Level Notes

La Jolla Park

Book No 1

400

LEVEL

Return to City Engineer's Office
City Hall, San Diego, Cal.

F. B. 130

130

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

Minutes	Lks.	Minutes	Lks.	Minutes	Lks.
1	2 1/3	21	49	41	95 2/3
2	4 2/3	22	51 1/3	42	98
3	7	23	53 2/3	43	100 1/3
4	9 1/3	24	56	44	102 2/3
5	11 2/3	25	58 1/3	45	105
6	14	26	60 2/3	46	107 1/3
7	16 1/3	27	63	47	109 2/3
8	18 2/3	28	65 1/3	48	112
9	21	29	67 2/3	49	114 1/3
10	23 1/3	30	70	50	116 2/3
11	25 2/3	31	72 1/3	51	119
12	28	32	74 2/3	52	121 1/3
13	30 1/3	33	77	53	123 2/3
14	32 2/3	34	79 1/3	54	126
15	35	35	81 2/3	55	128 1/3
16	37 1/3	36	84	56	130 1/3
17	39 2/3	37	86 1/3	57	133
18	42	38	88 2/3	58	135 1/3
19	44 1/3	39	91	59	137 2/3
20	46 2/3	40	93 1/3	60	140

Return to City Engineers Office
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.

MICROFILMED

Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links
o		o		o		o	
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

130

Levels La Jolla Book.

J. F. Carey. Lineman

1904

Level Book No. 1

Book No. 130

name. Date.

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	±	I.H.	EL.	S	Rot.	S.	Elev	Rd.	C	El.	N	N
S. line of Cam												
50 do " "												

G. J. Rennie Rodman
Peg line Apr. 21st '04

	±	HI	Elev.	
BM.?	+ 1.52	131.95	130.43	Wood pkg. E. line Gr. Ave & So. Bond. La Jolla
~~" ?~~	~~+ 1.25~~			~~Iron pipe Guard at " " " " " "~~
Peg Hub.	− 9.27		122.68	Range line Hub N. York Ave & " " "
"	+ 0.61	123.29		
Peg "	− 10.10		113.19	" " " Washington " " " "
"	+ 0.36	113.55		
Peg. Guard	− 11.03		102.52	Guard So. W. Cor Block 5
"	+ 1.02	103.54		
Hub.	− 3.31		100.23	Range line Hub. Orange Ave.
Peg	− 12.59		90.95	
"	+ 1.08	92.03		
Hub.	− 6.86		85.17	" " " Palm Ave
Peg.	− 12.80		79.23	
"	+ 0.11	79.34		
Hub.	− 8.19		70.65	" " " Olive
	~~+ 7.2~~			

Levels for water pipe line 30 ft. west of the East line of Olive Ave. & 30 ft. North of the So. line of Prospect St. April 21st 1904

	±	H.I.	Elev.
G. J. Rennie Rod.			
J. A. Johnston Taper			
0	-7.0	79.34	72.3 ✓
+50	-8.0		71.3 ✓
1	-9.0		70.3 ✓
+50	-10.4		68.9 ✓
2	-11.0		68.3 ✓
+50	-12.0		67.3 ✓
Rey.	-11.95		67.39 ✓
"	+3.04	70.43 ✓	
3	-3.7		66.7 ✓
+50	-4.2		66.2 ✓
4	-4.7		65.7 ✓
+50	-5.4		65.0 ✓
5	-6.2		64.2 ✓
+50	-6.8		63.6 ✓
6	-7.3		63.1 ✓
+50	-7.4		63.0 ✓

Pipe line Levels Apr. 21

G. J. Rennie Rod
J. a Johnston Tape

	±	H.I.	Elev.	
7	-7.4	70.43	63.0 ✓	
+50	-8.7		61.7 ✓	
Peg	-8.68		61.75 ✓	
	+1.21	62.96 ✓		
8	-2.6		60.4 ✓	
+50	-4.7		58.3 ✓	
+90	-6.2		56.8 ✓	sitch
9	-6.3		56.7 ✓	"
+10	-5.8		57.2 ✓	"
+15	-3.8		59.2 ✓	
+35	-3.0		60.0 ✓	
+50	-1.8		61.2 ✓	
10	-5.0		58.0 ✓	
+25	-8.1		54.9 ✓	
+50	-11.6		51.4 ✓	
Peg	-12.31		50.65 ✓	
	+0.74	51.39 ✓		

G. J. Rennie Rod
J. A. Johnston Tape

	±	H.I.	Elev	
10+60	-2.3	51.39	49.1	✓
+70	-7.5		43.9	✓
+75	-11.2		40.2	✓
+80	-12.4		39.0	✓
+85	-14.0		37.4	✓
+90	-11.2		40.2	✓
11	-0.7		50.7	✓
Beg.	-0.93		50.46	✓
	+10.73	61.19		✓
+07	-2.5		58.7	✓
Beg.	-0.12		61.07	✓
	+11.40	72.47		✓
+25	-10.1		62.4	✓
+50	+7.5		65.0	✓
+80	-5.1		67.4	✓
12	-4.6		67.9	✓
+50	-3.7		68.8	✓

Pope Linn Limits Apr. 2/04

6

Rock close to surface

" " "

" " "

Soft rock. Bottom of canon

" "

" "

" " close to surface.

G. J. Rennie Rod.
J A Johnston Tape

	±	H.I.	Elev.	
+95	-3.2		69.3 ✓	Ditch
13	-3.6	72.47	68.9 ✓	
+35	-2.7		69.8 ✓	Cut. Road.
+50	-2.8		69.7 ✓	
+90	-3.0		69.5 ✓	Turn on to Prospect Ave.
14	-3.1		69.4 ✓	
Reg. Hub.	-2.62 ✓		69.85 ✓	Hub at So. W. Cor Block 18
	+7.28	77.13 ✓		
+50	-7.0		70.1 ✓	
15	-6.8		70.3 ✓	
+50	-5.8		71.3 ✓	
+85	-4.8		72.3 ✓	
16	-4.0		73.1 ✓	
+15	-4.9		72.2 ✓	
+50	-4.8		72.3 ✓	
17	-4.3		72.8 ✓	
+50	-3.8		73.3 ✓	
18	-3.3		73.8 ✓	
+50	-2.7		74.4 ✓	
19	-2.2		74.9 ✓	

Pipe Line Levels Apr. 21 '04

G J Rennie Rod
J A Johnston Tape

Pipe Line Levels Apr. 21 '04

Sta.	±	H.I.	Elev	
19+50	-1.9	77.13	75.2 ✓	
20	-1.5		75.6 ✓	
Peg.	-1.55		75.58 ✓	
	+9.14	84.72 ✓		
+50	-10.1		74.6 ✓	
21	-10.1		74.6 ✓	
+25	-10.2		74.5 ✓	
+50	-7.8		76.9 ✓	
+80	-5.47		79.25 ✓	Cent. Dummy Track Base of rail.
22	-6.7		78.0 ✓	
+35	-7.6		77.1 ✓	
+50	-6.8		77.9 ✓	
23	-5.3		79.4 ✓	
+50	-3.9		80.8 ✓	
24	-2.7		82.0 ✓	
+50	-2.2		82.5 ✓	
25	-2.0		82.7 ✓	24+98 So. line Conn. H.

G. J. Rennie Rod.
J. a J. Johnston Tape

Pipe Line Levels Apr. 21 04

Sta.	±	H.I.	Elev.	
25+30	-2.9	84.72	81.8	✓
+50	-2.2		82.5	✓
+61	-2.12		82.60	✓
+80	-2.6		82.1	✓
26	-2.0		82.7	✓
+50	-1.7		83.0	✓
27	-1.5		83.2	✓
Beg.	-1.44		83.28	✓
	+7.43	90.71		✓
+50	-6.3		84.4	✓
+63	-6.02		84.69	✓
28	-6.0		84.7	✓
+50	-4.6		86.1	✓
29	-4.8		85.9	✓
+50	-4.5		86.2	✓
30	-4.5		86.2	✓
Hub	-3.41		87.30	

Ant. Dummy line. Base of rail.

Ant. Dummy line. Base of rail.

N. E. Cor. Blk. 36

G. J. Rennie Rod
J. A. Johnston Tape

Sta.	I	H.I.	Elev.	
30+50	-4.6	90.71	86.1 ✓	
31	-4.3		86.4 ✓	
+50	-3.7		87.0 ✓	
32	-3.2		87.5 ✓	
+50	-3.2		87.5 ✓	
Peg.	-3.02		87.69 ✓	
	+6.55	94.24 ✓		
+81	-5.47		88.77 ✓	Cut. Dummy line. Base of rail.
33	-5.7		88.5 ✓	
+50	-5.5		88.7 ✓	
34	-4.8		89.4 ✓	
+50	-4.3		89.9 ✓	
35	-3.6		90.6 ✓	
+29	-2.90		91.34 ✓	Cut. Dummy line. Base of rail.
+50	-3.3		90.9 ✓	
36	-3.4		90.8 ✓	
Peg.	-3.32		90.92 ✓	
	+6.75	97.67 ✓		

Pipe Line Levels Apr. 21 '04

G J Rennie Rod
J A Johnston Tape

36+50	-5.7	97.67	92.0 ✓	
37	-4.5		93.2 ✓	
+50	-3.9		93.8 ✓	
38	-4.1		93.6 ✓	
+24	-3.43		94.24 ✓	Cut. Dummy line. Base of rail. 7 ft. from end.
+50	-3.9		93.8 ✓	
39	-4.6		93.1 ✓	
+50	-5.0		92.7 ✓	
40	-4.4		93.3 ✓	
+12	-4.0		93.7 ✓	So. line Grand Ave.
B.M.	-5.80		91.87 ✓	Hub. N.W. Cor. Block 38
Peg.	-0.05 / +11.44	109.06 ✓	97.62 ✓	
	-0.67		108.39 ✓	CK. on B.M. on Tel. pole near Cor. Grand Ave & Conn.

91.89
12
92.01

Pipe Line Levels Apr. 21 '04

Grand Ave. Beginning at the South line of La Jolla Park.

G. J. Rennie Rod. May 17th '09
J. A. Johnston Chain.

		±	H-I.	Elev.
0	So. line La Jolla Park	+ 0.70	131.13	130.43
+50				
1				
+50				
2				
+50				
3				
		-12.92		118.21
Rey.		+ 0.16	118.37	
+50				
4	N.E. Cor. Blk. 7	-3.99		114.38
+50				
5				
+50				
6				
+50				

E. Rod	E. Elev.	C Rod.	C Elev.	W. Rod	W. Elev.
0.70	130.43	0.7	130.43	1.1	130.03
3.2	127.93	3.5	127.63	3.0	128.13
5.0	126.13	5.0	126.13	5.2	125.93
7.0	124.13	7.1	124.03	7.2	123.93
9.0	122.13	9.1	122.03	9.4	121.73
10.7	120.43	11.0	120.13	11.2	119.93
12.4	118.73	13.0	118.13	13.2	117.93
1.3	117.07	2.7	116.17	2.5	115.87
3.3	115.07	4.3	114.07	4.0	114.37
4.9	113.47	5.3	113.07	6.0	112.37
6.4	111.97	6.7	111.67	7.4	110.97
8.0	110.37	8.4	109.97	9.0	109.37
10.0	108.37	9.8	108.57	10.8	107.57
12.2	106.17	11.8	106.57	11.9	106.47

May 17th 04

G. J. Rennie Rod
J. A. Johnston Chain

		±	H-I.	Elev.
		-12.90	118.37	105.47
Beg.		+0.00	105.47	
7				
+50				
8				
+50				
9				
+50				
+79.9	N.E. Cor. Blk. 8	-11.79		93.68
10				
		-12.59		92.88
Beg.		+7.08	99.96	
+50				
+75				
11				
+50				
12				
		-1.77		98.19
Beg.		+11.89	11.0.08	
+50				
13				

Grand Av.

13

E. Rod	E. Elev.	C. Rod	C. Elev.	W. Rod	W. Elev.
1.4	104.07	0.7	104.77	1.4	104.07
3.3	102.17	3.7	101.77	3.6	101.87
4.8	100.67	5.7	99.77	6.3	99.17
6.6	98.87	7.2	98.27	11.0	94.47
8.6	96.87	9.2	96.27	11.5	93.97
8.9	96.57	10.0	95.47	11.3	94.17
10.8	94.67	11.7	93.77	12.5	92.97
7.8	92.16	8.4	91.56	9.0	90.96
9.4	90.56	9.0	90.96	10.1	89.86
8.1	91.86	8.6	91.36	13.0	86.96
2.9	97.06	5.0	94.96	6.3	93.66
1.5	98.46	3.2	96.76	4.4	95.56
9.6	100.48	11.9	98.18	12.4	97.68
8.0	102.08	9.7	100.38	10.7	99.38

May 17 '04

G.J. Rennie Rod.
J.A. Johnston Chain

		I	Hei.	Elev.
13+50			110.08	
14				
+50				
15				
+50				
+59.7	N.E. Cor Blk 22	-6.24		103.82 x
16				
+50				
17				
+50				
18				
+50				
Beg.		-2.12 +2.67	110.63	107.96
19				
+50				
20				
+50				
21				

Grand Av.

E. Rod	E. Elev.	C. Rod	C. Elev.	W. Rod	W. Elev.
6.9	103.18	8.5	101.58	9.5	100.58
6.2	103.88	7.6	102.48	8.5	101.58
5.3	104.78	6.6	103.48	7.6	102.48
4.6	105.48	5.7	104.38	6.9	103.18
3.9	106.18	4.8	105.28	6.3	103.78
3.0	107.08	4.6	105.48	5.9	104.18
3.1	106.98	4.2	105.88	5.3	104.78
2.6	107.48	4.2	105.88	5.0	105.08
2.4	107.68	3.4	106.68	4.4	105.68
1.8	108.28	2.9	107.18	4.0	106.08
1.5	108.58	2.7	107.88	3.5	106.58
1.9	108.73	2.7	107.93	3.6	107.03
2.2	108.43	3.0	107.63	3.9	106.73
2.6	108.03	3.3	107.33	4.4	106.23
2.5	108.13	3.7	106.93	4.5	106.13
2.9	107.73	4.0	106.63	5.0	105.63

G.J. Rennie Rod
J.A. Johnston Chain

		±	H.I.	Elev.
21+39.3	N.E. Cor. Blk. 30	-5.25	110.63	105.38
+50				
22				
+50				
23				
B.M.	Cor. Gr. Av. + Conn H	-2.22		108.51
+50				
24				
+50				
25				
+50				
26				
Beg.		+6.40 +2.11	106.64	104.23
+50				
27				
+50				
28				
+50				

Grand Av.

E. Rod	E. Elev.	C. Rod	C. Elev.	W. Rod	W. Elev.
3.6	107.03	4.2	106.43	5.1	105.53
3.9	106.73	4.6	106.03	5.9	104.73
4.1	106.53	5.1	105.53	6.1	104.53
4.7	106.43	5.3	105.33	6.4	104.23
4.1	106.53	5.5	105.13	6.4	104.23
4.2	106.43	5.5	105.13	6.8	103.83
4.2	106.43	5.6	105.03	6.5	104.13
4.3	106.33	5.8	104.83	6.5	104.13
4.9	105.73	6.0	104.63	6.8	103.83
5.4	105.23	6.2	104.43	6.9	103.73
1.9	104.74	2.4	104.24	3.0	103.64
2.9	103.74	3.4	103.24	3.9	102.74
4.2	102.44	5.2	101.44	6.0	100.64
5.7	100.94	6.9	99.74	7.8	98.84
6.8	99.84	8.2	98.44	9.1	97.54

G J Rennie Rod May 17, '04
J a Johnston Chain

	I	H-1.	Elev.
29		106.64	
+50			
Peg +89 N.E. Cor. Blk. 38	−12.67 + 2.45	96.42	93.97
30			
N.W. Cor Blk. 54	−0.70		95.72
+50			
31			
+50			
32			
+50			
33			
+50			
34			
Peg	−12.66 +0.62	84.38	83.76
33			
+50			
34			
+50			

Grand Av.

E Rod	E Elev.	C Rod	C Elev.	W Rod	W Elev
7.8	98.84	9.4	97.24	10.7	95.94
9.0	97.64	10.7	95.94	11.9	94.74
0.1	96.32	1.4	95.02	2.8	93.62
0.7	95.72	2.2	94.22	3.4	93.02
0.6	95.82	2.0	94.42	2.7	93.72
0.5	95.92	2.2	94.22	2.8	93.62
0.7	95.72	6.2	90.22	5.1	91.32
2.3	94.12	11.0	85.42	11.1	85.32
4.3	92.12	13.4	83.02		
5.4	91.02				
12.5	83.92				
				4.1	80.28
		3.2	81.18	8.5	75.88
		7.7	76.68	13.4	70.98
5.3	79.08	12.5	71.88		

G J Runnie Rod
J a Johnston Chain

May 17th 04

	+	H.I.	Elev.
Beg.	-12.59	84.38	71.79
	+1.22	73.01	
34+50			
35			
+50			
Beg	-12.52		
	+1.31	61.80	60.49
35+50			
36			
36+23 opposite No. Cor Blk 57	-12.78		49.02
+50			
Beg.	-12.32		
	+1.05	50.53	49.48
36+50			
37			
+50			
38			
Beg	-12.54		37.99
	+1.23	39.22	
38			
+50			
39			
+50			

Grand Av.

E. Rod	E. Elev.	C. Rod	C. Elev.	W. Rod	W. Elev.
				5.8	67.21
2.3	70.71	7.2	65.81	10.7	62.31
9.4	63.61				
		2.9	58.90	4.8	57.00
5.6	55.20	9.9	51.90	10.7	51.10
11.7	50.10				
		2.7	47.83	3.5	47.03
4.9	45.63	6.5	44.03	8.4	42.13
8.7	41.83	10.3	40.23	12.2	38.33
11.0	39.53	13.3	37.23		
				4.7	34.52
1.7	37.52	4.1	35.12	6.7	32.52
3.7	36.02	6.2	33.02	8.1	30.62
5.0	34.22	7.8	31.42	10.1	29.12

G.J. Rennie Rod — May 18th '04

J. & J. Johnston Chainy

	+	−	H.I.	Elev.
40			39.22	
Peg		−7.99		31.23
		+2.46	33.69	
+50				
41				
+50				
42				
+50				
43				
43+44 Cross line between lots 1+2 produced.				
Peg		−5.47		28.22
		+8.94	37.16	
+50				
+50				
44				
44				
44				
+50				
+50				
+50				

Grand Av.

E. Rod	E. Elev.	C. Rod	C. Elev.	W. Rod	W. Elev.
6.1	33.12	8.9	30.32	11.1	28.12
7.0	31.69	4.5	29.19	6.9	26.79
7.8	30.89	5.5	28.19	7.2	26.49
3.6	30.09	6.4	27.29	8.8	24.89
4.1	29.59	7.3	26.39	8.9	24.79
3.8	29.89	7.4	26.29	9.8	23.89
5.0 / 47.5	28.69	7.1	26.59	9.4	24.29
2.7 / 50	30.99				
8.2 / 45.0	28.96	10.2	26.96	12.9 / 46.0	24.26
4.9 / 50.0	32.26				
6.6 / 38.0	30.56	9.4	27.76	9.3 / 10.0	27.86
2.6 / 46.5	34.56				
2.6 / 50.0	34.56				
5.2 / 30.0	31.96	7.1	30.06	10.0 / 43.0	27.16
1.9 / 38.0	35.26				
1.7 / 50.0	35.46				

G.J. Rennie Rod. May 16th 24
J.A. Johnston Chain

	±	H.I.	Elev.
		37.16	
45			
+50			
46			
+50			
47			
+50			
47+91.2	Cross line between lots 29+30 produced.		
48			
+50			
Peg.	-1.71		35.95
	+11.60	47.55	
45			
+50			
46			
+50			
47			
+50			
48			
+50			
B.M.	Iron pin at Sta. 17+30 "E"	-12.56	34.99

Grand Av.

E C W

Rod	Elev.	Rod	Elev.	Rod	Elev.
1.6	38.56	5.1	32.06	8.9	28.26
26.5				48.0	
		2.7	34.46	4.7	32.46
				26.0	
		0.0	37.16	2.6	34.56
				23.0	
				2.8	34.36
				31.0	
				4.1	33.06
				42.0	
				5.9	31.26
				50.0	
				5.3	31.86
				50	
				2.0	35.16
				36.0	
9.2	38.35				
50.0					
5.8	41.75				
50.0					
3.9	43.65				
50					
		9.4	38.15		
9.2	38.35	9.9	37.65		
11.0					
9.5	38.05	12.0	35.55		
24.0					
8.6	38.95	12.3	35.25		
30					
		8.6	38.95		

G J Rennie Rod May 17th '04 Grand Av.

J A Johnston Chain

	±	H.I.	Elev.	E Rod	E Elev.	C Rod	C Elev.	W Rod	W Elev.
Peg	-1.69 +6.67	47.55 52.53	45.86						
46+50				2.6/50	49.93				
47				2.6/38.0	49.93				
47				2.0/50	50.53				
+50				5.0/50	47.53				
48				9.1/50	43.43				
Peg	-0.91 +6.00	57.62	51.62						
48+50				5.7/50.0	51.92				
49 House on East line St.				3.1/31.0	54.52	12.7	44.92	20.4/45.0	37.22
+50						4.8	52.82	15.6/45.0	42.02
Peg	-2.02 +12.59	68.19	55.60						
50						9.2	58.99		
Peg	-1.55 +12.78	79.42	66.64						
49+50				8.3/50.0	71.12				
50				0.1/50.0	79.32				

See note on Next page

G J Rennie Rod — May 17th 04
J A Johnston Chain

	+	−	H.I.	Elev.
Note: At Station (50) on acct. of the 50 ft. line going over the break in places the "C" was changed from 50 ft to 40 ft from the "East" line of st.				
50			68.19	
+50				
51				
+50				
52				
Beg		−1.55	79.42	66.64
	+12.78			
50				
+50				
51				
52+50				
Beg.		−7.71	83.91	71.71
	+12.20			
51+50				
52				
+50				
52+94.7 Cross line between lots 33 & 34 produced.				
53.				
Beg		−3.42	87.22	80.49
53	+6.73			

Grand Av.

E Rod	E Elev.	C Rod	C Elev.	W Rod	W Elev.
		4.7	63.49		
		4.6	63.6	7.9 / 12.0	60.29
		4.0	64.19	5.3 / 4.0	62.89
		3.4	64.79	4.1 / 4.0	64.09
		1.8	66.39	4.0 / 7.0	64.19
.0.1 / 40	79.32				
1.5 / 40	77.92				
3.0 / 40	76.42				
		11.2	68.22	12.1 / 1.5	67.32
7.3 / 40.0	76.61				
7.9 / 40	76.01				
4.4 / 40	79.51				
		9.2	74.71		
1.5 / 40.0	85.72				

G. J. Rennie Rod
J. A. Johnston Chain. ± — H.I. Elev

E. C W

Rod Elev. Rod Elev Rod Elev.

±	H.I.	Elev	E		C		W.	
			Rod	Elev.	Rod	Elev.	Rod	Elev.

Wall Street, beginning on the East line of Grand Ave. & running west to Garfield St.

G. J. Rennie Rod May 18th 1904
J. A. Johnston Chain ±

			H.I.	Elev.
B.S. from N.E. Cor Blk 38		+12.62	106.59	93.97
0 East side Grand Ave.				
+50				
1				
+50				
2				
		-2.17		
Beg.		+6.59	111 06	104.47
+50				
3	N.E. Cor Blk. 39	-5.59		105.47
+50				
4				
+50				
5				
+50				
6				
+50				
+80	N.E. Cor. Blk. 40	-2.51		108.55

Wall St.

N.		C.		S	
Rod	Elev.	Rod	Elev.	Rod	Elev.
5.7	100.89	4.3	102.29	3.4	103.19
4.9	101.69	3.9	102.69	2.7	103.89
4.1	102.49	3.2	103.39	2.3	104.29
3.3	103.29	2.4	104.19	1.4	105.19
2.4	104.19	1.9	104.69	1.2	105.89
6.8	104.76	6.3	104.76	5.4	105.66
5.9	105.16	5.7	105.36	5.6	105.46
5.8	105.26	5.5	105.56	5.0	106.06
5.3	105.76	5.0	106.06	4.6	106.46
4.9	106.16	4.9	106.19	4.7	106.36
4.8	106.26	4.4	106.66	4.3	106.76
4.5	106.56	4.2	106.86	3.8	107.26
4.1	106.96	3.6	107.46	3.3	107.76
3.6	107.46	3.1	107.96	2.7	108.36
3.1	107.96	2.8	108.36	2.5	108.56

New York Ave. Beginning at and running North to Prospect

G.J. Rennie Rod May 19th '04

J.A. Johnston Chain

	±	H.I.	Elev.
B.M. S line La Jolla Park & E. line 1st Ave.			130.43
	+2.49	132.92	
Beg. Range line Hub	-10.26 +1.97	124.63	122.66
0 So. Line La Jolla Park			
+50			
1			
+50			
2			
+50			
3			
+50			
Beg	-12.97 +0.66	112.32	111.66
Range line Hub. N.E. Cor Blk. 6	-2.75		109.57
4 So. line			
+50			
5			

the South Boundary La Jolla Park St

E.		C		W	
Rod	Elev	Rod	Elev.	Rod	Elev.
New York Ave.					
0.2	124.43	1.2	123.43	2.1	122.53
1.7	122.93	2.8	121.83	3.8	120.83
2.7	121.93	4.5	120.13	5.5	119.13
4.0	120.63	5.4	119.23	6.7	117.93
5.5	119.13	6.9	117.73	8.2	116.43
6.4	118.23	8.6	116.03	9.7	114.93
8.6	116.03	10.0	114.63	11.5	113.13
9.5	114.83	11.0	113.63	13.0	111.63
0.5	111.82	1.3	111.02	2.2	110.12
2.7	109.62	3.0	109.32	4.3	108.02
5.5	106.82	5.8	106.52	6.7	106.12

GJ Rennie Rod
J.A. Johnston Chain

May 19 ± 04

		±	H-I.	Elev.
5+50			112.32	
6				
+50				
7				
+50				
Peg		-12.79 +0.45	99.98	99.53
8				
+50				
9				
+50				
10				
+50				
Peg.		-12.53 +3.55	91.00	87.45
10+94	N.E. Cor Blk 9	-4.03		86.97
11				
+20				
+31				
+50				

N-Y. Av.

E Rod	E Elev.	C Rod	C Elev.	W. Rod	W. Elev.
6.5	105.82	7.8	104.52	8.3	104.02
8.0	104.32	8.7	103.62	9.9	102.42
8.6	103.72	9.7	102.62	10.6	101.72
10.2	102.12	10.8	101.52	12.1	100.22
14.0	98.32	12.3	100.02	13.2	99.12
4.3	95.68	2.1	97.88	3.3	96.68
4.1	95.88	3.7	96.28	4.2	95.78
5.4	94.58	5.3	94.68	5.8	94.18
8.6	91.38	7.7	92.28	7.5	92.48
9.4	90.58	10.1	89.88	10.5	89.48
11.2	88.78	11.2	88.78	12.4	87.58
4.7	86.30	5.4	85.60	4.2	86.80
7.8	83.20	7.4	83.60	4.8	86.20
11.3	79.70	12.8	78.20	5.2	85.80
5.1	85.90	7.6	83.40	13.4	77.60

G J Rennie Rod
J A Johnston Chain

21 May 19th 04

N-Y. Av.

	±	H.I.	Elev.	E. Rod	E. Elev.	C Rod	C Elev.	W Rod	W Elev.
12		91.00		3.5	87.50	5.6	85.40	11.0	80.00
+25				4.1	86.90	6.6	84.40	6.4	84.60
+50				3.1	87.90	4.3	86.70	4.7	86.30
13				0.8	90.20	1.6	89.40	0.9	90.10
Peg	-0.22 +10.35	101.13	90.78						
+50				8.4	92.73	9.0	92.13	9.8	91.33
14				7.6	93.53	8.6	92.53	9.6	91.53
+50				6.8	94.33	7.8	93.33	8.8	92.33
15				5.9	95.23	7.0	94.13	7.9	93.23
+50				5.1	96.03	6.1	95.03	7.0	94.13
15+59.8 So. line Center St. Range line Hub. N.E. Cor Blk 21	-6.42		96.71						
16				4.1	97.03	4.8	96.33	5.8	95.33
+50				3.0	98.13	4.1	97.03	5.0	96.13
17				2.5	98.63	3.3	97.83	3.9	97.23
+50				1.7	99.43	2.2	98.93	2.8	98.33
18				0.8	100.33	1.3	99.83	1.4	99.73
Peg	-0.66 +4.88	105.35	100.47						
+50				4.4	100.95	4.3	101.05	4.2	101.15

S J Rennie Rod May 19th '04
J A Johnston Chain

	±	H.I.	Elev.
19		105.35	
+50			
20			
+50			
21			
Hub N.E. Cor Blk. 31 21+38.3 So. line Conn. St.	-5.97		99.38
+50			
22			
+50			
23			
+50			
Peg.	-5.90 +0.86	100.31	99.45
24			
+50			
25			
+50			
26			
+50			

N-Y-Av.

E Rod	E Elev.	C Rod	C Elev.	W. Rod	W. Elev.
3.2	102.15	4.0	101.35	4.2	101.15
3.5	101.85	4.2	101.15	4.6	100.75
4.3	101.05	4.6	100.75	4.9	100.45
4.0	101.35	4.5	100.85	4.6	100.75
5.5	99.85	5.0	100.35	5.6	99.75
4.8	100.55	5.2	100.15	6.0	99.35
5.0	100.35	5.6	99.75	6.5	98.85
5.0	100.35	5.8	99.55	6.5	98.85
5.1	100.25	6.0	99.35	6.9	98.45
5.7	99.65	5.9	99.45	7.3	98.05
1.1	99.21	1.9	98.41	2.9	97.41
1.5	98.81	2.5	97.81	3.4	96.91
2.1	98.21	3.3	97.01	4.1	96.21
3.3	97.01	4.3	96.01	5.1	95.21
4.3	96.01	5.6	94.71	6.4	93.91
5.4	94.91	6.5	93.81	7.3	93.01

G.J. Rennie Rod
J.A. Johnston Chain

May 19th '04

	+ −	H.I.	Elev
27		100.31	
+23.8 Opposite N.E. Cor Blk 37			
+42.0 " " W. " " 38			
Hub. N.W. Cor. Blk 38 :	-8.29		92.02
Beg.	+9.77	109.22	99.45
Bm. Cor. Grand & Conn.	-0.70		108.52

N-Y. Av.

E Rod	E Elev.	C Rod	C Elev.	W Rod	W Elev.
6.9	93.41	7.4	92.91	8.2	92.11
7.5	92.81	8.3	92.01	8.9	91.41

(108.51)

Levels on Washington Ave. beginning at North to Prospect St.

G.J. Rennie Rod.
F.H. Woodworth Chain

May. 28th 04

	±		
Range line Hub. N. Y. Ave.	+0.27	122.93	122.66
" " " Washington Av.	-9.77		113.16
O. So. Line La Jolla Park			
+50			
1			
Peg	-12.52 +0.26	110.67	110.41
+50			
2			
+50			
3			
+50			
4			
4+07. Range line Hub. N.E. Cor. Blk 6	-10.42		100.25
+50			
5			
Peg	-12.47 +0.21	98.41	98.20

the So. line La Jolla Park & running

Washington Ave.

30

E. Rod	E. Elev	C. Rod	C. Elev	W. Rod	W. Elev.
8.0	114.93	8.8	114.13	10.3	112.63
9.4	113.53	10.2	112.73	11.3	111.63
10.9	112.03	11.6	111.33	12.7	110.23
0					
0.3	110.37	1.4	109.27	1.8	108.87
2.2	108.47	3.2	107.47	3.7	106.97
4.1	106.57	5.0	105.67	5.4	105.27
5.3	105.37	6.5	104.17	7.0	103.67
6.7	103.97	7.5	103.17	8.7	101.97
8.2	102.47	9.3	101.37	10.2	100.47
11.8	98.87	11.3	99.37	10.3	100.37
13.5	97.17	12.5	98.17	11.7	98.97

S. J. Rennie Rod
F. H. Woodworth Chain

May 23rd 04

	±	H.I.	
5+50		98.41	
6			
+50			
7			
+50			
8			
+50			
9			
Peg	-12.75 +2.05	87.71	85.66
+50			
10			
+50			
11			
S.E. Cor. Blk. 11	-6.94		80.77
+50			
Peg.	-11.74 +5.71	81.68	75.97
11+78 opposite N.E. Cor Blk 11			
N.E. Cor Blk 11	-6.65		75.03

Washington Ave

E ~ C ~ W.

Rod	Elev.	Rod	Elev.	Rod	Elev.
0.2	98.21	1.1	97.31	2.5	95.91
1.4	97.01	2.4	96.01	3.8	94.61
2.5	95.91	3.7	94.71	4.7	93.71
3.6	94.81	4.9	93.51	6.0	92.41
5.4	93.01	6.1	92.31	7.3	91.11
7.2	91.21	7.5	91.91	8.5	89.91
10.3	88.11	9.7	88.71	9.7	88.71
12.8	85.61	12.0	86.41	11.8	86.61
3.1	84.61	2.9	84.81	3.5	84.21
7.9	79.81	7.6	80.11	4.9	82.81
7.5	80.21	8.1	79.61	6.7	81.01
7.4	80.31	8.4	79.31	9.4	78.31
10.8	76.91	11.2	76.51	12.2	75.51

G.J. Kinnie Rod
F.H. Woodworth Chain

May. 23rd 05

		±	H.I.	Elev.
12			81.68	
+15				
+30				
+50				
		-3.67		
Beg.		+11.96	89.97	78.01
13				
+50				
14				
+58				
15				
+50				
+59.6	So. line Custer St.			
+66.6	Range line Hub.	-1.15		88.82
Beg.	N.E. Cor. Blk. 20	+12.25	101.07	
16				
+50				
17				
+50				
18				

Washington Ave.

32

Rod	E. Elev.	Rod	C Elev.	Rod	W Elev.
3.8	77.88	5.9	75.78	7.0	74.68
5.5	76.18	11.4	70.28	11.7	69.98
10.5	71.18	6.5	75.18	7.9	73.78
4.5	77.18	4.3	77.38	6.4	75.28
7.0	82.97	8.3	81.67	12.0	77.97
8.4	81.57	11.0	78.97	12.8	77.17
6.6	83.37	8.4	81.57	9.6	80.37
5.2	84.77	6.3	83.67	7.0	82.97
3.0	86.97	4.0	85.97	4.6	85.37
1.5	88.47	1.9	88.07	1.8	88.17
10.5	90.57	10.8	90.27	11.2	89.87
8.2	92.87	8.8	92.27	9.6	91.47
7.1	93.97	7.4	93.67	8.0	93.07
5.8	95.27	6.0	95.07	6.2	94.87
4.1	96.97	4.8	96.27	5.3	95.77

G J Rennie Rod May 23rd '04

F. H. Woodworth Chain

		±	H.I.	
18+50			101.07	
19				
+50				
20				
+50				
21				
Peg		−6.03 +0.96	96.00	95.04
+39.9	S. line Conn. St.			
+39.9	Hub. N.E. Cor Blk. 32	−2.93		93.07
21+50				
22				
+50				
23				
+50				
+74.9	opp. N.E. Cor Blk. 36	−8.64 0		87.36
24				
+95.6	opp. N.W. Cor. Blk 37	−9.03 0		86.97

Washington Ave.

E		C		W	
Rod	Elev	Rod	Elev.	Rod	Elev.
3.8	97.27	4.4	96.67	5.1	95.97
4.1	96.97	4.6	96.47	4.9	96.17
4.3	96.77	4.8	96.27	5.5	95.57
4.6	96.47	5.0	96.07	5.7	95.37
5.2	95.87	5.5	95.57	6.0	95.07
5.1	95.97	6.5	94.57	7.3	93.77
1.7	94.30	2.2	93.80	3.0	93.00
2.6	93.40	3.6	92.40	4.0	92.00
3.6	92.46	4.5	91.50	5.2	90.80
4.9	91.10	5.6	90.40	6.5	89.50
5.7	90.30	6.7	89.30	7.8	88.20
7.3	88.70	8.5	87.50	9.4	86.60

Levels on Orange Ave. Beginning at the So. line of La Jolla Park & running North to Prospect St. May. 23rd 04

G. J. Rennie Rod.
F. H. Woodworth Chain

		I	H.I.	Elev.
B.S. on Range Hub.	ave. Wash.	+0.39	113.55	113.16
		−11.40		
Peg on Hub S.W. Cor Blk. 5		+0.30	102.45	102.15
Range line Hub Orange ave		−2.28		100.17
0 So. line La Jolla Park				
+50				
1				
+50				
2				
+50				
3				
+50				
4				
Peg.	on Range line Hub. N.E. Cor Blk. 4	−12.40		90.05
		+2.36	92.41	
+50				
5				
+50				
6				

E C W. 34

Rod	Elev.	Rod	Elev.	Rod	Elev.
0.3	102.15	1.0	101.45	2.5	99.95
1.8	100.65	2.8	99.65	4.0	98.45
2.6	99.85	4.1	98.35	5.6	96.85
3.9	98.55	5.1	97.35	6.7	95.75
5.3	97.15	6.8	95.65	8.0	94.45
6.6	95.85	8.4	94.05	9.3	93.15
7.8	94.65	8.9	93.55	10.2	92.25
9.3	93.15	10.4	92.05	11.9	90.55
10.2	92.25	11.8	90.65	12.7	89.75
1.6	90.81	2.9	89.51	4.1	88.31
2.8	89.61	3.8	88.61	5.3	87.11
3.4	89.01	5.2	87.21	6.1	86.31
4.9	87.51	6.5	85.91	7.8	84.61

G. J. Rennie Rod
T. H. Woodworth Chain

May 23rd 04

		±	H.I.	Elev.
6+50			92.41	
7				
+50				
8				
+50				
9				
Peg		-12.20 +0.53	80.74	80.21
+50				
10				
+50				
11				
+50				
+85.1	N.E. Cor Hub Blk. 12	-10.74		70.00
12				
Peg		-12.61 3.71	71.84	68.13
+25				
+50				
+75				

Orange Ave.

E		C		W	
Rod	Elev.	Rod	Elev.	Rod	Elev.
6.6	85.81	7.5	84.91	8.4	84.01
7.4	85.01	8.1	84.31	9.4	83.01
8.6	83.81	9.8	82.61	10.8	81.61
9.3	83.11	10.3	82.11	11.4	81.01
10.7	81.71	11.3	81.11	11.8	80.61
11.3	81.11	12.3	80.11	13.3	79.11
0.8	79.94	1.6	79.14	2.5	78.24
1.9	78.84	3.5	77.24	4.6	76.14
4.2	76.54	7.7	73.04	8.9	71.84
6.4	74.34	6.2	74.54	10.2	70.54
8.2	72.54	9.0	71.74	9.9	70.84
9.2	71.54	9.3	71.44	11.8	68.94

97/40 62.14 65.04 — 103/15.0 — 78/3.0 — 22/0 69.64 — 57/40. 66.14

68/40. — 106/25 — 105/10. — 39/7.0 — 39.2/0. 67.94 — 65/20. — 94/40. 62.44

113/40 60.84 — 114/37 — 54/30. — 63/0. 65.54 — 94/30. — 141/40. 57.74

G. J. Rennie Rod
7 H Woodwort Chain

May 23rd

	±	H.I.	Elev
13		71.84	
+10			
+30			
+50			
Peg.	−0.29 +12.33	83.88	71.55
13.			
+10			
+30			
+50			
14			
+50			
Peg.	−0.27 +7.87	91.48	83.61
15			
+50			
+59.85 N.E. Cor Blk. 19 So. line Center ft	−6.89		84.59
16			
+50			
17			

Orange Ave.

E Rod	E Elev.	C Rod	C Elev.	W. Rod	W. Elev.
5.6 / 40.	66.24	8.3 / 13.	12.1 / 0.0 59.74	13.9 / 8.0	14.6 / 15.
6.1 / 40.	65.74	7.5 / 22.	14.5 / 0.0 57.34		
7.8 / 40.0	64.04	13.9 / 19.	19 / 0.0 69.94		
10.1 / 40.	61.74	12.6 / 31.0			
				12.1 / 40.	71.78
			12.4 / 20.	9.4 / 40.	74.48
			9.0 / 15.	6.5 / 40.	77.38
		11.4 / 10.	9.8 / 0.0 74.08	6.8 / 15.0	4.5 / 40. 79.38
8.5	75.38	5.4	78.48	2.2	81.68
1.7	82.18	0.9	82.98	0.8	83.08
6.4	85.08	7.4	84.08	7.4	84.08
5.9	85.58	6.4	85.08	7.0	84.48
4.6	86.88	5.6	85.88	5.9	85.58
4.0	87.48	4.8	86.68	5.8	85.68
3.4	88.08	4.2	87.28	5.1	86.38

Cross-Sections between 12+25 + 13+50

G.J. Rennie Rod
F.H. Woodworth Chain

May 23rd 04

		±	H.I.	Elev.
17+50			91.48	
18				
+50				
19				
+20				
20				
+50				
+89.4	N.E. Cor Blk. 33	-8.18		83.30
21				
+50				
22				
22+19.8	N. line Conn St. + S.W. Cor Blk. 36	-7.40		84.08

Orange Ave.

37

E. Rod	E. Elev.	C Rod	C Elev.	W. Rod	W. Elev.
3.4	88.08	4.0	87.48	4.8	86.68
3.8	87.68	4.6	86.88	5.7	85.78
4.5	86.98	5.2	86.28	6.5	84.98
4.9	86.58	6.0	85.48	7.2	84.28
4.9	86.58	5.9	85.58	6.5	84.95
5.0	86.48	6.1	85.38	7.4	84.08
5.3	86.18	6.5	84.98	7.8	83.68
5.9	85.58	6.6	84.88	8.2	83.28
6.3	85.18	7.6	83.88	9.2	82.28
7.3	84.18	8.6	82.88	9.8	81.68

Levels on Palm Ave. Beginning at ... running North to Coast St.

May 23rd '04

G.J. Rennie Rod
J.H. Woodworth Chain

	±	H.I.	Elev.
B.S.	+0.55	100.72	100.17
	-12.58		
Peg.	+1.72	89.86	88.14
Range line Hub, Palm Ave.	-4.73		85.13
O So. line La Jolla Park.			
+50			
1			
+50			
BM.	-5.30		84.56
2			
+50			
3.			
+50			
4			
+50			
Peg.	-10.62		
	+2.86	82.10	79.24
5			

the South line of La Jolla Park and Palm Ave.

38

Cross Sections. "C" or 0.0 readings are Base of rail & running line

E. C W.

Range line Hub. Orange Ave & So line La Jolla.

1.7 / 40.0 88.16	2.7 / 15.0	7.7 / 11.0	6.8 / 0.0 83.96	7.6 / 11.0	4.2 / 15.0	5.1 / 40.0 84.76
2.3 / 40.0 87.56	3.2 / 16.0	8.3 / 11.	7.2 / 0.0 82.66	7.9 / 10.	5.0 / 14.0	5.6 / 40.0 84.26
2.8 / 40.0 87.06	4.3 / 14.0	8.1 / 12.0	7.7 / 0.0 82.16	8.3 / 10.0	5.3 / 13.0	6.4 / 40.0 83.46
3.9 / 40.0 85.96	4.8 / 14.0	8.5 / 10.	8.0 / 0.0 81.86	8.8 / 11.0	6.3 / 13.0	6.5 / 40. 83.06

Telegraph Pole on Palm Ave. 150' No. of So line La Jolla Park.

4.5 / 40.0 85.36	5.5 / 14.0	8.8 / 10.0	8.4 / 0.0 81.46	9.2 / 10.0	6.7 / 13.0	7.5 / 40.0 82.36
5.4 / 40.0 84.46	6.6 / 13.0	9.3 / 10.0	8.9 / 0.0 80.96	9.7 / 10.0	7.5 / 12.0	8.1 / 40.0 81.76
6.6 / 40.0 83.26	7.1 / 12.0	9.5 / 10.0	9.4 / 0.0 80.46	10.1 / 11.0	8.5 / 13.0	9.3 / 40.0 80.56
7.6 / 40.0 82.26	8.8 / 15.0	10.1 / 11.0	9.7 / 0.0 80.16	10.6 / 18.0	9.7 / 20.0	10.4 / 40.0 79.46
8.7 / 40.0 81.16	10.6 / 11.0		10.1 / 0.0 79.76		11.5 / 40.0	78.36
10.2 / 40.0 79.66	11.3 / 20.0		10.7 / 0.0 79.16		12.1 / 40.0	77.76
3.2 / 40.0 78.90			3.3 / 0.0 78.80		4.2 / 40.0	77.50

G. J. Rennie Rod
F. H. Woodworth Chain

May 23rd 1904

Palm ave.

		±	H.I.	Elev.	E			C			W	
5+50			82.10		4.8 / 40.0	77.30		3.8 / 0.0	78.30		5.6 / 40.0	76.50
6					5.2 / 40.0	76.90	5.3 / 12.0	4.2 / 0.0	77.90	6.2 / 12.0	7.4 / 4.0	74.70
+50					5.0 / 40.0	77.10	5.9 / 13.0	4.8 / 0.0	77.30	7.5 / 15.0	8.1 / 40.0	74.00
7					6.0 / 40.0	76.10	6.4 / 10.0	5.2 / 0.0	76.90	8.1 / 13.0	9.0 / 40.0	73.10
Peg.	Quit May 23rd Began " 24th	−5.61 +0.40	76.89	76.49								
+50					1.9 / 40.0	74.99	2.3 / 10.0	0.9 / 5.0	0.4 / 0.0	76.49	0.9 / 6.0	3.7 / 12.0	4.2 / 40.0	72.69
8					2.8 / 40.0	74.09	2.9 / 10.	1.1 / 5.0	0.8 / 0.0	76.09	1.0 / 5.0	4.6 / 15.0	4.9 / 40.0	71.99
+50					3.7 / 40.0	73.19	4.6 / 15.0	1.5 / 5.0	1.2 / 0.0	75.69	1.5 / 5.0	5.1 / 13.0	5.5 / 40.	71.39
9					4.6 / 40.	72.29	5.4 / 14.0	2.0 / 6.0	1.5 / 0.0	75.39	2.4 / 6.0	6.0 / 14.0	6.3 / 40.0	70.59
+50					6.3 / 40.	70.59	6.2 / 13.	2.7 / 7.0	1.8 / 0.0	75.09	2.8 / 7.0	7.2 / 15.	8.0 / 40.0	68.89
10					7.8 / 40.	69.09	8.2 / 16.0	2.7 / 7.0	1.9 / 0.0	74.99	3.0 / 7.0	10.5 / 18.0	11.0 / 40.	65.89
+39.8	N. E. Cor Blk. 13.	−15.41		61.48										
+50.					10.3 / 40.	66.59	10.4 / 19.0	3.5 / 7.0		2.0 / 0.0	74.89	3.1 / 6.0	14.6 / 25.	16.5 / 40.0	60.39
11					17.9 / 40.0	58.99	12.6 / 21.0	6.7 / 11.0	5.7 / 0.0	71.19	6.8 / 9.0	19.1 / 29.0	23.7 / 40.0	53.19
+25					25.6 / 40.0	51.29			29.3 / 0.0	47.59			31.0 / 40.0	45.89
+50					15.0 / 40.	61.89	13.1 / 23.0	2.7 / 6.0	2.1 / 0.0	74.79	2.5 / 6.0	12.3 / 21.0	11.2 / 40.0	65.69
Peg		−2.05 +5.54	80.38	74.84										
12					8.8 / 4.0	71.58	8.4 / 13.0	6.1 / 8.0	5.4 / 0.0	74.98	6.0 / 7.0	8.2 / 12.0	8.2 / 40.0	72.18

		±	H.I.	Elev.
12+50		8	80.38	
13				
+50				
14				
+50				
15				
+50				
Peg. +59.4	So. line Center St. N.W. Cor. Blk. 19.	-4.34 +2.12	78.16	76.04
16				
+50				
17				
+50				
18				
18+50				
19				
+50				
20				

Palm Ave.

E				C				W	
4.9 / 40.	75.48	5.8 / 12.0	6.8 / 10.0	5.2 / 0.0	75.18	6.2 / 14.0		6.5 / 40.	73.88
3.0 / 40.	77.38	4.1 / 12.	6.2 / 10.	5.0 / 0.0	75.38	6.1 / 25.		4.7 / 40.	75.68
2.5 / 40.	77.88	4.0 / 12.	5.8 / 9.0	4.8 / 0.0	75.58	5.4 / 24.		4.5 / 40.0	75.88
2.8 / 40.	77.58	3.9 / 11.	5.6 / 8.0	4.5 / 0.0	75.88	5.0 / 18.		4.4 / 40.0	75.98
3.6 / 40.	76.78	5.4 / 12.0		4.4 / 0.0	75.98	5.6 / 30.		5.6 / 40.	74.78
3.7 / 40.	76.68	5.2 / 12.		4.3 / 0.0	76.08	5.0 / 21.		5.5 / 40.	74.88
4.2 / 40.	76.18	5.2 / 11.0		4.1 / 0.0	76.28	4.9 / 20.		5.2 / 40.	75.18
2.0 / 40.	76.16		2.9 / 12.0	1.5 / 0.0	76.66	2.8 / 23.		3.1 / 40.	75.06
1.8 / 40.	76.36		2.7 / 12.0	1.0 / 0.0	77.16	1.8 / 18.	3.3 / 23.	3.2 / 40.	74.96
1.1 / 40.	77.06		2.2 / 17	0.7 / 0.0	77.46	1.0 / 13.		2.4 / 40.	75.76
1.0 / 40.	77.16	1.0 / 2.0	0.9 / 8.0	1.6 / 0.0	76.56	2.1 / 5.		2.6 / 40.	75.56
1.0 / 40.	77.16	0.6 / 24.	2.3 / 17.	1.3 / 0.0	76.86			3.6 / 40.	74.56

Regular levels.

Rod	Elev.	Rod	Elev.	Rod	Elev.
3.0	75.16	4.5	73.66	6.6	71.56
4.4	73.76	6.7	71.46	8.8	69.36
6.6	71.56	9.2	68.96	12.7	65.47
9.3	68.86	12.9	65.26		

G. J. Rennie Rod
F. H. Woodworth Chain

May 24

	±	H.I.	Elev.
20+50		78.16	
Peg.	-11.79 +0.82	66.69	66.37
20.			
+50			
21			
+50.			
Peg.	-11.90 +2.38	57.12	54.79
22			
N.W. Cor Blk. 17.	-9.04		48.08
22+06.3 Intersect E. Boundary Boulevard.			
S.W. Cor Blk. 35	-3.44		53.68

Palm Ave.

E. Rod	E. Elev.	C. Rod	C. Elev.	W. Rod	W. Elev.
9.0	69.16				
				6.0	60.69
		7.6	64.09	8.0	58.69
1.0	65.67	5.8	60.89	10.6	56.09
7.1	59.59	10.7	55.99	14.1	52.59
2.0	55.12	5.6	51.52	8.2	48.92
		6.2	50.92		

Levels on Olive Ave. Beginning at the East Boundary of Boulevard.

G J Kennie Rod
F H Woodworth Chain

May 24th 1904

		±	H.I.	Elev.
		+0.25 −11.18	84.81	84.56
Peg. S.W. Cor. Blk. 3 Range line Hub. Olive Ave		+1.38 −3.93	75.01	73.63
O. So. line La Jolla Park.				71.08
+50				
1				
+50				
2				
+50				
3				
+50				
Peg. 4	Hub. N.E. Cor. Blk 2	−10.92 +4.20	68.29	64.09
+50				
5				
+50				
6				
+50				

So. line La Jolla Park & running north to Olive Ave.

E.		C		W.	
Rod	Elev.	Rod	Elev.	Rod	Elev.
BM. on Telegraph Pole on Palm Ave. 150' N. of So. line La Jolla					
1.4	73.61	2.8	72.21	4.3	70.71
2.3	72.71	3.9	71.11	5.6	69.41
3.1	71.91	4.8	70.21	7.0	68.01
4.5	70.51	6.1	68.91	8.3	66.71
5.4	69.61	6.8	68.21	8.9	66.11
6.2	68.81	7.6	67.41	9.1	65.91
7.0	68.01	8.3	66.71	9.7	65.31
7.6	67.41	9.0	66.01	10.9	64.11
8.2	66.81	9.5	65.51	10.9	64.11
1.9	66.39	3.2	65.09	4.8	63.49
2.9	65.39	3.9	64.39	5.6	62.69
3.5	64.79	4.5	63.79	5.8	62.49
4.0	64.29	5.0	63.29	6.3	61.99
4.0	64.29	5.1	63.19	6.6	61.69

G. J. Rennie Rod
F. H. Woodworth Chain

May 24th '04

		±	H.I.	Elev.
7			68.29	
+50	N.E. Cor. Blk. 14	-7.00		61.29
8				
+50				
+62				
Peg.	Hub. N.W. Cor Blk. 13	-10.02 +4.16	62.43	58.27
9				
+50				
+75				
10				
+25				
+50				
Peg.		-11.79 +0.31	50.95	50.64
10				
+25				
+50				
+82				
11				
Peg.		-0.31 +12.63	43.27	50.64

Olive Ave.

E C W

Rod	Elev.	Rod	Elev	Rod	Elev.
3.9	64.39	5.1	63.19	6.6	61.69
4.2	64.09	6.3	61.99	7.0	61.29
7.5	60.79	7.6	60.7	7.9	60.39
10.2	58.09	9.8	58.49	12.0	56.29

Cross sections

1.6/40. 60.83 — 4.3/18. — 5.8/10. — 4.3/5. — 4.2/0.0 58.23 — 5.0/15. — 7.4/20. — 10.2/40. 52.23

0.1/40. 62.35 — 1.3/13. — 2.4/9.0 — 3.4/0.0 59.03 — 3.5/4. — 5.9/8.0 — 4.6/16. — 5.8/40. 56.63

0.3/40 62.13 — 3.7/0.0 58.73 — 6.6/24. — 10.5/40 51.93

0.5/40. 61.93 — 5.5/0.0 56.93 — 10.2/18.

2.0/40. 60.43 — 5.0/20. — 9.1/0.0 53.33

3.7/40. 58.73 — 14.0/0.0 48.43

9.5/40. 41.45

15.6/40. 35.35

15.0/29.0 — 3.8/40. 47.15

6.5/40. 54.45 — 13.7/0.0 37.25

12.4/40. 38.55

G.J. Rennie Rod
F.H. Woodworth Chain

May 24th 24

	±	H.I.	Elev.
10+82		63.27	
11			
	-0.16		
Pcg.	+10.24	73.35	63.11
11+25			
+50			
12			
+50			
13			
+49.9 East Boundary Prospect St.			
+50			
Hub. S.W. Cor Blk 18	-3.50		69.85
14			
+31.9 W. Boundary Prospect St.			
+50			
+5			
Pcg.	-4.84		
Hub. S.E. Cor Blk 17.	+0.51	69.02	68.51
15			
+50			
Pcg	-12.08		
	+0.50	57.44	56.94
16			
Pcg.	-12.71		
	+0.19	44.92	44.73

Olive Ave.

E. Rod	E. Elev	C. Rod	C. Elev	W. Rod	W. Elev.
				4.1/4.0	59.17
		7.0/0.0	56.27	0.5/4.0	62.77
	Regular Levels.				
14.9	58.45	10.2	63.15	9.3	64.05
10.3	63.05	7.8	65.55	7.9	65.45
5.0	68.35	5.6	67.75	6.1	67.25
4.2	69.15	5.0	68.35	5.2	68.15
3.4	69.95	3.8	69.55	4.4	68.95
3.2	70.15	3.8	69.55	4.2	69.15
4.2	69.15	4.0	69.35	4.5	68.85
5.5	67.85	5.3	68.05	4.8	68.55
4.7	64.32	4.7	64.82	4.6	64.42
12.6	56.42	13.1	55.92	15.0	54.02
10.7	46.74	11.6	45.84	12.6	44.84

G.J. Rennie Rod
7H Woodworth Chain May 24th 04

	±	H.I.	E.
16+50		44.92	
17			
Peg.	-11.88		
	+1.12	34.16	33.04
+50 Hub. N.W. Cor. Blk. 16	-4.82		29.34
+62.6 Intersect East Boundary Coast St.			
Hub. South West Cor. Blk. 17	-3.08		31.08
Peg.	-12.70		
	-0.02	21.44	21.46
"	-12.24		
	+0.84	10.04	-9.20
"	-7.15		2.89

Olive Ave.

E Rod	E Elev.	C Rod	C Elev.	W Rod	W Elev.
4.0	40.92	5.3	39.62	6.2	38.72
8.9	36.02	10.2		11.1	33.82
1.4	32.76	3.1	31.06	4.8	29.36
		4.0	30.16		

High tide May 24th 1903 P.M.

Levels on Vine St. Beginning on the So. line La Jolla Park running North to the Center of Pearl St. thence west for 80 ft. thence North to the So. Boundary of Ravina St.

G J Rennie Rod
H H Woodworth Chain

May 25th 04

	±	H.I.	Elev.
B.S. Range line Hub olive Ave	+0.18	71.26	71.08
	−11.41		
Peg. Hub S.W. Cor. Blk 2	+1.07	60.92	59.85
0 So. line La Jolla Park			
+50			
1			
+50			
2			
+50			
3			
+50			
3+99.8 So line Pearl St.			
4			
	− 8.95		
Peg.	+1.18	53.15	51.97
+39.8 Center Pearl St.			
+50 " " "			
5 " " "			
+19.8			

So. line La Jolla Park running North for 80 ft. thence North to the

Vine St.

E		C		W.	
Rod	Elev	Rod	Elev	Rod	Elev
1.1	59.82	2.2	58.72	4.0	56.92
1.5	59.42	3.2	57.72	4.4	56.52
2.5	58.42	3.9	57.02	5.0	55.92
4.0	56.92	4.9	56.02	6.0	54.92
4.4	56.52	6.1	54.82	7.2	53.72
4.9	56.02	6.6	54.32	7.7	53.02
6.0	54.92	6.8	54.12	8.2	52.72
6.7	54.22	7.8	53.12	8.8	52.12
9.4	51.52	8.3	52.62	8.9	52.02
		3.2	49.95		
		2.4	50.75		
		2.5	50.65		
		3.1	50.05		

G J Rennie Rod
F H Woodworth Chain

May 25th 04.

	±	H.I.	Elev.
5+50		53.15	
+59.8 No. line Pearl St.			
6			
Peg	-12.41 +2.86	43.60	40.74
+50			
7			
Hub. N.W. Cor Blk. 14	-1.33		42.27
7+03.4 So. line Ravina			
Hub. opposite N. West Cor Blk 14	-6.47		37.13

Vine St.

E Rod	E Elev	C Rod	C Elev.	W Rod	W Elev.
		3.5	49.65		
4.8	48.35	3.6	49.55	4.8	48.35
9.1	44.05	4.7	48.45	5.2	47.95
2.9	40.70	2.2	41.40	3.0	40.60
		4.0	39.60	7.8	35.80
		4.2	39.40		

Levels on Prospect St. Beginning at the North line Ravina St. and running North Easterly to College St.

G.J. Rennie Rod
H.H. Woodworth Chain

May 25th 1904

	±	H.I.	Elev.
		43.60	
Peg from Vine St. levels.	-12.16		31.44
	+0.57	32.01	
Peg	-11.68		20.33
BS.	+5.08	25.41	
O. No. line Ravina St. In Cañon			
Hub. S.W. Cor Blk 15	-8.05		17.36
" S-E " " 16	-6.69		18.72
0+50			
	-0.28		25.13
Peg.	+12.92	38.05	
1.			
+25			
	-3.31		
Peg.	+9.57	44.31	34.74
1+50			
2.			
+50			

Prospect St.

E.	C	W
8.1 / 40.4 — 17.31 — 10.8 / 25.0 — 6.0 / 12.0	8.4 / 0.0 — 17.01 — 12.1 / 15.0 — 12.3 / 27.0 — 6.8 / 33.0	6.7 / 40.4 — 18.71
2.5 / 40. — 22.91 — 0.4 / 30.	3.1 / 0.0 — 22.31 — 5.7 / 21.	4.5 / 40. — 20.91
10.8 / 40. — 27.26 — 9.1 / 35.	12.0 / 0.0 — 26.05	9.9 / 40 — 28.15
7.8 / 40 — 30.25 — 9.8 / 12	9.2 / 0.0 — 24.85	6.1 / 40.0 — 31.95
11.1 / 40 — 43.21 — 12.3 / 30.	7.2 / 0.0 — 37.11	7.6 / 40. — 36.71
7.2 / 40. — 37.11	6.6 / 0.0 — 37.71	6.1 / 40. — 38.21
4.1 / 40 — 40.21	5.8 / 0.0 — 38.51	6.8 / 40. — 37.51

G J Rennie Rod
F H Woodworth Chain.

May 25th 04

		±	H.I.	Elev
2+75			44.31	
3				
Peg.		-0.00 +12.63	56.94	44.31
+50				
4				
+50				
Peg.		-0.80 +12.84	68.98	56.14
4+50				
5				
+50				
6				
+50				
Peg.		-0.46 +7.42	75.94	68.52
7				
+50				
+ 56	West line Olive St.			
8				
+50				

Prospect St.

W. 49

E Rod	E Elev.		C Rod	C Elev.	W Rod	W Elev.
3.1/40	41.21	0.6/10.	1.1/0.0	43.21	3.2/40.	41.11
1.7/40.	42.61	2.5/3.5	0.4/17	1.8/0.0	42.51	3.6/40.	40.71
Rod	Elev.		Rod	Elev	Rod	Elev.
10.0	46.94		12.9	44.04	16.0	40.94
5.0	51.94		8.4	48.54	12.5	44.44
			0.8	56.14	5.4	51.54
10.8	58.18					
7.0	61.98		7.8	61.18	10.1	58.88
4.4	64.58		5.0	63.98	6.4	62.58
2.7	66.28		3.2	65.78	3.9	65.08
1.0	67.98		1.5	67.48	2.0	66.98
7.3	68.64		6.6	69.34	7.9	68.04
6.7	69.24		6.8	69.14	7.5	68.44
6.3	69.64		6.5	69.44	7.0	68.94
5.6	70.34		6.4	69.54	7.2	68.74

G J Rennie Rod May 25th '04
F.H. Woodworth Chain

Prospect St.

	±	H.I.	Elev.	E Rod	E Elev.	C Rod	C Elev.	W Rod	W Elev.
Hub West Cor Blk	5.99	75.94	69.85						
9				5.2	70.74	5.6	70.34	7.2	68.74
+50				4.3	71.64	4.7	71.24	6.5	69.44
10				3.8	72.14	4.2	71.74	5.4	70.54
+50				3.3	72.64	3.8	72.14	4.7	71.24
11				2.9	73.04	3.6	72.34	4.4	71.54
+50				2.5	73.44	2.5	73.44	3.7	72.24
12				2.2	73.74	2.3	73.64	3.0	72.94
Peg.	-2.92 +7.53	80.55	73.02						
+50				6.1	74.45	6.3	74.25	6.6	73.95
13				5.3	75.25	5.6	74.95	6.5	74.05
+50				4.4	76.15	5.0	75.55	6.6	73.95
14				4.0	76.55	4.9	75.65	7.0	73.55
+50				2.3/40. 50/28.	78.25	5.3	75.25	8.2	72.35
B.M. Spike Telegraph Pole	-3.82		76.72	Near No. West Cor Blk 33					
15				78.2 23/40 76.55 2.8/32. 77.8 5.3/26.		75.3 5.9/0.0	74.65	8.7/40.	71.85
+50				4.2/40. 76.35 2.8/35 1.6/30. 79.0 2.4/22. 5.9/13.		6.7/0.0	73.85	8.7/40.	71.85
Hub N. W. Cor Blk 19	-4.44		76.11						

S.J. Runnin Rod
F.H. Woodworth Chain

May 25th 04

	±	H.I.	Elev.
16		80.55	
+50			
17			
Peg.	−2.86 +8.34	86.03	77.69
+50			
18			
+50			
19 +10.3 Solano Conn. St.			
+50			
20.			
Hub. S.W. Cor. Blk. 36.	−1.88		84.15
+50			
21			
+50			
Peg.	−1.22 +4.80	89.61	84.81
22			
+50			

Prospect St.

E C W

77.15 75.95 72.65

3.4/40 3.8/25. 2.2/17. 11/12 2.2/5. 4.6/0.0 6.2/4. 7.9/40.

2.6/40. 77.95 3.3/8.0 2.6/4. 1.0/0.0 0.7/3. 1.5/10. 5.7/19. 6.4/40. 74.15

1.3/40 79.25 3.0/0.0 77.55 1.5/7. 0.3/13. 1.0/21. 2.9/26. 3.3/40. 77.25

5.3/40 80.73 6.2/0.0 79.82 4.4/15. 5.4/20 6.4/28 7.4/31. 7.4/40 78.63

3.7/40 82.33 4.9/0.0 81.13 5.5/19 5.0/25. 6.6/40. 79.43

2.9/40. 83.13 4.0/0.0 82.03 4.4/9 5.0/16. 4.4/24 5.2/29 5.7/40. 80.73

2.5/40. 83.53 4.0/2.0 4.8/00 81.23 4.6/6.0 4.1/11 5.1/17 5.5/40. 80.53

2.5/40 83.53 3.0/24. 4.1/20 4.0/13. 3.5/8.0 4.4/0.0 81.63 5.0/40. 81.03

2.3/40. 83.78 2.6/35 3.7/32 3.6/25 3.1/20 3.7/16. 3.8/0.0 82.23 5.0/40 81.03

2.1/40 83.93 3.0/32 2.4/26 3.2/19 3.7/13. 3.2/0.0 82.83 4.4/40 81.63

1.4/40. 84.63 2.7/32. 1.8/26 2.8/20. 2.6/0.0 83.48 3.9/40 82.13

0.9/40 85.13 2.2/22 1.3/20. 2.3/14 2.3/7.0 2.0/0.0 84.03 3.2/40 82.83

3.7/40 85.91 5.2/18. 5.4/13 4.7/8.0 5.5/2.0 5.5/0.0 84.11 6.6/40 83.01

2.7/40 86.91 84.71 3.6/12. 5.3/2.0 4.9/0.0 4.5/3.0 5.2/9.0 6.4/40 83.21

G. J. Rennie Rod
F. H. Woodworth Chain

May 25th '04

Prospect St.

		±	H.I.	Elev.	E		C		W.	
23			89.61		2.2/40.	87.41	85.41 4.2/0.0 4.7/40 4.1/10. 4.9/14.0		5.4/40	84.21
+50					1.8/40.	87.81	85.71 3.9/0.0 4.1/9. 3.7/15 4.6/21.		6.0/40.	83.61
24					1.8/40.	87.81	86.31 3.3/0.0 4.1/3.0 4.2/12 3.4/17 4.3/22		6.5/40.	83.11
+50					2.1/40.	87.51	86.31 3.3/0.0 4.2/5. 3.9/12 3.2/18 3.8/23 4.0/32		5.8/40.	83.81
Hub N.E. Cor Blk. 36		−2.23		87.38						
25					2.2/40.	87.41	85.71 3.9/0.0 2.8/15. 3.3/23.		5.8/40.	83.81
+46.5 Cross E. line Washington Ave.										
Peg	Quit May 25	−4.87		84.74						
	Began May 26th	+8.08	92.82							
+50					5.4/40	87.42	85.92 6.9/0.0 6.4/4. 5.6/10. 6.4/15. 7.7/20		7.7/40.	85.12
26					5.4/40.	87.42	6.4/12 5.8/6. 5.2/0.0 87.62 5.9/5. 6.8/8.0		7.4/40	85.42
+50					4.9/40	87.92	5.4/13 4.6/8. 5.3/2. 5.9/0.0 86.92 6.5/2		6.7/40	86.12
27					4.1/40.	88.72	4.8/17 3.9/12. 4.7/6. 5.8/0.0 87.02 5.4/3.		6.3/40.	86.52
+50					3.7/40	89.12	4.2/20. 3.4/14. 4.6/7 5.0/0.0 87.82		5.6/40.	87.22
28					2.5/40	90.32	2.6/23 3.7/19 2.9/14 3.7/8. 4.1/0.0 88.72		4.8/40.	88.02
+50					2.1/40.	90.72	2.2/22 3.0/20. 2.5/15 3.2/9 2.8/0.0 90.02		4.4/40	88.42
29					1.7/40	91.12	1.7/25 2.6/20 1.8/15 2.8/9 2.8/0.0 90.02		4.3/40	88.52
+50					1.1/40	91.72	2.0/17 1.3/12 2.1/6 2.8/0.0 90.02		4.6/40	88.22
30					1.1/40	91.72	1.8/9 1.0/3. 1.1/0.0 91.72 1.8/3. 3.7/13		5.4/40	87.42
Peg.	on N.W. Cor Blk. 38	−0.81 +5.24	97.25	92.01						

G. J. Rennie Rod
F. H. Woodworth Chain.

May 26th '04

Prospect St

	±	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev.
30+50 30+81.4 East line N.Y. Ave.		97.25		4.5/40	92.75.		6.3/0.0 90.95 5.7/6. 5.0/11 5.8/17.	9.5/40	87.75
31				3.8/40.	93.45		5.1/0.0 92.15. 5.1/19. 4.6/24 4.9/28.	6.7/40	90.55
+50				2.7/40	94.55		4.3/00 92.95 4.9/20 4.1/25	5.4/40	91.85
32				2.3/45	94.95		4.2/0.0 93.05 4.3/4 3.7/9 4.3/14	6.2/45	91.05
+50				2.5/50	94.75	3.3/30. 3.0/23. 3.5/18. 4.3/00 92.95		6.6/50	90.65
33				2.6/50	94.65		4.9/0.0 92.35	7.1/50	90.15
+50				3.2/50	94.05		4.8/0.0 92.45	6.6/50	90.65
34				3.3/50	93.95		4.7/00 92.55	6.3/50	90.95
Peg. N.E. Cor Blk 38	-3.31 +3.16	97.10	93.94						
+50 +55 W. Side Grand Ave.				3.0/50.	94.10		4.1/0.0 93.00	5.4/50	91.70
35				2.2/50	94.90		3.2/00 93.90	4.5/50	92.60
+50				1.4/50	95.70		2.7/0.0 94.40	3.6/50.	93.50
36				1.2/50 95.90	1.2/34 2.3/33.5		2.7/0.0 94.40	3.5/50	93.60
+50				1.4/50 95.70	1.6/35.5 3.3/35 3.7/19	5.0/15	6.1/00 91.00	5.7/50	91.40
37				0.8/50. 96.30	1.1/37 3.1/36.5 4.1/19	5.8/16	8.5/00 88.60 11.8/23.	12.4/50.	86.70
+25				0.4/50 97.70	0.6/37.5 2.7/37 3.5/20	5.3/16	8.4/00 88.70 14.0/30	15.1/50	82.00
+50				0.0/50 97.10	0.0/37 2.2/36.5 2.5/19	4.6/16	6.7/00 90.40	16.6/50	80.50
38						0.8/20 2.0/17	4.8/00 92.30.	13.0/50	84.10

G J Rennie Rod
~~F~~ Hwoodworth Chain

May 26 '04

Prospect St.

	±	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev.
Peg.	−0.67 +6.73	97.10 103.16	96.43						
38				4.9/50 98.26	4.9/26.5 6.3/36.				
+50				3.4/40 99.76	3.5/28. 5.0/27.5	5.8/00	97.36	10.2/40.	92.96
39				2.2/40 100.96		3.9/00	99.26	6.5/40	96.66
+50				0.5/40. 102.66		2.4/00	100.76	4.6/40	98.56
+85.3 E. line Lincoln St.									
Peg. Hub N.W. Cor Blk. 53	−0.18 +4.87	107.85	102.98						
40				4.0	103.85	5.4	102.45	7.2	100.65
+50				3.2	104.65	4.2	103.65	6.1	101.75
41				2.6	105.25	3.5	104.35	4.8	103.05
+50				2.0	105.85	3.2	104.65	4.3	103.55
42				1.8	106.05	3.0	104.85	4.6	103.25
+50				1.8	106.05	3.0	104.85	4.4	103.45
43									
+02.7 W line Garfield Av.				1.4	106.45	3.0	104.85	4.7	103.15
+50				1.6	106.05	3.4	104.45	4.9	102.95
Peg. N.W. Cor. Blk. 52	−1.68 +5.07	111.24	106.17						
44				5.0	106.24	6.9	104.34	8.5	102.74
+50				5.3	105.94	6.7	104.54	8.0	103.24
45				5.2	106.04	6.5	104.74	7.7	103.54

G J Rennie Rod
F H Woodworth Chain

May 26th '04

Prospect St.

		±	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev.
45+50			111.24		4.9	106.34	6.1	105.14	7.6	103.64
46					4.5	106.74	5.6	105.64	6.9	104.34
+50					3.7	107.54	4.7	106.54	5.9	105.34
47					3.4	107.84	3.9	107.34	4.8	106.44
+50					2.8	108.44	3.1	108.14	3.7	107.54
48					2.6	108.64	2.4	108.84	3.4	107.84
+50					1.2	110.04	1.5	109.74	2.4	108.84
Peg		-0.73 +3.72	114.23	110.51						
49					3.3	110.93	3.8	110.43	7.4	106.83
+50					2.5/40 111.73	3.1/15	3.8	110.43	8.7	105.53
50					1.7/40 112.53	2.3/16	3.6/00 110.63	7.3/31	9.2/40	105.03
+50 +81.5 W. Side Cave St.					0.6/40 113.63	1.2/20	2.5/00 111.73	4.8/22.0	9.8	104.43
+75					0.3/40 113.93	1.0/20	2.7/00 111.53	5.2/19	9.4/40	104.83
51					0.4/40 113.83	0.8/25	3.4/00 110.83		11.8/40	102.43
+25					0.4/40 113.83	0.9/26	5.2/00	109.03	15.0/40	99.23
+50					0.7/40 113.53	1.4/25	4.0/17	7.8/00 106.43	14.6/17	11.0/40 103.23 103.2
+65					0.6/40 113.63	1.3/21	7.1/10	8.3/00 105.93	6.8/40	107.43
Hub. So. W. Cor Blk 48		-6.79		107.44						
" N.E " " 52		-0.67		113.56						

G J Rennie Rod
F H Woodworth Chain.

May 26 '04

Prospect St.

		±	H.I.	Elev.	E Rod	E Elev.	C Rod	C Elev.	VY Rod	VY Elev.
52			114.23		+0.1 / 40	114.13	0.6 / 0.0	113.63	3.0 / 40	113.93
Peg	Iron Pin Sta (18) "B" Line	−0.60 +10.72	124.35	113.63						
+10					8.8 / 40	116.55	9.4 / 0.0	114.95	11.0 / 40	114.35
+50					7.4	116.95	7.6	116.75	8.6	115.75
53					5.8	118.55	6.2	118.15	6.3	118.05
+50					4.5	119.85	4.8	119.55	4.9	119.45
54					3.5	120.85	3.5	120.85	3.3	121.05
+50					2.0	122.35	1.9	122.45	2.0	122.35
55					0.0	124.35	0.1	124.25	0.1	124.25
Peg.		−0.17 +9.10	133.28	124.18						
+50					7.0	126.28	6.6	126.68	6.8	126.48
56					3.7	129.58	3.7	129.58	3.9	129.38
+50					0.6	132.68	0.8	132.48	1.3	131.98
Peg		−0.64 +7.12	139.76	132.64						
57					4.0	135.76	4.4	135.36	5.3	134.46
+50					2.0	137.76	2.8	136.96	4.9	134.86
58					1.4	138.36	4.0	135.76	6.5	133.26
+50					3.0	136.76	7.6	132.16	10.4	129.37

+60.3' West line Beach Row.

G.J. Rennie Road
7" Woodworth chain

May 26th 04

	±	H.I.	Elev.
	−10.06	139.76	
Peg.	+3.84	133.54	129.70
58+75			
59			
Hub. S.E. Cor. Blk. 48	− 6.73		126.81
	−11.71		
Peg.	+5.69	127.52	121.83
+25			
+50			
+62			
+75			
+83 E line Beach Row.			
60 Quit May 26th 04.			
Began May 27			
B.S. from SE Cor Blk 48	+12.23	139.04	126.81
+50			
	− 0.43		
Peg	+12.87	151.48	138.61
61			
+50			
62			
+225 W. side State St.			
	−2.23		
Peg. Hub S.E. Cor. Blk 46.	+12.72	161.97	149.25
+50			

Prospect St.

E Rod	E Elev.	C Rod	C Elev.	W Rod	W Elev.
0.3	130.54	3.8	129.74	6.7	126.84
104/40	123.14 114/20	98/00	123.74	6.7	126.84
0.8/40	126.72 146/8.	10.6/00	116.92	64/20 0.7/40	126.82
0.8/40	126.72	12.4/00	115.12	20.3/12 16.5/40	111.02
0.8/40	126.72	8.9/0.0	118.62	25.1/40	102.42
0.8/40	126.72	5.4/0.0	122.12	16.5/40.	111.02
0.8/40	126.72	0.5/0.0	127.02	5.1/40	122.42
4.1	135.94	3.2	135.84	5.8	133.24
9.5	141.98	9.6	141.88	11.5	139.98
4.7	146.78	4.9	146.58	7.7	143.78
1.1	150.38	1.5	149.98	4.0	147.48
8.2	153.77	9.0	152.97	10.9	151.07

G J Rennie Rod
F H Woodworth Chain.

May 27th 04

63		161.97	
Hub. N.E. Cor Blk. 44	-4.68		157.29
+50			
Pcg.	-.043 +12.84	174.38	161.54
64			
+50			
Pcg	-.035 +12.13	186.16	174.03
65			
+50			
Pcg	-.142 +8.76	193.50	184.74
66			
+03.3 E. line College St.			

Prospect St.

E Rod	E Elev	C Rod	C Elev	Rod	Elev.
5.2	156.77	6.8	155.17	8.0	153.97
1.8	160.17	2.0	159.97	3.8	158.17
8.7	165.68	12.1	162.28	13.1	161.28
4.0	170.38	5.3	169.08	6.6	168.78
8.3	177.86	11.1	175.06	11.8	174.36
1.7	184.46	2.8	183.36	3.8	182.36
3.6	189.90	6.0	187.50	6.1	187.40
3.69 Hub. N.E. Cor B. 44	189.81	5.8	187.70	6.00 Hub S.E Co Blk. 45	

Levels on State St. Beginning at the point where the Center line of State St. intersects the east line of Grand Ave + running North.

G J Rennie Rod May 27 '04

F H Woodworth Chain

	±	H.I.	Elev.	E Rod	E Elev.	C Rod	C Elev	W Rod	W Elev
B.S. N.E. Cor Blk 8	+ 6.87	100.55	93.68						
Hub opposite N.E. Cor Blk 8	− 4.45		96.10						
0				4.5	96.05	6.2	94.35	9.0	91.55
+50				4.4	96.15	6.8	93.75	9.4	91.15
1				5.4	95.15	6.9	93.65 94/26	8.1/40	92.45
+50				5.6/40	94.95	5.5/0.0	95.05 5.5/4 8.4/10	3.0/40	97.55
+75				6.2/40	94.35 6.0/13	4.6/10 4.6/0.0	95.95 4.5/15	0.6/40	99.95
2				3.5/40	97.05	3.4/40	97.15	+0.2/40	100.75
Peg.	− 0.07 + 11.86	112.34	100.48						
+50				9.7	102.64	10.7	101.64	10.8	101.54
3				7.0	105.34	7.4	104.94	8.2	104.14
+50				5.4	106.94	4.8	107.54	5.5	106.84
Hub S.E. Cor Blk. 23	− 4.17		108.17						
4				4.5	107.84	3.9	108.44	3.8	108.54
+50				3.5	108.84	2.6	109.74	2.6	109.74
5				2.7	109.64	1.9	110.44	1.5	110.84

G J Rennie Rod
F H Woodworth Chain

May 27th 04

State St.

	±	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev	W. Rod	W. Elev.
5+50		112.34		1.0	111.34	0.7	111.64	0.6	111.74
Peg.	−0.52 +12.60	124.42	111.82						
6				11.3	113.12	10.8	113.62	10.9	113.52
+50				9.6	114.82	8.4	116.02	9.0	115.42
7				7.5	116.92	6.1	118.32	6.4	118.02
+23.9 So. line High St. Hub. N.W. Cor Blk. 25	−6.42		118.00						
+50				5.2	119.22	3.9	120.52	4.2	120.22
8				2.3	122.12	1.7	122.72	1.7	122.72
Peg.	−0.07 +12.41	136.76	124.35						
+50				11.0	125.76	10.5	126.26	11.1	125.66
9				6.3	130.46	6.1	130.66	7.0	129.76
Hub. S.(W.E.) Cor Blk. 27	−4.44		132.32						
+50				1.7	135.06	2.3	134.46	2.7	134.06
Peg	−0.10 +12.26	148.92	136.66						
10				11.1	137.82	10.6	138.32	11.3	137.62
+50				8.0	140.92	7.3	141.62	7.7	141.22
11				3.7	145.22	4.2	144.72	5.9	143.02
+50				1.0	147.92	1.7	147.22	3.6	145.32

G.J. Remin Rod
T.H. Woodworth Chain

May 27 '21

	±	H.I.	Elev.
	- 0.68	148.92	
Peg (M) S.E. Cor. Blk 27	+ 12.42	160.66	148.24
12			
+50			
13			
+50			
+83.8 N. line Magnolia Place (East)			
14			
+50			
15			
+50			
16			
+50			
17			
	- 0.48		
Peg	+ 7.91	168.09	160.18
+50			
18			
+50			

State St.

E. Rod	E. Elev.	C. Rod	C. Elev.	W. Rod	W. Elev.
11.1	149.56	11.1	149.56	13.2	147.46
10.0	150.66	10.1	150.56	12.3	148.36
8.5	152.16	9.5	151.16	11.4	149.26
7.4	153.26	8.4	152.26	9.6	151.06
6.6	154.06	7.7	153.46	8.8	151.86
5.9	154.76	6.4	154.36	6.9	153.76
4.6	156.06	5.0	155.66	6.6	154.06
3.7	156.96	3.9	156.76	5.7	154.76
2.3	158.36	3.3	157.36	4.6	156.06
1.8	158.86	2.1	158.56	3.4	157.26
(+0.1)	160.76	1.3	159.36	2.2	158.46
6.9	161.19	7.7	160.39	9.1	158.99
5.3	162.79	6.9	161.19	8.5	159.59
3.3	164.79	5.0	163.09	6.6	161.49

G. J. Rumin Rod
F H Woodworth Chain

May 27th '04

State St.

	±	H.I.	Elev	E. Rod	E. Elev.	C Rod	C Elev.	W Rod	W Elev.
Hub. N. E. Cor. Blk. 42	-5.48	168.09	162.61						
18+83.4 S. line Exchange Place (East)									
19				1.5	166.6	2.5	165.6	4.6	163.5
+50				0.3	167.8	2.0	166.1	3.8	164.3
20				1.1	167.0	3.3	164.8	5.1	163.6
+50				2.3	165.8	5.1	163.0	7.3	160.8
21				3.7	164.4	5.8	162.3	9.1	159.0
+50				4.4	163.7	7.1	161.0	10.2	157.9
22				5.7	162.4	8.8	159.3	11.1	157.0
Peg	-7.47 +1.74	162.36	160.62						
+50				1.7	160.66	4.1	158.26	6.8	155.56
23				2.9	159.46	5.4	156.96	8.5	153.86
+50				2.2	160.16	5.4	156.96	8.3	154.06
24				3.2	159.16	5.0	157.36	8.3	154.06
+50				3.8	158.56	7.0	155.36	9.8	152.56
N. E. Cor. Blk 44	-5.14		157.22						
25				6.7	155.66	8.4	153.96	11.0	151.36
+43.1 N. Side Prospect St.									
+50				8.4	153.96	10.0	152.36	13.7	148.66

G J Rennie Rod
+ H Woodwort Chain

May 27

State St

	±	H.I.	Elev	E Rod	E Elev.	C Rod	C Elev.	W Rod	W Elev.
Peg. S.W. Cor. Blk. 45	-8.40 +0.39	162.36 154.35	153.96						
26				2.3	152.05	4.4	149.95	7.5	146.85
+25				3.1/40	151.25	7.5/0.0	146.85	9.2/40	145.15
+50				5.1/40	149.25 8.2/2.3	9.8/0.0	144.55	14.7/40	139.65
Peg	-12.51 +0.16	142.00	141.84						
27				3.7/40	138.30	6.4/0.0	135.60	12.0/40	130.00
+50				9.4/40	132.60				
Peg.	-12.34 +0.14	129.80	129.66						
27+50						6.2/0.0	123.60	9.4/40	120.40
28				4.7/40	125.10	14.6/0.0	115.20		
+50				11.4/40	118.40				
Peg.	-12.40 +1.04	118.44	117.40						
28								10.3/40	108.14
+50						8.3/0.0	110.14		
29				4.9/40	113.54	12.3/0.0	106.14		
+50				7.3/40	111.14				
30				6.0/40	112.44				
+50				1.5/40	116.94				

G.J. Rennie Rod
J.H. Woodworth Chain

May 27th 04

State St.

W.64

	±	H.I.	Elev.	E Rod	E Elev.	C Rod	C Elev.	W Rod	W Elev.
Bey.	-12.66	118.44	105.78						
	+3.65	109.43							
28+50								2.8/40	101.63
29								9.1/40	100.33
+50						6.1/0.0	103.33	11.4/40	98.03
30						3.7/0.0	105.73	9.1/40.0	100.32
+50								2.7/40	106.73
Bey	-0.16								
	+11.98	121.25	109.27						
30+50						10.5/0.0	110.45		
31						3.0/0.0	118.25	6.3/40	114.95
Bey.	-0.14								
	+12.87	133.98	121.11						
31									
+28.3	cross line between the N.E. Cor Blk 46 & the N.W. Cor. Lot 19 Blk 45								
+50				9.0/40.	124.98				
	33			0.5/40.	133.48	7.1/0.0	126.88	12.9/40	121.08
	Quit May 27th '04	-5.99							
Bey	Begun 28th	+8.23	136.22						
+75				0.6/40.	135.62	8.0/0.0	128.22/25.		
32				1.0/40	135.22	10.8/0.0	125.42		
+25				11.8/40	124.82				
Bey.	-12.92								
	+0.35	123.65	123.30						
31+75								6.9/29 8.5/40	115.2

G J Rennie Rod
F H Woodworth Chain

May 28th 04

State St.

		±	H.I.	Elev	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
32			123.65					9.5/14 11.2/22.0	10.8/32.0	12.5/40 111.15
Peg		-12.42 +0.44	111.67	111.23						
32+25						1.5/13.	2.8/0.0	~~120.65~~ 108.9	3.4/9.0	9.1/40 102.6
+50					4.2/40 5.6/16.	119.45 7.0/15 12.5/14	11.1/0.0	~~42.55~~ 100.6 12.5/14		9.1/40 102.6
+75						0.9/31. 3.6/14.	9.1/0.0	~~114.55~~ 102.6		12.3/40 99.4
33						1.8/13	2.3/0.0	~~121.35~~ 109.4 3.1/8.0 5.3/16.		
+25								1.8/1.0 1.1/15		
+50										14.6/40. 97.1
+75										7.1/40 104.56
Peg		-12.62 +2.33	101.38	99.05						
32+75								9.5/18.		
33									0.0/18.	14.6/40. 86.8
+25										6.9/40 94.5
B.S.		+10.95	122.18	111.23						
33+25						5.2/3.0	8.5/0.0	113.68	11.7/15	
+50						4.2/5.0	6.9/0.0	116.29 9.8/7.0	10.7/15	
+75							6.0/0.0	116.18 9.4/11 10.3/23.		
34					0.1/40.	122.08	7.4/0.0	114.78	8.7/12 10.3/16. 10.8/28.	/40

G J Rennie Rod. May 28th '04
F H Woodworth Chain

State St.

						E Rod	E Elev		C Rod	C Elev		Rod	Elev		
34+50				122.18		5.4/40	116.8 7.2/25	11.2/9	12.2/0.0	109.98					
Peg			-0.20 +10.80	132.78	121.98										
32+75						7.3/40	125.48 10.7/34								
33.						1.4/40	131.38 9.1/23								
+25						0.4/40	132.38								
+50						3.6/40	129.2								
+75						6.9/40	125.8								
B.S.			+2.06	113.29	111.23										
34														7.5/40	105.79
+50														8.2/40	104.09
35						2.9/40	110.29		9.2/0.0	104.09			12.2/16.	11.1/40	102.19
+50						6.4/40	106.85		11.1/0.0	102.19					
36 Peg	Quit May 28th Began " 30th		-12.25 +1.67	102.71	101.04	8.2/40	105.01								
35+50												5.0/21		5.5/40	97.21
36									3.7/0.0	99.01	6.2/14.	8.3/20	8.7/30	11.1/40	91.61
+25						+0.3/40 103.02	2.3/9.0		4.7/00	98.01	8.1/90	10.7/15.	11.1/25	15.4/40	87.31
+50						1.7/40	101.01		8.8/00	93.91	12.7/10	12.2/11.	12.5/20		
37						5.1/40.	97.61		13.0/00	89.71					

G J Rennie Rod May 30th '04 State St. W. 67

F H Woodworth Chain

	±	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev.	W Rod	W Elev
37+50		102.71		3.9/40.	98.81			~~3.9/40~~	~~98.81~~
+75				5.4/40.	97.31			~~10.5/24.~~ ~~12.0/21~~ ~~5.4/40~~	~~97.31~~
Peg.	-12.55 +0.53	90.69	90.16						
36+50								5.0/40	85.69
37							2.0/13.	5.8/40	84.89
+50						+0.1/40 0.4/0.0	90.29. 0.1/14.	3.3/40	87.39
+75						2.1/19 2.8/9. 2.0/0.0	88.69	10.2/40.	80.49
38				0.0/40 90.7 4.7/36 5.0/25		7.8/15 10.2/0.0	80.49		
Peg	-6.18 +2.90	87.41	84.51						
38								15.3/40.	72.11
+25				3.5/40 83.9 7.8/3.4		8.9/19. 13.8/0.0	73.61	15.9/40	71.51
+50				10.0/40 77.4 10.4/38.		12.5/18 10.7/0.0	76.71	6.2/40	81.21
+75				6.9/40 80.5 8.7/37 9.8/27 9.0/17		9.9/9. 7.7/0.0	79.71 3.5/12 1.9/30.		
39				2.2/40 85.2 1.6/24 6.4/2.		9.4/0.0	78.01 1.7/7.0		
Peg.	-1.64 +9.56	95.33	85.77						
38+75								6.4/40	88.93
39								2.8/40	82.53
+25				0.4/40 94.9 7.2/33.		6.2/11. 13.5/0.0	81.83 15.1/6.0	3.5/30. 2.2/40	93.13

G J Rennie Rod
F H Woodworth Chain

May 30th '04

State St.

		±	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
39+50			95.33			3.5/26.	3.2/13	10.0/00	85.33 14.0/5.	3.2/26.	2.2/40. 93.13
+75						1.6/23.	0.9/7.0	4.7/4.	5.3/0.0	90.03 11.9/14	6.7/25. 1.3/27	0.4/40. 94.93
40							0.0/11.	4.2/0.0	91.13 9.9/20			
Peg.		−0.37 +12.86	107.82	94.96								
39+50					11.6/40.	96.22						
+75					10.1/40	97.72						
40					6.5/40.	101.32 11.8/22.0					12.1/26	11.3/40 96.52
+15					5.3/40.	102.52	11.1/17.	11.7/00	96.12			10.5/40 97.32
+50					1.8/40	106.02	9.7/4.	10.0/0.0	97.82			9.2/40 98.62
41						2.3/15	4.5/13.	5.5/0.0	102.32			5.6/40 102.22
+25							2.0/19	2.6/0.0	105.22	3.0/20		5.4/40 102.42
+50					1.4/40	106.42 2.3/15		5.0/0.0	102.82	12.9/24.		15.3/40 92.52
+70					1.0/40.	106.82	2.5/20.	9.4/0.0	98.42 4.4/20.			10.5/40. 97.32
42												6.6/40 101.22
Peg.		−0.88 +11.53	118.47	106.94								
42					5.8/40	102.02 8.6/33.	8.9/5.	10.1/0.0	97.72			
+25							5.5/8	6.1/00	101.72 4.3/22			9.2/40 98.62
+59.5	E. line La Jolla Park.								2.5/13.	2.9/25	1.0/32	4.2/40 114.27

G J Rennie Rod May 30th 04
F H Woodworth Chain

State St.

		±	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
Pey.		-0.07 +12.95	118.47 131.35	118.40						
42+25					68/40	124.55				
+59.5					06/40	130.75				
Hub.	on E. line La Park.	-0.60		130.75						
Iron Pin	" " " " " & Center of State St.	-12.25		119.10						
B.M.	No. Gate Post on La Jolla Road.	-11.79		119.56	119.54 Check					

Levels on Pearl St. Beginning on the west line of Grand Ave and running west.

G J Rennie Rod
F H Woodworth Chain

	±	H.I.	Elev.
B.S. From N.E. Cor Blk. 7	+0.82	115.20	114.38
0 West line Grand Ave			
+50			
1			
+50			
2			
+50			
3			
+50			
+79.9 W. Side N.Y. Ave.			
Range line Hub. N.E. Cor Blk 6	-5.67		109.53
4			
+50.			
Pey	-8.75 +0.66	107.11	106.45
5			
+50			
6			

Pearl St.

N. Rod	N. Elev.	C Rod	C Elev.	S. Rod	S. Elev.
3.7	111.5	2.3	112.9	0.8	114.4
3.5	111.7	2.8	112.4	1.3	113.9
93/40	105.9 70/14	36/8 34/0.0	111.8 34/6 56/12	36/40	111.6
4.6	110.6	3.4	111.8	2.8	112.4
5.5	109.7	4.2	111.0	2.6	112.6
6.7	108.5	5.2	110.0	3.7	111.5
7.0	108.2	5.0	110.2	3.5	111.7
7.4	107.8	5.5	109.7	4.3	110.9
8.2	107.0	6.8	108.4	5.3	109.9
9.7	105.5	8.1	107.1	7.4	107.8
3.0	104.1	1.6	105.5	0.7	106.4
4.5	102.6	3.0	104.1	1.9	105.2
5.5	101.6	4.1	103.0	2.5	104.6

GJ Rennie Rod
Ft. Woodworth Chain

May 30th '04

		±	H.I.	Elev
+50			107.11	
7				
+50				
+59.8	W. side Wash. Ave.			
Hub.	N. E. Cor Blk 5	-6.90		100.21
8				
+50				
9				
+50				
Peg.		-12.88		
		+0.99	95.22	94.23
10				
+50				
11				
11+39.8	W. side Orange Ave			
Hub.	N. E. Cor Blk 12	-5.16		
+50				90.06
12				
+50				
Peg.		-10.17		
		+1.12	86.17	85.05
13				
+50				

Pearl St.

71

N		C		S	
Rod	Elev.	Rod	Elev	Rod	Elev
6.4	100.7	5.2	101.9	3.5	103.6
8.3	98.8	6.5	100.6	5.4	101.7
9.1	98.0	7.4	99.7	6.4	100.7
10.0	97.1	8.4	98.7	7.6	99.5
10.9	96.2	9.7	97.4	8.7	98.4
12.4	94.7	11.1	96.0	10.3	96.8
13.1	94.0	12.5	94.6	12.0	95.1
3.4	91.8	2.1	93.1	1.3	93.9
4.8	90.4	3.7	91.5	2.4	92.8
6.1	89.1	5.2	90.0	4.5	90.7
8.1	87.1	6.9	88.3	6.2	89.0
9.2	86.0	8.2	87.0	7.6	87.6
10.9	84.3	9.6	85.6	9.0	86.2
2.9	83.3	1.9	84.3	1.1	85.1
4.1	82.1	3.3	82.9	2.3	83.9

G J Rennie Rod
F H Woodworth Chain

	±	H.I.	Elev.
14		86.17	
+50			
15			
+50			
16			
Peg	-12.60 +0.06	73.63	73.57
+50			
17			
+50			
18			
+50			
+99.5 W. Side Olive ave.			
19			
Hub. N.E. Cor. Blk 2	-9.49		64.14
Peg	-11.60 +0.04	62.07	62.03
+50			
20			
+50			
21			

Pearl St.

N. Rod	N. Elev	C Rod	C Elev	S Rod	S Elev.
5.8	80.4	5.0	81.2	4.2	82.0
7.5	78.7	6.4	79.8	5.7	80.5
7.3/12		7.5	78.7	7.2	79.0
10.4	75.8	9.0	77.2	9.0	77.2
11.9	74.3	11.0	75.2	10.7	75.5
1.4	72.2	0.6	73.0	0.1	73.5
3.7	69.9	2.7	70.9	2.7	70.9
5.5	68.1	4.9	68.7	4.2	69.4
7.3	67.3	6.2	67.4	6.1	67.5
9.0	64.6	8.3	65.3	8.0	65.6
10.4	63.2	10.3	63.3	9.5	63.1
1.0	61.1	0.6	61.5	0.1	62.0
2.3	59.8	1.8	60.3	1.9	60.2
4.1	58.0	3.8	58.3	3.4	58.7
5.7	56.4	7.0	55.1	7.4	54.7

G J Rennie Rod
F H Woodworth Chain

May 30th

	±	H.I.	Elev.
Peg.	-11.73 +3.61	62.07 53.95	50.34
21+50			
+75			
22			
+50			
+79.6 W. Side Vine St.			
23			
+50			
+59.6 " " " " End of Pearl St.			
Check on N.W. Cor Blk 14 -11.66			(42.27 ck) 42.29

N. Rod	N. Elev	C Rod	C Elev	S Rod	S Elev.
2.7	51.3	4.3	49.7	3.6	50.4
5.4	48.6	6.5	47.5	3.3	50.7
8.2	45.8	6.6	47.4	2.8	51.2
7.5	46.5	3.1	50.9	1.5	52.5
4.6	49.4	3.4	50.6	2.6	51.4
5.3	48.7	4.8	49.2	4.4	49.6
5.6	48.4	4.9	49.1	4.7	49.3

Levels on Ravina St. Beginning at the west line of Grand avenue & running west to the Ocean

G J Rennie Rod
F H Woodworth Chain June 1st 04

Ravina St.

	±	H.I.	Elev	S Rod	S Elev	C Rod	C Elev	N Rod	N Elev.
Hub N.E. Cor Blk 8	+0.35	94.03	93.68						
O. West Side Grand Ave.				1.4	92.63	2.1	91.93	3.7	90.33
+50				2.6	91.43	3.0	91.03	4.9	89.13
1				5.1/40	88.93	5.6/0.0	88.43/11	7.6/25	7.5/40 86.53
+25				8.1/40	85.93	8.1/0.0	85.93 8.2/14	4.0/40	90.03
+50				9.1/40	84.93/38	5.2/17	3.7/0.0 90.33	1.6/40	92.43
+75				9.3/40	84.73	4.8/0.0	89.23	2.5/40	91.53
2				6.1/40	87.93 6.4/38	12.2/18	6.4/0.0 87.63	2.8/40	91.23
+50				7.2/40	86.83	10.9/3.	13.1/0.0	80.93 12.4/4. 11.7/6	5.9/24 4.9/40 89.13
3				6.4/40	85.63	10.9/0.0	83.13 14.3/16	6.2/34 5.7/40	88.33
Peg.	−7.80 +1.83	88.06	86.23						
+50				1.7/40	86.36	5.7/0.0	82.36 9.2/7. 6.7/14	2.2/40	85.86
+75				1.2/40	86.86	3.6/7 6.7/0.0	81.36 10.7/6	8.4/9 5.5/19 3.8/40	84.26
Hub. N.E. Cor Blk. 9	−1.17		86.89	1					
4				1.4/40	86.66	3.4/0.0	84.66 11.3/15. 8.0/19	5.1/34. 5.0/40	83.06
+04.1 W. Side N.Y. Ave.									

G.J. Remin Rod — June 1st
F.H. Woodworth Chain

	±	H.I.	Elev.
4+25		88.02	
+50			
5			
+25			
+50			
6			
Peg.	− 7.38 + 1.54	82.22	80.68
+50			
7			
+50			
+99.8 W. line Washington Ave.			
8			
Hub. N.E. Cor Blk 11	− 7.26		74.96
+50			
9			
Peg	− 6.94 + 0.81	76.09	75.28
+50			
+75			
10			

Ravina St.

S — C — N 75

Rod	Elev	Rod	Elev	Rod	Elev.
2.1/40	85.96	3.0/00	85.06	4.7/25	12.1/40 75.96
2.7/40	85.36	6.0/0.0	85.06		6.1/40 78.96 70°C
3.9/40	84.16	6.2/0.0	81.86 10.2/22.	13.1/37.	11.0/40 +75 65°C 77.06
4.5/40	93.56	6.3/12 9.2/0.0	78.86 14.3/8.	10.7/14	4.4/00 93.66
6.5/40	81.56 8.5/16.	14.4/4. 11.6/0.0	76.46 4.1/33		3.1/40 84.96
8.1/40	79.96 12.3/13.	15.5/7. 11.1/0.0	76.96	5.7/16	2.9/40 85.16
1.5/40	80.72 3.9/12	10.4/0.0	71.82 6		0.3/40 81.92
3.4/40	78.82 3.3/33	5.9/0.0	76.22 7.2/9 11.1/14.	7.2/27	3.8/40 78.42
6.2/40	76.02 5.8/24 7.5/13	11.8/5 10.5/0.0	76.72 7		2.6/40 79.62
7.1/40	75.12 7.7/18	10.2/10 72.22 12.0/0.0	70.22 8.6/10.		7.2/40 75.02
6.0/40	76.22	7.5/0.0	74.72 8.5/7.	13.7/24. 9.8/34	9.0/40 72.22
6.5/40	75.72	8.3/0.0	73.92		+75 48°C. 10.9/40 60°C. 73.22
0.8/40	75.29	3.5/0.0	72.59 44/21	10.4/35.	8.1/40 67.99
2.3/40	73.79	5.5/0.0	70.59		7.0/40 (50°C) 69.09
3.4/40	72.69	8.7/10 12.0/00	64.09		10.1/40 65.99

G J Rennie Rod
F H Woodworth Chain

June 1st 04

	±	H.I.	Elev.
10+50		76.09	
11			
+25			
+50			
Peg Hub N.E. Cor Blk 12 11+92 W. side Orange Ave.	-6.11 +0.31	70.29	69.98
12			
+50			
Peg	-8.06 +0.61	69.84	62.23
13			
+50			
+75			
14			
Peg	-1.53 +8.35	69.66	61.31
13			
+50			
+75			
14			
+25			

Ravina St.

S Rod	S Elev.	C Rod	C Elev.	N. Rod	N. Elev.
6.1/40.	69.99	13.0/21. 8.7/11.	7.5/0.0 68.59	6.2/40.	69.89
4.6/40	71.49 6.2/30.	14.2/16. 10.6/9	9.9/0.0 66.19	11.0/40.	65.09
4.8/40	71.29 5.8/28. 12.6/22.	14.0/15.	11.4/0.0 64.69 15.8/14. 11.3/19	9.4/40.	66.69 (90'C)
4.5/40.	71.59		7.3/0.0 68.79	10.7/40	65.39
0.3/40	75.79		6.4/0.0 69.69 10.1/26	15.0/35 12.4/40	63.69
1.9/40	74.19	3.0/14	5.9/0.0 70.19 12.2/8.	15.6/22 6.4/40	69.69
			0.6/0.0 62.24 3.3/18	9.3/35 3.7/40	59.14
			4.9/0.0 57.94	9.1/27. 9.3/40	53.64 (50'C)
			9.1/0.0 53.74	10.6/6. 9.6/40	53.24
			7.4/0.0 55.44 10.7/6	4.9/40	57.94
5.7/40	63.96				
7.1/40	62.66				
1.2/40	68.46 4.8/26.				
0.3/40 0.0/40	69.36 3.5/20 69.86 /9		7.1/0.0 62.56	17.5/40	52.16

G J Rennie Rod June 1st 04
F H Woodworth Chain

Ravina St. N 77

		±	H.I.	Elev.	S Rod	S Elev.	C Rod	C Elev	Rod	Elev
14+50			69.66		0.0/40	69.66	3.1/0.0	63.56	9.8/40	59.86
15					2.6/40	67.06	6.4/0.0	63.26	13.1/34 15.7/40	53.97 (47 C)
+50					3.0/40	66.66	6.2/0.0	63.46	10.0/33.	—
Peg		−3.02 +9.52	76.16	66.64						
+65	Along Crown of Dummy line.				2.1/40	74.06	2.3/0.0	73.86 2.3/8. 5.4/10	4.6/21. 16.0/31 28.9/40	47.26
+75	" " " " "				2.6/40	73.56	2.2/0.0	73.96 5.6/10.	5.3/21. 15.8/33. 29.0/40	47.16
Peg		−11.84 +1.43	65.75	64.32						
16					3.8/40	61.95	7.5/00	58.25 9.0/16		
+6.3 Hub.	W. Side Palm Ave. N.E. Cor. Blk 13.	−4.29		61.46						
+50					2.8/40	62.95	11.0/00	54.75		
17					3.0/40	62.75 5.2/20	10.2/00	55.55 2.8/8		
+50					4.7/40	61.05 7.4/[illegible]	13.1/0.0	52.65		
18					1.8/40	63.95	5.6/0.0	60.15 13.0/26.		
Peg.		−12.65 +3.82	56.92	53.10						
16									9.9/31. 10.2/40	46.72
+50									10.9/20 10.5/35 4.2/40	52.72
17									13.0/20. 13.8/28 12.9/32 2.0/40	54.92
+50									16.2/21. 14.0/31. 2.8/40	54.12

G.J. Rumsey Rod
T.H. Woodworth chain June 12th 04

	±	H.I.	Elev
18		56.92	
Peg.	-3.82 +11.40	64.50	53.10
+50			
19			
+50			
20			
+50			
+89.3 W. Side Olive Ave.			
21			
Peg. Mon. N.E. Cor. BLK. 14	-3.23 +1.01	62.28	61.27
+50			
22			
+50			
23			
+50			
24			
Peg.	-12.56 +0.33	50.05	49.72
+50			
25			
Mon. N.W. Cor. BLK 14	-7.80		42.25

Ravina St

S C N. 78

Rod	Elev	Rod	Elev		Rod	Elev
					17.0/40	39.92
0.7/40	63.8	4.1/0.0	60.40	6.3/20	10.8/40	53.70
0.4/40	64.1	3.7/0.0	61.3	7.2/25	10.3/40	54.20
2.2/40	62.30	3.8/0.0	60.70	5.7/22	7.2/24 8.1/28 7.0/40	57.50
6.3/40	58.20	8.0/8.	6.6/5. 6.4/0.0	58.1	7.3/24 9.4/30 9.6/40	54.90
5.5/40	59.00	5.9/10	58.6 7.8/0.0	56.7	10.6/25	13.4/40 51.10
2.4/40	62.1		4.2/0.0	60.3		8.3/40 56.2
1.4/40	60.58		1.8	60.48		4.6/40 57.68
2.3	59.98		3.1	59.18		4.8 57.48
3.7	59.08		3.5	58.78		5.2 57.08
4.6	57.68		5.9	56.38		6.3 55.98
6.6	55.68		9.7	52.58		10.0 52.28
12.2	50.08		13.6	48.68		14.3 47.98
5.4/40	44.65	4.2/0.0	45.65	6.2/21	11.7/40	38.35 Wash.
7.2/40	42.85	5.0/0.0	45.25	5.5/17	13.3/40	36.75

G. J. Rennie Rod June 2nd '04

F. Hurdworth Chain

Ravina St.

		±	H.I.	Elev.	S Rod	S Elev	C Rod	C Elev	N Rod	N Elev
Peg.	Quit June 1st	− 7.80	50.05							
	Began " 2nd	+ 0.41	42.66	42.25						
25+30.7	E. Side Vine St.									
25+50					2.1/40	40.56	0.1/0.0	42.56 0.6/22.	3.0/34 6.9/40	35.76
26					5.5/40	37.16	2.9/0.0	39.76 7.2/18		
+50					7.4/40	35.26	4.0/00	39.66 4.8/8.	7.0/15.	
+75					8.5/40	34.16	4.5/7 4.9/0.0	37.76 7.7/5		
27					10.1/40	32.56	6.9/15 9.9/0.0	32.76		
Peg.		−12.96 +1.78	31.48	29.70						
Peg.		−12.78 +6.22	24.92	18.70						
26									3.8/31 7.6/40	17.32
+50									11.5/35 10.9/40	14.02
+75									5.3/28 6.1/40	18.82 C 50
27									6.6/25 6.6/40.	18.32 C 75
+50								7.6/18	8.0/40	16.92 C. 95
Peg		−0.52 +7.88	32.28	24.40						
27+50					5.6/40	26.68	2.5/15 6.0/00	26.28		
+75					9.1/40	23.18 7.7/26	12.5/0.0	19.78	15.1/40	17.18 C 80
Peg.		−12.93 +1.40	20.75	19.35						
28					2.4/40	18.35 2.1/23	4.8/0.0	15.95	5.2/40	15.55 C 70

G.J. Rummi Rod
T.H. Woodworth Chain

June 2nd '04

	±	H.I.	Elev.
28+50		20.75	
+75			
29			
+50			
Peg	−11.92 +7.87	16.70	8.83
+75			
30			
+50			
+70 High Side			
B.M. Spike S.W. Cor. Park.	−10.68		6.02
Peg.	−0.09		16.61

Ravina St.

S — C — N

80

Rod	Elev	Rod	Elev.	Rod	Elev.
7.0/40	13.75	6.8/0.0	13.95	7.4/40	13.35 C 50
7.8/40	12.95	12.2 Ch. 8.55 11.9/20		7.4/40	13.35
8.4/40 12.35	13.0/24 11.9/10. 9.5/80	8.6/0.0	12.15	3.5/40	17.25
4.8/40	15.95	8.8/0.0	11.95 10.8/18 14.2/25	10.5/40	10.25
				7.7/39	10.5/40
0.5/40	16.2	5.5/0.0	11.15	7.2/29	10.5/40 6.2 (45C
0.7/40	16.0	7.1/0.0	9.6 7.7/17		11.4/40 5.3
7.5/40 9.2	12.3/31 12.4/16	9.1/0.0	7.6 4.1/12		0.7/40 16.0
11.7/40	5.0 13.1/25	11.7/0.0	5.0		9.5/40 7.2

Levels on Coast St. Beginning at a point on line S.E. of the S-E. Cor. lot 16. Block 16 & running North between the S-E. Cor Ravina St. Park & a point 20 ft. for 283.5 ft. to where levels are taken on the Boulevard.

See note Page 3 Level Book No 2

Width of St. 76 ft.

Coast St.

G.J. Rennie Rod
Ft. Woolworth Chain

June 2nd '04

	±	H.I.	Elev.
B.S. from Peg.	+4.52	21.13	16.61
0			
+25			
	−1.42		
Peg	+9.87	29.[illegible]	19.71
+50			
1			
+50			
2			

+33.5 Cross Cross-Section of 2+50 Boulevard Levels.

Coast St. levels Contnd. on next Page

E. Rod	Elev		C Rod	Elev		W. Rod	Elev.
5.0 / 38	5.1 / 32	10.2 / 28.	11.4 / 00			11.5 / 28	8.4 / 38
4.0 / 38	0.0 / 22.		3.1 / 00	0.0 / 7.			1.3 / 38
7.5 / 38.		14 / 21	2.1 / 0.0			6.2 / 26	5.2 / 38
3.6 / 38			5.8 / 0.0				7.4 / 38
5.4 / 38			6.6 / 0.0				7.8 / 38
3.6 / 38			5.1 / 0.0				7.1 / 38

Levels on Coast St. Beginning at a point on line between the S-E. Cor. Ravina St. Park & a point 20 ft. S-E. of the S-E. Cor. Lot 16. Block 16 & running North for 283.5 ft. to where levels are taken on the Boulevard.

See note Page 3 Level Book No 2

Width of St. 76 ft.

Coast St.

G.J. Rennie Rod — June 2nd '04

7 ft. Woolworth Chain

	±	H.I.	Elev.
B.S. from Peg.	+4.52	21.13	16.61
0			
+25			
Peg	−1.42 +9.87	29.	19.71
+50			
1.			
+50			
2			

+33.5 Cross Section of 2+50 Boulevard Levels.

Coast St. levels Contnd. on next page

E. Rod	Elev	C Rod	Elev	W. Rod	Elev.
5.0 / 38	5.7 / 32	10.2 / 28.	11.4 / 00	11.5 / 28	8.4 / 38
4.0 / 38	0.0 / 22.		3.1 / 00	0.0 / 7.	1.3 / 38
7.5 / 38.		14 / 21	2.1 / 0.0	6.2 / 26	5.2 / 38
9.6 / 38			5.8 / 0.0		7.4 / 38
5.4 / 38			6.6 / 0.0		7.8 / 38
8.6 / 38			5.1 / 0.0		7.1 / 38

Coast St. levels Cont. from Page 81
O = a point opp. So. Cor. BLK. 34 at right angles to "C" line.
G.J. Rennie Rod
T.H. Woodworth Chain

June 3rd 04

	+	H.I.	Elev.
B.S. So Cor BLK 34	+12.96	32.86	19.90
O. = Sta. 8+78.3 Boulevard Line.			
+50			
1			
+50 Hub. N.W. Co. Cor BLK 16	-3.50		29.36
2			
+50			
Peg	-5.70 +12.20	39.36	27.16
3			
+50			
4			
+50			
5			
+50			
6			
+50			
Peg	-7.14 +12.24	44.46	32.22

Coast St.

E — C — W.

82

Rod	Elev.	Rod	Elev.	Rod	Elev.
8.3	24.6	10.4	22.5	13.0	19.9
6.8	26.1	9.3	23.6	12.2	20.7
6.1	26.8	8.1	24.8	9.8	23.1
4.5	28.4	6.3	26.6	8.7	24.2
2.6	30.3	5.4	27.5	7.5	25.4
1.8	31.1	4.1	28.8	7.1	25.8
7.5	31.9	9.1	30.3	12.2	27.2
6.5	32.9	9.3	30.1	11.7	27.7
5.3	34.1	7.8	31.6	10.0	29.4
4.1	35.3	6.8	32.6	8.9	30.5
3.4	36.0	6.4	33.0	8.2	31.2
2.9	36.5	5.8	33.6	8.2	31.2
2.0	37.4	5.2	34.2	7.9	31.5
1.8	37.6	4.9	34.5	7.2	32.2

G J Rennie Rod June 3rd '04
7 H Woodworth Chain

Coast St.

		±	H.I.	Elev	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
7			44.46		6.9	37.6	10.0	34.5	12.4	32.1
7+47.9 opp. N. Cor Blk 34 = Sta. 17+10.5 Boulevard Line										
+50					7.4	37.1	10.1	34.4	12.5	32.0
8					7.1	37.4	9.7	34.8	11.8	32.7
+50					5.6	38.9	8.5	36.0	10.8	33.7
9	Peg	-2.45		(42.02 CK) 42.01	4.1	40.4	6.5	38.0	9.4	35.1

Coast St. Levels = Sta. 23 + one ft. East of Boulevard line

		±	H.I.	Elev	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
B.S. from I.P.		+4.90	56.96	52.06						
0 = Sta					0.2/40	56.8	5.4/0.0	51.6	10.2/40	46.8
+50	Peg	-11.31 +2.28	47.93	45.65	5.4/40	51.6	10.5/0.0	46.5		
+50									5.0/40	42.9
1					0.3/40	47.6	4.5/0.0	43.4	8.6/40	39.3
+50 +84.1 opp. S. Cor Blk 56 + at R.A to "C" line.					1.5/40	46.4	6.2/0.0	41.7	10.0/40	37.9
2					2.1/40	45.8	7.0/0.0	40.9	10.6/40	37.3
+50					2.8/40	45.1	7.0/0.0	40.9	9.5/40	38.4
3					2.5/40	45.4	6.1/0.0	41.8	9.4/40	38.5
Peg Hub. N.W. Cor Blk 35		-2.13 +0.93	46.73	45.80						
3+50					1.4/40	45.3	4.7/0.0	42.0	8.2/40	38.5
4					1.7/40	45.0	5.0/0.0	41.7	8.0/40	38.7

G.J. Runnin Rod

		±	H.I.	E
4+50			46.73	
5				
+50				
6				
+50				
7				
Peg		-3.42 +2.55	45.86	43.31
+50				
8				
+50				
9				
+50				
Peg		-5.34 +11.54	52.06	40.52
10				
+50				
+90.0	Intersection Center Coast St. + So. line Franklin Place			
Hub. N.E. Cor Blk	56	-9.03		43.03
" N.W. " "	55	-1.22		50.84

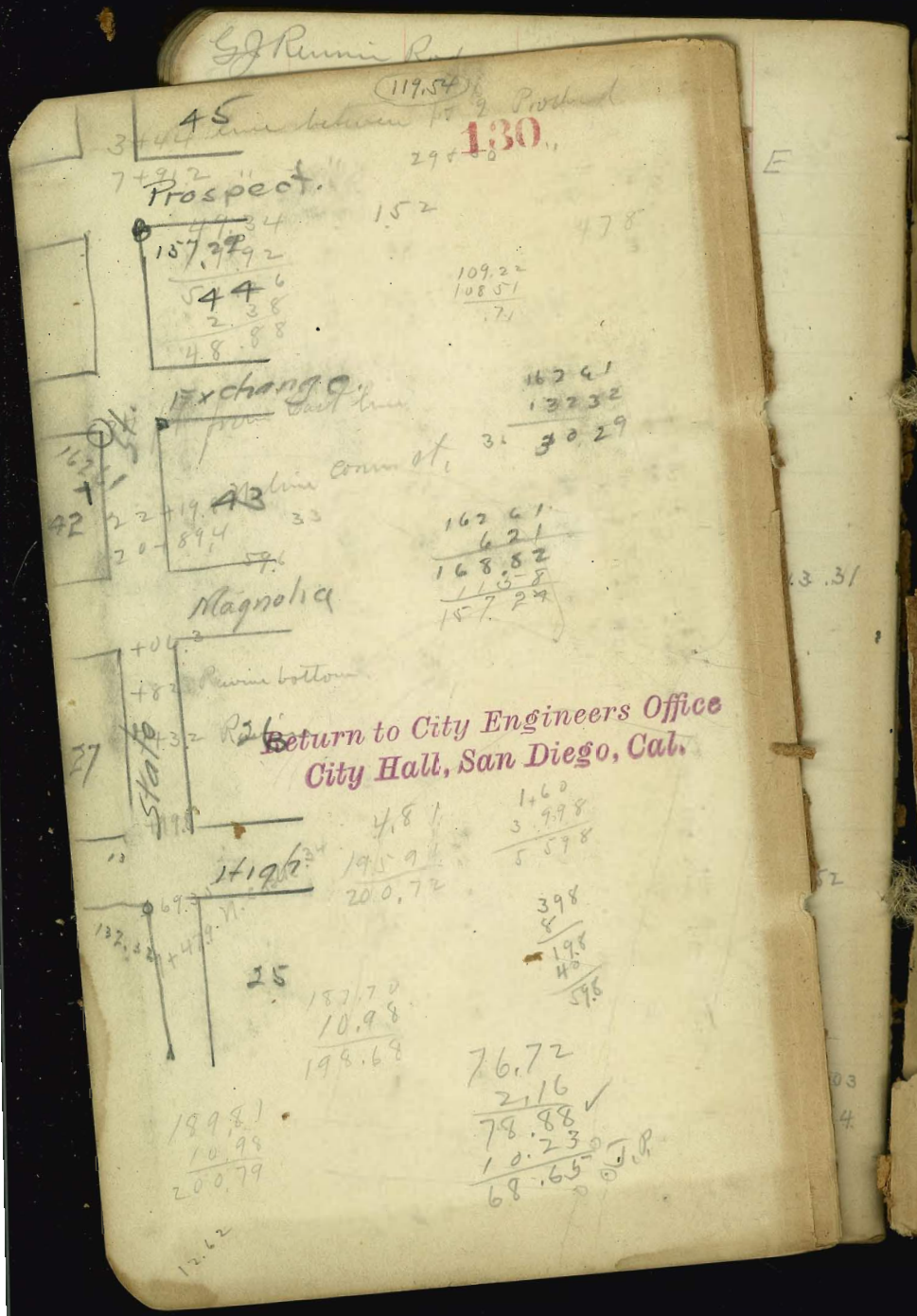
Coast St.

W 84

E Rod	E Elev.	C Rod	C Elev.	Rod	Elev.
1.7/40	45.5	4.9/0.0	41.8	7.8/40	38.9
1.9/40	44.8	5.2/0.0	41.5	8.2/40	38.5
2.4/40	44.3	6.0/0.0	40.7	8.7/40	38.0
2.9/40	43.8	6.6/0.0	40.1	9.6/40	37.1
3.8/40	42.9	7.3/0.0	39.4	10.2/40	36.5
4.0/40	42.7	7.6/0.0	39.1	10.2/40	36.5
2.7/40	43.2	6.7/0.0	39.2	9.9/40	36.0
2.6/40	43.3	6.6/0.0	39.3	9.6/40	36.3
2.2/40	43.7	6.1/0.0	39.8	9.2/40	36.7
2.1/40	43.8	5.5/0.0	40.4	8.4/40	37.5
1.8/40	44.1	4.6/0.0	41.3	7.2/40	38.7
6.0/40	46.1	8.9/0.0	43.2	11.5/40	40.6
4.1/40	48.0	7.2/0.0	44.9	9.9/40	42.14
		5.3/0.0			

Spike Telegraph Pole Gr. T Conn. 108.51

Plug So. La Salle Park Gr. av. 130.43



TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

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

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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