Return to City Engineers Office
[illegible] Cal.

400
LEVEL

F.B. 431

Gardner Quality

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, and Mathematical Instruments, San Francisco.

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

431

MINUTES.	LKS.	MINUTES.		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	135½
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

431
MICROFILMED
1964

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

Crocker Quality

LEVEL BOOK

No. ~~400~~ 431

FROM
Loring's Book Store

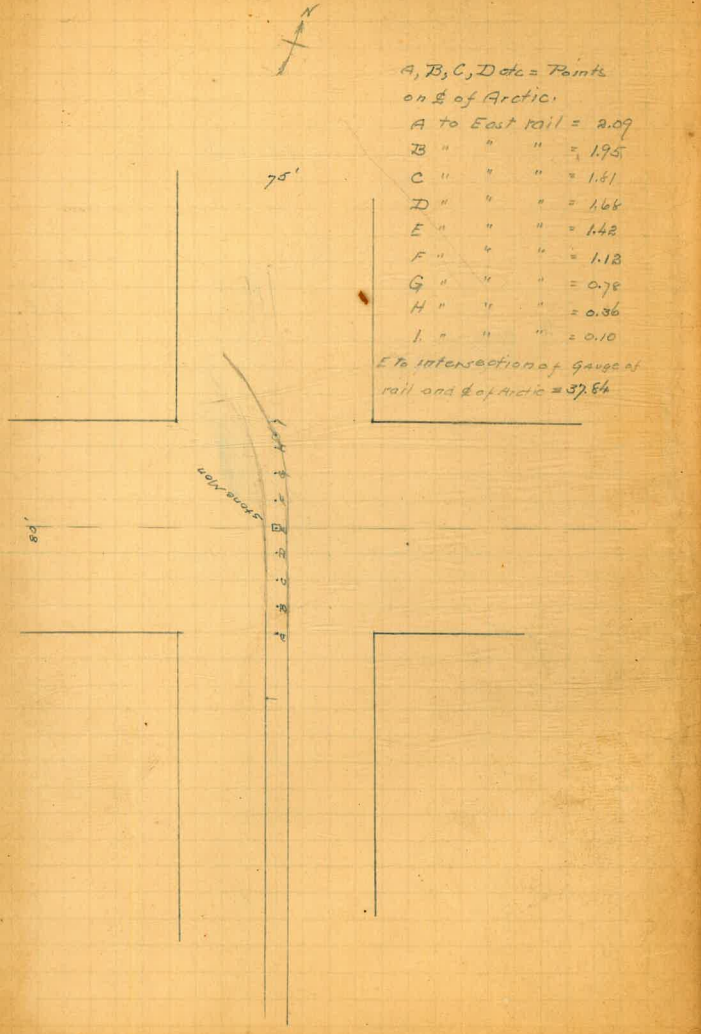
MANUFACTURED BY

A. S. Crocker Co.

SAN FRANCISCO
and
SACRAMENTO

I

Sketch Showing Location of La Jolla Tracks
at
Arctic & Willow Sts



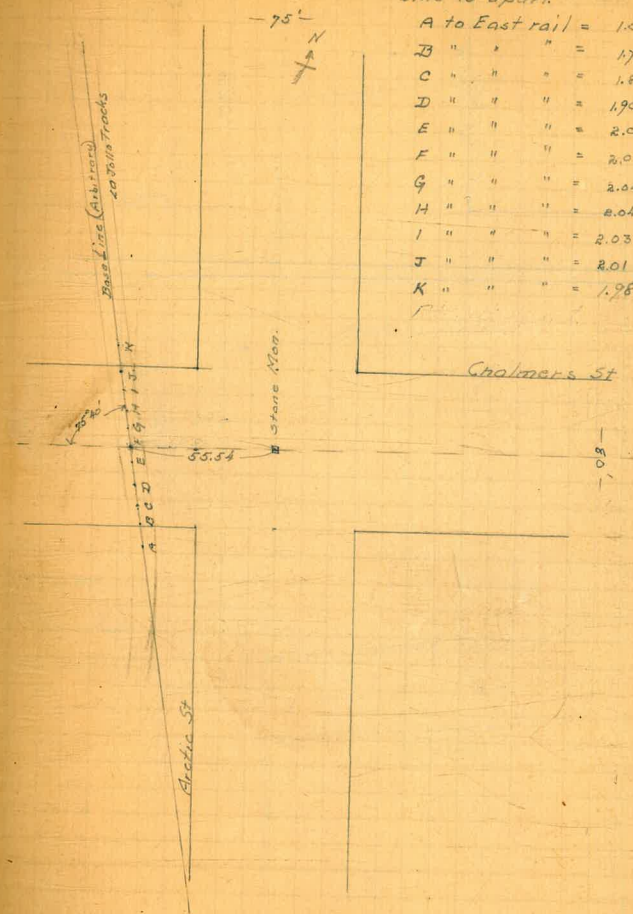
A, B, C, D etc = Points on ℄ of Arctic.

A	to	East	rail	= 2.09
B	"	"	"	= 1.95
C	"	"	"	= 1.81
D	"	"	"	= 1.68
E	"	"	"	= 1.42
F	"	"	"	= 1.12
G	"	"	"	= 0.78
H	"	"	"	= 0.36
I	"	"	"	= 0.10

E to intersection of Gauge of rail and ℄ of Arctic = 37.84

II

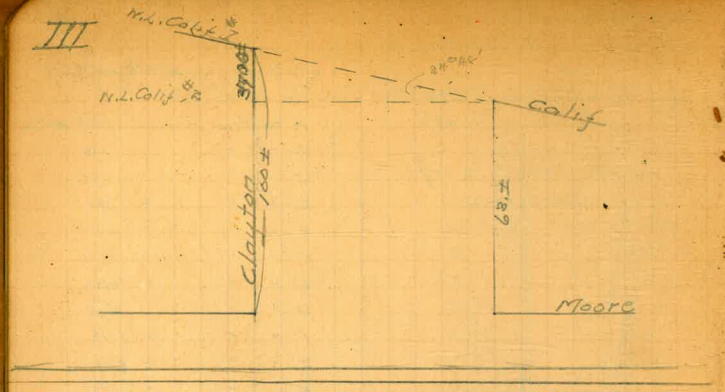
Sketch showing
LOCATION of LA JOLLA tracks
at
Arctic & Chalmers Sts.



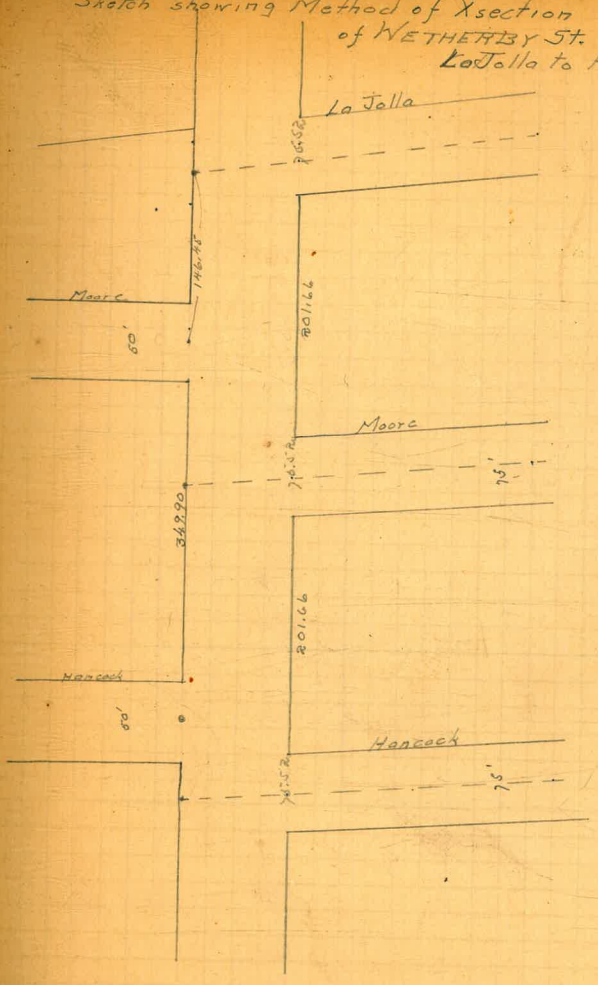
A to B to C etc = points on Base Line 10' apart.

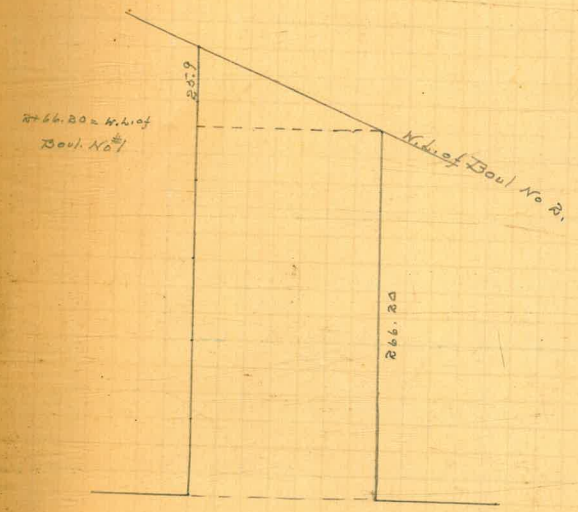
A	to	East	rail	=	1.54 atrt ∠s
B	"	"	"	=	1.78 " "
C	"	"	"	=	1.82 "
D	"	"	"	=	1.90 "
E	"	"	"	=	2.00 "
F	"	"	"	=	2.02 "
G	"	"	"	=	2.04 "
H	"	"	"	=	2.04 "
I	"	"	"	=	2.03 "
J	"	"	"	=	2.01 "
K	"	"	"	=	1.98 "

III



Sketch showing Method of Xsection of WETHERBY St. LaJolla to Hancock





R+66.20 = W.L. of
Boul. No #1
25.9
W.L. of Boul No 2.
266.20

Xsection Spruce St India to California

	W.L. of India			(86.54) spk in hole 5
N	0.01	86.55	2.50	84.1
C			2.60	84.0
1/4			2.90	83.7
℄			2.70	83.9
1/4			2.90	83.7
C			2.80	83.8
S			2.50	84.1
	15' W of India			
S			12.50	74.1
C			13.00	73.6
1/4			13.80	72.8
℄			11.90	74.7
1/4			11.00	75.6
C			11.50	75.1
N			11.50	75.1
T.P.			12.88	73.67

	50' W of India (73.67)			
N	0.21	73.88	2.90	71.0
C			2.60	71.3
1/4			3.30	70.6
℄			4.20	69.7
1/4			5.60	68.3
C			6.40	67.5
S			8.00	65.9
	100' W. of India			
S			14.90	59.0
C			14.20	59.7
1/4			13.40	60.5
℄			12.10	61.8
1/4			11.00	62.9
C			10.20	63.7
N			9.00	64.0
T.P.			13.15	60.73

POSTED

	150' W of India			(60,>3)
N	0.46	6 1.19	2.30	√8.9
C			3.50	57.7
¼			4.10	57.1
¢			4.30	√6.9
¼			4.90	56.3
C			5.40	55.8
S			5.60	√5.6
	200' W of India = E.L. of Arctic			
S			9.90	√1.3
C			10.10	51.1
¼			10.30	50.9
¢			10.30	√0.9
¼			9.60	51.6
C			8.60	52.6
N			9.30	√3.9

61.19

	E. Curb of Arctic			
N			8.20	√3.0
C			11.30	49.9
¼			11.30	49.9
¢			11.70	49√
¼			11.70	49.5
C			11.50	49.7
S			11.60	49.6
	E ¼ of Arctic			
S			8.10	√3.1
C			8.40	52.8
¼			8.40	52.8
¢			8.60	√2.6
¼			8.80	52.4
C			9.00	52.2
N			9.20	√2.0

POSTED

2' E of Track

N	61.19	9.00	√2.2
C		8.90	52.3
1/4		8.70	52.5
℄		8.40	√2.8
1/4		8.80	53.0
C		8.00	53.7
S		7.80	√3.4

W. Rail = 2.35' W. of ℄ of Arctic

S		6.87	√4.3
C		7.15	51
1/4		7.38	538
℄		7.60	√3.6
1/4		7.78	5 3.4
C		8.01	53.7
N		8.05	√3.1

61.19

2' W. of Track

N		9.10	√2.1
C		8.80	52.4
1/4		8.60	52.6
℄		8.40	√2.8
1/4		8.20	53.0
C		8.00	53.2
S		7.70	√3.5

W 1/4 of Arctic

S		9.30	√0.9
C		9.00	52.2
1/4		9.30	51.9
℄		9.90	√0.3
1/4		9.70	51.5
C		9.70	5 POSTED
N		10.10	√0.1
T.P.		13.65	48.54

4' W of W ¼ of Arctic 48.54

N	0.50	49.04	0.40	48.6
C			1.10	47.9
¼			1.40	47.6
℄			1.50	47.5
¼			1.40	47.6
C			1.40	47.6
S			1.50	47.5

W. Curb of Arctic

S			2.00	47.0
C			1.90	47.1
¼			2.00	47.0
℄			2.00	47.0
¼			1.80	47.2
C			1.40	47.6
N			0.30	48.7

49.04

W. L. of Arctic

N			2.30	46.7
C			2.50	46.5
¼			2.60	46.4
℄			2.60	46.4
¼			2.50	46.5
C			2.50	46.5
S			2.50	46.5

50' W of Arctic

S			4.10	44.9
C			4.40	44.6
¼			5.00	44.0
℄			5.30	43.7
¼			5.50	43.5
C			5.40	43.6
N			5.20	43.8

POSTED

100' W of Arctic

N	49.04	8.80	40.2
C		8.30	40.7
1/4		8.00	41.0
¢		8.70	40.3
1/4		7.90	41.1
C		7.60	41.4
S		6.60	42.4

150' W of Arctic

S		10.80	38.8
C		11.40	37.6
1/4		11.50	38.6
¢		12.30	36.7
1/4		11.80	37.2
C		12.80	36.2
N		12.20	36.8

49.04

165' W of Arctic =

			35.6
N		13.40	35.8
C		12.90	36.3
1/4		13.00	36.0
¢		14.90	34.3
1/4		12.80	36.2
C		11.90	37.1
S		12.00	37.0

200' W of Arctic = El. of California

S	~~0.47~~	~~37.39~~	13.20	35.8
T.R			13.12	35.93
C	0.47	36.39	9.00	29.4
1/4			8.80	27.6
¢			8.00	28.4
1/4			9.00	29.4
C			6.20	30.2
N			1.20	35.2

POSTED

E. Rail of Santa Fe tracks = 28.50' W. of E.L.

N	36.39	8.31	28.1
C		8.24	28.2
¼		8.18	28.3
¢		6.05	28.3
¼		7.96	28.4
C		7.83	28.6
S		7.75	28.6

Xsec. of Sassafras St India to Calif dia.

E. Rail of Santa Fe tracks = 28.50' W of E.L.

N		10.68	25.7
C		10.61	25.8
¼		10.52	25.9
¢		10.45	25.9
¼		10.34	26.1
C		10.30	26.1
S		10.21	26.2

36.39

E.L. of Calif

S		9.80	26.6
C		10.00	26.4
¼		10.40	26.0
¢		14.80	22.2
¼		15.00	21.4
C		14.60	21.8
N		13.90	22.7

20' E of Calif

N		14.80	21.6
C		14.40	22.0
¼		14.90	21.5
¢		14.80	21.6
¼		8.00	28.4
C		7.70	28.7
S		8.30	26.1

POSTED

25' E of Calif

S		36.39	1.70	28.7
C			1.70	28.7
1/4			1.80	28.6
℄			8.70	27.7
1/4			9.20	27.2
C			9.30	27.1
N			9.60	26.8

50' E of Calif

N			6.80	29.6
C			7.30	29.1
1/4			7.30	29.1
℄			7.70	28.7
1/4			6.60	29.8
C			6.60	29.8
S			8.10	28.3

36.39

100' E of Calif

S			1.30	35.1
C			1.40	35.0
1/4			1.40	35.0
℄			2.20	34.2
1/4			2.10	34.3
C			2.40	34.0
N			1.90	34.5
TP			0.00	36.39

150' E of Calif.

N	11:54	48.23	8.80	39.4
C			8.80	39.4
1/4			8.40	39.8
℄			8.10	40.1
1/4			8.90	39.3
C			9.10	39.1
S			8.80	39.4

POSTED

W. L. of Arctic

S	48.23	3.20	47.0
C		3.20	45.0
1/4		3.40	44.8
℄		3.30	44.9
1/4		3.40	44.8
C		3.50	44.7
N		3.40	44.8

W. curb of Arctic

N		3.20	47.0
C		3.20	45.0
1/4		3.00	45.0
℄		2.90	47.3
1/4		2.60	45.6
C		2.50	45.7
S		2.50	47.7

W 1/4 of Arctic

S	48.23	1.00	47.2
C		1.20	47.0
1/4		1.40	46.8
℄		1.60	46.6
1/4		2.10	46.1
C		2.40	45.8
N		1.80	46.4

2' W of track

N		1.60	46.6
C		1.60	46.6
1/4		1.40	46.8
℄		1.10	47.1
1/4		0.90	47.3
C		0.80	47.0
S		0.40	47.8
TR		0.09	48.14

POSTED

W. Rail of track = 2.35' W of ℄ (48.14

S	12.37	60.51	11.80	48.7
C			11.98	48.5
¼			12.19	48.3
℄			12.38	48.1
¼			12.61	47.9
C			12.86	47.6
N			13.09	47.4

E of Rail

N			13.70	46.8
C			13.60	46.9
¼			13.30	47.2
℄			13.00	47.5
¼			12.10	48.4
C			12.10	48.4
S			12.30	48.2

60.51

E ¼ of Arctic

S			10.30	√0.2
C			12.00	48.5
¼			11.40	49.1
℄			10.20	√0.3
¼			9.40	51.1
C			9.50	51.0
N			10.80	49.7

E Curb of Arctic

N			9.90	√0.6
C			9.70	50.8
¼			9.20	51.3
℄			8.70	√1.8
¼			10.00	50.5
C			10.00	50.5
S			10.20	√0.3

POSTED

E.L. of Arctic

S	60.51	7.90	52.6
C		7.80	57.7
1/4		8.60	51.9
¢		7.60	52.9
1/4		7.40	57.7
C		8.40	57.1
N		8.80	51.7

50' E of Arctic

N		4.90	55.6
C		4.40	56.1
1/4		3.90	56.6
¢		3.30	57.2
1/4		2.30	58.2
C		2.00	58.5
S		1.60	58.9
TP		0.26	60.25

100' E of Arctic 60.85

S	12.60	72.85	8.50	64.4
C			9.20	63.7
1/4			10.20	62.7
¢			11.40	61.5
1/4			12.20	60.7
C			12.50	60.4
N			11.30	61.6

150' E of Arctic

N		5.00	67.9
C		5.30	67.6
1/4		7.00	65.9
¢		7.30	65.6
1/4		6.50	66.4
C		5.00	67.9
S		3.00	69.9

POSTED

	185' E of Arctic				
S		78.85	0.00	72.9	
C			1.10	71.8	
1/4			2.10	70.8	
¢			3.40	69.5	
1/4			2.10	70.8	
C			1.10	71.8	
N			0.30	72.6	
TP			0.27	72.85	
	200' E of Arctic = W.L. Calif.				
N	12.81	85.39	2.20	83.2	
C			2.60	82.8	
1/4			2.50	82.9	
¢			2.50	82.9	
1/4			2.50	82.9	
C			2.60	82.8	
S			2.20	83.2	
TP			0.16	85.23	
	4.92	90.15	0.53	89.62	89.63

Xsection of Thermal St - India to Calif.

		W.L. of India			89.63
S	0.14	89.77	2.60	87.2	
C			3.00	86.8	
1/4			3.20	86.6	
¢			3.00	86.8	
1/4			3.00	86.8	
C			2.80	87.0	
N			2.70	87.1	
TP			13.03	76.74	
	45' W. of India				
N	0.68	77.42	4.30	73.1	
C			3.70	73.7	
1/4			3.40	74.0	
¢			3.40	73.0	
1/4			3.80	73.6	
C			3.40	74.0	
S			4.20	73.2	

POSTED

50' W of India

S		77.48	10.60	66.8
C			10.40	67.0
1/4			10.00	67.4
¢			9.40	68.0
1/4			9.60	67.8
C			10.20	67.2
N			11.30	66.1
TP.			13.16	64.26

100' W of India

N	0.44	64.70	7.40	57.3
C			6.10	69.3
1/4			7.10	70.3
¢			6.70	58.0
1/4			6.90	70.5
C			7.30	70.1
S			7.30	57.4
TP			18.81	51.69

150' W of India (51.59)

S	0.05	51.94	2.00	49.9
C			2.00	49.9
1/4			2.20	49.7
¢			2.60	49.3
1/4			2.10	49.8
C			2.40	49.5
N			2.20	49.7

200' W of India = El. Arctic

N			9.80	42.1
C			9.70	42.2
1/4			9.50	42.4
¢			9.50	42.4
1/4			9.10	42.8
C			9.20	42.7
S			8.90	43.0

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E. Curb of Arctic

S	51.94	11.40	40.5
C		11.70	40.2
1/4		11.90	40.4
℄		12.20	39.7
1/4		12.10	39.8
C		12.40	39.5
N		12.70	39.2

Curb 4 + 7' of Arctic

N	13.00	38.9
C	12.80	39.1
1/4	12.90	39.2
℄	12.50	39.4
1/4	12.40	39.5
C	12.30	39.6
S	11.70	40.2

51.94

E 1/4 of Arctic

S	10.30	41.6
C	10.50	41.4
1/4	10.90	41.2
℄	11.00	40.9
1/4	11.20	40.7
C	11.60	40.3
N	11.10	40.9

N' E of Tracks

N	11.00	40.9
C	10.80	41.1
1/4	10.80	41.1
℄	10.60	41.3
1/4	10.40	41.5
C	10.30	41.6
S	10.10	41.8

POSTED

N. Rail of La Jolla Tracks (5189)

S	0.01	51.90	9.24	42.7
C			9.44	42.5
1/4			9.60	42.3
℄			9.77	42.1
1/4			9.90	42.0
C			10.05	41.8
N			10.22	41.7

2' W of Track

N			11.00	40.9
C			10.90	41.0
1/4			10.70	41.2
℄			10.50	41.4
1/4			10.40	41.5
C			10.30	41.6
S			10.10	41.8

W 1/4 of Arctic

S		51.90	13.20	38.7
C			13.40	48.3
1/4			13.70	48.2
℄			13.30	38.6
1/4			13.40	48.5
C			12.80	49.1
N			12.80	39.1
T.P.			13.08	38.82

W Curb of Arctic

N	0.24	39.86	5.50	33.6
C			6.00	33.1
1/4			5.70	33.4
℄			5.30	33.8
1/4			5.40	33.5
C			4.90	34.2
S			4.40	34.7

POSTED

W. L. of Arctic

S	39.06	4.10	35.0
C		4.50	34.6
¼		5.10	34.0
¢		6.10	32.4
¼		7.60	31.5
C		8.10	31.0
N		8.10	31.0

50' W of Arctic

N		11.10	27.4
C		11.60	27.3
¼		11.80	27.3
¢		11.60	27.5
¼		11.50	27.6
C		11.50	27.6
S		11.00	28.1
Tot:		13.18	25.94

0.58 26.46

100' W of Arctic

S	26.46	3.80	22.7
C		3.70	22.8
¼		4.00	22.5
¢		4.40	22.1
¼		4.50	22.0
C		4.30	22.2
N		4.60	21.9

150' W of Arctic

N		8.10	17.8
C		8.60	17.9
¼		8.50	18.0
¢		9.00	17.5
¼		9.00	17.5
C		8.40	18.1
S		8.00	18.5

POSTED

	185' W of Arctic			
S		26.46	14.30	12.2
C			14.30	17.2
1/4			14.60	11.9
¢			14.60	11.9
1/4			14.60	11.9
C			14.90	11.9
N			14.60	11.9
	200' W of Arctic = E.L. of Calif			
N			11.60	14.9
C			11.00	15.5
1/4			11.10	15.4
¢			11.00	15.5
1/4			11.10	15.4
C			10.50	15.7
S			10.10	16.4

E. Bdl of Santa Fe = 22.50' W. of E.L. of Calif

S	26.46	2.40	24.1
C		2.50	24.0
1/4		2.59	23.9
¢		2.66	23.80
1/4		2.77	23.7
C		2.85	23.6
N		2.92	23.5
TP.		3.42	22.64

POSTED

Section of Upas (28.44)
Calif-to India

E. Rail Santa Fe tracks

S	3.84	26.48	3.54	22.94
C			3.50	23.0
1/4			3.50	23.0
℄			3.51	23.0
1/4			3.51	23.0
C			3.51	23.0
N			3.50	23.0

E.L. of Calif.

N			8.90	17.6
C			8.80	17.7
1/4			8.90	17.6
℄			9.10	17.4
1/4			9.05	17.5
C			9.10	17.4
S			9.20	17.3

12' E of Calif

S		26.48	4.60	21.9
C			4.20	22.3
1/4			3.90	22.6
℄			4.40	22.1
1/4			4.70	21.8
C			5.20	21.3
N			5.50	21.0

50' E of Calif

N			2.20	24.3
C			2.30	24.2
1/4			2.40	24.1
℄			2.00	24.5
1/4			1.70	24.8
C			2.10	24.4
S			1.50	25.0
T.P.			0.05	26.43
		13.19	39.22	

POSTED

	100' E of Calif			
S		39.22	11.00	28.2
C			10.50	28.7
1/4			10.20	29.0
℄			10.00	29.2
1/4			10.50	28.7
C			10.90	29.3
N			10.90	28.3
	150' E of Calif			
N			4.40	34.8
C			4.50	34.7
1/4			4.60	34.6
℄			4.60	34.6
1/4			5.00	34. ✓
C			5.20	33.9
S			5.40	33.8

39.22

	200' E of Calif = W.L. of Arctic			
S			1.50	37.7
C			0.90	38.3
1/4			0.50	38.7
7.72			0.09	39.13
℄	12.62	51.75	12.00	39.8
1/4			12.20	39.6
C			12.00	39.8
N			12.20	39.6
12 ft	E. Curb of Arctic			
N			11.20	40.6
C			10.60	41. ✓
1/4			10.90	41.1
℄			10.80	41.0
1/4			11.80	40.0
C			12.50	39.3
S			13.00	38.8

POSTED

13 ℄ E ½ of Arctic

S	5'1.5	12.30	39.√
C		12.20	39.6
¼		12.50	39.3
℄		12.30	39.√
½		12.20	39.6
C		12.20	39.6
N		12.40	39.4

2' W of Rail

N		12.10	39.7
C		12.10	39.7 √
¼		12.10	39.7
℄		12.10	39.7
¼		12.20	39.6
C		12.00	39.8
S		12.00	39.8

W. Rail of La Jolla Tracks = 2.35' W of E of Arctic

S		11.27	40.√
C		11.30	40.5
¼		11.31	40.√
℄		11.31	40.√
¼		11.31	40.√
C		11.32	40.5
N		11.33	40.√

2' E of Track

N		12.00	39.8
C		12.00	39.8 √
¼		12.10	39.7
℄		12.00	39.8
¼		12.10	39.7
C		12.00	39.8
S		12.00	39.8

POSTED

E. ¼ of Arctic

S	51.35	10.70	41.1
C		11.50	40.3
¼		11.40	40.4
¢		11.20	40.6
¼		11.30	40.5
C		11.40	40.4
N		11.10	40.7

6 E of E ¼ of Arctic

N	6.90	44.9
C	6.80	45.0
¼	7.00	44.8
¢	7.10	44.7
¼	7.20	44.6
C	7.40	44.4
S	8.60	43.2

E Curb of Arctic

S	51.75	7.70	44.1
C		7.10	44.7
¼		6.60	45.2
¢		6.40	45.4
¼		6.20	45.6
C		5.90	45.9
N		6.10	45.7

E. ¼ of Arctic

N	5.10	46.7
C	5.20	46.6
¼	5.40	46.4
¢	5.70	46.1
¼	5.80	46.0
C	6.00	45.8
S	6.70	45.1

POSTED

50' E of Arctic

S		51.75	2.10	49.7
C			1.70	50.1
1/4			1.70	50.1
℄			1.50	50.3
1/4			1.20	50.6
C			0.90	50.9
N			0.70	51.1
T.P.			0.00	51.75

100' E of Arctic

N	12.95	64.70	8.70	56.0
C			8.90	55.8
1/4			9.30	55.4
℄			9.20	55.5
1/4			9.50	55.2
C			9.10	55.6
S			9.00	55.7

150' E of Arctic

S		64.70	0.90	63.8
C			1.40	63.3
1/4			1.80	62.9
℄			3.00	61.7
1/4			3.80	60.9
C			4.00	60.7
N			3.80	60.9

25' E of Arctic

N			0.60	64.1
C			0.60	64.1
1/4			1.00	63.7
T.P.			0.33	64.37
℄	12.91	77.28	12.10	65.2
1/4			9.60	67.7
C			8.60	68.7
S			7.80	69.5
T.P.			0.10	77.18

POSTED

X section of Kure St India to Calif.

		W.L. of India.		(28.32)	(India + Willow)
N	9.61	81.94	2.00	79.9	
C			2.10		
1/4			2.20		
¢			1.50	80.4	
1/4			1.40		
C			1.10		
S			0.80	81.1	
		10' W of India			
S			1.30	80.8	
C			1.60		
1/4			2.30		
¢			2.40	79.√	
1/4			4.80		
C			6.00		
N			7.70	74.2	POSTED

200' E of Arctic = W. India (77.18)

S	9.72	86.90	4.70	82.2	
C			4.90	82.0	
1/4			5.00	81.9	
¢			4.90	82.0	
1/4			5.20	81.7	
C			5.00	81.9	
N			4.80	82.1	
TP.			3.84	83.06	
			2.80	84.10	
	5.65	89.75	0.13	89.62	89.63

25' W of India

N	21.94	10.70	71.2
C		9.30	
¼		8.10	
¢		7.70	74.2
¼		7.40	
C		6.70	
S		5.90	76.0

50' W of India

S		11.90	70.0
C		12.10	
¼		12.70	
¢		12.90	69.0
¼		13.00	
C		14.50	
N		17.00	64.9
T.P.		13.08	68.86

100' W of India (64.66)

N	0.29	69.15	13.70 √√√
C			13.50
¼			13.00
¢			12.60 √6.6
¼			11.70
C			11.50
S			11.30 √7.9
T.P.			13.06 56.09

150' W of India

S	0.21	56.30	7.70 48.6
C			7.40
¼			7.20
¢			7.20 49.1
¼			7.00
C			7.30
N			7.30 49.0
T.P.			12.83 43.47

POSTED

E. L. of Avenue (200' W of India) 43.47

N	0.78	44.25	2.00	42.3
C			1.90	
¼			1.80	
℄			1.70	43.2
¼			1.80	
C			1.40	
S			1.50	42.8

E Curb of India

S			3.50	40.8
C			3.00	
¼			2.90	
℄			3.00	41.3
¼			3.90	
C			3.30	
N			4.50	39.8

E ¼ of India

N	44.25	7.70	36.6
C		7.70	
¼		7.70	
℄		7.60	36.5
¼		7.10	
C		7.40	
S		7.50	36.8

2' E of Track

S		5.20	39.1
C		5.20	
¼		5.40	
℄		5.30	39.0
¼		5.20	
C		5.30	
N		5.20	39.1

N. Rail of La Jolla Tracks = 435' W of ℄

N	44.25	4.43	39.8
C		4.43	
1/4		4.43	
℄		4.43	39.8
1/4		4.45	
C		4.40	
S		4.38	39.9

2' W of Track

S		5.10	39.2
C		5.30	
1/4		5.20	
℄		5.20	39.1
1/4		5.30	
C		5.30	
N		5.30	39.0

W 1/4 of Arctic

N	44.25	9.90	36.4
C		9.80	
1/4		9.10	
℄		9.20	35.1
1/4		9.50	
C		9.30	
S		9.30	35.0

W. Curb of Arctic

S		11.00	33.3
C		11.10	
1/4		10.80	
℄		10.50	33.5
1/4		10.10	
C		8.90	
N		8.60	35.7

POSTED

W. of Arctic

N	44.25	4.60	37.7
C		9.70	
1/4		10.10	
℄		10.90	33.4
1/4		11.30	
C		11.70	
S		12.20	32.1
TP		13.16	31.09

50' W. of Arctic

S	1.90	32.99	3.20	29.8
C			2.50	
1/4			2.00	
℄			1.30	31.8
1/4			0.60	
C			0.40	
N			0.10	32.9

100' W of Arctic

N	32.99	2.90	30.1
C		3.20	
1/4		3.40	
℄		3.70	29.3
1/4		4.00	
C		4.20	
S		4.90	28.1

150' W of Arctic

S		1.60	27.4
C		6.80	
1/4		6.90	
℄		6.50	26.5
1/4		6.30	
C		5.80	
N		5.60	27.4

200' W of Arctic

N	32.99	8.20	24.8	
C		8.40		
1/4		9.00		
¢		10.00	23.0	
1/4		10.70		
C		10.60		
S		11.00	22.0	
TP		1.94	31.05	

Intersection of Willow St (Calif to India)

E.L. of California (21.05

S	9.16	40.21	12.80	27.4
C			12.40	
1/4			12.90	
¢			12.20	28.0
1/4			12.00	
C			11.50	
N			11.90	28.3

50' E of Calif

N			9.00	31.2
C			9.30	
1/4			9.50	
¢			9.10	31.1
1/4			9.00	
C			10.40	
S			10.70	29.5

POSTED

100' E of Calif

S		40.21	8.30	31.9
C			8.40	
1/4			8.50	
¢			8.20	32.0
1/4			7.90	
C			7.40	
N			7.10	33.2
T.P.			2.53	37.68

150' E of Calif.

N	2.40	45.08	9.80	35.3
C			10.00	
1/4			10.20	
¢			10.50	34.6
1/4			10.60	
C			10.90	
S			11.20	33.9

200' E of Calif = W.L. of Arctic

S		45.08	9.80	35.9
C			8.80	
1/4			8.60	
¢			8.20	36.9
1/4			8.10	
C			7.90	
N			7.40	37.7

W. Curb of Arctic

N			7.10	38.0
C			7.50	
1/4			7.90	
¢			8.00	37.1
1/4			8.40	
C			8.90	
S			9.10	36.8

REJECTED

W ½ of Arctic

S	45.08	8.60	36.✓
C		8.10	
¼		8.40	
℄		7.90	37.2
¼		7.30	
C		6.80	
N		6.20	39.9

R' W of Tracks (For position of Tracks see sketch Front of Book)

N		4.10	41.0
C		4.30	
¼		4.40	
℄		4.60	40.✓
¼		4.80	
C		5.00	
S		5.10	40.0

W. Rail of La Jolla Tracks

S	45.08	4.20	40.9
C		4.10	
¼		3.90	
℄		3.75	41.3
¼		3.60	
C		3.45	
N		3.33	41.9

R' E of Tracks

N		3.60	41.✓
C		3.90	
¼		4.10	
℄		4.20	40.9
¼		4.30	
C		4.60	
S		4.70	40.4

POSTED

E ¼ of Arctic

S	45.08	7.50	37.6
C		7.10	
¼		6.90	
℄		6.50	38.6
¼		6.10	
C		5.40	
N		4.80	40.3

F. Curb of Arctic

N		4.50	40.6
C		4.80	
¼		5.20	
℄		5.60	39.5
¼		5.90	
C		6.10	
S		6.20	38.9

E. 4 of Arctic

S	45.08	6.20	38.9
C		6.00	
¼		5.60	
℄		5.50	39.6
¼		5.40	
C		4.20	
N		4.00	41.1

50' E. of Arctic

N		2.00	43.1
C		2.10	P
¼		2.90	
℄		3.30	41.8 P
¼		3.90	
C		4.30	
S		4.80	40.8 POSTED

100' E of Arctic

S		46.08	2.70	42.4
C			2.10	
1/4			2.10	
¢			1.70	43.4
1/4			1.00	
C			0.40	
N			+ 0.10	46.30
T.P.			0.02	45.06

150' E of Arctic

N	12.33	57.39	10.10	47.3
C			10.50	
1/4			10.70	
¢			10.30	47.1
1/4			9.40	
C			8.60	
S			7.50	49.9

175' E of Arctic

S		57.39	+1.00	58.40
C			0.80	
1/4			1.50	
¢			2.80	✓4.6
1/4			5.00	
C			5.90	
N			6.40	✓1.0
TP.			0.00	57.39

200' E of Arctic = W.L. of India

N	13.08	70.47	0.40	70.1
C			1.00	
1/4			1.00	
¢			0.80	69.7
1/4			1.10	
C			0.70	
S			0.60	69.9
TP.			0.71	69.76
	3.32	72.98	0.68	72.30
	0.64	73.01	4.71	68.30

POSTED

72.335 ✓

X section of Chalmers St. India to Colf

	W. L. of India			(68.30)
S	0.37	68.67	2.60	6 √ 9
C			2.70	
¼			3.40	
℄			2.80	6 √ 9
¼			2.90	
C			2.80	
N			2.50	66.2
	50' W of India			
N			5.80	62.9
C			5.90	
¼			6.90	
℄			6.80	61.9
¼			6.90	
C			7.90	
S			7.90	60.8

	100' W. of India			
S		68.67	11.30	√ 7.4
C			12.00	
¼			9.90	
℄			11.10	√ 7.6
¼			10.00	
C			10.10	
N			9.60	√ 9.1
	250' W of India			
N			12.60	√ 6.1
C			12.10	
¼			13.00	
℄			12.20 / 12.96	√ 6. √ 35.71
¼	2.06	57.77	3.00	
C			3.40	
S			4.10	√ 3.7

POSTED

200' W of India = E.L. of Arctic

S	5).77	).50	√0.3
C		6.10	
¼		5.30	
℄		4.00	√3.8
¼		3.80	
C		3.80	
N		4.10	√3.7

E Curb of Arctic

N		4.30	√3.√
C		4.40	
¼		4.40	
℄		4.60	√3.2
¼		6.60	
C		).90	
S		8.20	49.6

E ¼ of Arctic

S	√7.77	8.00	49.8
C		).80	
¼		).00	
℄		5.00	√2.8
¼		4.70	
C		4.50	
N		4.60	√3.2

℄ of Arctic

N		4.60	√3.2
C		5.00	
¼		5.30	
℄		5.80	√2.0
¼		).90	
C		8.10	
S		8.50	49.3

POSTED

W ½ of Arctic

S	5).77	12.00	45.8
C		11.20	
¼		9.00	
℄		6.)0	51.1
¼		6.00	
C		6.10	
N		6.40	51.4

W. Curb of Arctic

N		5.80	52.6
C		5.90	
¼		8.10	
℄		8.)0	49.1
¼		11.40	
C		11.30	
S		10.30	47.5

W.L. of Arctic

S	7.77	10.)0	47.1
C		9.40	
¼		11.30	
℄		10.00	47.8
¼		9.20	
C		4.50	
N		1.50	56.3

E'ly of La Jolla Track (For position of Tracks see sketch Front of Book)

N		11.40	46.4
C		11.50	
¼		11.60	
℄		11.)0	46.1
¼		11.90	
C		12.00	
S		12.00	45.8

POSTED

W. Rail of Track

S	50.77	11.58	46.3
C		11.47	
1/4		11.37	
℄		11.25	46.5
1/4		11.12	
C		10.97	
N		10.74	47.0

2' W of Tracks

N		11.60	46.2
C		11.70	
1/4		11.80	
℄		12.00	45.8
1/4		12.30	
C		12.30	
S		12.40	45.4

8' W of W. Rail.

S		10.00	47.8
C		9.80	
1/4		11.40	
℄		11.50	46.3
1/4		10.60	
C		9.40	
N		9.20	48.6

50' N. of Arctic

N		10.80	47.0
C		11.30	
1/4		11.70	
℄		13.90	43.9
1/4		12.60	
C		13.20	
S		14.10	43.6
T.P.		13.21	44.56

POSTED

100' W of Arctic (44.56)

S	0.10	44.66	3.20	41.5
C			2.90	
1/4			2.60	
℄			0.70	44.0
1/4			1.80	
C			0.90	
N			0.60	44.1

150' W of Arctic

N			2.50	42.2
C			4.00	
1/4			4.10	
℄			3.00	41.7
1/4			4.60	
C			5.20	
S			5.80	38.9

200' W of Arctic = E.L. of California

S		44.66	8.30	36.4
C			8.00	
1/4			7.60	
℄			7.10	37.6
1/4			6.00	
C			6.60	
N			5.70	39.0
TP			0.00	44.66
	12.79	57.45	0.01	57.44
	13.10	70.54	0.35	70.19
	13.11	83.30	5.23	78.07	78.09

(All streets from Chalmers to Clayton, Crossing La Jolla Tracks are graded)

	5.23	83.32	12.58	70.74
	1.66	72.40	12.57	59.83
	0.13	59.66	0.31	59.35

POSTED

X section of Clayton St Calif to Hancock

W. L. of Calif No 1 (see sketch front of Book)

S	9.66	2.40	√7.3
C		2.40	
1/4		1.60	
℄		1.00	√8.7
1/4		0.40	
C		0.00	
N		+0.40	60.1

W. L. of Calif #2 = 68± E of E. L. of Clayton

N		0.70	√9.0
C		2.00	
1/4		2.40	
℄		2.70	√7.0
1/4		2.20	
C		2.10	
S		2.40	√7.3

50' E of Moore

S	9.66	3.30	√6.4
C		3.00	
1/4		2.90	
℄		3.40	√6.3
1/4		3.40	
C		3.60	
N		3.40	√6.3

E. L. of Moore

N		6.00	√1.7
C		7.80	
1/4		7.60	
℄		7.50	√2.2
1/4		7.00	
C		6.90	
S		6.90	√2.8
T.P.		13.20	46.46

POSTED

N. 2. of Moore (46.46)

S	0.34	46.80	0.50	46.3
C			0.80	
1/4			0.80	
℄			0.90	45.9
1/4			0.80	
C			1.30	
N			1.90	44.9

50' W of Moore

N			6.20	40.6
C			6.10	
1/4			5.90	
℄			6.10	40.7
1/4			5.20	
C			5.50	
S			4.60	42.2

100' W of Moore

S		46.80	8.50	36.3
C			8.10	
1/4			9.10	
℄			9.50	37.3
1/4			9.90	
C			10.20	
N			10.40	36.4
T.P.			12.95	33.85

150' W of Moore

N	0.66	34.51	1.30	33.2
C			0.90	
1/4			1.00	
℄			1.00	33.5
1/4			1.40	
C			0.30	
S			+0.30	34.80

POSTED

199' W. of Moore

S	34.51	1.90	32.6
C		3.60	
1/4		3.60	
℄		3.70	30.8
1/4		4.20	
C		3.20	
N		3.80	30.7

208' W of Moore = E.L. of Hancock

N		4.30	30.2
C		4.40	
1/4		4.60	
℄		4.00	30.5
1/4		3.80	
C		4.20	
S		4.10	30.4
TP		5.00	29.01

X section of Sutherland
Hancock to La Jollas

E.L. of Hancock (29.01)

S	12.96	41.97	13.20	28.8
C			13.50	
1/4			13.00	
℄			12.80	29.2
1/4			12.90	
C			13.40	
N			13.30	28.7

10' E of Hancock

N		10.90	31.1
C		10.70	
1/4		11.40	
℄		11.60	30.4
1/4		11.90	
C		11.60	
S		10.80	31.2

POSTED

50' E of Hancock

S	41.97	6.60	37.4
C		6.80	
1/4		7.90	
℄		7.80	34.2
1/4		7.80	
C		8.00	
N		7.80	34.2

100' E of Hancock

N		1.80	40.2
C		1.20	
1/4		0.70	
℄		1.00	41.0
1/4		1.10	
C		1.20	
S		1.10	40.9
TP		0.00	41.97

150' E of Hancock (41.97)

S	12.77	54.74	11.30	43.4
C			11.10	
1/4			10.90	
℄			10.60	44.1
1/4			10.80	
C			10.00	
N			10.00	44.7

200' E of Hancock = W. of Moore.

N		7.90	46.8
C		7.80	
1/4		7.50	
℄		7.50	47.2
1/4		8.00	
C		8.20	
S		8.40	46.3

POSTED

E.L. of Moore

S	54.14	2.90	√1.8
C		2.80	
¼		2.70	
℄		2.40	√2.3
¼		2.60	
C		3.10	
N		4.10	√0.6

50' E of Moore

N		1.40	√3.3
C		1.10	
~~TP~~		0.48	54.26
¼	12.54	66.80	12.20
℄		11.40	√√.4
¼		10.70	
C		10.40	
S		10.40	√6.4

100' E of Moore

S	66.80	6.50	60.3
C		6.30	
¼		6.40	
℄		6.80	60.0
¼		7.40	
C		9.30	
N		11.40	√√.4

150' E of Moore

N		7.80	√9.0
C		7.90	
¼		7.00	
℄		6.50	60.3
¼		4.80	
C		3.40	
S		2.80	64.0

POSTED

	196' E of Moore		
S	66.80	2.90	63.9
C		2.00	
¼		3.00	
℄		3.00	63.8
¼		3.20	
C		1.00	
N		0.40	66.4
	200' E of Moore = W.L. of La Jolla		
N		+0.50	67.30
C		+0.30	67.10
¼		0.00	
℄		0.10	66.7
¼		0.50	
C		0.80	
S		0.60	66.2
T.P.		0.32	66.48
	11.26	17.74	3.30	10.44	10.39

POSTED

Xsection of North-La Jolla to Hancock

	W.L. of La Jolla			66.43
S	7.21	13.64	2.50	71.1
C			2.70	70.9
¼			2.30	71.3
℄			2.20	71.4
¼			2.00	71.6
C			1.70	71.9
N			1.40	72.2
	50' W of La Jolla			
N			8.50	67.1
C			8.70	66.9
¼			8.80	66.8
℄			9.30	64.3
¼			9.60	64.0
C			9.20	64.4
S			9.10	64.5

POSTED

100' W of La Jolla

S		13.64	13.30	60.3
C			13.20	60.4
¼			13.10	60.5
℄			12.80	60.8
¼			12.60	61.0
C			12.40	61.2
N			12.10	61.5
			13.04	60.60

125' W. of La Jolla

N	0.08	60.68	0.10	60.6
C			0.50	60.2
¼			1.00	59.7
℄			1.90	58.8
¼			2.40	58.3
C			3.20	57.5
S			3.20	57.5

150' N of La Jolla

S	60.68	5.20	55.0
C		4.80	55.9
¼		4.90	56.0
℄		6.10	54.6
¼		6.20	54.5
C		6.10	54.6
N		5.90	54.8

200' W of La Jolla = E.L. of Moore

N		16.50	44.2
C		16.20	44.5
¼		16.00	44.7
℄		16.20	44.5
¼		16.60	44.1
C		15.80	44.9
S		14.50	46.2
		12.86	47.88

POSTED

W.L. of Moore 47.82

S	0.16	47.98	11.00	37.0
C			11.70	36.3
1/4			12.40	35.6
℄			12.60	35.4
1/4			13.00	35.0
C			13.40	34.6
N			13.20	34.8
TOP			12.55	35.43

50' W of Moore

N	0.75	36.18	4.70	31.5
C			4.60	31.6
1/4			4.60	31.6
℄			4.30	31.9
1/4			4.10	32.1
C			4.00	32.2
S			3.20	33.0

100' W of Moore

S		36.18	4.70	31.5
C			5.20	31.0
1/4			5.60	30.6
℄			5.90	30.3
1/4			6.00	30.2
C			6.30	29.9
N			6.60	29.6

150' W of Moore

N			8.60	27.6
C			8.60	27.6
1/4			8.40	27.8
℄			8.00	28.2
1/4			7.70	28.5
C			6.70	29.5
S			6.60	29.6

POSTED

200' W of Moore = El. of Hancock

S	36.18	9.10	27.1
C		9.30	26.9
1/4		9.20	27.0
℄		9.10	27.1
1/4		9.40	26.8
C		9.10	27.1
N		9.00	27.2
TP		5.14	31.04
	41.32	42.56	

POSTED

X section of Estudillo Hancock to La Jolla

E. of Hancock

S	42.56	15.80	26.8
C		16.00	26.6
1/4		16.30	26.3
℄		16.10	26.5
1/4		15.90	26.7
C		16.00	26.6
N		16.00	26.6

1' E of Hancock

N	13.50	29.1
C	13.50	29.1
1/4	13.70	28.9
℄	13.10	28.5
1/4	14.20	28.4
C	13.90	28.7
S	13.80	28.8

POSTED

50' E of Hancock

S	42.56	10.40	32.2
C		10.20	32.8
1/4		10.30	32.3
℄		10.40	32.2
1/4		10.10	32.5
C		10.20	32.8
N		9.40	33.2

100' E of Hancock

N		5.60	37.0
C		5.80	36.8
1/4		5.80	36.8
℄		5.70	36.9
1/4		6.00	36.6
C		6.20	36.4
S		6.20	36.4

150' E of Hancock

S		2.10	40.5
C		1.70	40.9
1/4		1.70	40.9
℄		2.00	40.6
1/4		1.70	40.9
C		1.50	41.1
N		1.20	41.4
TP		0.44	42.12

200' E of Hancock = W.L of Moore

N	12.94	55.06	8.80	46.3
C			9.00	46.1
1/4			9.10	46.0
℄			9.20	45.9
1/4			9.50	45.6
C			9.60	45.5
S			10.30	44.8

POSTED

E.L. of Moore

S		55.06	3.90	51.2
C			2.50	52.6
1/4			2.00	53.1
℄			1.50	53.6
1/4			0.80	54.3
C			1.50	53.6
N			1.90	53.2
TP.			0.37	54.69

50' E of Moore

N	12.91	67.60	9.60	58.0
C			9.40	58.2
1/4			8.10	59.5
℄			9.10	58.5
1/4			10.80	56.8
C			10.90	56.7
S			11.00	56.6

100' E of Moore

S		67.60	6.80	60.8
C			5.80	61.8
1/4			5.60	62.0
℄			6.80	60.8
1/4			5.60	62.0
C			4.50	63.1
N			4.30	63.3
TP.			0.16	67.44

150' E of Moore

N	12.51	79.95	11.50	68.5
C			11.90	68.1
1/4			13.80	66.2
℄			16.00	64.0
1/4			13.80	66.2
C			14.00	66.0
S			14.30	65.7

POSTED

X section of Wright St. La Jolla to Hancock

		W.L. of La Jolla		(82.56)
N	0.80	83.36	3.20	80.2
C			3.40	80.0
¼			3.)0	79.7
℄			4.00	79.4
¼			4.10	79.3
C			4.50	78.9
S.			4.20	79.2
		20' W of La Jolla		
S			4.20	79.2
C			4.20	79.2
¼			4.20	79.2
℄			4.00	79.4
¼			5.00	78.4
C			8.70	74.7
N			10.40	73.0

POSTED

		145' E of Moore		
S		79.95	11.30	68.7
C			10.60	69.2
¼			10.20	69.8
℄			9.90	70.1
¼			9.10	70.9
C			10.30	79.7
N			8.40	71.6
		200' E of Moore = W.L. of La Jolla		
N			4.00	76.0
C			4.10	75.9
¼			4.60	75.4
℄			4.)0	75.8
¼			4.80	75.2
C			5.00	75.0
S			4.80	75.2
TP			0.95	79.00
	4.15	83.15	0.55	82.60

82.56

25' W of La Jolla

N	63.36	11.80	72.2
C		11.00	72.4
¼		10.90	72.5
℄		10.90	72.5
¼		10.60	72.8
C		10.40	73.0
S		10.10	73.3

50' W of La Jolla

S	12.00	71.4
C	12.10	71.3
¼	12.40	71.0
℄	12.60	71.2
¼	13.10	70.3
C	13.90	69.5
N	13.90	69.5
T.P.	12.41	70.90

100' W of La Jolla (0.95)

N	0.06	71.01	7.10	63.9
C			6.80	64.2
¼			6.30	64.7
℄			6.40	64.8
¼			5.90	65.3
C			5.90	65.3
S			5.60	65.4

150' W of La Jolla

S	11.40	59.6
C	11.50	59.5
¼	11.80	59.2
℄	11.90	59.1
¼	11.90	59.1
C	12.10	58.9
N	12.10	58.9
T.P.	13.05	57.96

POSTED

200' W of La Jolla = E.L. of Moore (57.96)

N	0.53	58.49	5.30	53.2
C			5.00	53.5
1/4			4.60	53.9
℄			4.60	53.9
1/4			4.20	54.3
C			3.90	54.6
S			3.70	54.8

W. L. of Moore St

S			12.30	46.2
C			12.70	45.8
1/4			13.00	45.5
℄			13.00	45.5
1/4			13.10	45.4
C			13.50	45.0
N			14.00	44.5
TR			13.11	45.38

50' W of Moore (46.38)

N	1.56	46.94	7.90	39.0
C			7.80	39.1
1/4			7.20	39.7
℄			6.90	40.0
1/4			6.60	40.3
C			5.90	41.0
S			5.30	41.6

100' W of Moore

S			9.00	37.9
C			9.20	37.7
1/4			10.00	36.9
℄			10.60	36.3
1/4			11.00	35.9
C			11.00	35.9
N			11.50	35.4

POSTED

150' W of Moore

N		46.94	16.00	30.9
C			15.20	31.7
¼			14.50	32.4
¢			13.50	33.4
¼			13.10	33.8
C			13.10	33.8
S			13.10	33.8
T.P.			12.91	34.03

1.99 W. of Moore

S	0.41	34.84	4.80	30.0
C			5.40	29.4
¼			5.30	29.5
¢			5.80	29.0
¼			6.30	28.5
C			6.10	28.7
N			6.80	28.0

200' W of Moore = El. Hancock

N	34.84	9.80	25.0
C		9.00	25.8
¼		9.80	25.0
¢		9.10	25.7
¼		9.50	25.3
C		9.50	25.3
S		9.00	24.8
T.P.		13.15	21.69

POSTED

X section of Bandini

Hancock to La Jolla

E.L. of Hancock 21.9

S	12.11	33.80	12.50 21.3
C			12.60 21.2
1/4			13.10 20.7
¢			13.30 20.5
1/4			13.80 20.0
C			14.20 19.6
N			14.30 19.5

50' E of Hancock

N			16.10 23.7
C			10.60 23.2
1/4			10.20 23.6
¢			9.80 24.0
1/4			9.10 24.7
C			8.70 25.1
S			8.70 25.1

100' E of Hancock

S	33.80	4.50	29.3
C		4.50	29.3
1/4		4.80	29.0
¢		5.40	28.4
1/4		5.70	28.1
C		6.10	27.7
N		6.50	27.3

150' E of Hancock

N		2.00	31.8
C		1.40	32.4
1/4		1.20	32.6
¢		0.80	33.0
1/4		0.40	33.4
C		0.20	33.6
S		0.30	33.5
EP		0.43	33.37

POSTED

200' E of Hancock = W.L of Moore (33.39)

S	13.20	46.37	7.40	39.V
C			7.70	38.9
1/4			7.30	39.3
℄			8.00	38.6
1/4			8.40	38.V
C			8.70	37.9
N			9.30	37.3

E. L. of Moore

N			1.40	45.V
C			0.90	45.7
1/4 TR			0.80 / 0.50	47.4 / 46.07
℄	13.00	59.07	12.30	46.8
1/4			12.10	47.0
C			11.90	47.V
S			11.80	47.9

50' E of Moore

S	59.07	5.10	54.0	
C		4.90	54.V	
1/4		5.00	54.1	
℄		5.60	53.3	
1/4		6.30	52.8	
C		7.30	51.8	
N TR		7.40 / 0.07	51.7 / 59.00	

100' E of Moore

N	12.60	71.60	12.20	59.4
C			12.00	59.6
1/4			11.80	59.8
℄			11.50	60.1
1/4			11.70	59.9
C			11.60	60.0
S			10.70	60.9

POSTED

		150' E of Moore		
S		71.60	3.80	67.8
C			4.10	67.5
1/4			3.00	68.6
℄			2.50	69.1
1/4			2.00	69.6
C			1.50	70.1
N			1.00	70.6
T.P.			0.05	71.55
		172' E of Moore		
N	12.61	84.16	8.90	
C			8.60	
1/4			9.40	
℄			10.80	
1/4			11.60	
C			12.10	
S			12.50	

		6' W of La Jolla	
S		0.90	
C		1.00	
1/4		0.90	
℄		0.70	
1/4		0.50	
C		0.20	
N		0.00	
		W.L. of La Jolla	
N		0.00	
C		0.20	
1/4		0.50	
℄		0.70	
1/4		0.90	
C		0.90	
S		1.00	

POSTED

Xsection of Couts St
Hancock to La Jolla

E.L. of Hancock 25.289

TP	1.56	26.55	10.65	16.00
S	10.66	26.66	13.80	12.9
C			13.50	
¼			13.50	13.2
¢			13.80	12.9
½			14.10	X
C			14.80	
N			14.20	12.√

50' E of Hancock

N			11.60	1√.1
C			11.30	
½			11.00	
¢			10.60	16.1
¼			10.40	
C			10.40	16.3
S			10.40	16.3

100' E of Hancock

S			7.00	19.7
C			7.00	19.7
¼			7.00	
¢			7.00	19.7
¼			6.80	
C			6.90	
N			7.40	19.3 Y

150' E of Hancock

N			4.30	22.
C			4.10	
¼			3.90	
¢			3.80	22.9
¼			4.20	
C			4.40	
S			3.80	
TP			0.0 R	R 6.64

POSTED

200' E of Hancock = W.L. Moore
26.64

S	12.61	39.25	11.50	
C			11.70	
¼			11.70	
¢			11.50	27.8
¼			11.50	
C			11.70	
N			11.70	X

E.L. of Moore

N			2.80	
C			2.10	
¼			2.20	
¢			2.30	37.0
¼			2.30	
C			2.30	
S			1.90	
T.P.			0.00	39.25

50' E of Moore (39.25)

S	13.05	52.30	6.50	
C			7.00	
¼			6.50	
¢			5.90	46.4
¼			5.90	
C			6.30	
N			6.20	
T.P.			0.05	52.25

100' E of Moore

N	12.78	65.03	11.50	
C			11.50	
¼			11.20	
¢			10.00	55.0
¼			9.80	
C			9.60	
S			9.60	
TP			0.39	64.64

POSTED

150' E of Moore

				64.64	
S	12.08	76.72	11.20		
C			11.10		
1/4			10.80		
℄			12.00	64.7	
1/4			12.90		X
C			14.20		
N			14.70		

175' E of Moore

N			8.20		
C			7.40		
1/4			7.20		
℄			6.90	69.8	
1/4			6.80		
C			6.80		
S			7.00		
TP			0.56	76.16	

200' E of Moore = W.L. of La Jolla

				76.16	
S	3.76	79.92	0.30		
C			0.40		
1/4			0.80		
℄			1.20	78.7	X
1/4			1.50		
C			1.90		
N			1.70		
B.M.			7.85	72.07	72.08 L.J. + W.L.

Witherby St - La Jolla to Hancock } X sectioned
Moore St - Witherby to Trias } under Ordinance #48

POSTED

X section of Concordia St
Hancock to Boulevard

E. L. of Hancock 10.536

S	9.84	20.38	5.70	
C			5.30	X
1/4			5.40	
℄			5.30	
1/4			5.30	
C			4.90	
N			4.40	

50' E of Hancock

N			3.80	
C			3.90	
1/4			4.20	
℄			4.60	
1/4			5.50	
C			5.70	
S			6.10	

100' E of Hancock

S			6.30	
C			6.10	X
1/4			6.50	
℄			6.00	
1/4			5.80	
C			5.60	
N			4.70	

150' E of Hancock

N			4.40	
C			4.10	
1/4			4.10	
℄			4.00	
1/4			4.00	
C			4.00	
S			4.20	

POSTED

350' E of Hancock

S	30.38	0.50	
C		0.40	
¼		0.50	
℄		0.80	
¼		1.10	
C		1.10	
N		1.10	
TW		0.04	30.34

250' E of Hancock

N	12.57	32.91	11.10
C			10.60
¼			10.50
℄			10.40
¼			10.30
C			10.30
S			10.10

300' E of Hancock = W. L. of Moore

S	7.10
C	7.80
¼	8.00
℄	8.00
¼	8.00
C	8.00
N	7.60

W. Curb of Moore

N	7.50
C	7.50
¼	7.80
℄	8.00
¼	7.40
C	7.60
S	7.70

POSTED

11.5' N. of W. rail of La Jolla tracks *

S	22.91	2.10
C		2.00
1/4		2.20
℄		2.40
1/4		2.10
C		2.00
N		6.80

2' W of track

N	2.90
C	2.90
1/4	3.00
℄	3.00
1/4	3.10
C	3.20
S	3.20

* For location of tracks see Book 423, front of Book

W. Rail of La Jolla tracks

S	2.48
C	2.43
1/4	2.38
℄	2.33
1/4	2.29
C	2.24
N	2.15

2' E of La Jolla tracks

N	3.40
C	3.60
1/4	3.60
℄	3.70
1/4	3.70
C	3.70
S	3.80

Superelevation = 0.36'

POSTED

E½ of Moore

S	32.91	4.20	
C		4.20	
¼		4.70	
¢		4.70	X
¼		4.70	
C		4.60	
N		3.60	

50' E of Moore

N		0.60	
C		0.20	
¼		0.10	
¢		0.10	
¼		0.00	
T.P.		0.00	32.91
C	13.17 46.08	13.00	
S		12.70	

100' E of Moore

S	46.08	6.60	
C		7.00	
¼		8.70	
¢		9.00	
¼		9.40	
C		9.60	
N		9.20	

150' E. of Moore

N		2.30	
C		1.50	
¼		0.90	
T.P.		0.36	45.72
¢	12.30 58.02	11.90	
¼		11.60	
C		11.50	
S		11.00	

POSTED

200' E of Moore

S		58.02	4.70	
C			5.90	
1/4			6.40	
℄			6.30	
1/4			6.50	
C			7.20	
N			7.90	

250' E of Moore

N			2.90	
C			2.10	
1/4			1.70	
℄			1.20	
1/4			1.20	
T.P. ℄			0.01	58.01
6	11.84	69.85	11.20	
S			10.50	

(see sketch front of Book) 266.8' E of Moore = W.L. Boul #1

S		69.85	8.10	
C			9.50	
1/4			11.20	
℄			11.20	
1/4			11.50	X
C			12.00	
N			12.40	

W.L. Boul - No #2

N			9.80	
C			9.90	
1/4			10.00	
℄			10.30	
1/4			10.00	
C			8.80	
S			8.10	
T.P.			11.84	58.01
T.P.	3.14	61.19	8.90	5229
	0.72	53.01	12.44	40.57 40.624

POSTED

40.524

0.63

All streets crossing La Jolla tracks from Concordia to Conde Xsectioned under Ordinance No 48

POSTED

240.00 RP 50' W S W Del Monte & Santa Barbara
195.66 Mar at Newport & Santa Barbara

Bm Mar Newport & Santa Barb 195.66

Clough Donnan Rodgers

Crossection of Del Monte St (80') 65
E S of Santa Barbara to W S Venice

3.21-10 E Line of Santa Barbara (Graded)

	4.92	244.92		240.00	Bm S W RP Del Monte & Santa Barbara
SS			5.1	239.8	
bb			5.5	239.4	
4			6.2	238.7	
b			6.7	238.2	
4			7.2	237.7	
bb			7.4	237.5	
NS			7.8	237.1	
	1' E of Santa Barbara				
NS			6.0	238.9	
bb			5.4	239.5	
4			4.6	240.3	
b			3.9	241.0	
4			3.1	241.8	
bb			2.2	242.7	
SS			1.2	243.7	

2492

50' E of Santa Barbara

SL		1.0	243.9
bk		1.9	243.0
y		2.5	242.4
b		3.2	241.7
y		3.9	241.0
bk		4.6	240.3
NL		5.3	239.6

110' E of Santa Barbara

NL		5.4	239.5
bk		4.8	240.1
y		4.3	240.6
b		4.0	240.9
y		3.6	241.3
bk		2.9	242.0
SL		2.3	242.6

2492

Del Monte

150' E of Santa Barbara

SL		4.6	240.3
bk		4.9	240.0
y		5.2	239.7
b		5.5	239.4
y		5.8	239.1
bk		6.1	238.8
NL		6.5	238.4
TP	0.14	239.07	5.99	238.93

210' E of Santa Barbara

NL		2.6	236.5
bk		2.4	236.7
y		2.2	236.9
b		2.0	237.1
y		2.0	237.1
bk		2.0	237.1
SL		1.6	237.5

23907

	250	E of	Santa	Barbara
SL			4,9	234,2
bh			5,1	234,0
y			5.1	234,0
b			5-1	234,0
y			5,1	234,0
bh			5-2	233,9
SL			5-2	233,9
	300	E of	Santa	Barbara
SL			8,3	230,8
bh			8,3	230,8
y			8,4	230,7
b			8-2	230,9
y			8,3	230,8
bh			8,4	230,7
SL			8,5-	230,6

23907

	350	E of	Santa	Barbara
SL			11,8	227,3
bh			11,7	227,4
y			11,7	227,4
b			11,6	227,5-
y			11,6	227,5-
bh			11,5-	227,6
SL			11,4	227,7
TP	0,04	228,22	10,89	228,18
	400	E of	Santa	Barbara
SL			3,8	224,4
bh			3,7	224,5-
y			3,6	224,6
b			3,7	224,5-
y			3,7	224,5-
bh			3,8	224,2
SL			4,2	224,0

		228.22		
	450	E of	Santa	Barbara
SL			7.1	221,1
bh			7,0	221,2
"			7.1	221,1
b			7.1	221,1
"			7.1	221,1
bh			7,1	221,1
NL			7,0	221,2
	500'	E of	Santa	Barbara
NL			10,0	218,2
bh			9,8	218,4
"			9,9	218,3
bh			9,9	218,3
"			9,9	218,3
bh			10,0	218,2
SL			10,0	218,2
TP	0,42	219,79	9,15	219,07

		219.49			Del Monte
	550'	E of	Santa	Barbara	
SL			3,8	215,7	
bh			3,8	215,7	
"			3,8	215,7	
b			3,7	215,8	
"			3,8	215,7	
bh			3,9	215,6	
NL			3,8	215,7	
	600'	E = W L of	Venice st		(60)
NL			6,3	213,2	
bh			6,3	213,2	
"			6,3	213,2	
b			6,3	213,2	
"			6,4	213,1	
bh			6,5	213,0	
SL			6,5	213,0	
Bm			6,58	213,01 ✓ 212,91	

Sewer Levels on ℄ of Chestnut From ℄ of Taylor to ℄ of Rosecrans.

BM	3.39	12.05		8.66	Taylor & Whitman
00=℄ Taylor			4.04	8.01	℄ Paving
+10			4.13	7.92	W. edge Paving
+25			5.0	7.05	
+50 W.L. Taylor			5.5	6.55	
1+00			5.6	6.45	
+50			5.6	6.45	
2+00			5.3	6.75	
+50			5.1	6.95	
3+00			4.9	6.15	
+50			5.1	6.95	
+75=℄ Rosecrans			5.6	6.45	

posted

Sewer Levels on ℄ Whitman from ℄ Taylor to ℄ Rosecrans

BM.	1.54	10.20	8.66	Taylor & Whitman
00=℄ Taylor			3.69	6.51	on Paving
+10			3.81	6.39	W. Edge "
+50=W. line Taylor			4.7	5.50	
+75			4.9	5.30	
1+00			4.4	5.80	
+50			4.3	5.90	
2+00			4.2	6.00	
+50			4.2	6.00	
3+00			3.9	6.30	
+30=E. line Rosecrans			3.5	6.70	
+75=℄ Rosecrans			3.4	6.40	

Posted

Sewer Levels on ℄ Sunset from ℄ Taylor to ℄ Rosecrans

B.M.	0.68	9.34 ✓		8.66	Taylor & Whitman
00 = ℄ Taylor			3.79	5,55	on ℄ Paving
+10			3.85	5,49	on W. Edge "
+20			4.0	5,34	
+25			4.7	4,69	
+50 = W Line Taylor			4.6	4,74	
1+00			4.6	4,74	
+50			4.5	4,84	
2+00			4.5	4,84	
+50			4.3	5,04	
3+00			4.8	4,54	
+50 = E. Line Rosecrans			4.5	4,84	
+75 = ℄ " Rosecrans			4.3	5,04	
T.P.			3.06	6.28 ✓	Top Hydrant N.E. cor Taylor & Juan

Posted

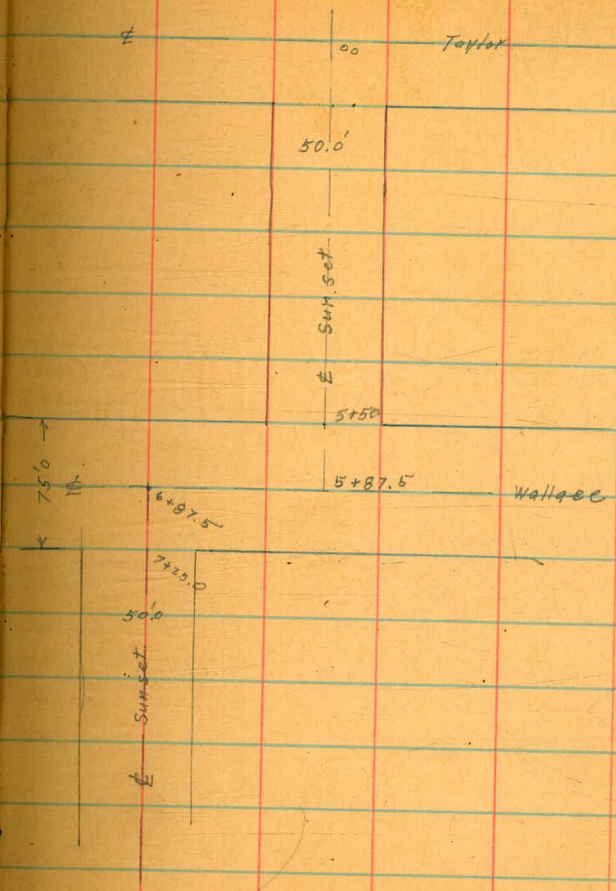
Sewer Levels on ℄ Juan from ℄ Taylor to ℄ Rosecrans

B.M.	2.13	8.41 ✓		6.28	Taylor & Juan
00 = ℄ Taylor			3.86	4,55	on ℄ Paving
+10			3.93	4,48	on W. Edge "
+50 W Line Taylor			4.4	4,01	
1+00			4.7	3,71	
+50			4.9	3,51	
2+00			4.5	3,91	
+50			4.2	4,21	
3+00			4.1	4,31	
+50 = E Line Rosecrans			4.2	4,21	
+75 = ℄ "			3.9	4,51	

Posted

Sewer Levels on ℄ Sunset from ℄ Taylor to Twiggs

B.M.	4.35	13.01 ~~12.01~~	8.66	Taylor + W. Twiggs
00 = ℄ Taylor		7.20	5,81	℄ of Paving
+10		7.27	5.74	℄ Line "
+24		7,5	5,51	
+26		8.6	4,41	
+50 ℄ Line Taylor		8.0	5,01	
1+00		7.7	5,31	
+50		8.1	4,91	
2+00		8.5	4.51	
+50		8,2	4,81	
3+00		7.5	5,51	
+50		7.8	5,21	
4+00		7.7	5,31	
+50		7.5	5,51	
5+00		7.1	5,91	
5+50 W. Line Wallace		6.2	6.81	
5+87.5 = ℄ Wallace		3.7	9,31	
6+12.5 ℄ Line Sunset		3.5	9,51	
		Posted		



6+62.5 = N Line				
Sunset from East			4.0	9.01
6+87.5 & Sunset +			4.1	8.91
7+25 = E Line Wallace			3.4	9.61
7+50			3.0	10.01
8+00			1.9	11.11
+50			0.9	12.11
9+00			0.3	12.71
T.P.	12.73	25.61 ✓	0.13	12.88 ✓
+40			12.2	13.41
+70			10.6	15.01
10+00			8.3	17.31
+25 = W. Line Mason			5.4	20.21
T.P.	12.49	38.06 ✓	0.04	25.57 ✓
+50 = E Mason			12.5	25.56
+54			10.0	28.06
+73			9.5	28.56
+75 = E. Line Mason			8.2	29.86
11+00			6.0	32.06

Posted

		38.06		
+40			0.4	37.66
T.P.	12.77	50.83 ✓	000	38.06 ✓
+70			7.0	43.83
+85			3.9	46.93
12+00			1.9	48.93
+05			1.2	49.63
+14			1.4	49.43
T.P.	12.66	63.22 ✓	0.27	50.56 ✓
+21			11.1	52.12
+25			10.6	52.62
+32			12.4	50.82
+42			8.0	55.22
13+00			0.5	62.72
T.P.	12.72	75.69 ✓	0.25	62.97 ✓
+50			8.0	67.69
+70			5.9	69.79
14+00			2.1	73.59
+21			0.2	75.49

Posted

			75.69			
6+ Su	T.P.	12.68	88.36	0.01	75.68	
6+	14 +32			10.6	77.76	
7+2	+80			4.0	84.36	
	W. Line Twiggs 15+00			1.3	87.06	
	+10			1.3	87.06	
	℄ Twiggs +25			6.9	81.46	
	T.P.	0.11	75.83	12.64	75.72	
	T.P.	0.00	62.86	12.97	62.86	
	T.P.	1.88	52.02	12.72	50.14	
	T.P.	1.50	48.54	4.98	47.04	
	T.P.	0.10	36.21	12.43	36.11	
+25	T.P			12.90	23.31	23.33 B.M. N.E. Cor Ramphes Home
				Posted		
+50=						
+75						

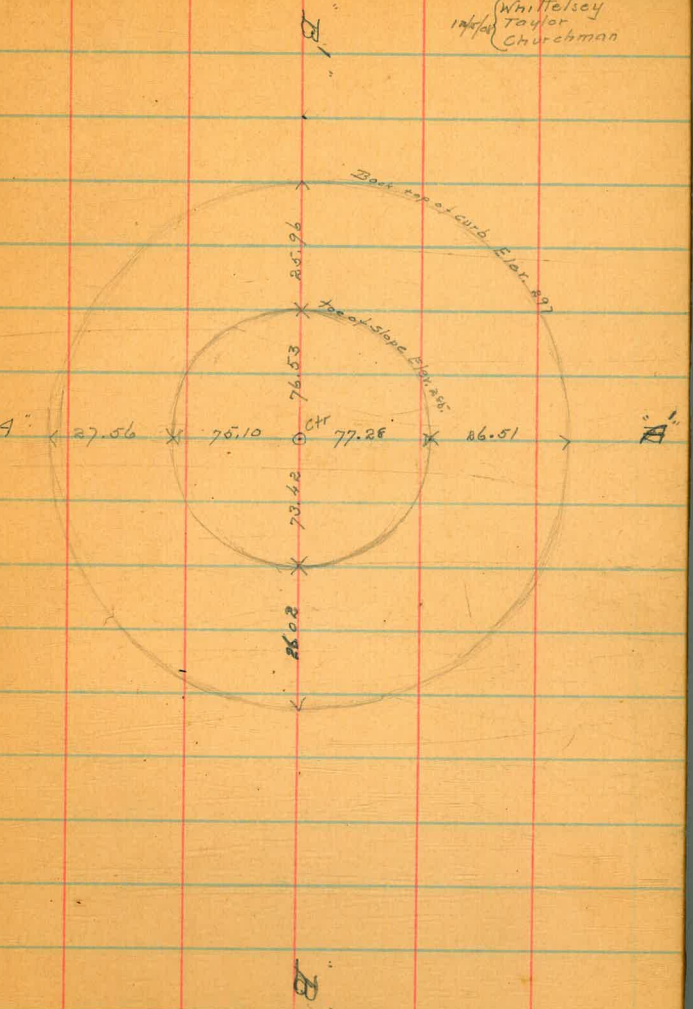
~~58~~	52.01	0.12	51.89
8.61	60.10	3.06	57.02
0.11	57.13	12.44	44.69
0.34	46.03	13.15	31.88

227
5
302
12
290

Pacific Beach Reservoir

New Measurements

1946 (Whittelsey, Taylor, Churchman)



Levels from Bench at Law & Lamont
to Reservoir in Lot #6 Pac. Beach

B.M.	Law & Lamont	Pac. B'ch		143.13	
T.P.	13.25	156.38	0.66	155.72	
	13.15	168.87	0.20	168.67	
	13.01	181.68	0.80	180.88	
	12.71	193.59	0.59	193.00	
	13.18	206.18	0.55	205.63	
	13.14	218.77	0.13	218.64	
	13.09	231.73	0.03	231.70	
	12.93	244.63	1.65	242.98	
	12.31	255.29	3.71	251.56	
	12.20	263.78	3.56	260.22	
	13.18	273.40	1.64	271.76	
	12.61	284.37	2.04	282.33	
	12.44	294.77	1.23	293.54	
	11.78	305.32	0.09	305.23	
	6.46	311.69	8.40	303.29	B.M.
	2.45	305.74	8.74	297.00	Grade
	2.34	299.34	9.34	290.00	Stake
					Water's edge

△ on A is 105.78 from Centre

△ " B' " 107.50 " "

△ " A' " 106.43 " "

△ " B " 102.72 " "

∠ Between Line B.B' and Line from centre to Point on Lot Line = 13°47'

#400

O.T. Jail – spk in pole	40.524
Br/s church spk " "	32.880

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, Mathematical Instruments, etc., San Francisco.

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.		