.2	1	"	1.00	1							
	8	Pass-over on Water end Pump No.2	1	"	3.20	3							
	9	Cylinder Drains Pump No.2	1	"	6.25	7							
	10	Riscron Suction of Pump No. 2	1	"	41.70	46							
						<u>2891</u>							
13		PUMPING ENGINE NO.3											
	1	Duplex, Snow Steam Pump #23819/	1	ea.	3125.	3438							
	2	Steam Line to Pump No.3 from Header Line No.8	1	lot	14.10	15							
	3	Suction of Pump No.3 from Condenser to end of line. Line No.203	1	"	1.00	1							
	4	Discharge of Pump No.3 to Line up hill. Line No.303	1	"	58.50	65							
	5	Condenser(Dismantled)	1	ea.	10.00	11							
	6	Air Pump (")	1	"	80.00	88							
						<u>3618</u>							
14		AUXILIARY STEAM HEADER AND FITTINGS											
	1	Aux. Steam Header from Line to Pump No.3 to Lines to feed Pumps. Line No.11	1	lot	5.00	6							
	2	Lubricator on Line No.11	1	ea.	3.20	3							
						<u>9</u>							
15		HOT WELL											
	1	Engine Room	1	lot	8.90	10							

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE MONTE PUMP PLANT

SHEET NO. 5 OF 10

REPRODUCTION COST							DEPRECIATION				PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB-ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
16		BOILER FEED PUMPS											
	1	Worthington Duplex No.139216	1	ea	92.00	101							
	2	Dean Duplex	1	"	85.00	94							
	3	Steam Line from Aux.Header to Boiler Feed P.No.1 Line No.12	1	lot	2.90	3							
	4	Steam Line from Aux.Header to Boiler Feed Pump No.2	1	"	1.50	2							
	5	Exhaust from Boiler Feed Pump No.1 to outside of bldg. Line No.103	1	"	5.60	7							
	6	Exh.from Boiler Feed Pump No.2 to Line No.103-Line No.104	1	"	4.70	6							
	7	Hot water Line bet.Heater outside bldg.& Hot Well Line No.401	1	"	21.50	23							
	8	Hot Water Line to Suction at Boiler Feed Pump No.1 from Line No.401.L#402	1	"	4.60	5							
	9	Hot Water Line to Suction at Pump No.2 from Line 401. Line 403	1	"	5.50	7							
	10	Disc.from Feed Pump No.1 to Goubert Heater & Boiler Blowoff Line No.404	1	"	9.00	10							
	11	Disc. of Feed Pump No.2 to Line 404. Line 404	1	"	3.20	3							
	12	Cold Water Line from Line up hill outside Bldg.	1	"	7.50	9							
	13	Boiler Compound Injector on Feed Pump No.1	1	"	1.00	1							
						<u>271</u>							

City of SAN DIEGO

DIVISION _____ COLLECTION _____

STRUCTURE MONTE PUMP PLANT

SHEET NO. 6 OF 10

REPRODUCTION COST							DEPRECIATION					PRESENT VALUES	
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
17		<u>GOUBERT HEATER & FEED WATER LINES</u>											
	1	Hot Water Line from Heater to Boiler Feed Water Lines. Line No.406	1	lot	11.20	12							
	2	By Pass around Goubert Heater L 407	1	"	3.90	4							
	3	Pass over from Line No.406 to Boiler Blowoff Line. Line No.408	1	"	5.00	5							
	4	Heater Relief & Blowoff Line from Relief valve on Heater to outside bldg. Line 415	1	"	9.30	10							
	5	Exhaust to Atmos.from Goubert Heater Line #105	1	"	15.10	<u>17</u>							
						<u>48</u>							
18		<u>BOILER FEED WATER LINES</u>											
	1	Boiler Feed Water Line from Line 406 to Boiler No.1 Line No.409	1	"	6.70	8							
	2	Boiler Feed Water Line from Line 406 to Boiler No.2 Line No.410	1	"	7.50	8							
	3	Boiler Feed Water Line from Line 406 to Boiler No.3 Line No.411	1	"	6.70	8							
	4	Boiler Feed Water Line from Line 406 to Boiler No.4 Line No.412	1	"	8.10	<u>9</u>							
						<u>33</u>							
19		<u>OPEN FEED WATER HEATER</u>											
	1	Stillwell & Bierce Co. Heater No.8 outside bldg. (Not connected)	1	ea.	100.00	110							

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE MONTPE PUMP PLANT

SHEET NO. 7 OF 10

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
		Brot. forward				110							
19		<u>OPEN FEED WATER HEATER (Cont'd.)</u>											
	2	Open Heater (Not connected)	1	lot	100.00	110							
	3	Stillwell & Bierce Heater & Piping	1	"	13.20	14							
	4	Heaters & Heater Lines outside of Pump House from L 414 to old Heater L 415	1	"	4.00	4							
	5	Piping on Day Heater	1	"	4.70	6							
						<u>244</u>							
20		<u>PRIMING PUMPS</u>											
	1	Deane Single Pumps #30026, #33096	2	ea.	237.00	521							
	2	Discon. Suction of Priming Pump	1	lot	6.70	8							
						<u>529</u>							
21		<u>OIL BURNING SYSTEM</u>											
	1	Oil Pumps	1	"	75.00	83							
	2	Oil Supply Line to Oil Burners on Boilers 1-2-3-4 Line 603	1	"	12.50	13							
	3	Steam Line from Boilers 2-3-4 to Line on Oil Burners on Boilers 1-2-3-4 Line No.14 (Not connected)	1	"	9.55	11							
	4	Steam Line to Oil Burners on Boilers 1 & 2 from Line 14. Line No.15	1	"	3.80	4							
	5	Steam Line to Oil Burners on Boilers 3 & 4 from Line 14. Line 18	1	"	2.45	2							
						<u>113</u>							

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE MONTE PUMP PLANT

SHEET NO. 8 OF 10

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
22		OIL TANKS											
	1	28000 gal. R.W.Tanks	3	ea.	200.00	660							
	2	Lumber R.R.W.	1.664	MBM	45.00	83							
	3	" O.P.	1.095	"	35.00	42							
	4	Piping at Oil Fuel Tanks	1	lot	13.90	15							
	5	Fuel Oil Supply Line from Tank to Station. Line 602	1	"	34.10	37							
	6	Hand Pump for Saving Fuel Oil Leaking from Tanks	1	"	6.75	8							
						<u>845</u>							
23		WELLS											
	1	Excavation	504	CY	0.60	333							
	2	Lumber R.R.W. Derrick Well No. 12	0.432	MBM	45.00	21							
	3	Lumber R.R.W. Well No. 5	0.792	"	45.00	40							
	4	" R.O.P. Well No. 1-2											
	5	4-5- Wales-Circular R.O.P.	11.352	"	40.00	499							
	6	32 Connection from Well Line to Line up to Flame	32	ea.	1.00	35							
	7	From Well No. 4 to Suction from Monte Pump Sta. 2	1	lot	722.	794							
			1	"	552.	607							
						<u>2329</u>							
24		DISMANTLED LINES											
	1	Pipe on Hand	1	"	290.	319							
25		AUXILIARY PUMP BUILDING											
	1	Concrete	7.5	CY	7.70	64							
	2	Lumber R.O.P.	0.938	MBM	40.00	42							
	3	" R.R.W.	2.193	"	45.00	109							
	4	Roofing 2 ply Paper	4.29	Sqrs	2.70	15							
	5	Hardware	1	lot	0.60	1							
						<u>229</u>							

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE MONTE PUMP PLANT

SHEET NO. 9 OF 10

REPRODUCTION COST						DEPRECIATION					PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
26		<u>AUXILIARY PUMP STATION MOTOR</u>											
	1	Motor G.E.Co. Type 1	1	ea.	723.00	796							
	2	Fuse Block	1	lot	9.70	11							
	3	Switch	1	"	9.00	10							
	4	Fuses "Arkless"	1	"	2.50	3							
	5	Starting Compensator G.E.Co.	1	"	81.00	89							
						<u>909</u>							
27		<u>AUXILIARY PUMP</u>											
	1	Rumsey & Co. Triplex	1	ea.	1207.	1328							
	2	Accessories	1	lot	5.00	5							
	3	Suction Line from Pump to Well 5	1	"	68.00	75							
	4	Suction Line from Pump to Line to Wells 3 & 4	1	"	27.00	30							
	5	Discharge Line	1	"	106.00	117							
	6	Blowoff from Pump Air Chamber to atmosphere	1	"	3.00	3							
	7	Blowoff from Pump Discharge Line to atmosphere	1	"	11.00	12							
						<u>1570</u>							
28		<u>WELL LINES & FITTINGS</u>											
	1	Line from Well No.2 to one from Well No.4	1	"	289.00	318							
	2	Well Cleaning Line	1	"	118.75	131							
						<u>449</u>							

CITY OF SAN DIEGO

DIVISION COLLECTION

STRUCTURE MONTE PUMP PLANT

SHEET NO. 10 OF 10

REPRODUCTION COST							DEPRECIATION				PRESENT VALUES		
STR. NO.	ITEM NO.	ITEM	QUANTITY	UNIT	UNIT COST	REPROD. COST	AGE IN YEARS	PROB. ABLE LIFE	%	ANNUAL	TOTAL	WITHOUT OVERHEAD	WITH OVERHEAD
29		<u>DISMANTLED LINES & FITTINGS</u> <u>ALONG WELL LINES</u>											
	1	Lines & Fittings	1	lot	27.50	30							
30		<u>DISCHARGE LINE UP HILL</u> <u>TO FLUME</u>											
	1	Trench Excav. Loose Rock	63	CY	1.00	69							
	2	" " & Backfill E. & D.G.	545	"	0.60	360							
	3	Loose Rock Piled against Pipe	16	"	0.25	4							
	4	Concrete	7.5	"	7.70	64							
	5	20" R.S.Pipe, Half No.10 Half No.12	873	L ft	1.55	1488							
	6	20" Elbow	1	ea.	10.00	11							
	7	Air Chamber	1	"	9.10	10							
	8	" "	1	"	23.00	25							
	9	" "	1	"	19.70	22							
	10	Lumber S4S R.W.	0.342	MBM	50.00	19							
	11	16" Riv. Steel Pipe No.14	984	L ft	1.05	1136							
						<u>3208</u>							
		TOTAL MONTE PUMP PLANT				27918	17	20	5	1396	23730		4188

Ed Fletcher Papers

1870-1955

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**Business Records - Reports - Post, W.S - "Appraisal:
Structural Properties, Cuyamaca Water Co."**



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