Level Notes.

La Jolla Park.

Book No. 2

129

F.B. 129

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

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

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
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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

129

Levels. La Jolla Park.

Book No 2.

Book No. 129

name.

date.

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B.M. 30.05 Sp. in Tel. pole about 100' South of Bath house.

Levels on Boulevard. Beginning on line between the S-E & S-W. Corners of the Park. (Ravina St) produced & running North to Grand Ave.

Where Coast St. runs into the Boulevard levels are taken out to the block line on the east until the full width of Coast St. is obtained.

G J Rennie Rod
F H Woodworth Chain June 2nd '04

	I	H.I.	Elev	E. Rod	E. Elev		C Rod	C Elev		W. Rod	W. Elev
B.S. from Peg.	+6.87	23.48	16.61								
0.				17.5/40	5.98	6.6/12	6.7/6	9.3/00	14.18	18.6/40	4.88
+50				5.2/40	18.28			7.2/0.0	16.28	12.1/32	15.7/40	7.78
1				3.8/40	19.64			5.3/0.0	18.18 5.7/8		13.1/40	10.38
+50				2.5/√0.0	20.98			4.0/0.0	19.48 4.6/12		13.4/40	10.08
2				1.0/40	22.48			4.0/00	19.48		5.0/40	18.48
Peg	−5.45 +9.18	27.21	18.03								
+50				2.9/104.5	24.31	10.7/40	16.51	12.7/0.0	14.51			
3				7.1/83.0	20.11	9.6/40	17.6	13.6/0.0	13.61			
+50				11.0/68	16.21	12.0/40	15.2	13.3/00	13.91			
Peg.	−11.73 +4.31	19.79	15.48								
2+50										9.2/40	10.59
3										8.8/40	10.99
+50										7.1/40	12.69

G J Rennie Rod
7 H Woodworth Chain

June 2nd 04

Boulevard.

	±	H.I.	Elev	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev.
4		19.79		6.1 / 5.5 13.69 7.1 / 40		8.1 / 27 10.8 / 5. 9.3 / 0.0	10.49	9.4 / 18. 13.3 / 40	6.49
+50				6.0 / 46 13.79 6.6 / 40		7.9 / 0.0	11.89	8.9 / 40	10.89
5				3.7 / 40.2 16.09 3.7 / 40		5.4 / 0.0	14.59	5.4 / 40	14.39
+50				2.5 / 40 17.29		4.7 / 0.0	15.09	9.8 / 40	9.89
6				8.9 / 40 10.89		10.6 / 0.0	9.19	12.8 / 40	6.99
Rey	-3.08 +6.49	23.20	16.71						
+25				4.3 / 40 18.90		6.4 / 0.0 16.80	6.6 / 8.	16.0 / 40	7.20
+50				4.5 / 40 18.70		6.2 / 7 7.4 / 0.0	15.80	15.1 / 40	8.10
7				2.9 / 52. 20.30 3.7 / 40		5.2 / 0.0 18.08	5.5 / 7	11.2 / 40	12.00
+50				7.9 / 66. 20.30 3.7 / 40		5.0 / 0.0 18.20	5.6 / 16.	10.3 / 40	12.90
8				1.8 / 92 21.40 3.3 / 40.		5.4 / 0.0 17.80	6.3 / 27	8.7 / 40	14.50
+50				+0.2 / 115 23.0 3.3 / 40		5.5 / 0.0 17.70	5.9 / 15	12.7 / 40	10.50
Rey. So. Cor. Blk. 34 8+78.3 offset. S. Cor Blk 34 R.A. to Line C	-3.30 +3.61	23.51	19.90						
9				4.6 / 40 18.91		6.5 / 0.0 17.01		7.3 / 40	16.21
+50				3.2 / 40 20.31		5.2 / 0.0 18.31		6.4 / 40	17.11
10				2.2 / 40 21.31		3.4 / 0.0 20.11		6.2 / 40	17.31
+50				2.0 / 40 21.51		3.9 / 0.0 19.61		6.5 / 40	17.00
11				2.5 / 40 21.01		4.2 / 0.0 19.31		6.0 / 40	17.51

G J Rennie Rod
F H Woodworth Chain

June 2nd 04

Boulevard

		±	H.I.	Elev.	E Rod	E Elev.	C Rod	C Elev.	W Rod	W Elev.
11+50			23.51		2.3/40	21.21	4.2/0.0	19.31	5.9/40	17.61
12					2.4/40.	21.11	4.3/0.0	19.21	5.8/40	17.71
+50					2.4/40	21.11	3.9/0.0	19.61	5.6/3.0. 11.3/40	12.21
13					2.2/40	21.31	3.9/0.0	19.61	5.2/33 6.9/40	16.61
Peg		-1.81 +5.66	27.36	21.70						
+50					5.7/40.	21.66	7.4/0.0	19.96	8.8/40	1856
14					4.4/40	2296	6.3/0.0	21.06	8.1/40	19.26
+50					3.6/40	23.76	5.1/0.0	22.26	6.8/40	20.56
15					2.6/40	24.76	4.2/0.0	23.16	5.9/3.7 7.7/40	19.66
+50					1.7/40	25.66	2.7/0.0	24.66	4.0/24 8.3/35	19.06
16					0.0/40	27.36	1.2/0.0	26.16	4.4/40	22.96
Peg.	Quit June 2nd Began " 3rd	-1.81 +9.98	35.53	25.55						
+50					6.5/40	29.03	7.8/0.0	27.73	9.1/34 11.2/40	24.33
17					4.5/40	31.03	6.2/0.0	29.33	7.6/40	27.93
+10.5	Opp. N. Cor. Blk 34 R.A. to Line C.									
+50					2.0/40	33.53	4.0/0.0	31.53	5.1/40	30.43
Peg		-1.50 +10.45	44.48	34.03						
18					8.6/40	35.88	10.4/0.0	34.08	12.0/40	32.48
+50					6.0/40	38.48	8.1/0.0	36.38	10.7/40	33.78

G J Rennie Rod
F H Woodworth Chain

June 3rd '04

Boulevard.

						E		C		W			
			±	H.I.	Elev.	Rod	Elev	Rod	Elev	Rod		Elev.	
19				44.48		3.1/44 3.4/40	41.08	5.8/0.0	38.68		7.9/40	36.58	
+50						1.1/40	43.38	3.4/0.0	41.08		5.6/32	7.0/40	37.48
Peg			−2.46 +10.92	52.94	42.02								
20						6.4/40	46.54	8.9/0.0	44.04		10.7/27	14.7/40	38.24
+50						3.0/40	49.94	6.2/0.0	46.74		8.4/40		44.54
21								3.0/0.0	49.94	5.1/24	15.0/40		37.94
+50								0.0/0.0	52.94	3.6/36	7.2/40		45.74
22											2.7/40		50.24
+50											3.7/40		49.24
23											6.0/40		46.94
Peg.			−0.88 +12.42	64.48	52.06								
Hub S.W. Cor Blk 35			−10.80		53.68 53.68								
21						10.8/40	53.68						
+50						7.2/40	57.28						
22						3.1/40	61.38	8.9/0.0	55.58				
+25						1.5/40	62.98	8.5/0.0	55.98				
+50						3.0/40	61.48	8.4/0.0	56.08				
23						7.4/40	57.08	13.1/0.0	51.38				

G J Rennie Rod
F H Woodworth Chain

June 3rd 04

Boulevard

		±	H.I.	Elev.	E. Rod	E. Elev.	C Rod	C Elev.	W. Rod	W. Elev.
Peg.		−12.42 +0.44	64.48 52.50	52.06						
23+50					2.7/40	49.80	6.2/0.0	46.30	9.3/35 15.2/40	37.30
24					7.9/40	44.60	10.7/0.0	41.80	12.9/40	39.60
Peg.		−12.90 +1.09	40.69	39.60						
+50					0.0/40	4069	2.7/0.0	37.99	4.3/40	36.39
Hub. S. Cor. Blk 56		−2.42		38.27						
25					3.0/40	37.69	4.8/0.0	35.89	7.2/40	33.49
+05.8 opp. S. Cor. Blk. 56 at RA to Line "C"										
+50					4.8/40	35.89	7.0/0.0	33.69	8.5/40	32.19
26					5.3/40	35.39	7.4/0.0	33.29	9.3/40	31.39
+50					6.3/40	34.39	8.2/0.0	32.49	9.6/40	31.09
Peg.	Quit June 3rd Began " 4th	−8.21 +1.12	33.60	32.48						
27					1.0/40	32.60	2.4/0.0	3120	3.7/40	29.90
+50					2.8/40	30.80	4.0/0.0	29.60	4.8/40	28.80
28					4.3/0.0	29.30	5.8/0.0	27.80	6.6/40	27.00
+50					5.8/0.0	27.80	6.5/0.0	27.10	7.7/40	25.90
29					7.1/0.0	26.50	7.8/0.0	25.80	8.7/37 11.1/40	22.50
+50					7.7/0.0	25.90	9.0/0.0	24.60	8.8/19 18.2/40	15.40
30					8.1/40	25.50	9.4/0.0	24.20	10.3/40	23.30
Peg.		−8.06 +3.03	28.57	25.54						

G J Rennie Rod
F H Woodworth Chain

June 4th 04

Boulevard.

8

		I	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
			28.57							
30+50					3.1/40	25.47	3.8/0.0	24.77	5.4/40	23.17
31					2.9/40	25.67	4.2/0.0	24.37	5.8/40	22.77
+50					3.5/40	25.07	5.0/0.0	23.57 6.1/22	15.7/40	12.87 Small wash.
32					4.3/40	24.27	6.3/0.0	22.27	7.1/40	21.47
+50					5.2/40	23.37	6.4/0.0	22.17	7.5/40	21.07
Hub N.W. Cor Blk 56		-5.19		23.38						
Iron Pin Sta. 8+50 "J" Line		-8.26		20.31						
32+41.9 Cross line between N.W. Cor. Blk 56 + Sta. 8+50 "J" Line										
33					4.0/40	24.57	4.4/0.0	24.17	6.1/40	22.47
+50					2.6/40	25.97	3.3/0.0	25.27	4.4/40	24.17
34					1.2/40	27.37	1.8/0.0	26.77	2.8/40	25.77
Peg		-1.69 +10.34	37.22	26.88						
+50					8.6/40	28.62	9.1/0.0	28.12	10.3/40	26.92
35					6.9/40	30.32	7.6/0.0	29.62 8.0/15	12.1/37	25.12 wash.
+13 Equals ~~approx~~ a point opp. 11+45 "J" Line + is the point where levels on Frankly Pl. are run to. Also the point where curve on West side Block 57 is continued to.										
35+50					5.0/40	32.22	6.0/0.0	31.22	8.0/40	29.22
36					3.5/40	33.72	5.3/0.0	31.92 5.9/18	12.1/40	25.12 wash
+50					2.4/40	34.82	4.6/0.0	32.62 5.6/20	11.2/32	26.62 wash

G.J. Rennie Rod
H.Wordsworth Chain June 4th 04

Boulevard.

				E Rod	E Elev.	C Rod	C Elev.	W Rod	W Elev.
Hub. S.W. Cor. Blk. 57	-2.60		34.62						
37		37.22		2.1/40	35.12	4.2/0.0	33.02	5.6/33.	29.0
+50				2.0/40	35.00	4.1/0.0	33.12		6.2/40 31.02
38				2.1/40	35.12	4.2/0.0	33.02 5.6/26		8.7/40 28.52
+50				2.2/40	35.02	4.2/0.0	33.02	5.9/32.	28.7
Pcy	-2.08 +2.37	37.51	35.14						
39				2.2/40	35.31	4.3/00	33.21	5.6/30	31.91
+50				1.8/40	35.71	4.0/0.0	33.51	6.0/36	31.51
40				1.0/40	36.51	3.3/0.0	34.21	5.3/34.	32.21
+50						2.7/0.0	34.81	4.5/38	33.01
Pcy.	-0.44 +3.37	40.44	37.07						
40+50				2.6/40	37.84				
41				1.8/40	38.64	4.6/0.0	35.84	6.5/20	11.3/40 29.14 Weak
+50				2.0/40	3844	4.6/0.0	35.84		7.5/40 32.94
Hub. S.W. Cor. ~~Coast~~ Ocean H.	-1.91		38.53						
42				2.4/40	38.04	5.5/0.0	34.94		8.0/40 3244.
+50				3.0/40	37.44	5.9/0.0	34.54		8.1/0.0 32.34
43				2.9/40	37.54	5.5/0.0	31.94		8.2/0.0 32.24
+50				2.1	38.34	4.4/0.0	36.04		6.4/40 34.04
44				0.6/40	39.84	2.7/00	37.74		4.7/40 35.74

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

June 4th '09

	±	H.I.	Elev.
	−3.17	40.44	
Pey	+11.78	49.05	37.27
44+50			
45			
+50			
46			
+50			
+84.3 Westside Gr. Ave.			
Hub. N. Cor. Blk 57	−0.08		49.0 = CK 48.97
" S. E. Cor Park	−6.96		42.09

Boulevard

E Rod	E Elev.	C Rod	C Elev	Rod	Elev
7.6 / 40	41.45	9.8 / 0.0	39.25	11.8 / 40	37.25
5.9 / 40	43.15	8.3 / 0.0	40.75	10.0 / 40	39.05
4.5 / 0.0	44.55	6.9 / 0.0	42.15	9.1 / 40	39.95
3.0 / 40.0	46.05	5.7 / 0.0	43.35	7.3 / 2.4	Pavilion in the way.
1.2 / 0.0	47.85	5.0 / 0.0	44.05	8.0 / 40	41.05
		3.8 / 0.0	45.25		

Levels on Frankly Place. Beginning at the west line of Prospect St. & running West to Boulevard.

G J Renner Rod.
F H Woodworth Chain. June 4th 01

Franklyn Place

	±	H.I.	Elev	S. Rod	S. Elev	C. Rod	C. Elev	N. Rod	N. Elev
B.S. N.W. Cor Blk 38	+010	94.04	93.94						
Hub. E. Cor Blk 57	-3.87								
O. = intersection cent. of Frankly & West line Prospect.				2.9/40	91.14	3.4/0.0	90.64	3.9/40	90.14
+50				5.2/50 5.7/40	88.34	6.9/0.0	87.14	6.7/40	87.34
1				10.7/50 11.1/40	82.94	12.2/0.0	81.84	11.7/40	82.34
Peg	-12.66 +0.21	81.59	81.38						
+50				4.7/50 5.3/40	76.29	6.6/0.0	74.99	5.4/40	76.19
2				10.4/50 11.1/40	70.49	12.2/0.0	69.39	11.9/40	69.69
Peg	-12.68 +0.53	69.44	68.91						
+50				3.0/50 3.9/40	65.54	5.8/0.0	63.64	6.8/40	62.64
3				10.9/50 11.0/40	58.44	11.5/00	57.94	12.4/40	57.04
Peg	-12.68 +0.64	57.40	56.76						
+50				3.6/50 3.9/40	53.50	4.8/0.0	52.60	5.5/40	51.90
Hub. N.W. Cor. Blk 55	-6.54		50.80						
4				8.9/40	48.50	9.1/00	48.30	10.0/40	47.40
Peg	-12.85 +1.69	46.24	44.55						
+50				1.1/40	45.14	1.4/00	44.84	1.9/40	44.34

G J Rennie Rod
F H Woodworth Chain

June 4th 04

			±	H.I.	Elev.
5				46.24	
+50					
Hub N. West Cor Blk 57			-11.54		34.70
6					
Peg			-10.56 +1.52	37.20	35.68
+50					
7					
+30.9	= 35+13 Boulevard line				
Peg.			-10.24		(26.88 CK) 26.96

Franklyn Place

S Rod	S Elev.	C Rod	C Elev	N Rod	N Elev.
4.3/40	41.94	5.2/00	41.04	5.9/40	40.34
7.2	39.04	8.1/0.0	38.14	8.8/40	37.44
10.2/40	36.04	10.6/0.0	35.64	11.2/40	35.04
3.6/40	33.60	3.9/0.0	33.30	4.8/40	32.40
4.9/40	32.30	5.9/0.0	31.30	6.8/40	30.40

Levels on The Terrace. Beginning on the North side of Frankly Place & running North to Grand Ave.
June 7th 04

G J Rennie Rod
T H Woodworth Chain

	I	H.I.	Elev.
B.S. N.W. Cor Blk 55	+7.38	58.20	50.82
Hub S.W. Cor Terrace St.	-11.73		46.47
O.N. Side Frankly Place			
Hub S.E. Cor Terrace St.	-6.88		51.40
+50			
1			
+50			
2			
Peg	-5.00 +12.75	65.95	53.20
+50			
3			
+50 +86.2 S. Side Ocean St.			
4			
+50			
5			
Peg	-5.58 +8.66	69.03	60.37
+50			

The Terrace

E Rod	E Elev.	C Rod	C Elev.	W Rod	W Elev.
7.6/25	50.60	9.3/0.0	48.90 10.0/20	11.2/25	47.00
5.9/25	52.30 7.0/22	8.0/0.0	50.20 9.0/20	10.1/25	48.10
3.6/25	54.60 4.8/23	6.6/0.0	51.60 7.9/20	8.9/25	49.30
3.0/25	55.20	5.4/0.0	52.80 6.6/18	7.7/25	50.50
1.0/25	57.20 1.9/23	4.0/0.0	54.20 5.1/19	6.6/25	51.60
7.6/25	58.35 8.9/21	10.8/0.0	55.15 11.6/18.5	12.8/25	53.15
7.0/25	58.95 8.1/23	9.6/0.0	56.35 10.8/18	11.5/25	54.45
4.4/25	61.55 7.3/19	8.8/0.0	57.15 10.0/20	11.1/25	54.85
3.8/25	62.15	8.1/0.0	57.85	11.0/25	54.95
2.2/25	63.75	6.8/0.0	59.15	10.3/25	55.65
0.6/25	65.35	5.8/0.0	60.15	8.9/25	57.05
1.4/25	67.63	8.1/0.0	60.93	12.4/25	56.63

G.J. Rennie Rod
7 H Woodworth Chain

June 7th 04

		±	H.I.	Elev
6			69.03	
+50				
7				
+50				
+64.3	W line Grand Ave.			
Peg		−10.56 +1.86	60.33	58.47
6				
+50				
7				
+50				
+64.3				
Hub	N.W. Cor Terrace St.	−6.86		53.4
"	N.E. " " "	−0.86		59.4
"	N. Cor Blk 57	−11.34		(49.02 CK) 48.99

The Terrace.

E Rod	E Elev	C Rod	C Elev	W Rod	W Elev.
0.7/25	68.33	8.3/0.0	60.73		
8.2/25	60.83	10.8/0.0	58.23		
9.4/25	59.63	11.7/0.0	57.33		
9.6/25	59.43	12.5/0.0	56.53		
		12.6/0.0	56.43		
				4.3/25	56.03
				5.6/25	54.73
				6.4/25	53.93
				5.9	54.43
				6.2/25	54.13

Levels on Daisy Row. Beginning at the west line of Prospect & running west to the east line of coast St.

G J Rennie Rod
F H Woodworth Chain

June 7th '04

	±	H.I.	Elev.
B.S. from N.E. Cor Blk 36	+0.57	87.95	87.38
Hub. S.E. Cor Blk 55	-3.89		84.06
0 West line Prospect.			
+50			
Hub. N.E. Cor Blk 35	-4.80		83.15
1			
Peg	-12.69 +0.44	75.70	75.26
1			
+50			
Peg	-12.95 +1.13	63.88	62.75
2			
Peg	-12.38 +0.08	51.58	51.50
+50			
+91.6 E. Side Coast St.			
Hub. N.W. Cor. Blk 35	-5.75		45.83
" S W " " 55	-6.32		45.26

Daisy Row

S. Rod	S. Elev	C Rod	C Elev	N. Rod	N. Elev
3.3	84.65	4.6	83.35	5.4	82.55
5.7	82.25	8.4	79.55	10.1	77.85
10.4	77.55				
		1.8	73.90	4.1	71.60
7.5	10.7 ~~65.00~~ 68.28 ~~17.8~~	11.3	64.40	10.2	65.50 ~~75.50~~
10.2	52.68 ~~62.68~~	8.5	55.38 ~~75.38~~	6.4	57.48 ~~77.48~~
5.1	46.48	2.4	49.18	0.3	51.28
8.4	43.18	6.5	45.08	3.4	48.18

Levels on Center St. Beginning on the South line of Garfield Ave & running South to Palm Ave

G J Rennie Rod June 7 '84

F H Woodworth Chain

	±	HI	Elev.
BS from Hub. S.E. Cor. Blk 27	+0.70	133.02	132.32
0 E. line Garfield Ave.			
+50			
1			
+50			
Peg.	-12.74 +0.15	120.43	120.28
2			
+50			
3			
3+50 3+80 W. Side Lincoln Ave.			
4			
+50			
5			
Peg.	-10.81 ++0.70	110.32	109.62
+50			
6			

Center St.

S		C		N	
Rod	Elev	Rod	Elev	Rod	Elev.
5.0	128.02	5.3	127.72	5.0	128.02
9.1	123.92	8.2	124.82	6.0	127.02
10.6	122.42	8.9	124.12	7.2	125.82
12.0	121.02	11.0	122.02	11.1	121.92
1.8	118.63	1.1	119.33	0.5	119.93
3.5	116.93	3.0	117.43	2.2	118.23
4.8	115.63	4.2	116.23	3.7	116.73
6.3	114.13	5.9	114.63	5.5	114.93
7.7	112.73	7.3	113.13	7.0	113.43
9.0	111.43	8.5	111.93	8.2	112.23
10.1	110.33	9.7	110.73	9.4	111.03
1.3	109.02	0.8	109.52	0.7	109.62
2.4	107.92	1.6	108.72	1.7	108.62

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

June 7 '04

	±	H.I.	Elev.
6+50		110.32	
7			
+50			
+79.6 W. Side Ground Ave.			
Hub. N.E. Cor Blk. 22	-6.44		103.88
8			
+50			
9			
+50			
10			
Peg	-11.31 + 0.45	99.46	99.01
+50			
11			
+50			
+79.6 W. Line N.H. Ave.			
Hub. N.E. Cor Blk. 21	-5.16		94.30
12			
+50			
13			
+50			
14			

Center St.

S Rod	S Elev	C Rod	C Elev	N. Rod	N. Elev
3.2	107.12	2.3	108.02	2.8	107.52
4.5	105.82	4.1	106.22	4.1	106.22
6.1	104.22	5.3	105.02	4.8	105.52
6.6	103.72	6.7	103.62	6.2	104.12
8.2	102.12	7.8	102.52	7.4	102.92
9.4	100.92	9.0	101.32	8.3	102.02
11.0	99.32	10.4	99.92	9.8	100.52
12.1	98.22	11.7	98.62	11.3	99.02
2.8	96.66	1.9	97.56	1.3	98.16
3.7	95.76	2.7	96.76	2.4	97.06
4.9	94.56	4.0	95.46	3.4	96.06
6.0	93.46	4.6	94.86	4.3	95.16
7.3	92.16	6.1	93.36	5.2	94.26
8.3	91.16	7.2	92.26	5.6	93.86
9.2	90.26	8.1	91.36	6.5	92.96
9.9	89.56	8.5	90.96	6.7	92.76

G J Rennie Rod
F H Woodworth Chain

	±	H.I.	E/Lev
14+50		99.46	
15			
Peg.	-7.72		
15+39.7 W. Side Washing St.	+0.46	92.20	91.74
+50			
Hub. N.E. Cor Blk 20	-3.74		88.46
16			
+50			
17			
+50			
18			
+50			
19			
+20.1 W. Side Orange Ave.			(84.59 CR.)
Peg.	-7.54		
	+2.45	87.11	84.66
+50			
20			
+50			
21			
+50			
22			

Center St.

S		C		N	
Rod	Elev	Rod	Elev	Rod	Elev
10.4	89.06	8.8	90.66	7.3	92.16
10.7	88.76	9.2	90.26	7.6	91.86
3.7	88.50	2.4	89.80	0.9	91.30
4.0	88.20	2.4	89.80	1.9	90.30
4.2	88.00	3.1	89.10	1.8	90.40
4.3	87.90	3.0	89.20	2.2	90.00
5.1	87.10	4.0	88.20	3.1	89.10
5.7	86.50	4.3	87.90	4.0	88.20
6.4	85.80	5.4	86.80	5.0	87.20
7.0	85.20	6.6	85.60	6.3	85.90
2.8	84.31	2.5	84.61	2.7	85.01
3.5	83.61	2.7	84.41	3.4	83.71
5.2	81.91	3.7	83.41	4.6	82.51
7.3	79.81	6.7	80.41	7.0	80.11
8.9	78.21	8.9	78.21	8.2	78.91
10.5	76.61	10.4	76.71	10.3	76.81

G J Rennie Rod
F H Woodworth

	Chain ±	H. I.	Elev.
22+20 E. line Palm Ave		87.11	
Hub N.W. Cor Blk 19	-11.01		(76.04 ck) 76.10
" S " " " 33	-10.74		76.31

Center St.

S		C		N	
Rod	Elev	Rod	Elev	Rod	Elev
~~11.01~~	76.10	10.9	76.21 ~~86.21~~	10.74	76.37

Levels on Lincoln Ave. Beginning on the west side of State Street + running to Prospect St.

G J Rennie Rod June 7th '04

F H Woodworth Chain

	±	H.I.	Elev.
BS from Hub. S.E. Cor BLK 23	+9.05	117.22	108.17
0 west side State St.			
+50			
1			
+50			
2			
+50			
+75 E. line Center St.			
Hub. N.E. Cor BLK 23	-4.02		
3			
Peg	-0.55 +2.15	118.82	116.67
+50			
4			
+50			
5			
+50			
6			
+50			

Lincoln Ave

20

E		C		W	
Rod	Elev	Rod	Elev	Rod	Elev.
6.8	110.42	8.2	109.02	9.1	108.12
6.3	110.92	7.1	110.12	7.7	109.52
4.8	112.42	5.8	111.42	6.2	111.02
3.7	113.52	4.7	112.52	5.6	111.62
2.7	114.52	4.1	113.12	5.0	112.22
2.0	115.22	3.5	113.72	4.0	113.22
1.3	115.92	2.7	114.52	3.6	113.62
2.2	116.62	3.6	115.22	4.9	113.92
1.4	117.42	3.3	115.52	4.6	114.22
1.9	116.92	3.6	115.22	4.9	113.92
2.5	116.32	3.9	114.92	5.2	113.62
2.5	116.32	4.3	114.52	5.5	113.32
2.9	115.92	4.5	114.32	5.2	113.62
3.3	115.52	4.6	114.22	5.4	113.42

G J Rennie Rod June 7th 04

F H Woodworth Chain

	I	H.I.	Elev
7		118.82	
+50			
8			
+50			
+55.8 S. Side Conn St.			
Peg. Hub. N.E. Cor Blk. 29	−6.57 +5.48	117.73	112.25
9			
+50			
10			
+50			
11			
+50			
12	8.08		
Peg	−7.97 +2.02	111.78	109.76
+50			
13			
+50			
14			
+34.6 E. Side Wall St.			
Peg. Hub. N.E. Cor Blk 39	−6.26 +4.55	110.07	105.52

Lincoln Ave

E Rod	E Elev	C Rod	C Elev	W Rod	W Elev.
3.5	115.32	4.8	114.02	5.4	113.42
3.8	115.02	4.6	114.22	5.9	112.92
3.8	115.02	5.4	113.42	6.3	112.52
4.7	114.12	5.7	113.12	6.5	112.32
4.0	113.73	4.7	113.03	5.6	112.13
3.9	113.83	5.1	112.63	5.4	112.33
4.0	113.73	5.0	112.73	5.4	112.33
4.3	113.43	4.7	113.03	5.0	112.73
4.5	113.23	5.0	112.73	5.5	112.23
5.6	112.13	6.2	111.53	6.7	111.03
8.1	109.63	8.4	109.33	8.2	109.53
3.4	108.38	3.6	108.18	3.9	107.88
4.2	107.58	4.7	107.08	4.3	107.48
4.6	107.18	5.1	106.68	5.2	106.58
5.3	106.48	5.6	106.18	5.5	106.28

G J Rennie Rod
F Woodworth Chain

June 8th 04

			±	H.I.	Elev.
14+50				110.07	
15					
+50					
16					
+50					
17					
+50					
18					
+50					
19					
+17.7	E line Prospect St.				
Hub N.E. Cor Blk 54			-9.24		100.83
" N.W. " " 53			-7.01		(102.98) 103.06

Lincoln Ave

E Rod	E Elev.	C Rod	C Elev.	W Rod	W Elev.
4.0	106.07	4.3	105.77	4.3	105.77
4.2	105.87	4.6	105.47	4.8	105.27
4.2	105.87	5.0	105.07	5.1	104.97
4.4	105.67	4.9	105.17	5.3	104.77
4.2	105.87	4.8	105.27	5.4	104.67
4.3	105.77	5.1	104.97	5.7	104.37
4.4	105.67	5.3	104.77	6.1	103.97
4.6	105.47	6.0	104.07	7.0	103.07
5.3	104.77	6.8	103.27	7.9	102.17
6.0	104.07	7.6	102.47	9.1	100.97
		8.0	102.07		

Levels on Garfield Ave. Beginning on west line of State St. + running N. to Prospect St

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

	±	H.I.	Elev.
B.S. on S.W. Cor Blk 27	+5.47	137.79	132.32
S.E. Cor Blk 24			
0 west line State St.			
+50			
1			
+50			
2			
+25			
+50			
3			
+50			
Hub. W. Cor Blk 27	-1.36		136.43
4			
+50			
5			
Peg	-2.34 +0.51	135.96	135.45
+50			

Garfield Ave.

E Rod	E Elev	C Rod	C Elev.	W Rod	W Elev.
				13.0	124.79
6.2	131.59	9.7	128.09	12.2	125.59
4.2	133.59	6.9	130.89	9.5	128.29
4.2	133.59	7.5	130.29	10.0	127.79
3.6	134.19	6.2	131.59	8.2	129.59
2.0	135.79	5.6	132.19	7.9	129.89
3.3	134.49	6.8	130.99	9.6	128.16
5.7	132.09	6.5	131.29	6.1	131.69
2.7	135.09	3.7	134.09	4.4	133.39
2.0	135.79	5.4	132.39	7.3	130.49
0.9	136.89	4.8	133.99	8.6	129.19
0.8	136.99	4.4	133.39	8.0	129.79
1.9	134.89	5.0	132.79	8.1	129.69
0.5	135.48	4.0	131.96	7.6	128.36

G J Rennie Rod
7 H Woodworth Chain

June 8th 04

	±	H. I.	Elev
6		135.96	
+50			
+91.6 N. line Conn. St.			
Hub. S.E. Cor. Blk. 40	-11.56		124.40
7			
+50			
8			
+50			
Reg.	-1.253 + 0.79	124.22	123.43
8			
+50			
9			
+50			
10			
Reg.	-11.28 + 0.78	113.72	112.94
+50			
11			
+50			

Garfield Ave.

E. Rod	E. Elev	Rod	Elev	W. Rod	W. Elev
1.8	134.16	5.8	130.16	8.6	127.36
3.7	132.79	7.5	128.46	10.2	125.76
5.7	130.26	9.1	126.86	11.6	124.36
7.8	128.16	10.9	125.06	13.2	122.76
8.9	128.06	12.2	123.76		
11.6	124.36				
				2.2	122.02
		2.2	122.02	4.2	120.02
3.2	121.02	4.8	119.42	6.1	118.12
6.7	117.52	8.1	116.12	9.1	115.12
9.5	114.72	10.7	113.52	11.4	112.82
0.7	113.02	1.7	112.02	2.3	111.42
2.2	111.52	2.8	110.92	3.2	110.52
3.7	110.52	3.9	109.82	4.4	109.32

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

June 8th '24

			±	H.I.	Elev.
11+91.7	So. line Wall St.			113.72	
Hub.	N. E. Cor. Blk	40	−5.22		108.50
12					
+50					
13					
+50					
14					
+50					
Peg			−4.56 +3.87	113.03	109.16
15					
+50					
16					
+50					
17					
+50					
18					
+09.0	East line Prospect St.				
Hub.	N. E. Cor. Blk	53	6.99		106.04
"	N. W. " "	52	−6.92		106.11

Garfield Ave.

E. Rod	E. Elev.	C. Rod	C. Elev.	W. Rod	W. Elev.
3.9	109.82	4.6	109.12	5.0	108.72
4.4	109.32	5.3	108.42	5.8	107.92
5.0	108.72	5.5	108.22	6.0	107.72
5.1	108.62	5.5	108.22	6.0	107.72
4.9	108.82	5.2	108.52	5.5	108.22
5.3	108.42	5.1	108.62	5.4	108.32
3.5	109.53	4.0	109.03	4.5	108.53
3.5	109.53	4.1	108.93	4.6	108.53
3.4	109.63	4.2	108.83	4.7	108.33
4.1	108.93	4.6	108.43	4.9	108.13
4.4	108.63	5.0	108.03	5.2	107.83
5.2	107.83	5.6	107.43	5.7	107.33
6.2	106.83	6.7	106.33	7.0	106.03
		6.9	106.13		

G J Rennie Rod
F H Woodworth Chain

June 8th '04.

Levels on Connecticut St. Beginning at the west line of Garfield Ave & running west

	I.	H.I.	Elev
B.S. Hub S-E Cor Blk 40	+2.53	126.93	124.40
0 W. line Garfield Ave			
+50			
1			
+50			
2			
+50			
Peg	−12.50 + 1.14	115.57	114.43
3			
+50			
+79.9 W. line Lincoln Ave.			
Hub. N.E. Cor Blk	−3.28		
4			
+50			
5			
+50			
6			
+50			

Connecticut St.

S		C		N	
Rod	Elev	Rod	Elev	Rod	Elev.
0.4	126.53	1.2	125.73	2.5	124.43
3.3	123.63	5.0	121.93	5.9	121.03
6.5	120.43	7.7	119.23	8.2	118.73
8.6	118.33	9.6	117.33	10.2	116.73
10.5	116.43	11.0	115.93	11.3	115.63
11.7	115.23	12.0	114.93	12.1	114.83
1.4	114.17	1.7	113.87	1.6	113.97
2.8	112.77	3.0	112.57	3.1	112.47
3.4	112.17	3.6	111.97	3.8	111.77
4.5	111.07	4.8	110.77	4.7	110.87
5.5	110.07	5.4	110.17	5.5	110.07
6.2	109.37	6.4	109.17	6.3	109.27
6.9	108.67	7.0	108.57	7.1	108.47
7.7	107.87	7.9	107.67	8.2	107.37

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

June 8th 04

	±	H.I.	Elev.
B.M. Tel. Pole. Gr + Conn.	-7.08	115.59	108.51
7			
+50			
+79.5 W. Side Grand Ave.	-10.07		
Peg.	+1.56	107.08	105.52
Hub. N.E. Cor Blk. 30	-1.63		105.45
8			
+50			
9			
+50			
10			
+50			
11			
+50			
+59.8 W. Side N.Y. Ave	-7.73		
Peg N.E. Cor. 31	+1.44	100.79	99.35
12			
+50			
13			
+50			

Connecticut St.

S		C		N	
Rod	Elev	Rod	Elev	Rod	Elev.
8.8	106.77	8.6	106.97	9.3	106.27
9.6	105.97	9.7	105.87	10.3	105.27
2.1	104.98	2.1	104.98	2.4	104.68
2.9	104.18	3.1	103.98	3.2	103.88
3.8	103.28	3.7	103.38	3.7	103.38
4.5	102.58	4.6	102.48	4.4	102.68
5.4	101.68	5.2	101.88	5.2	101.88
6.1	100.98	5.9	101.18	6.0	101.08
6.8	100.28	7.0	100.08	7.0	100.08
7.6	99.48	7.8	99.28	8.0	99.08
2.0	98.79	2.3	98.49	2.3	98.49
2.5	98.29	3.1	97.69	3.4	97.39
3.5	97.29	4.1	96.69	4.4	96.39
4.1	96.69	4.9	95.89	5.6	95.19

June 8th 04

	±	H.I.	Elev.
14		100.79	
+50			
15			
+39.5 W. Side Washing Ave.			
Peg. Hub N.E. Cor Blk. 32	− 7.73 + 0.26	93.32	93.06
+50			
16			
+50			
17			
+50			
18			
+39.9 E. line Orange Ave.			
+64.2 on line between S-W. Cor Blk 36 + the N-E. Cor Blk 33.			(84.15 ok) 84.08
Hub. S.W. Cor Blk. 36	− 9.22		84.10
18+50			

Connecticut St.

S Rod	S Elev	C Rod	C Elev	N Rod	N Elev.
5.3	95.49	6.1	94.69	6.5	94.29
6.4	94.39	6.9	93.89	7.5	93.29
7.0	93.79	7.8	92.99	8.6	92.19
0.1	93.22	1.3	92.02	2.0	91.32
1.4	91.92	2.4	90.92	3.2	90.12
2.3	91.02	3.5	89.82	4.3	89.02
3.9	89.42	5.1	88.22	5.7	87.62
5.4	87.92	6.3	87.02	7.0	86.32
7.1	86.22	7.7	85.62	8.0	85.32
8.4	84.92	9.2	84.12	9.4	83.92

Levels on College St. Beginning on the E. line of Grand Ave & running North to end of Street.

June 9th 04

G J Rennie Rod
F H Woodworth Chain

	±	H.I.	Elev.	College St. E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
B.S. from N.E. Cor. Blk 8	+9.24	102.92	93.68						
Hub across Gr. Ave from above	-6.82		96.10						
O.E. Side Grand Ave				7.1	95.82	8.6	94.32	10.7	92.22
+50				5.9	97.02	6.9	96.02	8.9	94.02
1				5.3	97.62	6.4	96.52	8.9	94.02
+50 Cent. rod reading on mound 1.7' high				5.1	97.82	4.7	98.22	7.7	95.22
2				4.4	98.52	5.9	97.02	7.2	95.72
+50				3.6	99.32	5.8	97.12	5.2	97.72
3				2.8	100.12	2.4	100.52	3.9	99.02
Peg	-0.54 +12.98	115.36	102.38						
+50				12.5	102.86	12.1	103.26	13.4	101.96
4				10.3	105.06	10.4	104.96	10.3	105.06
+50				6.4	108.96	8.0	107.36	8.6	106.76
5				3.6	111.76	4.5	110.86	5.7	109.66
+50				0.6	114.76	1.1	114.26	2.1	113.26
Peg	-0.72 +12.58	127.22	114.64						

G J Rennie Rod
F H Woodworth Chain.

June 9th 04

	±	H.I.	Elev.
6		127.22	
+50			
+91.4 Ang. in College St.			
Hub. S.E. Cor Blk. 25	-6.55		
7			
+50			
8			
+37.3 So. line High St	-0.18		
Peg	+13.00	140.04	127.04
+50			
9			
Hub. S.E. Cor Blk 26	-8.93		131.11
+50			
Peg.	-0.85 -12.85	152.04	139.19
10			
+50			
11			
+50			
Peg	-0.53 +12.64	164.15	151.51

College St.

E Rod	E Elev.	C Rod	C Elev	W Rod	W Elev.
10.4	116.82	9.6	117.62	10.4	116.82
10.1	117.12	8.0	119.22	5.4	121.82
9.7	117.52	8.3	118.92	6.6	120.62
7.7	119.52	7.9	119.32	6.5	120.72
4.9	122.32	5.3	121.92	6.3	120.92
2.3	124.92	3.2	124.02	4.0	123.22
12.3	127.74	12.8	127.24	14.7	125.34
8.3	131.74	9.3	130.74	10.0	130.04
3.3	136.74	5.2	134.84	6.6	133.44
10.9	141.14	12.7	139.34	15.2	136.84
7.5	144.54	10.1	141.94	12.6	139.44
4.6	147.44	6.4	145.64	9.0	143.04
2.9	149.14	3.6	148.44	5.2	146.84

G. J. Rennie Rod
7 H. Woolworth Chain

June 9th 04

College St.

	I	H.I.	Elev	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev.
12		164.15		12.3	151.85	12.6	151.65	15.0	149.15
+50				10.3	153.85	10.7	153.45	13.0	151.15
13				7.6	156.55	9.6	154.55	10.7	153.45
+50				4.5	159.65	6.8	157.35	10.0	154.15
14 +16.9 So. line Magnolia Place.				0.8	163.35	5.2	158.95	7.3	156.85
Hub. N.E. Cor. Blk 26	-5.92		158.23						
+50						2.4	161.75	5.3	158.85
Pey	-1.38 +12.80	175.57	162.77						
14+50				7.8	167.77				
15				6.3	169.27	11.6	163.97	13.4	162.17
+50				5.9	169.67	8.6	166.97	11.4	164.17
16				2.2	173.37	6.8	167.77	8.7	166.87
+50						3.4	172.17	6.1	169.47
Pey	-0.60 +12.86	187.83	174.97						
16+50				12.5	175.33				
17				9.9	177.93	12.4	175.43	15.3	172.53
+50				7.0	180.83	8.7	179.13	11.4	176.43
18				3.6	184.23	6.9	180.93	9.0	178.83

G. J. Rennie Rod
7 H Woodworth Chain

June 9th 04

College St.

		±	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev.
18+50			187.83		0.5	187.33	3.7	184.13	6.5	181.33
Peg	Quit June 9 Began " 10	-3.55 +11.35	195.63	184.28						
19					6.8	188.83	11.0	184.63	13.5	182.13
+50 96.8 E. line Exchange Place.					7.8	187.83	11.1	184.53	14.6	181.03
20					7.8	187.83	11.8	183.83	13.6	182.03
+50					5.3	190.33	7.9	187.73	12.9	182.73
Hub. S.E. Cor Blk 44		-10.33		185.30						
21					2.7	192.93	7.1	188.53	10.2	185.43
+50		- +					5.6	190.03	7.8	187.83
Peg		-2.81 +7.40	200.22	192.82						
21+50					6.3	193.92				
22					3.4	196.82	6.0	194.22	9.4	190.82
+50					2.3	197.92	7.4	192.82	8.1	192.12
23					2.6	197.62	6.4	193.82	10.5	189.72
+50					2.7	197.52	7.6	192.62	11.3	188.92
24					2.1	198.12	6.0	194.22	10.7	189.52
+50					3.1	197.12	6.0	194.22	10.0	190.22
Peg.		-3.95 +4.10	200.37	196.27						

G. J. Runnie Rod
G. Lambert Chain.

June 10th 04

	±	H.I.	Elev.
25		200.37	
+50			
+76.8 Line Prospect St.			
26			
Hub. N.E. Cor Blk 44	-10.67		189.70
+50			
27			
Peg	-11.60 +1.69	190.46	188.77
27			
+50			
28			
+50			
Peg	-12.93 +0.29	177.82	177.53
29			
+50			
Peg	-12.96 +0.31	165.17	164.86
29+50			
30			
Peg.	-13.00 +1.11	153.28	152.17

College St.

E		C		W	
Rod	Elev	Rod	Elev	Rod	Elev
2.3	198.07	4.0	196.37	9.7	190.67
2.9	197.47	5.8	194.57	9.7	190.67
6.5	193.87	9.0	191.37	11.0	189.37
8.7	191.67	10.7	189.67	12.3	188.07
9.6	190.77	11.6	188.77		
				4.8	185.66
1.7	188.76	5.0	185.46	7.2	183.26
3.8	186.66	6.4	184.06	11.1	179.36
6.4	184.06	10.8	179.66	14.3	176.16
2.7	175.12	4.1	173.62	7.0	170.82
?		12.1	165.72	10.6	167.22
				3.0	162.17
7.2	159.97	5.3	159.87	7.1	158.07

~~G. J.~~ Rennie Rod
G. Lambert Chain

June 10 04

College St.

	I	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
30+50		153.28		7.3	145.98	3.3	149.98	1.5	151.78
31								10.3	142.98
Peg.	-12.96 +0.10	140.42	140.32						
31				9.0	131.42	5.9	134.52		
+25								7.0	133.42
Peg	-12.99 +2.18	129.61	127.43						
31+25				7.6	122.01	9.0	120.61		
				+31 9.6	120.01	+39 16.7	112.91		
+50				5.2	124.41	11.5	118.11	5.4	124.21
Hub. N.E. Cor Blk 45	-9.08		120.53						
Peg. +57 N. line Blk 45	-0.32 +11.62	140.91	129.29						
+75				5.5	135.41	15.1	125.81		
32						10.3	130.61		
+25						4.9	136.01		
+37						2.0	138.91		
Peg	-0.66 +12.02	152.27	140.25						
32				6.2	146.07				
+25				1.9	150.37				
+37				0.9	151.37				
Hub. N.E. Cor. College St.	-0.88								

G.J. Rennie Rod
G. Lambert Chain

June 10th 04

College St.

	±	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
B.S. N.E. Cor. Blk 45	+0.21	120.74	120.53						
31+75								9.6	111.14
+82								13.7	107.04
32								13.5	107.24
+37								6.9	113.84

Levels on St. Connecting College & State Streets at the North end of College St.

Beginning on the west side of College St.

E J Rennie Rod — June 10th 04

G Lambert Chain

	±	H.I.	Elev.
B.S. N.E. Cor BLK 45	+1.40	121.93	120.53
O. W. line College St.			
+50			
1			
+40			
Pay.	− 0.20		
	+11.96	13 3.69	121.73
On old F.P.	−5.75		(127.99 OK) 127.94
1			
+40			
Pay	− 2.41		
	+ 8.10	139.38	131 .28
0+50			
0+75			
1			

Gowrie Av.

S. Rod	S. Elev.	C. Rod	C. Elev.	N. Rod	N. Elev.
				8.1 / 40.0	113.84
1.4 / 40	120.53	15.1	106.83		
	~~11.8~~ / 7.	0.5	121.4 11.8 / 7	14.4 / 30	22.3 / 40 99.63
			7.1 / 23.		
				9.6 / 40	112.33
				5.2 / 40	116.73
		+80. 34 / 45	130.29		
			129.19		
7.5 / 40	126.19	9.3	124.39		
3.3 / 40	138.08				
2.2 / 40	137.18				
4.3 / 40	135.08				

Levels on High St. Beginning on the west line of College St running west to the east line of State St. June 10 '04

	±	H.I.	Elev.
B.S. from S.E. Cor. Blk. 26	+0.87	131.98	131.11
0. West line College St.			
+50			
1			
+50			
Peg	−9.23 +0.87	123.62	122.75
2			
+50			
+99.9 E. line State St.			
Hub. N.W. Cor Blk 25	−5.62		118.00

High St.

S		C		N	
Rod	Elev	Rod	Elev	Rod	Elev.
7.2	124.78	4.0	127.98	0.9	131.08
8.5	123.48	5.8	126.18	5.0	126.98
11.9	120.08	9.1	122.88	6.6	125.38
12.1	119.88	9.1	122.88	7.6	124.38
5.5	118.12	3.1	120.52	0.9	122.72
6.0	117.62	4.0	119.62	1.4	122.22
5.6	118.02	3.9	119.72	1.5	122.12

Levels on Magnolia Row. Beginning at the west line of College St & running west to Sta. 5+50 Garfield Ave. Line

G J Rumin Rod
G. Lambert Chain

June 10th 04

	±	H.I.	Elev.
BS. from N.E. Cor Blk 26	+7.84	166.07	158.23
0 W. line College St.			
+50			
1			
+50			
2			
Pcy	−11.28 +0.43	155.22	154.79
2+50			
3+00 E. line State St			
+50			
Hub. N.E. Cor Blk 27	−6.94		(148.24) 148.28
4			
+50			
5			
+25			
Pcy	−12.37 +3.01	145.86	142.85

Magnolia Row

S (W) Rod	Elev	C Rod	Elev.	N. (E)	
7.8	158.27	6.9	159.17	3.8	162.27
9.0	157.07	6.7	159.37	5.9	160.17
10.4	155.67	8.5	157.57	6.6	159.47
10.8	155.27	9.8	156.27	8.3	157.77
12.4	153.67	11.0	155.07	10.1	155.97
1.9	153.32	1.2	154.02	0.4	154.82
2.9	152.32	1.5	153.42	1.3	153.92
3.8	151.42	3.9	151.32	3.4	151.82
5.1	150.12	6.1	149.12	6.4	148.82
7.5	147.72	8.7	146.52	8.9	146.32
10.6	144.62	12.1	143.12	12.7	142.52
12.4	142.82	14.2		11.1	144.12

G J Rennie Rod
G Lambert Chain

June 10th 1921

	±	H.I.	Elev.
5+50		145.86	
+75			
6			
+50			
7			
Hub. West Cor Blk 27	-9.47		(136.43 ck) 136.34
+50			
8			
+50			
Peg	-9.34 +0.06	136.58	136.52
9			
9+00.7 = Sta. 5+50 Garfield Ave. Line			
Hub. N.E. Cor. Blk 40	-12.24		(124.40 ck) 124.34

Magnolia Row.

S		C		N.	
Rod	Elev	Rod	Elev	Rod	Elev.
5.1	140.76	3.0	142.86	0.6	145.26
7.5	138.36	2.9	142.96	0.1	145.76
5.6	140.26	2.5	143.36	0.0	145.86
6.4	139.46	3.3	142.56	0.7	145.16
8.4	137.46	4.8	141.06	2.0	143.86
10.8	135.06	7.4		4.3	141.6
12.8	133.06	10.0		7.1	
15.0	130.86	12.5		9.3	
8.	126.58	4.9	131.68	1.2	135.38

Levels on Exchange Place. Beginning at the west line of College St. + running west to Cave St.

June 10th 21

~~G J Rennie Rod~~

G. Lambert Chain

				S Rod	S Elev	C Rod	C Elev	N Rod	N Elev
B.S. S-E Cor. Blk 45	+ 1.66	186.96	185.30						
0 W. line College St				5.1	181.86	4.5	182.46	1.7	185.26
+50				9.5	177.46	8.6	178.36	6.2	180.76
1				12.7	174.26	10.6	176.36	10.1	176.86
Peg.	−13.25 +1.00	174.71	173.71						
+50				2.1	172.61	1.5	173.21	1.0	173.71
2				4.3	170.41	3.0	171.71	3.1	171.61
+50				6.5	168.21	4.1	170.61	5.4	169.31
3+00 E. line State St.				8.7	166.01	7.6	167.11	6.9	167.81
+50				10.2	164.51	8.8	165.91	7.0	165.71
Peg. Hub. N.E. Cor. Blk 42	−12.13 + 2.38	164.96	162.58						
4				3.1	161.86	1.7	163.26	1.0	163.96
+50				5.8	159.16	4.9	160.06	4.5	160.46
5				8.2	156.76	8.7	156.26	9.1	155.86 ~~165.61~~
+50				10.9	154.06	10.5	154.46	10.4	154.51 ~~164.31~~
Peg	−12.86 + 1.22	153.32	152.10						

G. J. Kemm Rod
G. Lambert Chain

	±	H.I.	Elev
6		153.32	
+50			
7			
Hub N.W. Cor BLK 42	-5.51		147.81
" N.E. " " 50	-11.61		141.71
7+34.3 W. line Beach Row.			
B.S. from N.E. Cor BLK 50	+0.08	141.79	141.71
7+50			
8			
+50			
9			
Pey	-12.24 +0.16	129.71	129.55
+50			
10			
Hub. N.W. Cor. BLK. 50	-5.73		123.98
+50			
11			
+50			

Exchange Place

S Rod	S Elev	C Rod	C Elev	N Rod	N Elev.
1.2	152.12	0.6	152.72	0.3	153.02
5.0	148.32	5.0	148.32	3.9	149.42
9.1	144.22	9.3	144.02	8.6	144.72

Quit June 10th 04

Began June 11th 4.15 P.M. Ocean Front today.

0.7	141.09	1.0	140.79	0.5	141.29
3.2	138.59	4.1	137.69	3.9	137.89
6.5	135.29	7.0	134.79	6.5	134.99
10.1	131.69	10.4	131.39	10.4	131.39
1.4	128.31	0.9	128.81	0.9	128.81
3.7	126.01	3.5	126.21	2.8	126.91
6.0	123.71	5.2	124.51	5.1	124.61
7.6	122.11	7.2	122.51	7.1	122.61
9.2	120.51	9.2	120.51	8.7	120.81

G. J. Rinnie Rod
Geo Lambert Chain

June 11th 1914

	±	H.I.	Elev.
12		129.71	
+50			
Pey	−12.13 +0.28	117.86	117.58
13			
+50			
+77.0 on line between N.E. Cor. Blk ~~52~~ 51 and the S-W. Cor. Blk 48	51 B.T.C.		
Hub. S-W. Cor. Blk. 48	−10.52		107.34
" N.E. Cor. Blk 52	−4.43		113.43

Exchange Place

S		C		N.	
Rod	Elev.	Rod	Elev.	Rod	Elev
10.8	118.91	10.6	119.11	9.7	120.01
11.9	117.81	11.6	118.11	11.0	118.71
1.5	116.36	1.2	116.66	0.3	117.56
3.1	114.76	4.5	113.36	2.2	115.66
4.5	113.36	7.4	110.46	6.3	111.56

Levels on Park Row. Beginning on the West line of State St. and running through the Center of Circular Park to the east line of Irving place.

G. J. Runnie Rod
L. Lambert Chain

June 13th 04

	I	H. I.	Elev.
B.S. N.E. Cor. Blk. 27	+8.62	156.86	148.24
0. West line State St.			
+50			
1			
+50			
2			
Reg. S.W. Cor Blk 42 Park Ro.	-2.24		
	+4.47	159.07	154.62
S.W. " " 42. Beach Row	-2.6		156.47
S.E " " 50 " "	-6.0		153.07
" " " " " Park Row	-5.2		153.87
B.M. on root Eucalyptus tree 12 ft. from S.E. Cor. Blk 53	-4.55		
N.W. Cor Blk 51 at Park	4.3		154.77
N.E " " 51 " "	4.7		154.37

2+39 on line between S.W. Cor Blk 42 + N.E. Cor Blk 51 at Park.

Park Row.

S		C		N.	
Rod	Elev	Rod	Elev.	Rod	Elev.
3.8	153.06	2.7	154.16	2.2	154.66
5.1	151.76	4.0	152.86	3.0	153.86
5.2	151.66	4.4	152.46	3.7	153.16
5.2	151.66	4.5	152.36	3.0	153.86
3.7	153.16	3.7	153.16	3.4	153.46

G. J. Rennie Rod
G. Lambert Chain

June 13th 04

	I	H.I.	Elev.
2+50		159.09	
3			
+31.1 Center Circular Park.			
+50			
4			
+23 on line between N.W. Cor BLK 51 & S.E. Cor BLK 50			
+50			
5			
+50			
Pg	-12.35 +1.10	147.84	146.74
6			
+50			
Pg	-12.70 +0.78	135.92	135.14
7			
+28.3 East line Irving Place.			
Hub. West Cor. BLK 50	-6.43		129.49 (124.4095)
" S.E. Cor BLK 40	-11.54		124.38

Park Row.

S Rod	S Elev.	C Rod	C Elev.	N Rod	N Elev.
4.3	154.79	4.3	154.79	4.2	154.89
3.9	155.10	3.4	155.69	2.8	156.29
3.7	155.39	3.6	155.49	3.6	155.49
4.6	154.49	4.2	154.89	5.0	154.09
4.4	154.69	5.1	153.99	5.5	153.59
6.2	152.89	6.0	153.09	6.4	152.69
9.5	149.59	9.4	149.69	9.8	149.29
1.0	146.84	1.6	146.24	4.0	143.84
6.5	141.34	8.8	139.04	11.4	136.44
2.8	133.12	3.8	132.12	4.8	131.12
5.3	130.62	6.5	129.42	7.7	128.22

Levels on Beach Row. Beginning on line between the S.W. Cor. Blk. 42 & the S.E. Cor Blk 50 & running North & East
D State St.
G J Rennie Rod
G Lambert Chain

June 13 '04

	±	H.I.	Elev.
B.S. from S.W. Cor Blk 42	+3.65	158.27	154.62
0. on line between S.W. Cor Blk 42 & S.E. Cor. Blk 50 Beach Row.			
+50			
1			
+50			
Peg	-7.57 +1.64	152.34	150.70
2			
+50			
+84.5 So. line Exchange Place.			
3			
Hub. N.E. Cor Blk. 50	-10.58		141.76
+50			
4			
+50			
5			
+50			

Beach Row

E Rod	E Elev	C Rod	C Elev	W Rod	W Elev.
1.7	156.57	3.4	154.97	5.1	153.17
3.5	154.77	5.1	153.17	6.6	151.67
4.5	153.77	7.0	151.27	8.7	149.57
6.2	152.07	8.7	149.57	10.7	147.57
1.6	150.74	4.9	147.44	7.6	144.74
3.8	148.54	7.2	145.14	9.7	142.64
4.4	147.94	7.9	141.44	10.4	141.94
4.1	147.24	7.2	145.14	9.2	143.14
2.8	149.84	5.3	147.04	8.9	143.44
1.6	150.74	3.8	148.54	6.7	145.64
1.4	150.94	2.5	149.84	4.5	147.84
3.0	149.34	3.9	148.44	4.5	147.84

G J Rennie Rod
G Lambert Chain

June 13

	±	H.I.	Elev.
6		152.34	
	−6.73		
Peg	+1.02	146.63	145.61
+50			
7			
Hub N.E. Cor Blk. 49	−9.16		137.47
	−12.52		
Peg	+0.75	134.86	134.11
+50			
Hub S.E. Cor Blk 48	−8.12		126.74
7+92 on line between S.E. Cor Blk 48 & S.W. Cor Blk ~~46~~ 47			
8			
	−12.69		
Peg.	+0.05	122.22	122.17
8			
8+50			
9			
	−12.89		
Peg	+0.20	109.53	109.33
8+50			
9			
9+50			

Beach Row

E Rod	E Elev	C Rod	C Elev	W Rod	W Elev.
6.1	146.24	6.9	145.44	7.1	145.24
7.5	139.13	6.2	140.43	5.0	141.63
14.7	131.83	12.3	134.33	10.1	136.53
9.8	125.06	9.7	125.16	5.2	129.66
8.6	126.26			10.4	124.46
		7.9	114.32		
1.5	120.72			1.3	120.92
8.7	113.52			8.9	113.32
		4.5	105.03		
		10.3	99.23		
4.1	105.43			7.0	102.53

G J Rennie Rod — June 13 '04 — Beach Row. E — C — W.

G. Lambert Chain.

	±	H.I.	Elev.	Rod	Elev	Rod	Elev	Rod	Elev
	−12.61 +0.59	109.53 97.51	96.92						
9+50						9.7	87.81		
10				5.8	96.71			9.6	87.91
Peg	−12.71 +0.13	84.93	84.80						
10						8.0	76.93		
10+44				0.8	84.13				
+50				15.0	69.93				
Peg.	−1.34 +4.88	88.47	83.59						
10+20				0.1	88.37				
11				0.0	88.47	8.3	80.17		
+20						5.9	82.57		
+50				5.3	83.17	12.5	75.97		
Peg	−12.75 +1.55	77.27	75.72						
10+50						7.9	69.37	8.3	69.97
+56						13.0	64.27		
11								3.4/20	73.87
+20								5.2/35	72.07
+50								8.6/35	68.67

G J Rennie Rod
G Lambert Chain

June 13 '04

Beach Row.

	±	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev.
11+75		77.27				5.5	71.71	13.8/40	63.47
12.				3.7	63.57	4.7	62.57		
Peg	−6.59 +2.63	73.31	70.68						
12								12.6/40	60.7
+40				5.5	67.81	11.8	62.51	16.5/30.	56.81
+50				4.0	69.31	10.7	62.61	16.0/25.	57.31
+80				0.0	73.31	6.8	66.51.	13.6/25	59.71
13				2.1	71.21	8.6	64.71	13.0/25	60.31
+30				4.5	68.81	13.5	59.81	15.3/35	58.01
+50				0.3	73.01	10.1	63.21	6.4/40	66.91
Peg	−0.23 +12.91	85.99	73.08						
14				8.7	77.29	9.8	76.19	10.8	75.19
+50				3.9	82.09	4.5	81.49	5.4	80.59
Peg	−0.27 +13.00	98.72	85.72						
15				11.5	87.22	12.5	86.22	12.4	86.32
+50				6.3	92.42	6.5	92.22	8.8	89.92
16				1.3	97.42	1.5	97.22	3.0/30	95.72
Peg	−0.40. +12.90	111.22	98.32						

G J Runnie Rod
G Lambert Chain

June 13 '04

Beach Row.

	H	H.I.	Elev	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
16+50		111.22		9.3	101.92	8.9	102.32	10.4/30	100.82
17				3.8	107.42	3.1	108.12	49/40	106.32
Reg	−0.28 +12.99	123.93	110.94						
+50				11.7	112.23	10.3	113.63	10.4	113.53
+75				6.1	117.83	6.6	117.33	11.4	112.53
18.				6.1	117.83	6.2	117.73		
+19.8				6.1	117.83	8.5	115.43		
Reg.	−6.13 +0.24	118.04	117.80						
18				17.5				17.5	100.54
+19.8				15.6				15.6	102.44
Reg	+12.76 − 2.52	130.56	117.80 (127.99 ck) 128.00						

Bench point

Levels on Irving Place. Beginning on the North line of Connecticut St and running North to a point on line between the West Corner of Blk 49 + the S.E. Cor of lot Blk.

	±	H.I.	Elev.
B.S. from S.E. Cor. Blk 40	+8.20	132.60	124.40
O. N. line Conn St.			
+50			
1			
+50			
2			
+50			
3			
Peg	-3.72 +3.22	132.10	128.88
+50			
4			
+50			
5			
+50			
6			

Irving Place

June 14th '04

E		C		W	
Rod	Elev	Rod	Elev	Rod	Elev
1.0	131.60	5.4	127.20	8.2	124.40
2.3	130.30	6.1	126.50	9.0	123.60
3.0	129.60	5.6	127.00	9.3	123.30
2.9	129.70	6.2	126.40	9.3	123.30
3.4	129.20	7.0	125.60	10.1	122.50
3.5	129.10	7.3	125.30	10.9	121.70
3.2	129.40	7.2	125.40	10.8	121.80
2.6	129.50	6.1	126.00	10.1	122.00
2.2	129.90	6.2	125.90	9.6	122.50
1.4	130.70	6.0	126.10	8.9	123.20
1.7	130.40	5.2	126.90	8.4	123.70
1.2	130.90	5.1	127.00	7.9	124.20
1.7	130.40	4.9	127.20	7.5	124.60

G. J. Rennie Rod
G. Lambert Chain

June 14

	±	H.I.	Elev.
6+50		132.10	
7			
+50			
Peg	−8.89 +3.79	127.00	123.21
8			
Hub. N.W. Cor. Blk 50	−2.93		124.07
+50			
9			
+50			
10			
+50			
+60.8	On line between the west Cor. Blk. 49 + the S.E. Cor lot, Blk.		

Irving Place.

E		C		W	
Rod	Elev	Rod	Elev	Rod	Elev
2.6	129.50	5.4	126.70	7.7	124.40
3.9	128.20	6.3	125.80	8.2	123.90
5.4	126.70	7.3	124.80	8.9	123.20
2.0	125.00	3.3	123.70	4.4	122.60
3.3	123.70	4.1	122.90	5.5	121.50
4.8	122.20	5.6	121.40	6.1	120.90
6.4	120.60	7.0	120.00	7.3	119.70
7.8	119.20	8.1	118.90	8.3	118.70
8.5	118.50	9.3	117.70	9.4	117.60
8.9	118.10	9.6	117.40	9.6	117.40

Levels on Cave St. Beginning on the east line of Garfield ave. + running east to the "West" line of Poos

G J Rennin Rod
G Lambert Chain.

June 14 '04

B.S. from N.E. Cor. Blk. 40	+5.48	114.03	108.55
O. Elin Garfield Ave.			
+50			
1			
+50			
2			
Peg	−1.06 +8.28	121.25	112.97
+50			
3			
+50			
4			
+50			
5			
+50			
Peg. Hub. S.E Cor Blk 52	−7.68 +1.21	114.78	113.57

Cave St.

Rod S.	Elev	Rod C	Elev	Rod N.	Elev
5.3	108.73	4.9	109.13	4.6	109.43
4.5	109.53	4.1	109.93	3.6	110.43
3.6	110.43	3.1	110.93	2.8	111.23
3.1	110.92	2.6	111.43	1.9	112.13
2.0	112.03	1.0	113.03	1.1	112.93
8.3	112.95	7.5	113.75	6.8	114.45
6.6	114.65	5.7	115.75	5.6	115.85
4.8	116.45	4.5	116.75	4.4	116.85
4.1	117.15	3.8	117.45	3.8	117.45
3.8	117.45	3.5	117.75	3.6	117.65
4.9	116.35	4.8	116.45	5.0	116.25
7.5	113.75	7.0	114.25	5.9	115.35

G J Rennie Rod
G Lambert Chain

June 14 04

Cave St.

	±	H.I.	Elev	S Rod	S Elev	C Rod	C Elev	N Rod	N Elev
6		114.78		5.3	111.48	6.8	107.98	1.4	113.38
+50				12.0	102.78	11.7	103.08	5.6	109.18
7								11.3	103.48
Peg	-12.98 + 0.01	101.81	101.80						
7				4.1	97.71	7.1	94.71		
+50				11.1	90.71			6.9	94.91
Peg.	-12.76 + 1.08	90.13	89.05						
7+50						6.5	84.63		
8				7.2	83.93			3.0	87.13
Peg.	-12.67 + 4.69	82.15	77.46						
8						8.3	73.85		
+50				6.4	75.75			4.1	78.05
8+14.7 = Sta. 53 Grand Ave line									
Sta. 53 Grand Ave line	-7.45		(74.71 ok) 74.70						
+30						8.0	74.15		
Peg	-12.85 + 0.36	69.66	69.30						
8+50						6.0	63.66		
9						10.6	59.06	2.6	67.06

G J Rennie Rod
G Lambert Chain

June 14 '04

Cave St.

	±	H.I.	Elev	S Rod	S Elev	C Rod	C Elev	N Rod	N Elev
9+25		69.66				6.8	61.86	13.7	58.96
+50						7.0	62.66	17.0/35	52.66
10						6.0	63.66	13.3	56.36
+50								6.4	63.26
Peg.	−0.33 +12.64	81.97	69.33						
9				8.8	73.17				
+50				9.7	72.27				
10				7.4	73.57				
10+50						10.2	71.77		
11								6.8	75.17
Peg	−0.30 +12.38	94.05	81.67						
10+50				11.3	82.75				
11						8.3	85.75		
11+50								7.3	88.75
Peg	−0.37 +12.78	106.46	93.68						
11				6.7	99.76				
11+50						7.1	99.36		
12						3.1	103.36	14.8	91.66

G J Rennie Rod
G Lambert Chain

June 14th '24

Cave St

	±	H.I.	Elev	S Rod	S Elev	C Rod	C Elev	N Rod	N Elev
12+50		106.46						10.4	96.06
13								1.2	105.26
Peg.	-0.19 +11.57	117.84	106.27						
11+50				9.4	108.44				
12				4.3	113.54				
12+22 on line between lots 24+25 Blk. 48									
12+50				2.7	115.14	11.3	106.54		
13.				0.2	117.64	5.2	112.64		
Peg Quit June 14 Began " 15	-0.54 +4.88	122.18	117.30						
13+50				1.8	120.38	4.8	117.38	11.7	110.46
14				0.3	121.88	3.4	118.18	10.0	112.18
+50				+0.1	125.28	3.5	118.68	11.0	111.18
15				+0.5	125.68	3.1	119.08	9.1	113.08
+50				0.5	124.68	4.3	117.88	12.4	109.78
16				3.3	119.88	13.7	108.48		
+50				5.2	116.98				
Peg	-12.36 + 5.58	115.40	109.82						
16+50						11.4	104.00		
17				1.0	114.40	12.8	102.60		

G J Kennie Rod
G Lambert Chain

June 15th 04

Cave St

	±	H.I.	Elev.	S Rod	S Elev	C Rod	C Elev	N Rod	N Elev
17+50		115.40		4.3	111.10				
18				5.5	109.90				
+50				4.5	110.90				
19				4.2	111.20				
	−12.79								
Pey	+0.96	103.57	102.61						
16								11.9/40	91.67
+50								10.8/30	92.77
17								14.7/40	88.87
+50						3.2	100.37		
18						5.6	97.97		
+50						4.0	99.57		
19						3.7	99.87		
			(96.42 CK)						
Old JP. on Beach Row.	−6.56		97.01						
	−12.69								
	+2.02	92.90	90.88						
17+50								6.1/40	86.80
18								5.3/40	90.60
18+50								4.2	88.70
+80								4.7	88.20

G. J. Rennie Rod
G. Lambert Chain

June 15th 04

Cave St.

	±	H.I.	Elev.	S Rod	S Elev.	C Rod	C Elev	N Rod	N Elev
19		92.90						12.8	80.10
19+05								17.6	75.30
Peg	−0.18 +12.73	105.45	92.72						
19+50						9.7	96.75		
+63						13.6	91.85		
19+85 = Sta. 9 Beach Row line.						6.2	99.25	3.2	102.25
Peg	−0.01 +11.22	116.66	105.44						
19+50				3.8	112.86				
19+85 Quit June 15th 04				3.3	113.36			3.2	113.50

G J Rennie Rod June 15 '04
G Lambert

	Rod		±	H.I.	Elev.
4+50	5.6	111.14		116.74	
5	8.4	108.34			
+25	13.1	103.64			
+50	11.5	105.2 115.24			
Pey			−12.73 +1.53	105.54	104.01
6	2.9	102.64			
+50	4.1	101.44			
7	5.2	100.34			
+50	7.4	98.14			
+75	10.6	94.94			
8	8.0	97.54			
+50	6.5	99.04			
9	9.5	96.0 85.56			
Pey			−12.19 +1.71	95.06	93.35
+50	4.5	90.56			
+70	7.8	87.26			
10	7.2	87.86			
+50	8.1	86.96			

Alley between Grand & N.Y. Aves.

G J Rennie Rod
G Lambert Chain

June 15th 04

			±	HI	
10+58	10.3	84.76.		95.06	
11	5.9	89.16			
+48					
+50	3.5	91.56			
12	3.2	91.86			
+50	2.4	92.66			
13	0.4	94.66			
Peg.			−0.46 +9.28	103.88	94.60
+50	7.3	96.58			
14	6.4	97.48			
+50	5.4	98.48			
15	4.6	99.28			
+50	4.2	99.68			
+59.8					
16.	3.4	100.48			
Peg			−3.37 +8.22	108.73	100.51
+50	7.4	101.33			
17	6.8	101.93			

Alley between Grand & N.Y. Aves

N. line Ravina St.

So side Center St.

G. Runnie Rod
G. Lambert Chain.

June 15, 04

Alley between Grand & N.Y. Aves.

	Rod		±	H.I.	Elev
17+50	5.8	102.93		108.73	
18	5.2	103.53			
+50	5.1	103.63			
19	4.8	103.93			
+50	5.0	103.73			
20	5.4	103.33			
+50	5.6	103.13			
21 +39.3	5.6	103.13			
+50	5.6	103.13			
22	5.9	102.83			
Peg.			−5.87 +3.29	106.15	102.86
+50	3.4	102.75			
23	3.6	102.55			
+50	3.9	102.25			
24	4.3	101.85			
+50	4.8	101.35			
25	4.5	101.65			
+50	4.6	101.55			

So. line Conn St.

G J Rennie Rod
G Lambert Chain

June 15 '04

	Rod		±	H.I.	Elev.
26	5.7	100.45		106.15	
+50	7.2	98.95			
27	8.8	97.35			
+50	10.3	95.85			
+82.0	11.2	94.95			

Alley between Grand & N.Y. Aves.

East Side Prospect St.

Alley between N.Y. & Washington Aves.
Beginning at the So. line La Jolla Park
and running North to Prospect St.

G J Rennie Rod
G Lambert Chain

June 15 04

	Rod		±	H.I.	Elev
B.S.			+ 6.10	119.26	113.16
0	0.0	119.26			
+50	2.0	117.26			
1	3.7	115.56			
+50	5.7	114.56			
2	7.2	112.06			
+50	8.7	110.56			
3	9.6	109.66			
+50	11.2	108.06			
Peg			-11.22 + 0.97	109.01	108.04
4	3.3	105.71			
+ 40	4.3	104.71			
+50	5.1	103.91			
5	6.1	102.91			
+50	7.5	101.51			
76	9.2	99.81			

Alley. Between N.Y & Washington
Aves.

Center Pearl St.

G J Rennie Rod
G Lambert Chain

June 15 - 04

	Rod		±	H.I.	Elev.
6+50	10.2	98.81		109.01	
7	11.7	97.31			
Peg			−11.75 +0.91	98.17	97.26
+50	2.2	95.97			
8	3.6	94.57			
+50	6.7	91.47			
9	12.2	85.97			
+50	13.1	85.07			
10	11.1	87.07			
Peg			−11.06 +0.99	88.10	87.11
+50	3.4	84.70			
11	4.2	83.90			
+50	6.0	82.10			
+90	14.3	73.80			
12	10.8	77.30			
+25	4.2	83.90			
12+40 +50	1.8	86.30			
13.	0.5	87.60			

Alley between N.Y. & Washington Aves.

N. Side Ravina St.

G J Remine Rod
G Lambert Chain

June 15 '04

Alley between N.Y. & Washington Aves.

	Rod		I	H.I.	Elev
13+50	1.0	87.10		88.10	
14	0.3	87.80			
Peg			−0.26 +8.14	95.98	87.84
+50	7.0	88.98			
15	6.3	88.68			
+50	5.1	90.88			
59.7	s. side	Center St.			
16	3.8	92.18			
+50	2.1	93.88			
17	0.6	95.38			
Peg			−0.63 +7.14	102.49	95.35
+50	5.5	96.99			
18	4.2	98.29			
+50	3.7	98.79			
19	3.5	98.99			
+50	3.6	98.89			
20	4.0	98.49			
+50	4.4	98.09			
21	4.8	97.69			

Quit June 15 '04.
Began " 16 '04

So Side Center St.

G J Rennie Rod
G Lambert Chain

June 16 04

Alley between N.Y. & Washington Aves.

	Rod		I	H.I.	Elev.	
21+50	5.5	96.99		102.49		
22	6.3	96.19				
+19.8						N. Side Connecticut St.
+50	7.0	95.49				
23	7.9	94.59				
+50	8.8	93.69				
24	9.9	92.59				
+50	10.8	91.69				
25	11.6	90.89				
+50	12.5	89.99				
26	13.3	89.19				
+30.8	13.6	88.89				So Side Prospect St.
			-9.42		(93.06 CK) 93.07	

Levels on alley between Washington & Orange Aves. Beginning on the South line La Jolla Park & running North to Connecticut St.

G J Rennie Rod
G Lambert Chain

June 16 '04

			±	H.I.	El
B.S. Orange Ave		Range line +	6.97	107.14	100.17
0	0.3	106.84			
+50	1.1	106.04			
1	1.8	105.34			
+50	3.5	103.64			
2	4.8	102.34			
+50	6.3	100.84			
3	7.7	99.44			
+50	8.8	98.34			
4	10.5	96.64			
+40	11.3	95.84			
+50	11.7	95.44			
Peg			−11.65 +1.13	96.62	95.49
5	2.5	94.12			
+50	4.1	92.52			
6	5.5	91.12			

Alley between Washington & Orange Aves.

So. line La Jolla Park.

Cut Pearl St.

Alley between Washington & Orange Aves.

G J Runnie Rod
G Lambert Chain

June 16 '04

	Rod		±	H.I.	Elev.
6+50	6.9	89.72		96.62	
7	8.2	88.42			
+50	9.5	87.12			
8	10.4	86.22			
+50	11.8	84.82			
Peg			−11.83 + 0.56	85.35	84.79
9	1.9	83.45			
+50	3.5	81.85			
10	5.0	80.35			
+50	6.3	79.05			
11	7.4	77.95			
+50	10.2	75.15			
+59	So. Side Ravina St.				
12	12.6	72.75			
Peg			−12.61 + 6.35	79.09	78.74
+30	13.0	66.09			
+50	10.5	68.59			
13	8.0	71.09			
+50	6.4	72.69			

G.J. Rennie Rod
G. Lambert Chain

June 16 '04.

	Rod		±	H.I.	Elev
14				79.09	
Pey			−1.39 +11.70	89.40	77.70
14	11.0	78.40			
+50	6.8	81.60			
15	3.8	85.60			
+50	1.8	87.60			
Pey			−0.50 +6.76	95.66	88.90
+60.2					
16	6.8	88.86			
+50	5.3	90.36			
17	4.4	91.26			
+50	3.7	91.96			
18	3.7	91.96			
+50	4.3	91.36			
19	4.8	90.86			
+50	4.6	91.06			
20	4.4	91.26			
+50	4.4	91.26			

Alley between Washington & Orange Aves.

So side Center St.

G J Rennie Rod
G Lambert Chain

June 16 '04

	Rod		±	H.I.	Elev
21	5.1	90.56		95.66	
+40.2	6.1	89.56			
S.W. Cor BLK 36			-11.60		84.06

Alley between Washington & Orange Aves.

So line Conn St.

Levels on Alley between Orange and Palm Ave. Beginning at the South line of La Jolla Park & running to Prospect St

G J Rennie Rod
P. Lambert chain

June 16 04

	Rod		±	H.I.	Elev.
Range Line		Hub Palm	+10.65	95.78	85.13
0	1.2	94.58			
+50	2.6	93.18			
1	3.5	92.28			
+50	4.8	90.98			
2	6.0	89.78			
+50	7.0	88.78			
3	8.3	87.48			
+50	9.2	86.58			
4	10.4	85.38			
+50	11.6	84.18			
Pey			-11.65 +1.85	85.98	84.13
5	3.0	82.98			
+50	3.6	82.38			
6	5.0	80.98			
+50	5.9	80.08			

Alley between Orange & Palm Ave's

So Line La Jolla Park.

So: line Pearl St.

G J Rennie Rod
G Lambert Chain

June 16" 04

	Rod		±	H.I.	Elev.
7	6.6	79.38		85.98	
+50	7.3	78.68			
8	8.5	78.48			
+50	9.2	76.78			
9	10.2	75.78			
+50	11.0	74.98			
10	12.5	73.48			
Peg			−12.48 +0.92	74.42	73.50
+50	3.0	71.42			
+80.1					
11	10.1	64.32			
Peg			−10.19 +2.09	66.32	64.23
+50	11.8	62.62			
+85	13.3	61.12			
Peg			−0.70 +13.02	78.64	65.62
12	11.0	67.64			
+50	3.3	75.34			
Peg			−0.40 +8.17	86.41	78.24

Alley between Orange & Palm Aves.

So Side Ravina St.

G J Rennie Rod
G Lambert Chain

June 16 04

	Rod		±	H.I.	Elev
13.	7.8	78.61		86.41	
+50	6.4	80.01			
14	6.0	80.41			
+50	5.3	81.11			
15	5.3	81.11			
+50	5.2	81.21			
16	4.3	82.11			
+39.6					
+50	4.7	81.71			
17	4.8	81.61			
+50	4.6	81.81			
18	5.4	81.01			
+50	6.1	80.31			
19	6.9	79.51			
+23	7.5	78.91			
S.W. Cor Blk 33			-10.02		(76.19 K) 76.39

Alley between Orange & Palm Aves.

N. Side Center St.

East Side Prospect St.

Levels on Alley in Block 3.
G. J. Rennie Rod
G. Lambert Chain

June 16th 04

	Rod		±	H.I.	Elev
B.S. from Range Hub. Olive			+11.32	82.50	71.08
0	2.6	79.90			
+50.	3.1	79.40			
1	4.2	78.30			
+50	5.6	76.90			
2	6.2	76.30			
+50	6.8	75.70			
3	7.9	74.60			
+50	9.4	73.10			
4	10.3	72.20			

Alley in Block 3

So. line La Jolla Park

So. line Pearl St.

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Levels on Alley in Block 2
G J Rennie Rod
G Lambert Chain

June 16 04

	Rod		±	H.I.	Elev.	
Range	line Hub	Olive	+0.26	71.34	71.08	
0	5.9				65.4	So. line La Jolla Park.
+50	6.9				64.4	
1	8.3				63.0	
+50	9.4				61.9	
2	10.0				61.3	
+50	11.2				60.2	
3	11.6				59.7	
+50	12.3				59.0	
4	12.9				58.4	So. line Pearl St

Alley in Block 2

Levels on Alley in Block 16

Blind Alley in Block 16

G J Rinne Rod

	Rod	±	H.I.	Elev	
B.S.	S.W. Cor Blk. 18	+0.60	70.45	69.85	
Peg		-12.74 +1.05	57.76	57.71	
0	10.1			47.6	West line Olive Ave.
+50	13.0			44.7	
Peg		-12.93 +1.46	46.29	44.83	
1	5.3			41.0	
+50	9.1			37.2	
2	12.8			33.5	
Peg.		-12.74 +0.32	33.87	33.55	
+50	2.1			31.8	
3	4.8			29.1	
+50	2.5			31.4	
+94	1.9			32.0	
4	4.0			29.9	
+50	13.7			20.2	
+51.7	13.9			20.0	

Levels on Alley in Block 17.
Beginning on the East line of Olive and running to the West line of Palm Ave.

E J Remin Rod June 16 '02
E Lambert Chain

	Rod	±	H.I.	Elev
B.S. from Peg.		+1.06	58.77	57.71
0	11.8			47.0
+50	11.3			47.5
1	9.7			49.1
+50	8.5			50.3
2	8.5			50.3
+50	8.3			50.5
3	7.2			51.6
+50	6.5			52.3
4	5.7			53.1
Peg		-5.69 +6.84	59.92	53.08
+50	6.8			53.1
5	7.0			52.9
+50	5.9			54.0
6	4.8			55.1

Alley in Block 17

East line Olive Ave.

G J Runnie Rod June 16 '04 Alley in Block 17
G Lambert Chain

		±	H.I.	Elev	
6+50	4.6		59.92	55.3	
7	4.7			55.2	
+50	3.5			56.4	
+83.5	2.8			57.1	West line Palm Ave

Levels on Alley in Block 55.
Beginning at the N. line of Daisy Row
G J Rennie Rod. June 16 '04.
G Lambert Chain

	Rod	±	H.I.	Elev.
B.S. from Peg.		+0.17	75.43	75.26
0	6.5			68.9
+50	7.7			67.7
1	11.5			63.9
+25	12.5			62.9
+50	10.7			64.7
2	8.1			67.3
+50	7.6			67.8
3	7.3			68.1
+50	7.0			68.4
4	6.0			69.4
+50	6.7			68.7
5	4.7			70.7
+17	4.0			71.4

Blind Alley in Block 55

N. line Daisy Row.

Levels on Alley (Ocean St) in Block 57. Beginning on the west side of Prospect st running to Boulevard.

June 16 '04

G J Rennie Rod
G Lambert Chain Rod.

		±	H.I.	Elev.	
B.S. N.E. Cor. Blk 38		+0.78	94.72.	93.94	
0	2.7			92.0	West side Prospect St.
+50	4.1			90.6	
1	8.8			85.9	
Peg.		-12.94 +0.06	81.84	81.78	
+50	6.5			75.3	
Peg.		-12.90 +0.34	69.28	68.94	
2	6.6			62.7	
Peg.		-12.79 +0.27	56.75	56.49	
+50	1.3			55.5	
3	6.6			50.2	
+50	11.2			45.6	
Peg		-12.31 +0.77	45.21	44.44	
4	3.6			41.6	
+428	6.8			38.4	East line Boulevard
		-6.66		38.55	

Alley (Ocean St.) in Block 57

Levels on Alley between Lincoln and Garfield Aves, beginning on the west line of State St & running to Prospect St.

G J Rennie Rod
G Lambert Chain

June 17 04

	Rod		±	H.I.	Elev.	
B.S.	S-E Cor.	BLK 23	+11.78	119.95	108.17	
0	4.1				115.9	West Side State St.
+50	3.1				116.9	
1	1.1				118.9	
Peg			−0.21 +8.29	128.03	119.74	
+50 +53.8	7.1				120.9	So. Side Center St.
2	5.9				122.1	
+50	5.6				122.4	
3	4.8				123.2	
+50	4.3				123.7	
4	4.4				123.6	
+50	4.0				124.0	
5	4.5				123.5	
+50	6.1				121.9	
6	7.1				120.0	

Alley between Lincoln & Garfield Ave's.

Rinne Rod
Lambert Chain

June 17 '04

	Rod	±	H.I.	Elev.
Peg		+7.09 +2.56	128.03 123.50	120.94
6+50	2.9			120.6
7	4.1			119.4
+33 +50	5.8			117.7
8	6.4			117.1
+50	7.1			116.4
9	7.8			115.7
+50	8.5			115.0
10	9.5			114.0
+50	10.7			112.8
11	12.4			111.1
Peg		−12.68 +0.81	111.63	110.82
+50	1.3			110.3
12	2.7			108.9
+50	3.5			108.1
13	4.3			107.3
+13				
+50	4.8			106.8

Alley between Lincoln & Garfield Ave's.

So. Side Connecticut St.

So. Side Wall St.

G J Rennie Rod June 17 04
G Lambert Chain

	Rod	I	H.I.	Elev.
14	5.2		111.63	106.4
+50	4.9			106.7
Hub.	NE. Cor Blk 40	-3.10		(108.53) 108.53
15	4.7			106.9
+50	4.3			107.3
16	4.6			107.0
+50	4.4			107.2
17	4.8			106.8
+50	4.8			106.8
18	5.1			106.5
+50	5.9			105.7
+68.7	6.2			105.4

Alley between Lincoln & Garfield Aves.

East Side Prospect St

Alley in Block 52. Beginning on East line Garfield Ave & running to Prospect St.

June 17 '04

G J Rennie Rod
G Lambert Chain

	Rod		±	H.I.	Elev
B.S.	from Hub	N.E. of 52	+ 2.88	116.31	113.43
0	7.6				108.7
+50	7.1				109.2
1	6.6				109.7
+50	6.7				109.6
2	6.7				109.6
+50	6.4				109.9
3	5.8				110.5
+50	5.4				110.9
4	4.7				111.6
+50	4.0				112.3
+89.8	3.8				112.5

Alley in Block 52

East line Garfield St

East line of Prospect St.

Check levels.

N.E. BLK 8.	+10.76	104.44	93.68
Peg.	− 0.01		
	+12.87	117.30	104.43
Hub. S.E. BLK. 23	9.13		108.17
Peg.	−0.13		
	+9.48	126.65	117.17
"	−1.47		
	+8.12	133.30	125.18
Hub SW. 27	−0.98		132.32
B.S.	+0.09	141.80	141.71
Peg	−12.25		
	0.01	129.56	129.55
N.W BLK 50	−5.58		123.99
Peg. W. Cor BLK 49	−12.00		
	+2.58	120.14	117.56
N. Cor BLK 52	−4.73		113.41

Gr. Ow. 130.43

N.Y. Range 122.66

Wash " 113.16

Orange 100.17

Palm 85.13

Olive 71.08

SW BLK 18 69.85

Degrees.

89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 8 7 6 5 4 3 2 1 0 9

129

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

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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