Waterline on Exchange
from Res. to Cave St.

X Section Prospect
Olive to Ravina

232

398

TRANCHES

F.B. 232

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

Minutes	Lks.	Minutes	Lks.	Minutes	Lks.
1	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅓
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

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City Hall, San Diego, Cal.

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links
°		°		°		°	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

MICROFILMED
DEC 8 1964

S. Cor. Cave & Exchange Hd. spk.
N.S round brass pole 116.10

5 x 17.5 = 16.75

19.33 4 x 20

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Water line on Exchange from Reservoir to Cave St

2

April 11. 1906 { Childs, Haslam, Hawkins

Sta		Grade	H.I.	Rod	Elev.	cut.
0,00	Valve at reservoir					
+50						
1 +00						
+50						
2 +00						
+28	So. line Olivet					
50' N						
100' N.						
150' N						
170' N	So. line College..	187.4	191.47	2.0	189.5	4.1
30' N		186.8		3.8	187.7	2.9
80' N	N. line College	184.4		8.9	182.6	0.2
50' N		181.4		12.52	178.95	0.0
100' N		178.3	180.16	3.8	176.4	0.1
150' N		175.2		6.0	174.2	1.0
200' N		172.2		7.8	172.4	2.2
250' N		169.3		9.6	170.6	3.3
300' N.	So. line State	166.4		12.82	167.34	2.9
30' N		165.3	168.80	2.6	166.2	2.9
80' N	N. line State	163.4		4.4	164.4	3.0

Sta.		Grade	H.I.	Rod	Elev.	cut
50' N	State	160.4	168.80	7.5	161.3	2.9
100' N		157.5		11.7	157.1	1.6
150' N		154.6	156.80	1.1	155.2	2.6
200' N		151.7		2.6	153.7	4.0
250' N		148.8		6.1	150.2	3.4
272.5' N	So. line Beach Road	147.5		8.2	148.1	2.6
	North line " "	144.5	144.64	2.6	141.9	0.0
50' N		140.6		5.4	139.1	0.5
100' "		136.6		8.6	135.9	1.3
150' "		132.7		11.74	132.80	2.1
200' "		129.1	133.31	3.6	129.7	2.6
250' "		127.0		6.3	127.0	2.0
300' "		125.0		8.4	124.9	1.9
350' "		123.0		10.2	123.1	2.2
400' "		121.0		12.0	121.3	2.4
450' "		119.0	124.36	4.6	119.8	2.8
500' "		117.0		5.7	118.7	3.7
550' "		115.0		7.3	117.1	4.1
615' "	Cross of Project					

Water line on College from Exchange to Magnolia ave.

April 11. 1906 { Childs Haslam Hawkins

Sta.		Grade	H.I.	Rod	Elev. cut	
0+00	= 10' East cen. Exchange	186.8	191.47	3.8	187.7	2.9
+50	West line Exchange	186.2		6.6	184.9	0.7
1+00		184.9		4.8	186.7	3.8
+50		183.5		6.1	185.4	3.9
2+00		182.2		6.8	184.7	4.5
+50		180.9		9.1	182.4	3.5
3+00		179.6		12.28	179.19	1.6
+50		177.0	179.45	3.0	176.4	1.4
4+00		174.0		7.3	172.1	0.1
+50		171.1		9.9	169.5	0.4
5+00		168.1		11.72	167.73	1.6
+50	East line Magnolia	165.2	168.95	4.0	164.9	1.7
+80	10' East of center "	163.7		5.3	163.6	1.9

X Sect. Prospect from Olive to Ravina (Childs, Haslam, Hawley)

N. line Olive — April 13 1906

E. line	H.I.	73.20	3.4	69.8
			3.2	70.0
			3.6	69.6
C			3.7	69.5
			4.0	69.2
			4.0	69.2
W. line			4.55	68.6
	N. cb			
W. line			4.5	68.7
~~W.~~			4.4	68.8
			4.0	68.2
C			3.9	69.3
			3.6	69.6
			3.4	69.8
E. line			3.3	69.9

X

N. 1/4

E. line		3.4	69.8
		3.5	69.7
		3.7	69.5
C		3.9	69.4
		3.9	69.3
		4.3	68.9
W. line		4.5	68.7
	Center		
W. line		4.3	68.9
		4.1	69.1
		3.9	69.3
C		3.8	69.4
		3.7	69.5
		3.7	69.5
E. line		3.6	69.6

X

So. 1/4

E. line	3.8	69.4	
	3.7	69.5	
	3.7	69.5	
C	3.8	69.4	
	4.0	69.2	
	4.1	69.1	
W. line	4.3	68.9	

So. C6

W. line	4.3	68.9	
	4.0	69.2	
	4.3	68.9	
C	3.9	69.3	
	3.8	69.4	
	3.8	69.4	
E. line	3.9	69.3	

So. line above

E. line	4.0	69.2
	4.0	69.2
	3.9	69.3
C	4.0	69.2
	4.3	68.9
	4.3	68.9
W. line	4.6	68.6

Sect. on AB Fig. 1.

W. line	4.6	68.6
	4.4	68.8
	4.3	68.9
C	4.1	68.1
	4.0	69.2
	4.0	69.2
E. line	4.0	69.2

		24' So. point B		
E. line			4.1	69.1
			4.2	69.0
			4.2	69.0
C			4.4	68.8
			4.4	68.8
			4.8	68.4
W. line			5.1	68.1
		50' So. point B		
W. line			5.7	67.5
			5.2	68.0
			4.3	68.9
C			4.1	69.1
			3.9	69.3
			4.5	68.7
E. line			4.5	68.7

Fig 1.

	75' So.		
E. line	4.6	68.6	
	4.8	68.4	
	4.8	68.4	
C	5.2	68.0	
	5.5	67.7	
	6.1	67.1	
W. line	6.6	66.6	
	100' So.		
W. line	7.4	65.8	
	7.0	66.2	
	6.4	66.8	
C	6.0	67.2	
	5.7	67.5	
	5.2	68.0	
E. line	5.0	68.2	

	120' So.		
E. line	5.6	67.6	
	5.9	67.3	
	6.3	66.9	
C	6.6	66.6	
	7.3	65.9	
	7.6	65.6	
W. line	8.2	65.0	
	140' So.		
W. line	9.0	64.2	
	8.1	65.1	
	8.0	65.2	
C	7.3	65.9	
	6.8	66.4	
	6.7	66.5	
E. line	6.3	66.9	

	160' So.		
E. line	6.5	66.7	
	7.5	65.7	
	7.8	65.2	
C	8.2	65.0	
	8.3	64.9	
	9.0	64.2	
W. line	10.3	62.9	
	180' So.		
W. line	11.6	61.6	
	9.8	63.4	
	9.3	63.9	
C	8.9	64.3	
	8.4	64.8	
	8.2	65.0	
E. line	7.9	65.3	

	205' So.		
E. line	8.6	64.6	
	9.0	64.2	
	9.7	63.5	
C	9.9	63.3	
	10.4	62.8	
	11.6	61.6	
W. line	14.1	59.1	
	230' So.		
W. line	17.7	55.5	
	14.4	58.8	
	12.5	60.7	
C	11.4	61.8	
	10.8	62.4	
	10.3	62.9	
E. line	9.3	63.9	

		H.I.			
		255' So.			
E. line		73.20	10.6	62.6	
			11.7	61.5	
			12.1	61.1	
C			13.2	60.0	
	H.I.	61.97	4.0	56.0	
			6.7	55.3	
W. line			10.1	51.9	
		280' So.			
W. line			13.4	48.6	
			10.5	51.5	
			7.7	54.3	
C			5.0	57.0	
			2.9	59.1	
	H.I.	73.20	13.0	60.20	
E. line			12.0	61.2	
	1.42	61.97	12.65	60.35	

	H.I. 61.97			
	305' So.			
E. line		2.7	59.3	
		3.8	58.2	
		5.1	56.9	
C		7.6	54.4	
		10.2	51.8	
		13.2	48.8	
W. line		16.7	45.3	
	330' So.			
W. line	H.I. 51.11	8.3	42.8	
		6.9	44.2	
	H.I. 61.97	14.1	47.9	
C		11.5	50.5	
		9.3	52.7	
		7.0	55.0	
E. line		4.7	57.3	

		355' So.		
E. line			6.8	55°.2
			10.4	51.6
			12.7	49.3
C	H.I	51,11	5.5	45°.6
			7.0	44,1
			8.0	43.1
W. line			9.2	41.9
		380' So.		
W. line			10.5	40.6
			9,2	41.9
			7,6	43.5°
C			6.9	44,2
			5.9	45.2
	H.I.	61,97	13.8	48.2
E. line			11.7	50.3

Fig. 2.

	405' So.			
E. line	H.E.	51.11	4.0	47.1
			5.7	45.4
			7.4	43.7
C			8.1	43.0
			9.2	41.9
			9.7	41.4
W. line			10.6	40.5
	430' So.			
W. line			10.2	40.9
			9.6	41.5
			9.1	42.0
C			8.3	42.8
			7.1	44.0
			7.0	44.1
E. line			6.1	45.0

	435' So		
E. line		9.7	41.4
		9.7	41.4
		7.4	43.7
C		8.1	43.0
		8.8	42.3
		9.2	41.9
W. line		9.9	41.2
	480' So.		
W. line		13.3	37.8
		12.6	38.5
		12.4	38.7
C		11.4	39.7
		11.5	39.6
		10.8	40.3
		[illegible]	
E. line		10.5	40.6

	497' So.		
E. line		11.2	39.9
		11.9	39.2
		13.3	37.8
C		13.5⁻	37.6
		13.5⁻	37.6
		14.1	37.0
W. line		16.5⁻	34.6
	20' So. E of Fig. 1		
W. line		16.6	34.5
		12.5⁻	38.6
		12.9	38.2
C		12.5⁻	38.6
		11.9	39.2
		12.1	39.0
E. line		11.9	39.2

	40' So. E. F.		
E. line		13.7	37.4
		13.8	37.3
		13.4	37.7
C		13.4	37.7
		13.4	37.7
		13.3	37.8
W. line		13.2	37.9
	60' So.		
W. line	A.I. 4117	2.8	38.4
		3.7	37.5⁻
		4.1	37.1
C		4.0	37.2
		4.3	36.9
		5.1	36.1
E. line		5.2	36.0

	80' So		
E line		7,7	33.5
		7,3	33.9
		5,3	35.9
C		2,6	38.6
		2,1	39.1
		3,2	38.0
W line		4.1	37.1
	15' So. joint		20 Fig 1
W. line		5,0	36.2
		5.7	35.5
		5.6	35.6
C		5,3	35.9
		6.4	34,8
		8.1	33.1
E line		9,6	31.6

	40' So.		
E line		10.8	30.4
		12,2	29.0
		13,3	27.9
C		13,3	27.9
		11.7	29.5
		11.0	30.2
W line		9.9	31.3
	65' So.		
W. line	N.I.31,82	5,3	26.5
		6,0	25.8
		6,5	25.3
C		6.3	25.5
		6,0	25.8
		4,7	27.1
E line		5,1	26.7

90' So.

E. line		9.6	22.2
		6.0	25.8
		7.0	24.8
C		9.0	22.8
		10.0	21.8
		9.5	22.3
W. line		8.0	23.8
	115' So.		
W. line		13.2	18.6
		13.2	18.6
		11.9	19.9
C		10.8	21.0
		9.5	22.3
		8.1	23.7
E. line		10.9	20.9

120' So.

E. line	11.7	20.1
	8.9	22.9
	10.1	21.7
C	11.3	20.5
	12.2	19.6
	13.4	18.4
W. line	19.8	12.0
	140' So.	
W. line	13.0	18.8
W.C +11	13.9	17.9
OB	18.5	13.3
OB+7'	16.5	15.3
1/4	12.3	19.5
C	12.0	19.8
	11.3	20.5
	11.0	20.8
E. line	14.9	16.9

North line Ravina

E. line		H.I.	14.9	16.9	
			17.4	14.4	
			16.2	15.6	
C			16.9	14.9	
			18.8	13.0	
			14.3	17.5	
W. line			13.0	18.8	
B.M.	11.49	30.29			18.80
	6' So. North line				
W. line			11.4	18.9	
			10.9	19.4	
			16.6	13.7	
C			15.8	14.5	
			15.9	14.4	
			14.7	15.6	
E. line			10.2	20.1	

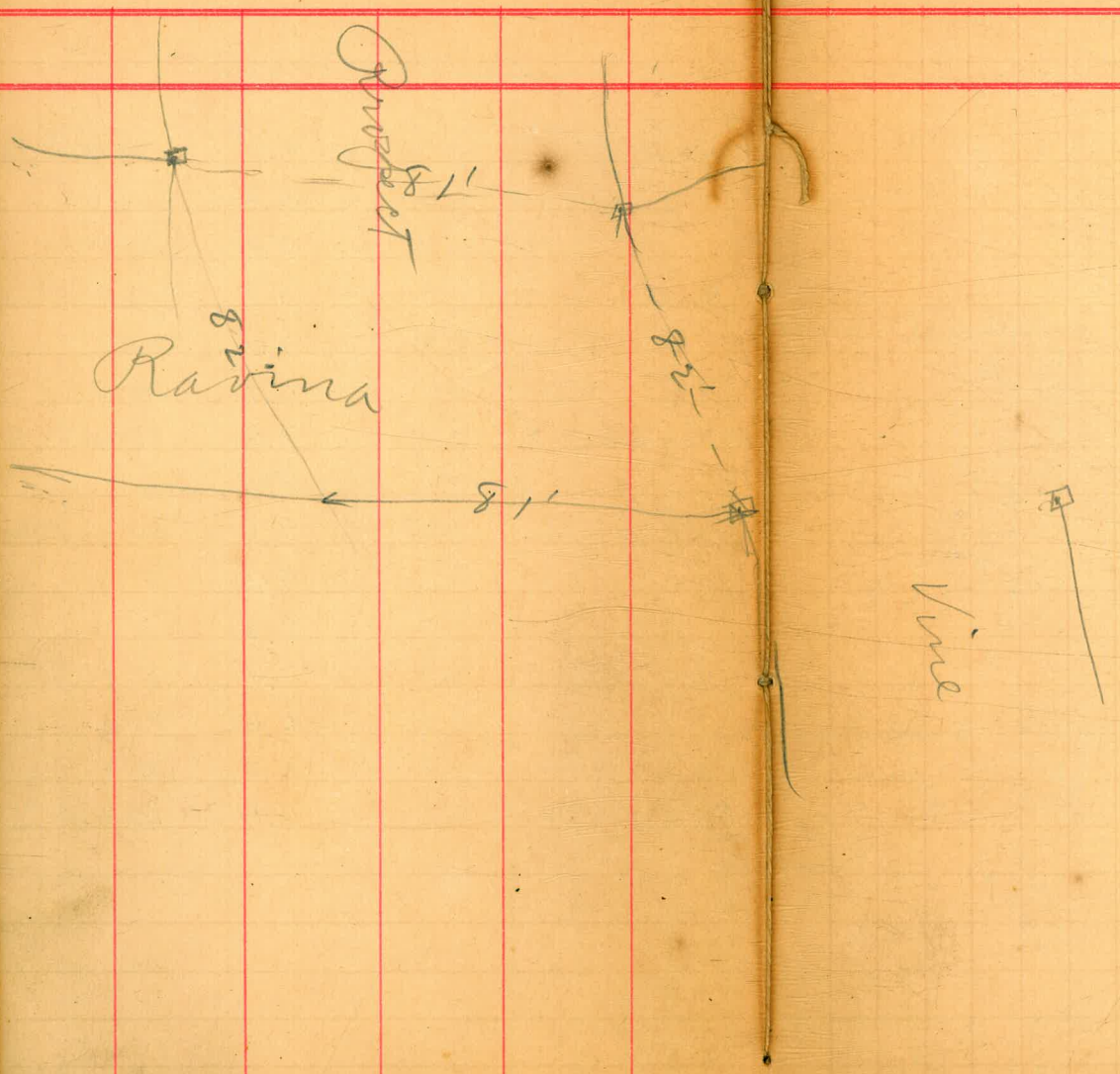
North Ch.

E. line	H.I.	5.3	25.0	
		6.9	23.4	
		6.8	23.5	
C		7.5	22.8	
		6.9	23.4	
		8.0	22.3	
W. line		10.0	20.3	
JP.	13.06	4323	0.12	30.17
	North 1/4			
W. line		14.1	29.1	
		11.5	31.7	
		9.4	33.8	
C		7.5	35.7	
		5.3	37.9	
		7.2	36.0	
E line		7.4	35.8	

43.23

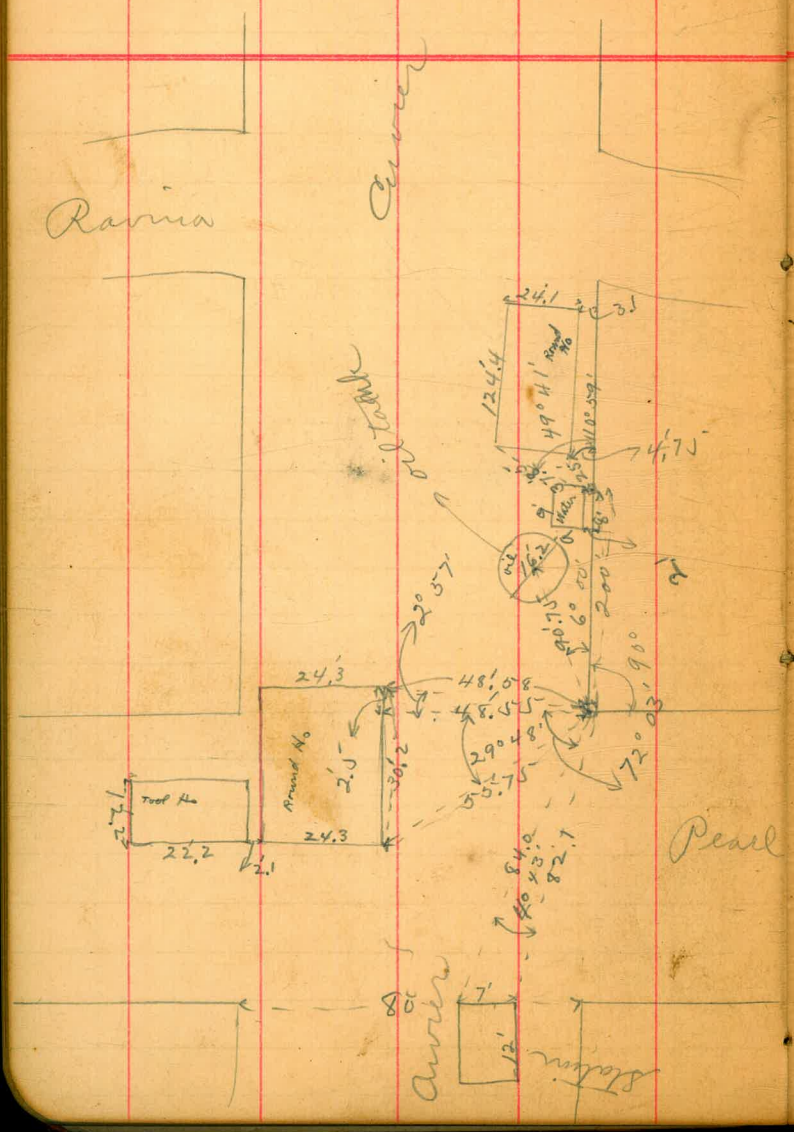
	Center			
E line		3.9	39.3	
		4.0	39.2	
		4.1	39.1	
C		4.1	39.1	
		4.7	38.5	
		5.4	37.8	
W. line		7.7	35.5	
	So. ¼			
W. line		5.5	37.7	
		5.6	37.6	
		5.1	37.1	
C		4.7	38.5	
		4.3	38.9	
		3.4	39.8	
E. line		3.4	39.8	

	So. Cb		
E line		4.5	38.7
		5.2	38.0
		5.5	37.7
C		5.7	37.5
		6.1	37.1
		6.9	36.3
W. line		7.6	35.6
	South line Ravina		
W. line		9.5	33.7
		9.0	34.2
		8.2	35.0
C		7.4	35.8
		6.6	36.6
		6.2	37.0
E. line		6.1	37.1


Ravina
Vine

POSTED

Location of Round House
La Jolla.



Location of Depot Lajolla.

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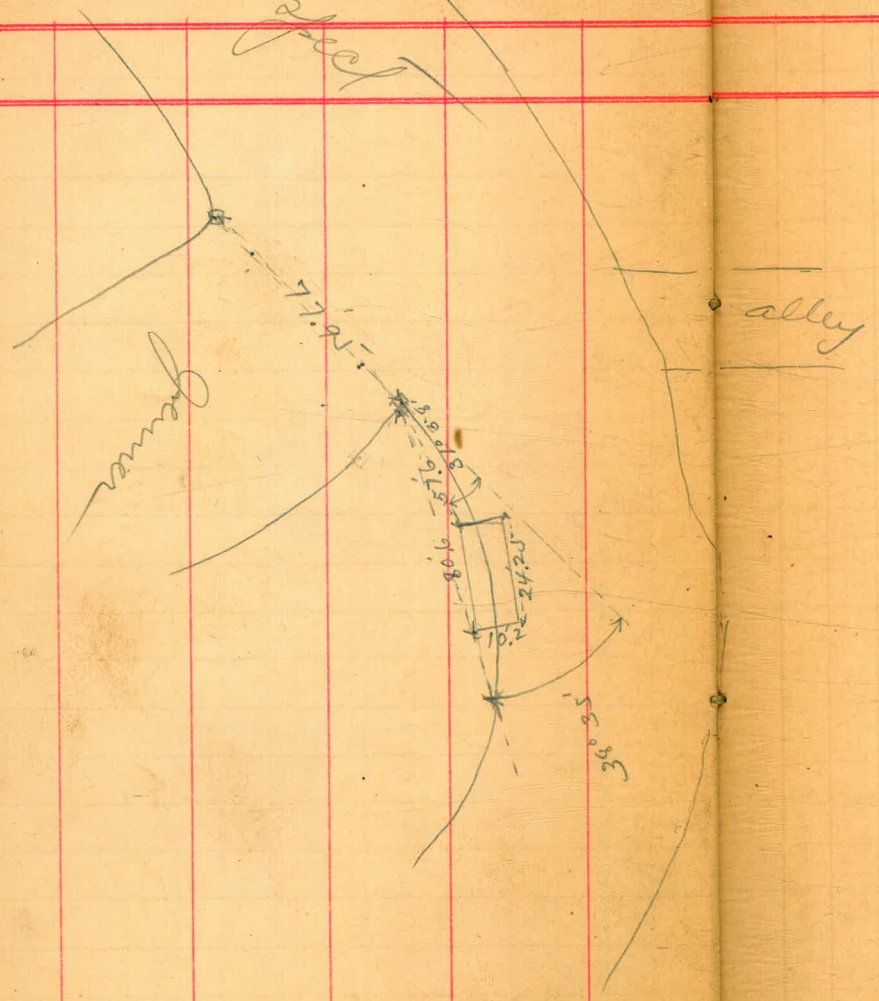

May 27, 1907 Childs
Evans
Borber

22

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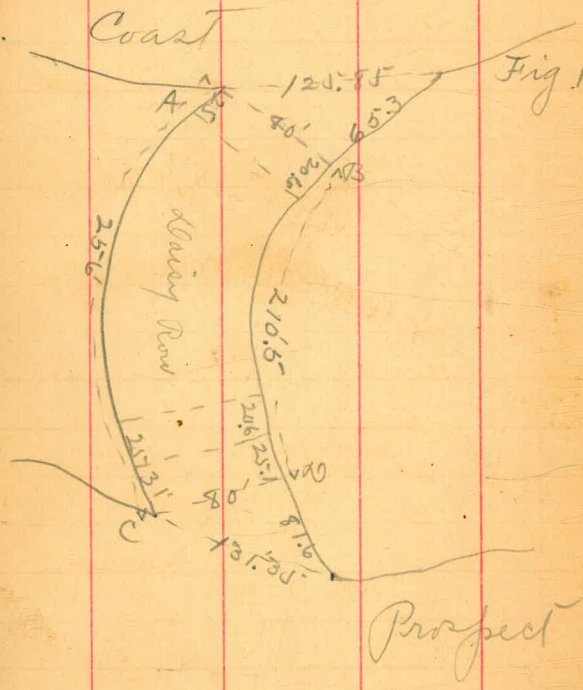
X section Daisy Row Coast to Prospect



87.82

	11.10	H.I. 87.82		76.72	
		W. line Prospect			
So line			4.9		
			5.2		
			4.8		
C			4.4		
			4.1		
			3.8		
N line			3.5		
		sect. on	C.D.	Fig. 1	
N. line			7.7		
			7.5		
			6.4		
C			5.4		
			5.2		
			5.3		
So line			4.9		

225' E. ~~Sect~~ AB Fig 1.

So line			6.2		
			7.3		
			7.5		
C			8.2		
			9.8		
			10.4		
N line			10.8		
		200' E.			
N line			13.7		
			13.3		
			12.4		
C			12.0		
			11.2		
			10.0		
So line			9.3		
		H.I.			
J.S.	0.05	75.26	12.61	75.21	

75.26

		175' E			
So line			−0.5	75.8	
			1.5		
			2.2		
C			2.9		
			3.5		
			3.8		
N line			4.5		
		150' E			
N. line			7.6		
			7.7		
			7.4		
C			7.1		
			6.3		
			4.7		
So. line			3.2		

POSTED

		125' E			
So line			6.1		
			7.6		
			10.9		
C			11.8		
			12.0		
			11.9		
N line			11.8		
		H.I.			
J.P.	2.20	65.07	12.39	62.87	
N.		100' E			
N line			5.3		
			0.6		
			5.5		
C			5.8		
			5.5		
			4.3		
So line			3.8		

65.07

		75' E		
So. line			9.7	
			9.7	
			10.1	
C			9.9	
			9.4	
			9.3	
N line			8.8	
		50' E		
N line			11.7	
			11.9	
			12.4	
C			12.6	
			13.1	
			13.7	
So. line			13.8	
J.P.	2.10	H.I. 54.79	12.38	52.69

	25' E
So. line	6.8
	6.1
	5.5
C	5.3
	4.6
	4.5
N line	4.0
	Sect. on A.B. Fig 1
N line	5.6
	6.3
	6.7
C	7.3
	7.9
	8.3
So. line	8.8

POSTED

E. line Coast.

So. line 8.8

9.1

9.3

C 9.4

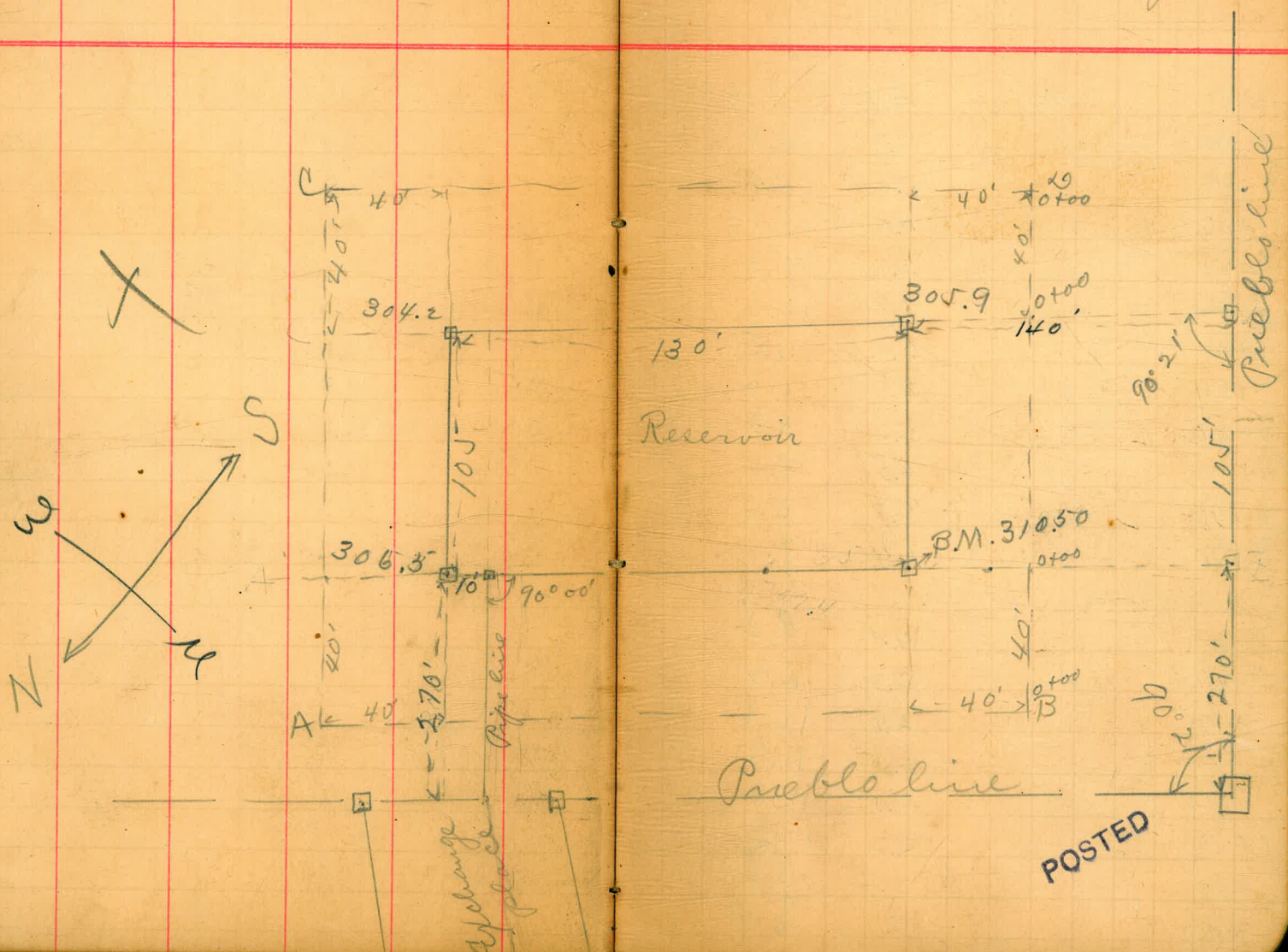
9.5

9.2

N. line 9.3

Lafolla Reservoir location

Nov. 6, 1908 { Childs, Barber, Rogers



POSTED

~~Levels~~ X sect. Reservoir

H.t. 313.54

	On line A.B.		
0+00		2.7	10.8
+20	" "	1.6	11.9
+40		1.9	11.6
+60		2.2	11.3
+80		1.9	11.6
1+00		2.0	11.5
+20		3.5	10.0
+40		5.2	8.3
+70		6.5	7.0
+90		6.7	6.8
2+10		6.4	7.1
	20' So.		
0+00		4.1	9.4
+20		3.3	10.2
+40		2.9	10.6
+60		2.5	11.0
+80		2.5	11.0
1+00		2.2	11.3
+20		3.1	10.4
+40		5.1	8.4

Lafolla Nov. 11/08 { Childs, Barber, Rogers

note. West line is 0+00

B.M. 310.50

1+70	6.5	7.0
+90	6.2	7.3
2+00	5.9	7.6
	40' So. (No. line Reservoir)	
0+00	4.4	9.1
+20	3.2	10.3
+40	3.0	10.5
+60	3.3	10.2
+80	3.6	9.9
1+00	3.3	10.2
+20	3.9	9.6
+40	5.6	7.9
+70	7.04	306.50
+90	6.6	6.9
2+10	6.6	6.9

A.I. = 13.54

13.54

		60' SO.		
0+00			4.9	8.6
+20			3.7	9.8
+40			4.0	9.5
+60			4.0	9.5
+80			4.2	9.3
1+00			4.5	9.0
+20			5.2	8.3
+40			6.3	7.2
+70			7.6	5.9
+90			7.6	5.9
2+10			7.1	6.4
		80' SO.		
0+00			5.7	7.8
+20			5.2	8.3
+40			4.9	8.6
+60			4.5	9.0
+80			4.5	9.0
1+00			6.1	7.4
+20			6.5	7.0
+40			6.6	6.9
+70			8.0	5.5

1+90		7.9	5.6
2+10		7.4	6.1
	100' SO		
0+00		5.0	8.5
+20		6.1	7.4
+40		5.6	7.9
+60		6.0	7.5
+80		6.0	7.5
1+00		7.0	6.5
+20		7.6	5.9
+40		8.1	5.4
+70		8.3	5.2
+90		8.2	5.3
2+10		7.7	5.8

313.54

		120' 20.			
0+00		6.0	4.5		
+20		6.7	6.8		
+40		6.3	4.2		
+60		7.1	6.4		
+80		7.1	6.4		
1+00		7.3	6.4		
+20		7.9	5.6		
+40		8.6	4.9		
+70		8.8	4.7		
+90		8.2	5.3		
2+10		7.2	6.3		
		145' 20 (Po. line Reservoir			
0+00		7.6	5.9		
+20		7.6	5.9		
+40		7.67	305.87		
+60		8.0	5.5		
+80		8.3	5.2		
1+00		8.9	4.6		
+20		9.2	4.3		
+40		9.3	4.2		

13.54

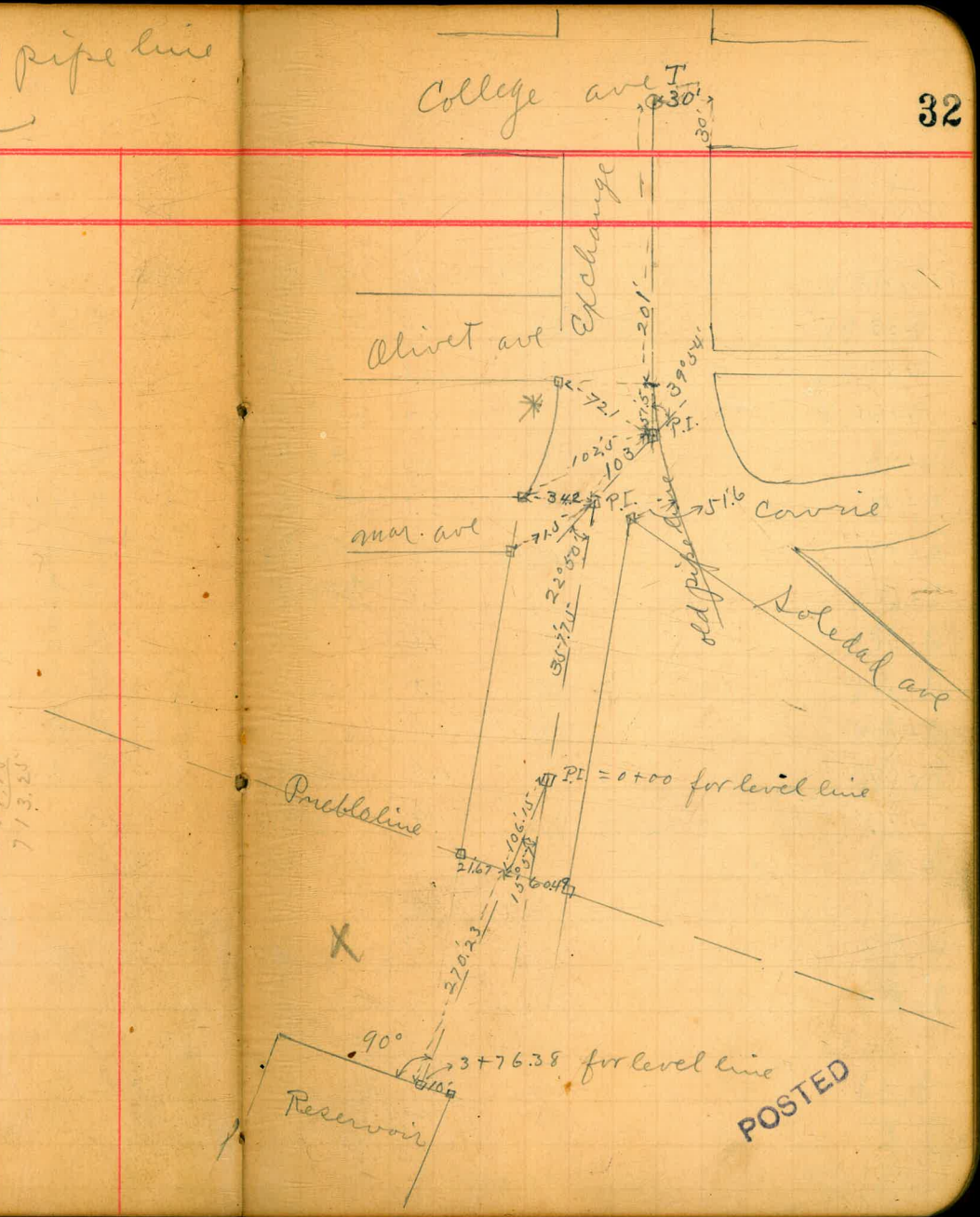
1+70	9.38	304.16	
+90	9.1	4.4	
2+10	8.6	4.9	
	165' 20		
0+00	7.7	5.8	
+20	8.1	5.4	
+40	8.1	5.4	
+60	8.5	5.0	
+80	8.8	4.7	
1+00	7.7	5.8	
+20	9.3	4.2	
+40	9.5	4.0	
+70	9.7	3.8	
+90	9.4	4.1	
2+10	8.8	4.7	

13.52

185' so. line C.D

0+00			8.8	4.7
+20			8.5	5.0
+40			8.2	5.3
+60			9.1	4.4
+80			9.5	4.0
1+00			9.1	4.4
+20			10.0	3.5
+40			9.9	3.6
+70			9.7	3.8
+90			9.9	3.6
2+10			8.3	5.2

Location of pipe line to Reservoir



levels on pipe line

Sta.			H.I.	Rod	Elev.
P.I. = 0+00			295.74	19.0	276.7
+22				17.4	278.3
+52				17.6	278.1
1+06.55				9.7	286.0
+21				5.4	290.3
+41				3.1	292.6
2+00			308.86	8.3	300.5
+60				3.8	305.0
+75				1.6	7.2
3+00				2.1	6.7
+40				1.1	7.7
+57				0.6	8.2
+ 76.38				1.9	6.9

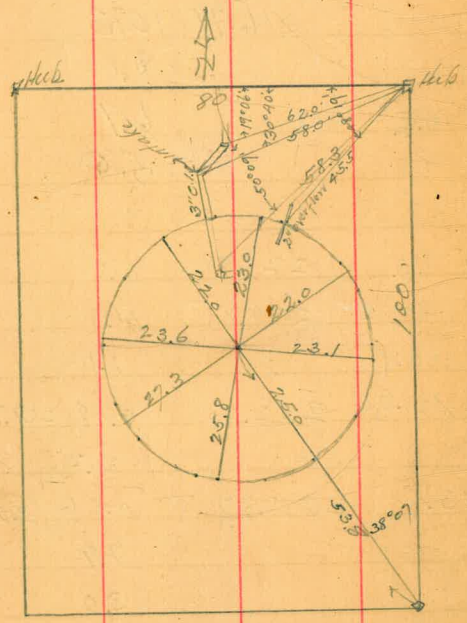
214.82
13.16 ✓
227.98
.32
227.66
12.27
239.95 ✓

Sta		H.I.	Rod	Elev.
0+00 T at College		195.35	8.5	186.8
+50		204.44	12.1	192.3
1+00			7.0	197.4
1+50			3.5	200.9
2+01		216.79	10.3	6.4
+14			8.0	8.7
2+52.5 P.I.			6.7	10.0
2+77.5			5.0	11.7
3+04			3.1	13.6
+55.5 P.I.		227.98	6.8	21.1
4+07		239.95	11.3	28.6
+50			1.1	38.8
J.P.	12.86	252.63	0.18	239.77
5+00			2.2	50.4
J.P.	13.00	265.37	0.26	252.37
5+50			7.9	57.4
6+00			3.0	62.3
J.P.	13.00	276.40	1.97	263.40
6+50			7.6	68.8
7+00			2.7	73.7
+13.25 = 0+00 opposite page				276.7

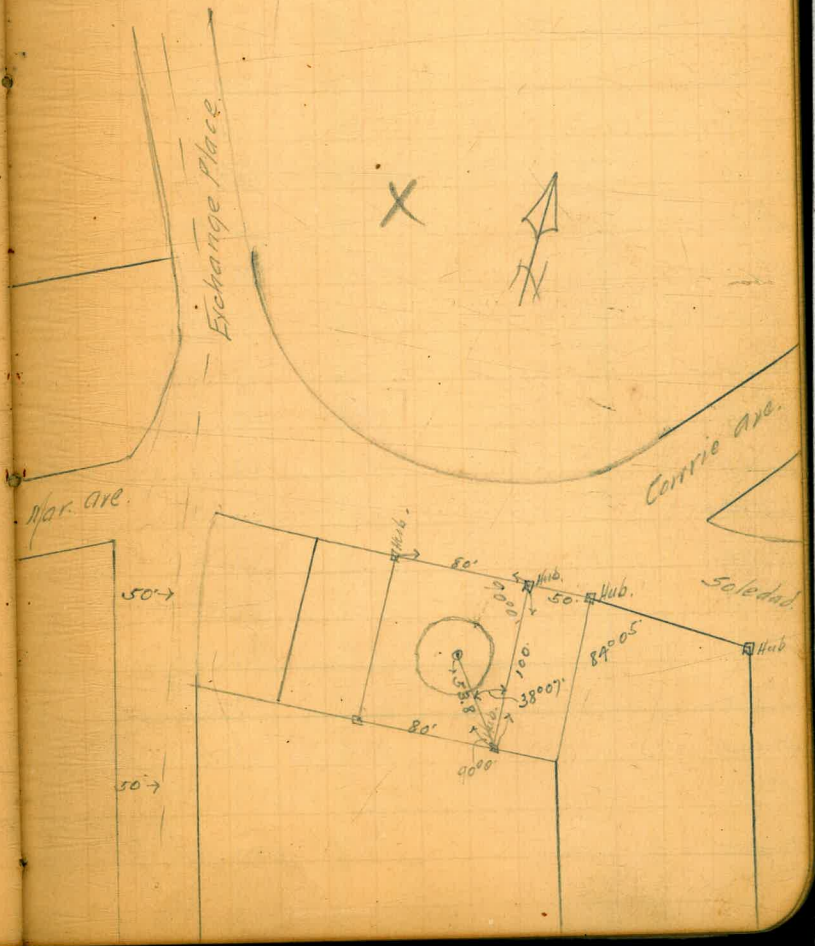
La Jolla Reservoir

12-22-08
Lockwood
Evans.
Brooks.

Distances on reservoir taken from
center in reservoir to inside edge
of concrete.



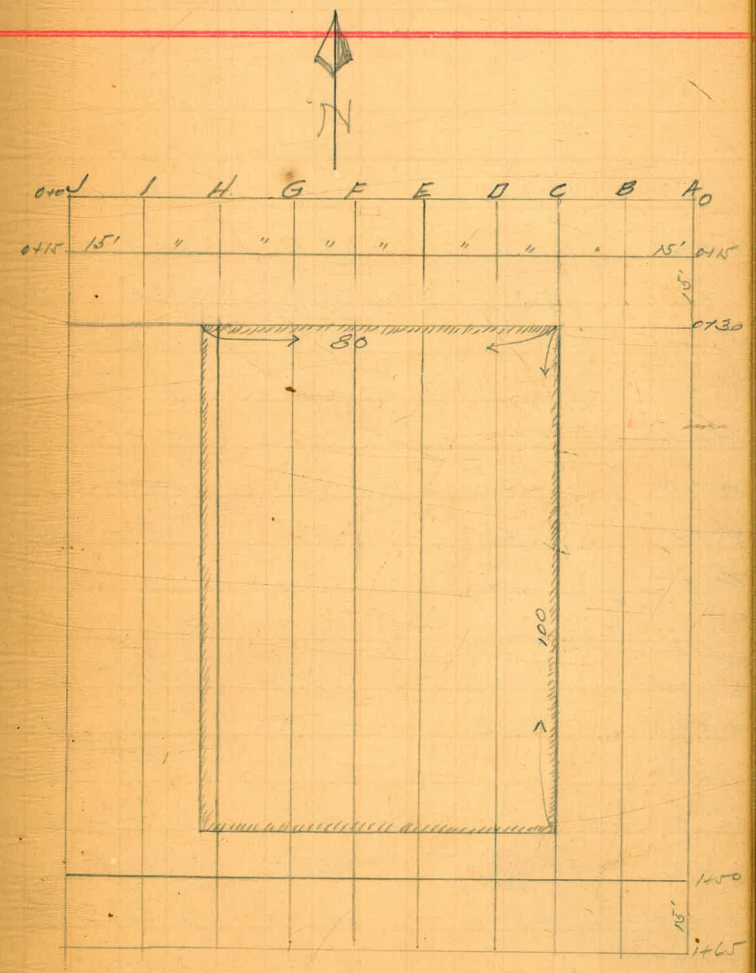
Location of reservoir
with reference to property
lines.



Exchange & Soledad Sts.

Sta.	12.83	H.I. 237.67		224.84	B.M.
	6.81	244.35	0.13	237.54	
A 0			8.1	236.2	
A 15			6.8	237.5	
A 30			6.4	237.9	
A+45			5.0	239.3	
A+60			4.7	239.6	
B 0			9.2	235.1	
B+15			7.6	236.7	
B+30			6.0	238.3	
B+45			4.4	239.9	
B+60			3.6	240.7	
C 0			9.8	234.5	
C+15			8.2	236.1	
C+30			6.0	238.3	
C+45			4.3	240.0	
D 0			11.2	233.1	
D+15			8.5	235.8	
D+30			6.4	237.9	
D+45			4.4	239.9	
E 0			12.7	231.6	
E+15			8.5	235.5	

Plan of x sections



La Jolla Rec.

		H.I.	—	
E+30		244.35	5.9	238.4
E+40			4.6	239.7
E+45			2.3	242.0
F 0			13.7	230.6
F+15			10.8	233.5
F+30			7.3	237.0
F+42			5.0	239.3
F+45			2.9	241.4
G 0			13.9	230.4
G+15			11.7	232.6
G+30			9.6	234.7
G+45			6.2	238.1
H 0			15.6	228.7
H+15			13.3	231.0
H+30			8.9	235.4
H+45			7.3	237.0
H+60			5.1	239.2
I 0			14.9	229.4
I+15			13.5	230.8
I+30			10.3	234.0
I+45			8.0	236.3
I+60			4.8	239.5
intake pipe			4.6	239.7

La Jolla Rec.

		H.I.	—	
J 0		244.35	18.0	226.3
J+15			15.5	228.8
J+30			13.7	230.6
J+45			9.2	235.1
J+60			7.3	237.0
J+75			4.0	240.3
T.P.	12.46	H.I. 254.96	1.85	242.50
A+75			14.3	240.6
A+90			12.5	242.4
A1+05		X	10.4	244.5
A1+20			8.5	246.4
A1+35			7.7	247.2
A1+50			6.0	248.9
B+75			12.7	242.2
B+90			10.2	244.7
B1+05			6.4	248.5
B1+20			5.2	249.7
B1+35			4.5	250.4
B1+50			1.6	253.3
C+55			13.6	241.3
C+60			11.6	243.3

La Jolla Res.

C+75		254.96	9.2	245.7
C+90	Bank Reservoir		6.4	248.5
C 1+05			5.6	249.3
C 1+20			3.6	251.3
C 1+35			0.9	254.0
D+60			8.4	246.5
D+75 N Edge reser.			5.8	249.1
E+60			7.3	247.6
E+64 N Edge reser.			6.2	248.7
F+60			7.5	247.4
F+66 N. Edge reser.			6.2	248.7
G+60			11.0	243.9
G+67			8.2	246.7
G+75			7.2	247.7
G+81 N edge Reser.			6.3	248.6
H+75			11.4	243.5
H+90			9.6	245.3
H 1+05			6.9	248.0
H 1+35			1.8	253.1
I+75			13.2	241.7
I+90			10.5	244.4

La Jolla Res.

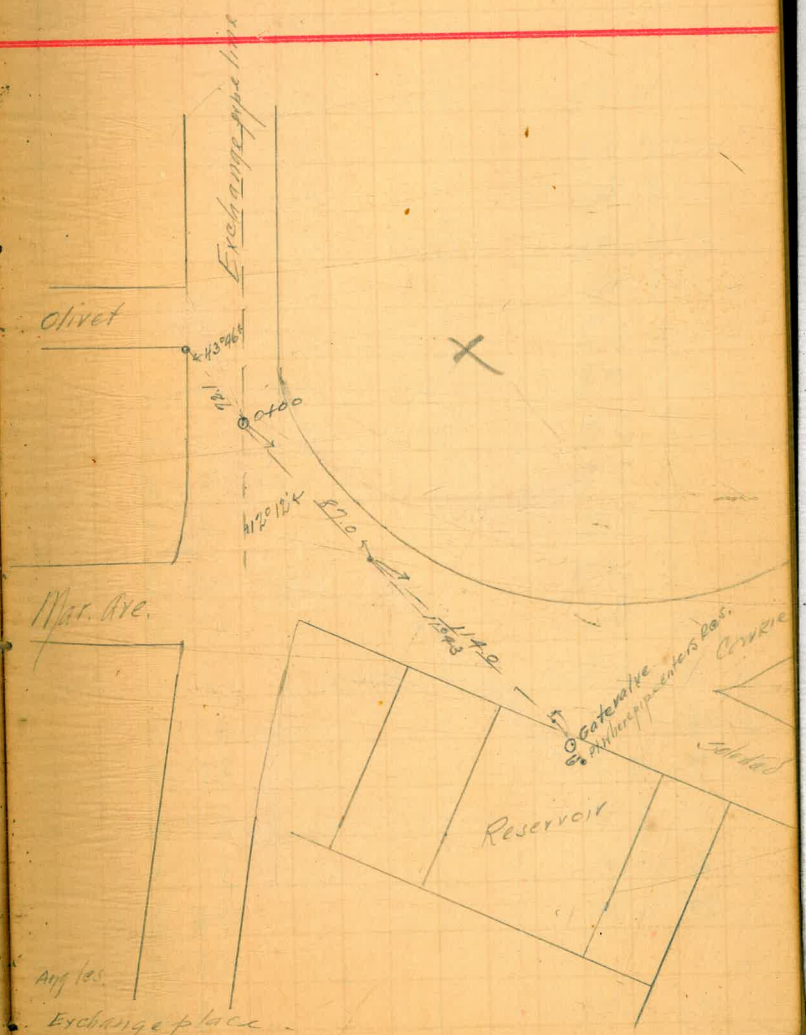
I 1+05		254.96	6.2	248.7
I 1+20			2.2	252.7
J+90			10.7	244.2
J 1+05			6.7	247.2
J 1+20			3.0	251.9
Bottom Res. near Ctr.			12.3	242.6
" " W. side			12.4±	242.5
Top of pipe at bend			3.15	251.8
D 1+11 S. side Res.			5.0	249.9
D 1+17			3.0	251.9
D 1+30			0.7	254.2
E 1+15 S side Reservoir			5.0	249.9
E 1+20			1.7	253.2
F 1+14 S side Reservoir			5.2	249.7
F 1+20			1.6	253.3
G 1+00 S side Res.			6.1	248.8
G 1+07			5.7	249.2
G 1+15			3.6	251.3
G 1+20			1.1	253.8
T.P.	12.80	266.59	11.7	253.79
C 1+50			8.5	258.1
C 1+65			6.2	260.4

La Jolla Res.

D. 1+35		Ht. 26659	10.6	256.0
D. 1+50			7.5	259.1
D 1+65			4.1	262.5
E. 1+35			9.4	257.2
E 1+50			6.6	260.0
E 1+65			2.6	264.0
F. 1+35			7.5	259.1
F. 1+50			5.1	261.5
F 1+65			2.5	264.1
G. 1+35			6.6	260.0
G. 1+50			3.9	262.7
G 1+65			1.9	264.7
H. 1+50			4.5	262.1
H 1+65			2.1	264.5
I 1+35			10.2	256.4
I 1+50			6.2	260.4
I 1+65			1.5	265.1
J 1+35			10.7	255.9
J 1+50			6.0	260.6
J 1+65			2.1	264.5
A 1+65			15.9	250.7
B 1+65			11.6	255.0

Location of Pipe Line La Jolla Res.

2+37			Pt. where pipe bends into res.
		36.0	
2+01.0			
		114.0	
0+87	11°93'L.		
		87.0	
0+00 =	12°12'L.		Pt. where line B.S. on pipe line



La Jolla Reservoir

Jan 6/09 { Childs, Barber, Rogers } 40

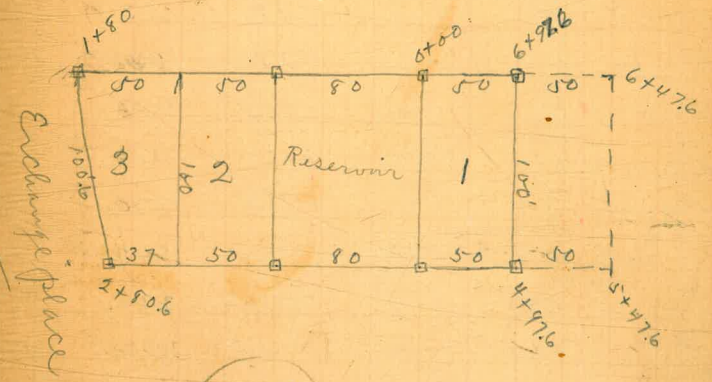
Sta		H.I.	Rod	Elev.
		250.41		
0+00	= N.E. cor. old Reservoir		12.3	238.1
+15			12.6	237.8
+30			12.1	238.3
+45		237.91	0.9	237.0
+60			3.0	234.9
+75			2.5	235.4
+90			3.9	234.0
1+05			6.9	231.0
+20			7.5	30.4
+35			7.4	30.5
+50			9.6	28.3
+65			12.0	N5.9
+80	cor. Exchange place BM		13.07	224.84 BM.
+95			10.7	27.N
2+10			6.6	31.3
+25		250.41	16.8	33.6
+40			13.3	37.1
+55			10.1	40.3
+70			5.4	45.0
+80.6	cor. Exchange		2.0	48.4
+85			0.9	49.5

Sta		H.I.	Rod	Elev.
3+00		259.04	7.8	51.N
+15			5.8	53.N
+30			4.7	54.3
+45			4.4	54.6
+60			4.2	54.8
+75			3.1	55.9
+90			1.4	57.6
4+05			2.2	56.8
+20			3.2	55.8
+35			4.9	54.1
+50			6.6	5N.3
+65			9.6	49.4
+80			13.0	46.0
+95		247.11	6.3	40.8
5+10			12.4	34.7
+24		229.10	0.6	N8.5
+25			2.6	N6.5
+84			4.4	N4.7
+40			7.3	N1.8
+47.6			7.6	N1.5

Tafolla Reservoir

Jan 6/09. { Childs. Barber Rogers

Sta		H.I.	Rod	Elev.
5+55		229.10	8.2	20.9
+70			9.4	19.7
+85			10.9	18.2
6+00			11.7	17.4
+15			12.6	16.5
+30			12.4	16.7
+45			12.8	16.3
+47.6			12.6	16.5
+60			7.4	21.7
+75		237.91	8.5	29.4
+90			3.7	34.2
7+05			1.2	36.7
+20		250.41	12.4	38.0
+35			12.1	38.3
+47.6	= 0+00 N.E. cor. of Reservoir		12.3	38.1



Exchange place

Bek. 79

x sec. La Jolla Reservoir

0+0 = 30' W. of E. St Line

Lockwood
Evans.
Brooks. } 1-12-09.

	12.95	237.79		224.84	B.M.
K. 0			12.9	224.9	
K+15			10.4	227.4	
K+30			7.4	230.4	
K+45			4.8	233.0	
K+60			1.1	236.7	
L 0			14.5	223.3	
L+15			11.7	226.1	
L+30			7.3	230.5	
L+45			5.8	232.0	
L+60			3.0	234.8	
M 0			14.9	222.9	
M+15			13.5	224.3	
M+30			9.4	228.4	
M+45			6.7	231.1	
M+60			4.4	233.4	
N+0			16.9	220.9	
N+15			13.4	224.4	
N+30			12.0	225.8	
N+45			8.2	229.6	
N+60			6.3	231.5	

O 0		237.79	17.5	220.3
O+15			14.8	223.0
O+30			12.9	224.9
O+45			10.5	227.3
O+60			6.7	231.1
O+75			4.1	233.7
P-0			18.0	219.8
P+15			15.7	222.1
P 30			14.1	223.7
P+45			11.5	226.3
P+60			7.5	230.3
P+75			4.4	233.4
T.P.	12.73	250.26	0.26	237.53
K+75			10.6	239.7
K+90			7.3	243.0
K1+05			3.4	246.9
L+75			12.1	238.2
L+90			8.4	241.9
L1+05			5.3	245.0
M+75			15.0	235.3
M+90			11.3	239.0
M1+05			6.3	244.0
M1+20			1.7	248.6
N+75			15.8	234.5
N+90			11.8	238.5

x sec. La Jolla Reservoir

		250.26			
N1+05			8.6	241.7	
N1+20			4.0	246.3	
O+90			14.2	236.1	
O1+05			11.4	238.9	
O1+20			6.0	244.3	
P+90			16.1	234.2	
P1+05			13.3	237.0	
P1+20			9.5	240.8	
P1+35			5.0	245.3	
T.P.	12.57	262.49	0.34	249.92	
K1+05			15.2	247.3	
K1+20			11.3	251.2	
K1+35			7.2	255.3	
K1+50			3.1	259.4	
L1+20			13.0	249.5	
L1+35			8.2	254.3	
L1+50			4.1	258.4	
M1+35			9.9	252.6	
M1+50			5.8	256.7	
M1+65			1.9	260.6	
N1+35			12.0	250.5	
N1+50			7.7	254.8	
N1+65			4.2	258.3	

O1+35		262.49	14.5	248.0
O1+50			11.2	251.3
O1+65			8.0	254.5
O1+80			7.0	255.5
O1+95			7.7	254.8
P1+50			15.3	247.2
P1+65			14.5	248.0
P1+80			13.6	248.9
P1+95			12.8	249.7
P2+10			11.9	250.6
T.P.	12.90	274.89	0.50	261.99
O2+10			19.6	255.3
O2+25			19.6	255.3
N1+80			16.8	258.1
N1+95			16.6	258.3
N2+10			16.7	258.2
N2+25		X	15.0	259.9
M1+80			13.4	261.5
M1+95			12.7	262.2
M2+10			10.9	264.0
M2+25			9.1	265.8
L1+65			12.8	262.1
L1+80			11.5	263.4

X sec. La Jolla Reservoir

L 1+95		274.89	9.7	265.2	G 1+80	274.89	7.9	267.0
L 2+10			7.5	267.4	G 1+95		5.4	269.5
L 2+25			6.0	268.9	G 2+10		2.5	272.4
K 1+65			11.6	263.3	G 2+25		1.5	273.4
K 1+80			9.2	265.7	F 1+80		8.3	266.6
K 1+95			7.7	267.2	F 1+95		4.9	270.0
K 2+10			5.7	269.2	F 2+10		3.0	271.9
K 2+25			5.0	269.9	F 2+25		1.5	273.4
J 1+80			8.0	266.9	E 1+80		8.8	266.1
J 1+95			5.0	269.9	E 1+95		6.2	268.7
J 2+10			4.0	270.9	E 2+10		3.7	271.2
J 2+25			3.6	271.3	E 2+25		0.8	274.1
I 1+80			7.0	267.9	D 1+80		9.8	265.1
I 1+95			4.0	270.9	D 1+95		7.1	267.8
I 2+10			2.9	272.0	D 2+10		4.7	270.2
I 2+25			2.8	272.1	D 2+25		0.8	274.1
H 1+80			7.3	267.6	C 1+80		12.7	262.2
H 1+95			4.4	269.5	C 1+95		10.3	264.6
H 2+10			3.0	271.9	C 2+10		8.0	266.9
H 2+25			2.3	272.6	C 2+25		5.6	269.3

x sec La Jolla Reservoir.

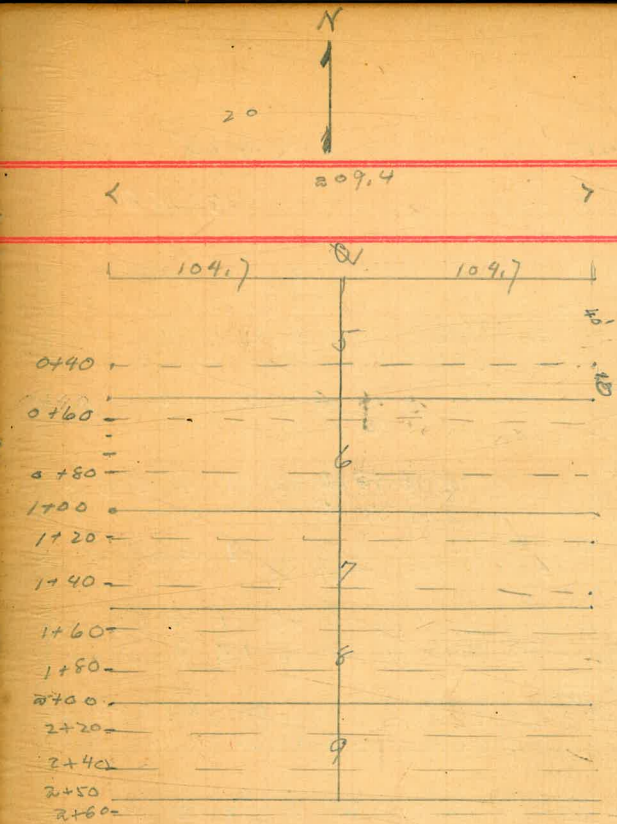
B. 1+80		274.89	17.0	259.9
B 1+95			15.3	259.6
B 2+10			12.3	262.6
B 2+25			9.6	265.3
T.P.	7.27	269.64	12.52	262.37
A 1+80			17.0	252.6
A 1+95			16.2	253.4
A 2+10			15.2	254.4
A 2+25			12.9	253.7

X

Contours La Jolla Reservoir

Lots 5, 6, 7, 8 & 9 Blk 7

			224.84	
12.63	237.47	0.61	236.86	
12.88	249.74	1.53	248.21	
13.03	261.24	0.88	260.36	
13.04	273.40	0.83	272.57	
11.07	283.88	1.01	282.87	TP
11.77	294.34			
12.22	294.79	0.19	294.60	
9.65	304.25	12.99	291.26	
0.26	291.52			
0.25	291.61	13.22	278.39	
0.47	278.86	12.89	265.97	
2.23	268.20	13.04	255.16	
3.73	258.89			



0+0 = Line dividing Lots 4 + 5

47

2+60

2+40

2+20

2+00

1+80

1+60

1+40

1+20

1+00

0+80

0+60

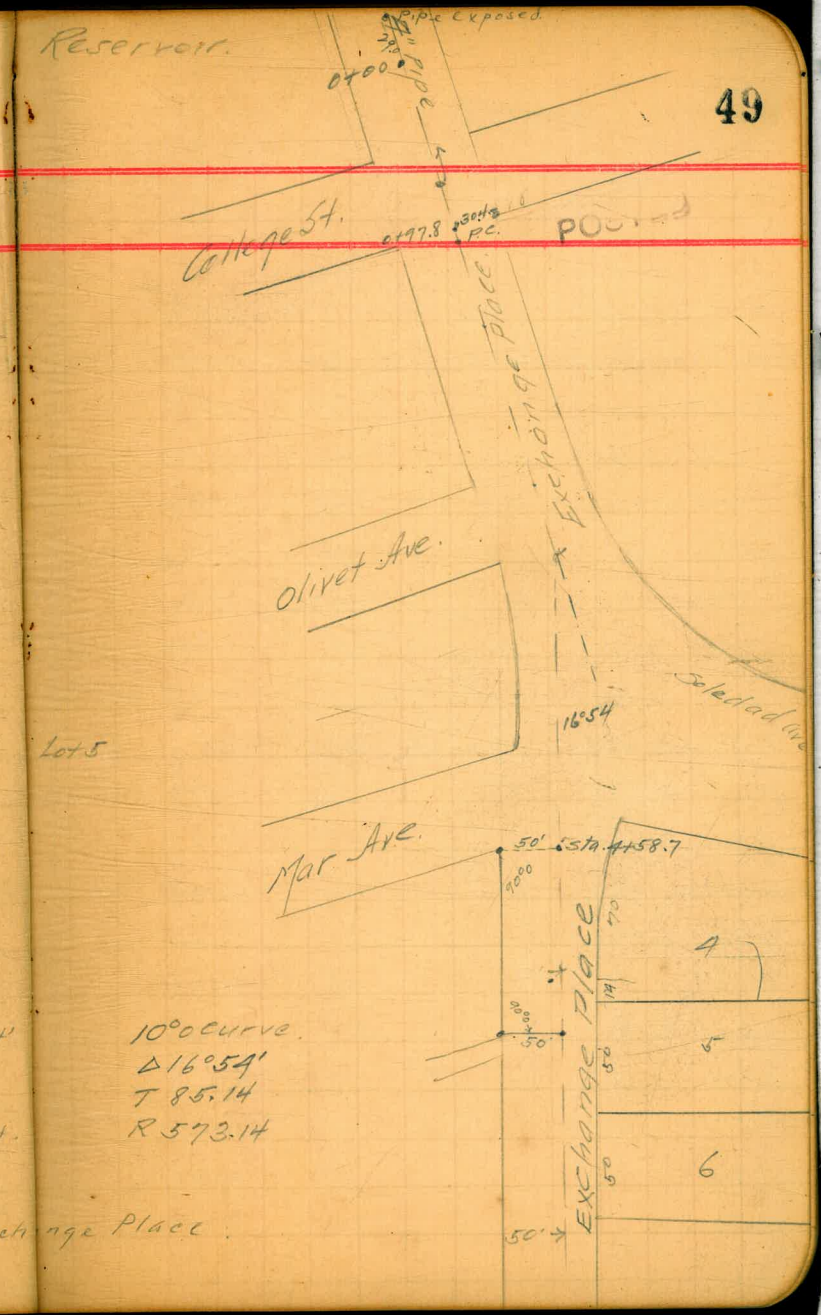
0+40

Survey of pipe Line La Jolla Reservoir.

POSTED

3-25-09
Lockwood
Evans
Taylor.

5+45	Pt. opp. apt. 14' W. of	Lot 5
4+58.7	Pt. of S side Mar Ave.	
1+69 Δ	P.T. LC. 169.0 T. 85.14 Δ 16°54' R. 573.14 P.C. 10° C to R.	10° curve. Δ 16°54' T 85.14 R 573.14
1+00 Δ	= S. Line College St.	
0+97.8	℄ pipe line	
0+00	Backsight on pipe line on Exchange Place.	



Levels on Pipe line on Exchange Place.

POSTED

Last location of Reservoir

	0.77	206.14	B.M. Ex. & Olivet	205.37
		196.0		
T.P.	1.91	195.99	12.06	194.08
Elev Pipe	29' W. of 0+00		16.4	179.6
0+00			13.8	182.2
+25			12.6	183.4
+50			8.6	187.4
+75			8.0	188.0
1+00			6.1	189.9
+25			3.0	193.0
+50			1.3	194.7
T.P.	12.64	207.75	0.88	195.11
1+75			10.3	197.4
2+00			8.5	199.2
2+25			5.9	201.8
2+50			4.0	203.7
2+69			2.6	205.1
2+75			2.2	205.5
3+00			0.9	206.8
T.P.	11.57	219.07	0.25	207.50
3+25			9.5	209.6
+50			7.0	212.1

POSTED

3+75		219.07	4.4	214.7
T.P.	12.77	231.14	0.70	218.37
4+00			11.0	220.1
+25			8.10	223.0
+50			3.7	227.4
+58.7			2.1	229.0
T.P.	12.76	243.50	0.40	230.74
4+75			10.5	233.0
5+00			4.3	239.2
T.P.	12.49	255.19	0.80	242.70
5+25			9.0	246.2
+50			4.4	250.8
T.P.	12.45	266.83	0.81	254.38
+75			12.6	254.2
Prop line inside 14' W. of Lot 5			5.7	261.1
25 W. Prop line 14' W. of Lot 5			2.5	264.3

4-26-09

Levels NE Cor. Exchange Place & Soledad

12.90	237.74		224.84	BM
12.28	249.87	0.15	237.59	
12.22	261.40	0.69	249.18	
		0.23	261.17	

B.M. = On Hub 50' S. of S.W. Cor. of top of inner slope. Elev 278.82

May 27/09 { Childs, Barber, Taylor

278.82
0.58
279.40 ✓
265
11.95
267.45
3.80
271.25
265.0
6.25
2.05
4.2

278.82
0.97
279.79 ✓
12.54
267.25 J.P.
4.07
271.32 ✓
265.0
6.32

June 21/09

278.82
0.04
278.86 ✓
12.79
266.07 J.P.
0.61
266.68 ✓
13.03
253.65 J.P.
1.30
254.95 ✓
249.67
5.28

250
33
249.67

278.82
0.12
278.94 ✓
12.60
266.34 J.P.
3.96
270.30 ✓
264.75
5.55

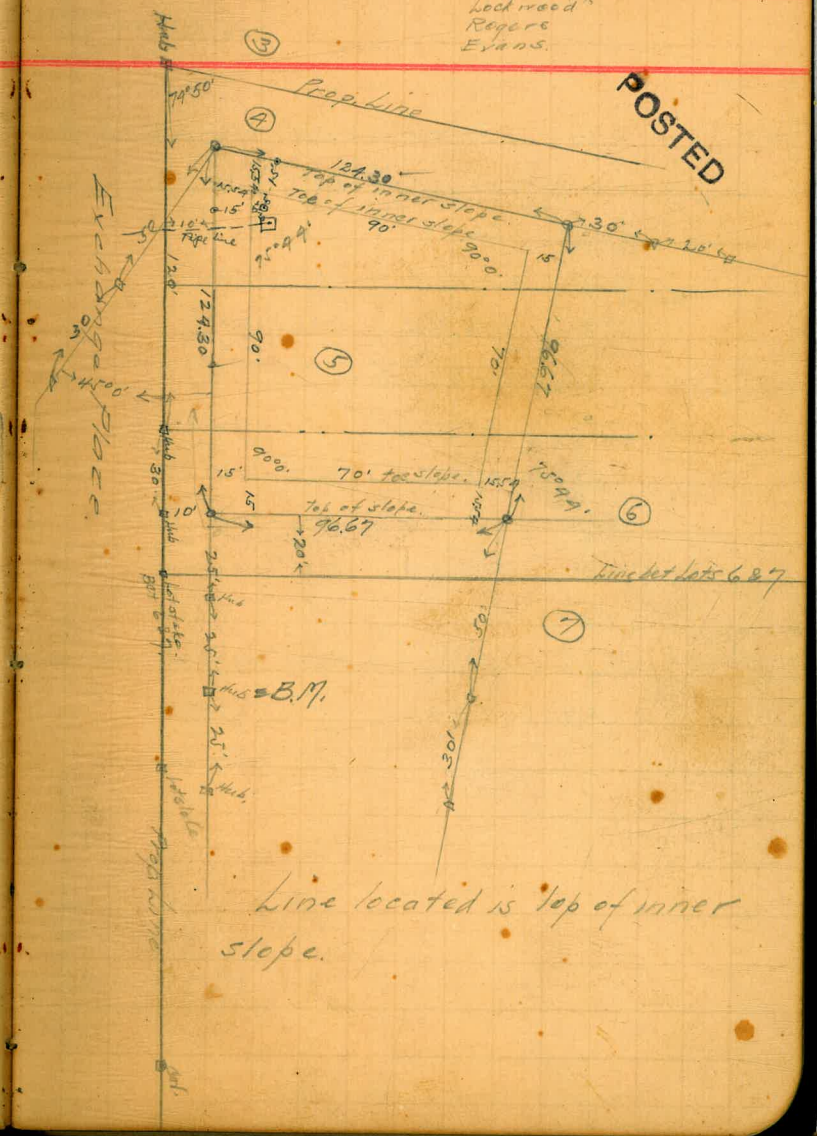
265
1.91
266.91 ✓
250
16.91
12.91
4.00

POSTED

Tie pts. - - - 4-26-09

La Jolla Reservoir 4-23-09

Lockwood
Rogers
Evans.



Line located is top of inner slope.

POSTED

	12.79	227.61		214.82 B.M.	
T.P.	11.77	238.99	0.39	227.22	
	12.81	251.33	0.47	238.52	
	12.30	263.47	0.16	251.17	
	9.79	271.98	1.28	262.19	
T.P.	6.78	278.46	0.30	271.68	
	Check Levels,				
	12.92	237.76		224.84	
	11.70	249.32	0.14	237.62	
	12.18	261.40	0.10	249.22	
	12.27	273.44	0.23	261.17	
	12.09	283.72	1.81	271.63	
			4.90	278.82	=B.M.
T.P.	11.63	294.36	0.99	282.73	
				292.79	
			1.57	292.82	

214.82
13.08
227.90
3.07
224.84

Elev Top of res. 265.00

265.0 N. Side
256.47 0+00
F 8.53

2.20 0+50
261.27
F 3.73

1+00
9.70
262.28
F 2.72

N.W. Cor.
12.20
259.78
F 5.22

E side
2.60
269.38
65
4.4

N.E. Cor.
2.40
276.0
265
C 11.0

South side
15
277.0
265
C 12.0

S.E. Cor.
5.0
273.5
265
C 8.5

West side
0+50
9.3
269.2
65
C 4.2

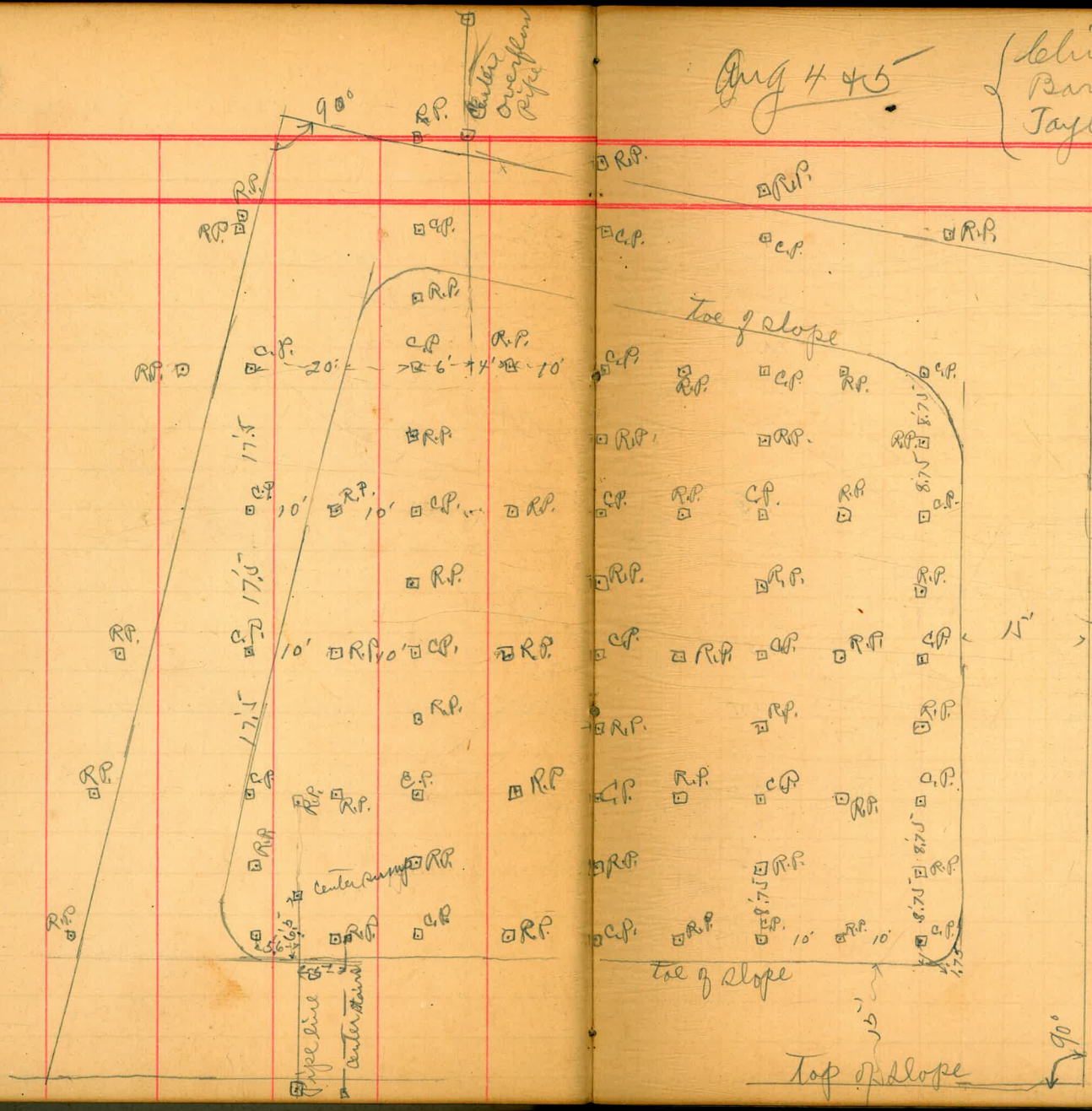
1+00
16.00
262.5
F 2.5

283.72
265.
18.72
10.4
8.3

on Hub 50' S. of S.W. Cor. of inner slope

Aug 4 45

Shields
Barber
Taylor



X sect. State from West line of Exchange place — Prospect to East line Oct. 13/11 {Childs Taylor Bunt

			H.I.			161.57		
J.P.		12.85	161.57		148.72			
	West line prospect					5' west		
no. line				11.1	150.5	no. line	9.2	152.4
				11.4		+3'	8.7	
				11.1		+2'	10.1	
C				10.5	151.1	C	9.0	
				10.3			10.1	
				9.5			9.9	151.7
So. line				9.2	152.4	+13	9.9	
						So. line	9.6	
							8.4	
							4.2	157.4
		2' west				25' west		
So. line				5.8	155.8	So. line	4.0	157.6
1' no.				8.8		+8'	4.0	
				9.2		+10'	6.9	
						cb.	8.1	
				10.1			8.5	
C				10.0	151.6	C	8.5	153.1
+11				10.4		+11	8.7	
				9.6			8.2	
						+12'	8.9	
				9.8			8.1	
no. line				9.3	152.3	n. line	8.6	153.0

161,57

		50' west			
no line +13				7.8	153.8
				7.3	
				8.0	
				7.3	
c				7.1	154.5
				7.1	
				6.5	
+4'				3.3	
so. line				2.8	158.8
		75' west.			
so line +11				1.3	160.3
				4.0	
				4.4	
				5.8	
c				6.1	155.5
				7.0	
				7.7	
+2'				6.9	
n. line				7.8	153.8

161,57

	100' west		
no line		7.8	153.8
		7.2	
		6.7	
c		5.4	156.2
		5.2	
		4.4	
+2'		3.1	
so. line		0.9	160.7
	125' west		
so. line		0.5	161.1
		3.8	
		4.5	
c		4.7	156.9
		5.6	
		6.5	
no line		7.4	154.2

161.57

		150' west		
no. line		8.0	153.6	
		7.0		
		5.7		
c		5.0	156.6	
		4.5		
		3.3		
so. line		2.2	159.4	
		175' west		
so. line		1.8	159.8	
		3.0		
		4.0		
c		4.7	156.9	
		5.8		
		6.8		
no. line		7.5	154.1	

161.57

		200' west		
no. line		6.3	155.3	
		6.0		
		5.0		
c		4.1	157.5	
		3.4		
		2.6		
so. line		1.2	160.4	
		225' west		
so. line		0.7	160.9	
		2.2		
		2.8		
c		3.0	158.6	
		3.8		
		5.2		
no. line		5.9	155.9	

161.57

250' west

no.line			5.0	156.6
			4.3	
			3.3	158.3
c			2.5	159.1
			1.9	
so.cb.		K.I.	0.7	
J.P.	8.63	169.24	0.96	160.61
so.line			7.1	162.02

275' west

so.line			6.0	163.2
			7.5	
			8.9	
c			9.5	159.7
			10.7	
			11.4	
No.line			12.2	157.0

169.24

300' west

no.line	11.7	157.5
	10.9	
	9.8	
c	8.7	160.5
	8.0	
	6.7	
so.line	5.6	163.6

325' west

so.line	5.5	163.7
	6.7	
	7.6	
c	8.2	161.0
	9.1	
	10.2	
no.line	11.2	158.0

			350' west				400' west		
no.line				10.7	158.5	no.line		9.1	160.1
				9.8				8.1	
				8.6				7.1	
c				7.2	162.0	c		6.7	162.5
				7.1				6.6	
				6.2				5.6	
no.line				5.3	163.4	no.line		4.3	164.9
			375' west				425' west		
no.line				5.0	164.2	no.line		3.5	165.7
				5.7				4.7	
				6.4				5.8	
c				7.0	162.2	c		6.1	163.1
				8.3				6.8	
				9.2				7.2	
no.line				9.9	159.3	no.line		7.8	161.4

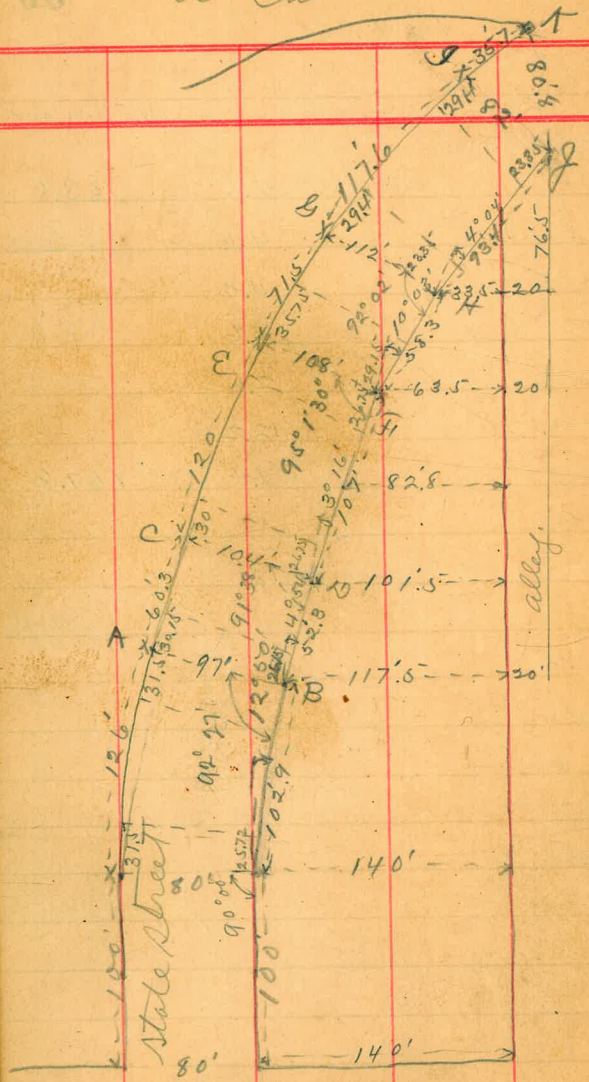
169.24

		450' west			
no. line			7.1	162.1	
			6.6		
			5.9		
c			5.5	163.7	
			4.8		
			3.8		
so. line			2.7	166.5	
		475' west			
so. line			1.8	167.4	
			2.4		
			2.5		
c			4.2	165.0	
			4.3		
			5.0		
no. line			5.7	163.5	

East line Exchange 481' on north
+500 on south

no. line	5.4	163.8
	4.6	
	4.0	
c	3.6	165.6
	2.6	
	2.2	
so. line	1.4	167.8

X sect. State Street from to Cave.



Prospect

Dec. 4 + 5/11 { Childs Taylor Bunker

15 2.11

		339	H.T. 15 2.11		148.72	B.M., State		
		East line prospect				50' east		
No. line				2.8	149 3	No. line +5'	5.1	147.0
							6.0	146.1
gutter				3.1			7.4	
				3.6				
				3.5			6.3	
C				2.8	149.3	C	5.9	146.2
gutter				2.0			5.6	
				0.7				
				0.10			5.4	
So. line				-0.2	15 2.3	So. line	3.4	148.7
		25' East.				75' east		
So. line				1.5	150.6	So. line +8'	5.6	146.5
				4.2			7.4	144.7
							7.2	
				3.9			7.1	
C				4.2	147.9	C	7.2	144.9
				4.7			7.5	
				5.9			9.0	145.6
C6+5'				3.6	148.5	+4	6.5	146.8
No. line				2.7	149.4	+12 No. line	3.3	
							0.9	146 2

15`2,11

100' East

no. line +5'			8.1 7.3	144.0 143.8
			9.1	
+4'			11.3	141.8
			10.1	
c			9.8	142.3
			9.6	
			9.7	
So. line			10.3	141.8
		125.72 east.		
So. line			12.7	139.4
			12.3	
			12.2	
c			12.4	139.7
No. 1/4			13.2	
		K.S.		
J.P.	1.78	141.80	12.09	140.02
cb			2.6	
No. line			4.8	137.0

141.80

151.44 East

no. line	13.3	128.5
	10.0	
+11	8.0	133.8
1/4	6.5	
+2	5.4	136.4
c	4.3	137.5
	4.1	
	4.3	
+12	4.6	
So. line	3.7	138.1

177.14 east

so. line	5.3	136.5
+8'	6.7	135.1
	6.3	
	6.2	
c	5.2	136.6
+6	8.2	
1/4	13.2	

141.80

202.9 east. Sect AB

C			10.8	131.0
			8.1	
/			7.9	
+10			8.2	
So. line			7.2	134.6

26.15 east AB

So line			8.7	133.1
+4'			10.1	
			9.9	
1/4			10.5	
+12			10.7	
C			14.8	129.0

Sect. C D

So. line			11.6	130.2
			11.8	
1/4			12.5	
I.P.	0.10	129.12 (H.S.)	12.78	129.02

177.14 east prospect

No. C6			4.6	
no. line			6.6	122.5

129.12

202.9 east (sect. AB)

~~No. line~~		
C6	13.2	116.9
1/4	9.4	

~~26.15 east AB~~

no. line		
C6		
1/4		

Sect. C D

1/4+14	2.3	
C	7.3	121.8

26.75 east C D

C	8.5	120.6
+8	8.4	
1/4	1.6	
	1.1	
So. line	1.2	127.9

		53.5 last C.D.			
So. line				3.3	125.8
				3.1	
1/4				3.5	
+13				5.6	
C				9.5	119.6
		80.25 east C.D.			
C				10.4	118.7
+4				8.1	
1/4				5.5	
				4.8	
So. line				5.0	124.1
		107' east C.D. = sect. E.F.			
So. line				6.6	122.5
				6.5	
				7.2	
+15				9.0	
C				12.8	116.3
		29.15 east E.F.			
4' west center				14.5	
C				11.3	117.8
				8.6	
				8.2	
So. line				8.6	120.5

H.I.
129.12

10.19 118.93 T.P. on rock in road above Booth's.

sect. G.H.

So. line			9.7	111.2
			9.7	
			10.1	
C			11.5	107.4
		H.I.		
T.P.	0.06	116.44	12.74	116.38
		202.9 east (sect A.B.)		
No. line			2.9	113.5
		26.15 East A.B.		
No. line			8.6	107.8
			5.5	
1/4			2.5	
		sect. C.D.		
No. line			11.8	104.6
Cb			9.6	
Cb+14			6.4	
1/4			4.7	

116.44

	26.75 east C.20			
no. line			13.9	102.5
			10.1	
			6.1	
¼+10			3.7	112.7
	53.5 east C.20.			
Cb.			13.5	
¼			10.1	
	80.25 east C.20			
no. ¼			11.1	
J.P.	25.9	K.I. 106.07	12.96	103.48
	53.5 east C.20.			
no. line			5.8	100.3
	80.25 east C.20.			
no. line			5.8	100.3
Cb.			4.0	
	sect E.F.			
no. line			7.7	98.4
			5.2	
¼			2.5	

106.07

	29.15 east E.F.		
no. line		8.2	97.9
		6.5	
66+15		4.4	101.7
¼		2.5	
	sect G.K.		
no. line		6.2	99.9
		4.4	
no. ¼		−0.5	106.6
J.P.	Top stake prop. line	6.09	99.98

			H.I.		
J.R.		1.8 0	120.73		118.93
		23.35 east Sect. G.H.			
Do. line				2.3	118.4
				2.2	
				2.5	
	C			3.4	117.3
	C+6			4.6	116.1
	1/4			13.2	
				16.2	
No. line				18.6	102.1
		46.70 east G.H.			
No. line				15.3	105.4
				13.3	
	C6+14'			11.3	109.4
	1/4 C+9'			9.5	
				4.9	115.8
				4.0	
				3.4	
				3.5	
Do. line				3.7	117.0

120.73

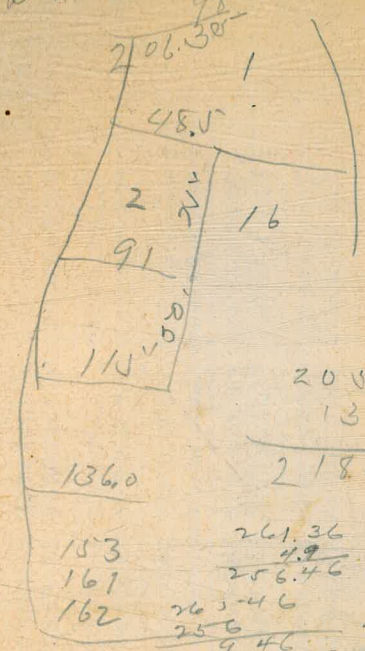
70.05 east G.H.

Do. line		3.7	117.0
		4.2	
		4.2	
	C	4.6	116.1
		5.8	
		9.9	
No. line		11.6	109.1
	Sect. F.J.		
No. line		6.7	114.0
		4.9	
		5.0	
	C	5.4	115.3
		5.0	
		5.2	
	C6+11	5.1	115.6
Do. line		1.1	119.6

		120,73			
	sect. on J.K.				
so. line +4'				1.1 5.3 5.5	119.6 115.4
				5.6	
c				5.8	114.9
1/4 + 11				6.6 6.8 5.1	
no. line				3.48	117.2

2				282.57
	0.43	283.00	11.70	271.30
			8.20	274.80
			7.00	276.00
			5.00	278.00
			2.50	280.50
			1.30	281.70

B.M. 205.37
98
206.35



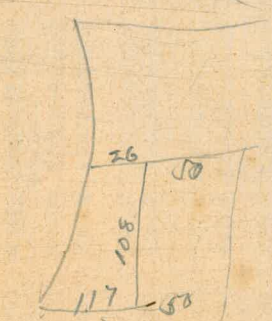
205.37
13
218.37

261.36
4.9
256.46

265.46
256
9.46

265
265
256.46
8.5

Beach



Stule

Return to City Engineers Office
City Hall, San Diego, Cal.

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City Hall, San Diego, Cal.

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24 62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28 40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38 67	67
23	92.05	39.07	91.88	39 47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89 69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60 53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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