Level Notes.

Pacific Beach.

Book No. 2.

No. 400

LEVEL BOOK

F.B. 178

178

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

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

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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.

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

See note on Page 41

Book No. 3

178

Pacific Beach
Levels.

Book No 2

Aug. 1904

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

INDEX

		Pages
Massachusetts	Ave.	2 – 10
Vermont	"	11 – 24
Thomas	"	25 – 38
Dawes	St	39 – 43
Reed	Ave	44 – 57
Evarts	St	58 – 62
Fanuel	"	63 – 67
Gresham	"	68 – 72
Haines	"	72 – 77

New Names
Felspar
(Emerald)

G J Rennie Rod
G Lambert Chain

Aug. 24 '04

		±	H.I.	Elev.
34+78.4	E. line Pearl St.		75.63	
35+58.4	W " " "			
36				
+50				
37				
+50				
38				
Peg		-5.76 +2.71	72.58	69.87
+50				
39				
+50				
40				
+50				
Peg		-4.38 +4.76	72.96	68.20
+58	E. line Broadway			
41				
+50				
+58	W " "			

This elevation of H.I. reduced from B.M. Cor. Broadway & Garnet St.

Continued from Page 76 Book No. 1

Mass. Ave.

2

N. Rod	N. Elev	C Rod	C Elev	S Rod	S Elev.
Continued from Page 76. Book No. 1.					
2.5	73.1	3.0	72.6	3.6	72.0
2.8	72.8	3.1	72.5	3.9	71.7
3.2	72.4	4.2	71.4	5.0	70.6
4.3	71.3	5.2	70.4	5.9	69.7
5.1	70.5	6.0	69.6	6.8	68.8
5.4	70.2	6.4	69.2	7.0	68.6
2.9	69.7 ~~67.0~~	3.5	69.1 ~~66.4~~	4.5	68.2 ~~65.4~~
3.0	69.6 ~~66.9~~	4.1	68.5 ~~65.8~~	4.9	67.7 ~~65.0~~
3.5	69.1 ~~66.4~~	3.6	69.0 ~~66.3~~	5.5	67.1 ~~64.4~~
3.5	69.1 ~~66.4~~	4.8	67.8 ~~65.1~~	5.6	67.0 ~~64.3~~
3.5	69.1 ~~66.4~~	4.3	68.3 ~~65.6~~	5.4	67.2 ~~64.5~~
3.5	69.5	4.3	68.7	5.2	67.8
3.4	69.6	4.4	68.6	5.3	67.7
2.7	70.3	3.6	69.4	4.6	68.4
2.6	70.4			4.6	68.4

G. J. Rennie Rod
G. Lambert Chain

Aug. 24 '04

		±	H.I.	Elev.
B.M.	Broadway + Garnet Tel. Pole	+10.27	72.96	62.69
42				
+50				
43				
+50				
44				
+50				
45				
Pag		−3.15 +7.09	76.90	69.81
+50				
46				
+50				
+58	E. line Haines St.			
47				
+38	W " " "	−4.91	~~71.99~~	71.99
+50				
48				
+50				

Mass. Ave.

N. Rod	N. Elev	C Rod	C Elev	S. Rod	S. Elev
2.1	70.9	2.8	70.2	3.9	69.1
1.7	71.3	2.5	70.5	3.2	69.8
1.6	71.4	2.3	70.7	3.2	69.8
1.7	71.3	2.4	70.6	3.0	70.0
2.1	70.9	2.4	70.6	2.8	70.2
2.4	70.6	2.6	70.4	2.9	70.1
2.7	70.3	3.1	69.9	3.6	69.4
6.4	70.5	7.2	69.7	7.5	69.4
6.2	70.7	7.0	69.9	7.3	69.6
6.4	70.5	6.6	70.3	7.0	69.9
5.9	71.0			6.8	70.1
5.5	71.4	6.0	70.9	6.0	70.9
4.91	72.0			4.9	72.0
4.7	72.2	4.8	72.1	5.0	71.9
4.3	72.6	4.3	72.6	4.4	72.5
4.1	72.8	4.3	72.6	4.4	72.5

G J Rennie Rod
G Lambert Chain

Aug 24. 04

Mass. Ave

4

			±	Hl.	Elev	N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
49				76.90		4.8	72.1	4.9	72.0	5.1	71.8
+50						6.0	70.9	6.2	71.7	6.5	70.4
50						7.1	69.8	8.1	68.7	8.4	68.5
Peg			−10.37 +1.26	67.79	66.53						
+50						0.4	67.4	0.8	67.0	1.3	66.5
51						2.7	65.1	3.2	64.6	3.7	64.1
+50						5.0	62.8	5.7	62.1	6.4	61.4
52						7.3	60.5	7.9	58.9	8.6	59.2
+38	E. line Gresham St					8.9	58.9			10.0	57.8
+50						9.0	58.8	9.9	57.9	10.2	57.6
53						9.8	58.0	10.6	57.2	11.3	56.5
+18	W " " "					10.0	57.8			11.5	56.3
+50						10.7	57.1	11.2	56.6	12.1	55.7
54						11.3	56.5	12.1	55.7	12.9	54.9
+50						11.5	56.3	12.5	55.3	13.1	54.7
Peg			−11.48 +2.56	58.87	56.31						
55						3.5	55.4	4.2	54.7	5.1	53.8
+50						4.3	54.6	5.1	53.8	5.9	53.0

G J Rennie Rod
E Lambert Chain

Aug. 24 '04

	I	H.I.	Elev.
56		58.87	
+50			
57			
+50			
58			
+17.5 E. line Tunnel St			
+50			
+97.5 W. " " "			
59			
+50			
Reg.	-7.15 +1.02	52.74	51.72
60			
+50			
61			
+50			
62			
+50			

Mass. Ave.

N		C		S	
Rod	Elev.	Rod	Elev.	Rod	Elev.
4.8	54.1	5.6	53.3	6.1	52.8
5.4	53.5	6.2	52.7	7.0	51.9
5.9	53.0	6.6	52.3	7.3	51.6
6.3	52.6	7.4	51.5	8.2	50.7
6.2	52.7	7.5	51.4	8.3	50.6
6.3	52.6			8.3	50.6
7.0	51.9	7.7	51.2	8.7	50.2
7.0	51.9			8.5	50.4
7.0	51.9	7.9	51.0	8.5	50.4
7.2	51.7	8.1	50.8	8.8	50.1
Quit Aug. 24 '04					
Began " 27					
1.3	51.4	2.2	50.5	3.0	49.7
1.6	51.1	2.4	50.3	3.4	49.3
1.7	51.0	2.6	50.1	3.5	49.2
2.1	50.6	2.8	49.9	3.8	48.9
2.6	50.1	3.3	49.4	4.1	48.6
3.1	49.6	3.8	48.9	4.5	48.2

G J Rennie Rod
G Lambert Chain

Aug. 27 04

		±	H.I.	Elev.
63			52.74	
+50				
+97.5 E. line Evarts St.				
64+50				
+77.5 W. "	"	"		
Plug N.W. Cor.	"	-6.49		46.25
65				
+50				
66				
+50				
Peg		-8.08 +0.21	44.87	44.66
67				
+50				
68				
+50				
69				
+50				

Mass. Ave.

N. Rod	N. Elev	C Rod	C Elev.	S. Rod	S. Elev.
3.7	49.0	4.2	48.5	5.2	47.5
4.4	48.3	5.0	47.7	5.8	46.9
5.4	47.3	6.0	46.7	6.5	46.2
6.1	46.6	6.8	45.9	7.6	45.1
6.5	46.2			8.3	44.4
6.8	45.9	7.2	45.5	8.6	44.1
7.2	45.5	8.0	44.7	9.2	43.5
7.8	44.9	8.6	44.1	9.7	43.0
8.1	44.6	9.3	43.4	10.0	42.7
0.9	44.0	1.7	43.2	2.6	42.3
1.6	43.3	2.2	42.7	2.8	42.1
2.4	42.5	2.9	42.0	3.7	41.2
3.1	41.8	3.7	41.2	4.3	40.6
3.8	41.1	4.5	40.4	4.9	40.0
4.4	40.5	5.2	39.7	5.7	39.2

G J Rennie Rod
G Lambert Chain

Aug 27 04

			±	H.I.	Elev
69+76	E. line Dawes St			44.87	
Plug N.E. Cor.	" "		-4.66		40.27
70					
+50					
+56	W. line " "				
71					
+50					
72					
+50					
Peg			-7.86 +1.47	38.48	37.01
73					
+50					
74					
+50					
75					
+50					
+56.5	E. line Cass St				
76					

Mass. Ave.

7

N Rod	N Elev	C Rod	C Elev.	S Rod	S Elev.
4.7	40.2			6.1	38.8
4.9	40.0	5.9	39.0	6.6	38.3
5.8	39.1	6.6	38.3	7.3	37.6
5.8	39.1			7.4	37.5
6.2	38.7	7.1	37.8	8.0	36.9
6.6	38.3	7.6	37.3	8.3	36.6
7.4	37.5	8.2	36.7	8.8	36.1
7.9	37.0	8.6	36.3	9.3	35.6
1.7	36.8	2.5	36.0	3.0	35.5
2.0	36.5	2.7	35.8	3.4	35.1
2.4	36.1	3.0	35.5	3.7	34.8
2.8	35.7	3.4	35.1	4.3	34.2
3.0	35.5	4.2	34.3	4.8	33.7
4.2	34.3	4.9	33.6	5.5	33.0
4.2	34.3			5.5	33.0
4.8	33.7	5.6	32.9	6.3	32.2

G. Rennie Rod
G. Lambert Chain

Aug 27 04

Felspar Mass. Ave.

		±	H.I.	Elev.	N. Rod	N. Elev.	℄ Rod	℄ Elev.	S Rod	S Elev.
76+36.5	W. line Cass St.		38.48	0.0	5.4	33.1			6.7	31.8
+50				0+15	5.6	32.9	6.3	32.2	6.9	31.6
77				0+65	6.3	32.2	7.0	31.5	7.4	31.1
+50				1+15	7.0	31.5	7.4	31.1	7.9	30.6
78				1+65	7.5	31.0	8.1	30.4	8.7	29.8
+50				2+15	8.2	30.3	8.8	29.7	9.4	29.1
Peg		−8.12 +0.77	31.13	30.36						
79				2+65	1.2	29.9	2.1	29.0	2.6	28.5
~~+50~~				3+15	1.7	29.4	2.4	28.7	3.2	27.9
80				3+65	2.3	28.8	3.1	28.0	3.5	27.6
+50				4+15	3.2	27.9	3.9	27.2	4.1	27.0
81				4+65	4.0	27.1	4.6	26.5	5.2	25.9
+36.5	E. line Bayard St			5+00	4.6	26.5			5.6	25.5
+50					4.9	26.2	5.2	25.9	5.6	25.5
82					5.6	25.5	6.1	25.0	6.5	24.6
+16.5	W. "	" "		0.0	5.7	25.4			6.8	24.3
Peg	N.G.	" "	−4.59	26.54						
+50				6+35	6.3	24.8	7.0	24.1	7.3	23.8

G J Rennie Rod
G Lambert Chain

Aug. 27 04

	±	H.I.	Elev.
83		31.13	0+85
+58			1+35
Bey.	-7.66 +0.97	24.44	23.47
84			1+85
+50			2+35
85			2+85
+50			3+35
86			3+85
+50			4+35
87			4+85
+16.5 E. line Allison St.			5+00
+50 Along Motor band			
+55 Cut " Track. Base of rail			
+96.5 W. line Allison St.			0.0
88			0+05
+50			0+55
Bey	-6.87 +7.31	24.88	17.57

Mass. Ave

N. Rod	N. Elev.	C Rod	C Elev	S. Rod	S. Elev
7.1	24.0	7.7	23.4	8.4	22.7
7.7	23.4	8.4	22.7	9.0	22.1
1.8	22.6	2.4	22.0	3.1	21.3
2.7	21.7	3.3	21.1	3.6	20.8
3.4	21.0	4.1	20.3	4.6	19.8
3.9	20.5	5.0	19.4	5.3	19.1
4.2	20.2	5.5	18.9	6.0	18.4
4.6	19.8	6.1	18.3	6.4	18.0
5.3	19.1	6.5	17.9	7.4	17.0
5.5	18.9			7.8	16.6
4.0	20.4	5.0	19.4	5.7	18.7
		4.4	20.0		
6.2	18.2			8.0	16.4
6.4	18.0	7.3	17.1	7.8	16.6
6.4	18.0	7.5	16.9	7.1	17.3

G.J. Rennie Rod
G. Lambert Chain Aug. 27 04

		±	H.I.	Elev
89			24.88	1+05
+50				1+55
90				2+05
+50				2+55
91				3+05
+50				3+35
92				
+10	Edge of Bank.			

Mass. Ave

N		C		S	
Rod	Elev	Rod	Elev	Rod	Elev
7.3	17.6	7.6	17.3	7.5	17.4
6.6	18.3	6.6	18.3	6.6	18.3
5.3	19.6	5.2	19.7	5.5	19.4
4.0	20.9	4.8	20.1	5.3	19.6
4.1	20.8 21.2	4.2	20.7 21.0	4.6	20.3 20.5
3.3	21.6	3.7	21.2	4.3	20.6
3.0	21.9	2.5	22.4	4.2	20.7
3.2	21.7	3.2	21.7	5.6	19.3

Levels on ~~Vermont~~ Emerald Ave
Beginning at the East
line of Pendleton St. &
running West to the Ocean
G J Rennie Rod
G Lambert Chain

Aug. 25 04

	I	H.I.	Elev.
Plug. N.E. Cor. Pendleton	+5.77	73.93	68.16
O E. line Pembleton St.			
+50			
+80 W.. " "			
1			
+50			
2			
+50			
3			
+50			
4			
+50			
5			
+50			

Emerald Vermont Ave.

N. Rod	N. Elev.	C Rod	C Elev.	S Rod	S Elev.
5.8	68.1	5.6	68.3	6.0	67.9
3.9	70.0	4.8	69.1	5.9	68.0
3.5	70.4			6.1	67.8
3.7	70.2	5.2	68.7	6.9	67.0
4.0	69.9	5.7	68.2	7.4	66.5
3.8	70.1	5.9	68.0	7.5	66.4
4.1	69.8	5.6	68.3	6.8	67.1
4.6	69.3	6.1	67.8	8.0	65.9
4.8	69.1	6.6	67.3	8.7	65.2
3.8	70.1	5.9	68.0	8.5	65.4
5.4	68.5	7.8	66.1	10.8	63.1
6.0	67.9	7.6	66.3	9.3	64.6
3.8	70.1	4.2	69.7	5.9	68.0

G J Runnie Rod
G Lambert Chain

Aug 25 04

		±	H.I.	Elev.
+79.5	E. line Olney St.		73.93	
6				
Peg. Plug S.E. Cor. " "		-4.42 +12.14	81.66	69.52
+50				
+59.5	W. line " "			
7				
+50				
8				
+50				
9				
Peg.		-2.30 +6.64	86.00	79.36
+50				
10				
+50				
11				
+50				
+59	E. line Noyes St			
Peg at N.E. Cor. " "		-7.76		78.24

Vermont Ave.

N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
2.7	71.2			4.4	69.5
1.5	72.4	2.5	71.4	4.0	69.9
8.7	73.0	9.5	72.2	9.2	72.5
8.4	73.3	~~9.5~~		8.6	73.1
7.2	74.5	7.0	74.7	6.5	75.2
4.7	77.0	5.0	76.7	6.1	75.6
3.2	78.5	4.3	77.4	5.7	76.0
1.7	80.0	2.3	79.4	3.4	78.3
0.1	81.7	0.9	80.8	2.2	79.5
2.5	83.5	4.4	81.6	8.0	78.0
1.5	84.5	3.8	82.2	9.3	76.7
1.6	84.4	3.4	82.6	10.4	75.6
2.2	83.8	5.1	80.9	9.4	76.6
6.4	79.6	9.6	76.4	11.9	74.1
7.8	78.2			12.1	73.9

G.G. Rennie Rod Aug 25 '04
G. Lambert Chain

		±	H.I.	Elev
12			86.00	
+39	W. line Noyes St.			
+50				
13				
+50				
Peg		−5.99 +10.41	90.42	80.01
14				
+50				
15				
+50				
16				
+50				
17				
+38.	E. line Morell St.			
+50				
18				
+18	W. " " "			
B.M.	Spk fence Post. S.W. Cor. " "	−4.99		85.43

Vermont Ave.

N Rod	N Elev	C Rod	C Elev.	S Rod	S Elev
8.2	77.8	9.3	76.7	10.5	75.5
7.6	78.4			10.2	75.8
7.6	78.4	8.9	77.1	9.8	76.2
7.2	78.8	8.0	78.0	9.1	76.9
6.3	79.7	7.7	78.3	8.8	77.2
10.4	80.0	11.7	78.7	12.7	77.7
9.8	80.6	10.7	79.7	11.6	78.8
8.4	82.0	9.1	81.3	9.6	80.8
6.5	83.9	6.4	84.0	7.9	82.5
3.6	86.8	5.1	85.3	7.0	83.4
6.7	83.7	7.8	82.6	9.8	80.6
4.8	85.6	6.8	83.6	7.7	82.7
3.4	87.0	~~4.8~~		5.7	84.7
3.1	87.3	4.8	85.6	5.6	84.8
3.2	87.2	4.7	85.7	5.8	84.6
2.9	87.5			5.7	84.7

G J Rennie Rod Aug 25 04

Lambert Chain

			±	H.I.	Elev
18+50				90.42	
19					
Peg			− 0.66 +12.95	102.71	89.76
+50					
20					
+50					
21					
+50					
22					
+50					
23					
+17.5	E. line	Lamont St.			
B.M.	Fence Post	S.E. Cor. Lamont St.	− 2.63 + 4.18	104.26	100.08
+50					
+97.5	W. line	" "			
24					
+50					

Vermont Ave

14

N Rod	N Elev	C Rod	C Elev.	S Rod	S Elev.
2.7	87.7	3.8	86.6	4.7	85.7
0.3	90.1	2.0	88.4	2.7	87.7
11.7	91.0	13.1	89.6	13.2	89.5
10.3	92.4	11.5	91.2	12.0	90.7
7.5	95.2	9.2	93.5	10.2	92.5
2.9	99.8	4.3	98.4	6.9	95.8
+0.6	103.31	1.6	101.1	4.3	98.4
+0.3	103.01	2.1	100.5	3.4	99.3
1.8	100.9	4.1	98.6	4.8	97.9
2.5	100.2	3.3	99.4	4.0	98.7
2.1	100.6			3.3	99.4
2.6	101.7	2.8	101.5	4.1	100.2
1.2	103.1			2.5	101.8
1.2	103.1	1.7	102.6	2.4	101.9
1.8	102.5	2.2	102.1	2.9	101.4

G J Runnie Rod
G Lambert Chain

Aug 25 04

			±	H.I.	Elev
25				104.26	
+50					
26					
+50					
27					
+50					
28					
+50					
29					
Peg			−12.53 +4.27	96.00	91.73
+50					
30					
+50					
31					
+50					
32					
Peg			−12.51 +2.52	86.01	83.49
+50					

Vermont Ave

N Rod	N Elev.	C Rod	C Elev.	S Rod	S Elev.
2.8	101.5	3.4	100.9	2.7	101.6
3.4	100.9	4.1	100.2	3.9	100.4
5.2	99.1	5.6	98.7	5.0	99.3
7.0	97.3	7.1	97.2	6.5	97.8
8.1	96.2	8.4	95.9	8.4	95.9
8.6	95.7	9.4	94.9	10.0	94.3
8.4	95.9	9.5	94.8	10.9	93.4
8.7	95.6	10.2	94.1	11.4	92.9
8.8	95.5	11.0	93.3	12.5	91.8
0.3	95.7	3.4	92.6	5.6	90.4
1.6	94.4	5.1	90.9	6.9	89.1
4.4	91.6	6.9	89.1	8.8	87.2
6.8	89.2	8.9	87.1	10.5	85.5
8.4	87.6	10.1	85.9	12.1	83.9
10.6	85.4	12.6	83.4	14.0	82.0
2.7	83.3	4.0	82.0	5.5	80.5

G J Rennie Rod
G Lambert Chain

Aug 25 04

			±	H.I.	Elev.
33				86.01 ✓	
+50					
34					
+50					
+77	E. line Jewel St				
Plug N.E. Cor.		" "	-3.22		82.79
35					
+50					
+57	W. "	" "			
36					
+50					
37					
+50					
38					
Peg			-6.65 +1.54	80.90	79.36 ✓
+50					
39					
+50					

Vermont Ave.

N. Rod	N. Elev	C Rod	C Elev	S Rod	S Elev.
4.1	81.9	5.1	80.9	6.5	79.5
4.5	81.5	5.8	80.2	7.2	78.8
4.0	82.0	5.4	80.6	6.8	79.2
3.4	82.6	4.8	81.2	6.3	79.7
3.2	82.8			6.25	79.8
3.1	82.9	4.5	81.5	6.1	79.9
3.2	82.8	4.8	81.2	6.2	79.8
3.2	82.8			5.9	80.1
3.4	82.6	5.2	80.8	5.7	80.3
4.0	82.0	5.5	80.5	6.4	79.6
4.3	81.7	6.0	80.0	6.6	79.4
4.6	81.4	6.3	79.7	7.0	79.0
4.9	81.1	6.5	79.5	7.1	78.9
0.5	80.4	2.1	78.8	2.7	78.2
1.1	79.8	2.5	78.4	3.5	77.4
1.7	79.2	3.3	77.6	4.0	76.9

G J Rennie Rod
G Lambert Chain

Aug 25 '21

		±	H.I.	Elev.
40			80.90	
+50				
+55	E. line Broadway			
B.M. Nails	S.E. Cor. " in Fence Post	−4.25		76.65
41				
+50				
+55	W. line Broadway			
42				
+50				
43				
Peg		−6.19 +3.99	78.70	74.71
+50				
44				
+50				
45				
+50				
46				
+50				

Vermont Ave.

17

N Rod	N Elev	C Rod	C Elev.	S Rod	S Elev.
2.2	78.7	4.0	76.9	4.6	76.3
3.2	77.7	4.4	76.5	5.3	75.6
3.2	77.7			5.4	75.5
4.1	76.8	5.1	75.8	6.3	74.6
4.9	76.0	5.6	75.3	6.2	74.7
5.0	75.9			6.2	74.7
5.9	75.0	6.3	74.6	6.7	74.2
5.9	75.0	6.7	74.2	7.1	73.8
6.3	74.6	6.9	74.0	7.4	73.5
4.3	74.4	4.9	73.8	5.2	73.5
4.5	74.2	5.0	73.7	5.2	73.5
4.7	74.0	5.4	73.3	5.7	73.0
4.8	73.9	5.7	73.0	5.9	72.8
4.9	73.8	5.5	73.2	5.7	73.0
5.0	73.7	5.4	73.3	5.9	72.8
5.0	73.7	5.4	73.3	5.9	72.8

G. J. Rennie Rod.
G. Lambert Chain

Aug. 25 '04

		±	H.I.	Elev.
+54.6	E. line Haines St		78.70	
47				
+34.6	W. " " "			
+50				
Cent. of Vermont Ave + 47+34 Peg.	W. line Haines St.	-5.41 +2.84	76.13	73.29
48				
+50				
49				
+50				
50				
+50				
51				
+50				
52				
Peg		-11.53 +1.92	66.52	64.60
+33	E. line Gresham St.			
+50				
53				

Vermont Ave

N Rod	N Elev	C Rod	C Elev.	S Rod	S Elev
5.0	73.7			5.9	72.8
5.0	73.7	5.5	73.2	5.7	73.0
5.3	73.4			6.1	72.6
5.4	73.3	5.1	73.6	5.9	72.8
2.9	73.2	3.0	73.1	2.9	73.2
3.5	72.6	3.0	73.1	2.5	73.6
3.3	72.8	3.2	72.9	3.0	73.1
3.7	72.4	4.1	72.0	4.1	72.0
5.3	70.8	5.4	70.7	5.4	70.7
6.7	69.4	7.1	69.0	7.4	68.7
8.3	67.8	8.8	77.3	9.0	67.1
9.9	66.2	10.7	65.4	11.2	64.9
10.6	65.5	11.2	64.9	12.2	63.9
1.9	64.6			3.2	63.3
2.4	64.1	3.1	63.4	3.6	62.9
3.0	63.5	3.8	62.7	4.6	61.9

G. J. Rennie Rod
G. Lambert Chain

Aug. 25 '04

		±	H.I.	Elev.
53+13	W. line Gresham St.		66.52	
Peg	Cent. Vermont + W. line Gresham St.	−3.79		62.73
+50				
54				
+50				
55				
+50				
56				
+50				
57				
+50				
Peg		−8.51 +4.93	62.94	58.01
58				
+13	E. line Tannel St.			
+50				
+93	W. " " "			
59				
Peg	Cent. Vermont Ave + W. line Tannel St.	−4.51		58.43

Vermont Ave

N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
3.2	63.3			4.6	61.9
3.7	62.8	4.6	61.9	5.2	61.3
4.0	62.5	5.1	61.4	5.6	60.9
4.5	62.0	5.5	61.0	6.3	60.2
4.8	61.7	5.6	60.9	6.4	60.1
5.1	61.4	5.7	60.8	6.5	60.0
5.1	61.4	5.7	60.8	6.6	59.9
6.1	60.4	6.6	59.9	7.0	59.5
6.2	60.3	7.0	59.5	7.7	58.8
6.6	59.9	7.4	59.1	8.2	58.3
3.2	59.7	4.1	58.8	4.9	58.0
3.3	59.6			5.0	57.9
3.0	59.9	4.0	58.9	5.1	57.8
3.6	59.3			5.3	57.6
3.7	59.2	4.7	58.2	5.5	57.4

G. G. Lemmie Rod.
G. Lambert Chain

Aug. 25 04

		±	H.I.	Elev
59+50			62.941	
60				
+50				
61				
+50				
62				
+50				
63				
+50				
Peg.		-9.93 +2.71	55.72	53.01
+93	E. line Evarts St.			
64				
Cut. Peg.	Vermont + E. line Evarts St.	-1.62		54.10
+50				
+73	W.			
65				
+50				

Vermont Ave.

N.		C.		S.	
Rod	Elev.	Rod	Elev.	Rod	Elev.
4.0	58.9	5.1	57.8	6.0	56.9
4.3	58.6	5.2	57.7	5.8	57.1
4.8	58.1	5.5	57.4	6.4	56.5
5.1	57.8	6.1	56.8	6.9	56.0
5.6	57.3	6.6	56.3	7.5	55.4
6.3	56.6	7.1	55.8	7.9	55.0
6.9	56.0	7.3	55.6	8.6	54.3
7.5	55.4	8.4	54.5	9.2	53.7
8.0	54.9	8.8	54.1	10.0	52.9
0.7	55.02			2.9	52.8
0.7	55.0	1.8	53.9	2.8	52.9
1.1	54.6	2.0	53.7	3.1	52.6
1.3	54.42			3.4	52.3
1.7	54.0	2.8	52.9	3.9	51.8
2.0	53.7	3.2	52.5	4.2	51.5

G. J. Rennie Rod
G. Lambert Chain

Aug. 25. 04

		±	H.I.	Elev.
66			55.72	
+50				
67				
+50				
68				
+50				
69				
+50				
+73	E. line Dawes St.			
70				
Reg. Bldg. N.W. Cor.	" "	−9.77 +1.36	47.31	45.95
+53	W. line " "			
71				
+50				
72				
+50				
73				
+50				

Vermont Ave.

N Rod	N Elev.	C Rod	C Elev.	S Rod	S Elev.
2.4	53.3	3.4	52.3	4.5	51.2
3.0	52.7	3.8	51.9	4.8	50.9
3.7	52.0	4.7	51.0	5.3	50.4
5.0	50.7	5.7	50.0	6.5	49.2
6.0	49.7	6.8	48.9	7.5	48.2
6.7	49.0	7.2	48.5	8.6	47.1
7.4	48.3	7.9	47.8	9.2	46.5
8.1	47.6	8.4	47.3	9.4	46.3
8.5	47.2			9.8	46.9
9.0	46.7	9.4	46.3	9.9	45.8
				S.W. Cor. on Squirrel Mound.	
1.4	45.9	2.1	45.2	0.3	47.0
2.0	45.3	2.6	44.7	2.9	44.4
3.2	44.1	3.4	43.9	3.9	43.4
3.8	43.5	4.2	43.1	4.5	42.8
4.4	42.9	4.8	42.5	5.3	42.0
4.7	42.6	5.6	41.7	5.8	41.5
5.9	41.4	6.4	40.9	6.6	40.7

G J Rennie Rod
G Lambert Chain

Aug. 25, 04

			±	H.I.	Elev.
74				47.31 ✓	
+50					
75					
+52.3 E. line Cass St					
76					
+32.3 W. "	"	"			
Plug S.W. Cor.	"	"	−10.51		36.80
+50					0+20
77					0+70
Peg at Sta. 87		×	−11.14 +1.55	37.72	36.17
+50					1+20
78					1+70
+50					2+20
79					2+70
+50					3+20
80					3+70
+50					4+20

Vermont Ave.

N. Rod	N. Elev	C Rod	C Elev	S Rod	S Elev.
6.7	40.6	7.0	40.3	7.1	40.2
7.3	40.0	7.8	39.5	8.1	39.2
7.7	39.6	8.4	38.9	8.8	38.5
8.5	38.81	9.1	38.2	9.5	37.81
8.6	38.7	9.3	38.0	10.0	37.3
9.6	37.71			10.5	35.81
9.9	37.4	10.5	36.8	10.8	36.5
10.6	36.7	11.1	36.2	11.6	35.7
Quit Aug. 25 04					
Begun " 27 "					
1.5	36.2	2.4	35.3	2.7	35.0
2.0	35.7	2.7	35.0	3.7	34.0
2.9	34.8	3.5	34.2	4.3	33.4
2.5	35.2	3.4	34.3	4.9	32.8
4.0	33.7	4.7	33.0	5.5	32.2
4.6	33.1	5.6	32.1	6.0	31.7
5.3	32.4	6.1	31.6	6.8	30.9

G J Runie Rod
G Lambert Chain

Aug 27 04

Vermont Ave

		±	H.I.	Elev	N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
81			37.72	4+70	6.0	31.7	6.8	30.9	7.3	30.4
+31.8	E. line Bayard St.			5+00	6.2	31.5			7.9	29.8
+50					6.4	31.3	7.2	30.5	7.7	30.0
82					6.4	31.3	7.4	30.3	8.4	29.3
+11.8	W " " "				6.6	31.1			8.6	29.1
Peg S.W. Cor Plug	" "	-8.62 +2.60	31.70	29.10						
+50				0+40	0.9	30.8	1.9	29.8	2.0	29.7
83				0+90	1.2	30.5	1.8	29.9	2.8	28.9
+50				1+40	2.1	29.6	2.9	28.8	3.7	28.0
84				1+90	2.6	29.1	3.6	28.1	4.3	27.4
+50				2+40	2.7	29.0	3.6	28.1	4.2	27.5
85				2+90	3.2	28.5	4.1	27.6	5.0	26.7
+50				3+40	3.8	27.9	4.6	27.1	5.4	26.3
86				3+90	4.5	27.2	5.3	26.4	5.9	25.8
+50				4+40	4.9	26.8	5.8	25.9	6.6	25.1
87				4+90	5.2	26.5	6.2	25.5	6.8	24.9
+11	E. line Allison St.			5+00	5.7	26.0			7.0	24.7
Plug S.E. Cor.	" "	-6.97 +4.94	29.67	24.73						

G J Rennie Rod
G Lambert Chain

Aug 27 04

Vermont Ave

		±	H.I.	Elev.	N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
87+50	Top of Ties.		29.67		2.1	27.6	2.9	26.8	3.5	26.2
87+50.7	Cut Motor line									
87+91	W. line Allison St.			0-0	3.5	26.2			5.4	24.3
88				0+10	3.8	25.9	4.9	24.8	5.6	24.1
+50				0+60	4.2	25.5	5.4	24.3	6.2	23.5
89				1+10	3.7	26.0	4.3	25.4	5.1	24.6
+50				1+60	3.4	26.3	4.0	25.7	4.9	24.8
90				2+10	3.5	26.2	4.5	25.2	5.5	24.2
+50				2+60	3.9	25.8	4.9	24.8	5.8	23.9
91				3+10	3.2	26.5	4.2	25.5	4.8	24.9
+50				3+60	2.6	27.1	3.3	26.4	4.2	25.5
92					2.4	27.3	3.2	26.5	3.8	25.9
+43	Edge of Bank				3.6	26.1	3.1	26.6	2.1	27.6

Levels on Thomas Ave,
Beginning on the East line
of Pendleton St. & running
West to the Ocean.

G J Rennie Rod Aug 26 04
G Lambert Chain

	±	H.I.	Elev
Pluy. S.W. Cor. Pendleton St.	+12.63	18.39	5.76
0 E. line Pendleton St.			
+50			
+80			
1			
+50			
2			
+50			
3			
+50			
4			
+50			
5			
+50			

Thomas Ave

N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
10.9	7.5	11.9	6.5	13.0	5.4
10.2	8.2	11.5	6.9	13.0	5.4
9.4	9.0			12.6	5.8
9.2	9.2	10.5	7.9	11.9	6.5
8.2	10.2	9.4	9.0	10.4	8.0
6.9	11.5	8.1	10.3	9.2	9.2
5.9	12.5	7.0	11.4	7.9	10.5
4.3	14.1	5.7	12.7	6.5	11.9
3.5	14.9	4.4	14.0	5.3	13.1
2.6	15.8	3.7	14.7	5.0	13.4
2.5	15.9	3.9	14.5	5.4	13.0
2.0	16.4	3.8	14.6	5.2	13.2
1.9	16.5	3.1	15.3	4.1	14.3

G J Rumie Rod
G Lambert Chain

Aug. 26 04

		±	H.I.	Elev.
5+80	E. line Olney St.		18.39	
Pey. N.E. Cor. Olney St.		−0.58 +12.24	30.05	17.81
6				
+50				
+60	W. line " "			
7				
+50				
8				
+50				
9				
+50				
Pey		−0.61 +6.04	35.48	29.44
10				
+50				
11				
+50				
+59	E. line Noyes St.			
12				

Thomas Five

N Rod	N Elev.	C Rod	C Elev.	S Rod	S Elev.
0.6	17.8			2.7	15.7
10.7	19.3	12.2	17.8	13.0	17.0
7.0	23.0	8.5	21.5	10.0	20.0
6.3	23.7			9.7	20.3
4.6	25.4	6.8	23.2	9.1	20.9
3.2	26.8	6.7	23.3	8.7	21.3
3.0	27.0	6.2	23.8	8.1	21.9
3.5	26.5	5.1	24.9	7.0	23.0
2.9	27.1	4.3	25.7	3.7	26.3
0.6	29.4	1.8	28.2	+0.3	30.35
3.8	31.7	3.6	31.9	3.6	31.9
1.6	33.9	2.3	33.2	3.4	32.1
1.0	34.5	1.8	33.7	2.8	32.7
2.0	33.5	2.7	32.8	3.6	31.9
2.4	33.1			4.2	31.3
4.8	30.7	5.8	29.7	6.7	28.8

G Rennie Rod
G Lambert Chain

Aug. 26.04

Thomas Ave

		±	H.I.	Elev	N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
12+39	W. line Noyes St.		35.48		7.1	28.4			9.6	25.9
+50					7.9	27.6	9.3	26.2	10.8	24.7
N.W. Cor.	Plug " "	-7.11		28.37						
13				←	10.4	25.1	12.0	23.5	13.6	21.9
+50					12.0	23.5	13.2	22.3	14.3	21.2
Pey		-11.96 +10.27	33.79	23.52						
14					10.3	23.5	11.4	22.4	12.5	21.3
+50					8.6	25.2	9.9	23.9	11.8	22.0
15					5.7	28.1	9.0	24.8	12.4	21.4
+50					5.9	27.9	10.1	23.7	12.5	21.3
16					6.6	27.2	9.9	23.9	10.4	23.4
+50					7.5	26.3	8.5	25.3	6.5	27.3
17					6.1	27.7	4.1	29.7	2.0	31.8
+38	E. line Morell St.				3.1	30.7			+0.4	34.19
Plug N.E. Cor.	Morell St.	-3.14 +12.10	42.75	30.65						
+50					10.6	32.1	9.0	33.7	8.1	34.6
18					7.2	35.5	6.9	35.8	6.7	36.0
+18	W. line Morell St.				6.5	36.2			6.7	36.0

G. J. Rennie Rod
G. Lambert Chain

Aug. 26 04

		#	H.I.	Elev
18+50			42.75	
19				
+50				
20				
+50				
21				
+50				
22				
+50				
23				
+18.5	E. line Lamont St.			
Peg. Plug	N.E. Cor.	" "	−1.71 +13.03	54.07	41.04
+50				
+98.5	W. line	" "		
24+50				
25				
+50				

Thomas Ave 28

N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
5.3	37.4	6.0	36.7	6.6	36.1
4.5	38.2	5.5	37.2	5.9	36.8
3.9	38.8	4.8	37.9	5.4	37.3
4.5	38.2	5.0	37.7	5.5	37.2
6.4	36.3	6.8	35.9	7.0	35.7
9.3	33.4	9.9	32.8	10.5	32.2
9.1	33.6	10.6	32.1	11.7	31.0
7.5	35.2	8.6	34.1	10.1	32.6
6.2	36.5	7.2	35.5	7.6	35.1
2.2	40.5	3.0	39.7	3.1	39.6
1.7	41.0			2.5	40.2
11.7	42.4	12.0	42.1	12.5	41.6
9.8	44.3	10.7	43.4	11.1	43.0
8.3	45.8	8.5	45.6	8.8	45.3
6.2	47.9	6.6	47.5	7.2	46.9
4.8	49.3	5.8	48.3	6.1	48.0

G. Rennie Rod
E. Lambert Chain

Aug 26 '04

	±	H.I.	Elev
26		54.07	
+50			
27			
+50			
28			
+50			
Peg	−0.50 +7.22	60.79	53.57
+99 E. line Kendall St.			
29+50			
+79 W " " "			
30			
+50			
31			
+50			
32			
+50			
33			
+50			

Thomas Ave.

N		C		S	
Rod	Elev	Rod	Elev	Rod	Elev
4.2	49.9	4.9	49.2	5.4	48.7
3.4	50.7	4.5	49.6	5.0	49.1
3.2	50.9	3.9	50.2	4.3	49.8
2.8	51.3	3.6	50.5	3.8	50.3
2.3	51.8	2.9	51.2	3.3	50.8
1.5	52.6	1.9	52.2	2.1	52.0
7.0	53.8	7.5	53.3	7.6	53.2
5.5	55.3	5.8	55.0	6.2	54.6
5.0	55.8			5.5	55.3
4.1	56.7	4.5	56.3	5.1	55.7
2.9	57.9	3.5	57.3	3.5	57.3
2.5	58.3	2.8	58.0	3.4	57.4
2.2	58.6	2.6	58.2	2.5	58.3
2.7	58.1	2.7	58.1	3.5	57.3
4.0	56.8	3.0	57.8	2.4	58.4
4.3	56.5	2.9	57.9	1.9	58.9
7.1	53.7	4.9	55.9	2.8	58.0

G J Rennie Rod
G Lambert Chain

Aug. 26 04

Thomas Ave.

			I	H.I.	Elev	N Rod	N Elev.	C Rod	C Elev	S Rod	S Elev.
34				60.79		11.5	49.3	8.2	52.6	5.0	55.8
+50						13.5	47.3	10.7	50.1	7.6	53.2
Pey		−12.19 + 4.30		52.90	48.60						
+77	E. line Jewell St.					6.1	46.8			0.8	52.1
35						6.3	46.6	6.4	46.5	2.8	50.1
+50						6.6	46.3	5.7	47.2	4.4	48.5
+57	W " " "					6.6	46.3			5.0	47.9
36						6.3	46.6	6.1	46.8	6.0	46.9
+50						6.4	46.5	6.5	46.4	7.2	45.7
37						6.5	46.4	7.1	45.8	7.6	45.3
+50						6.7	46.2	7.4	45.5	8.6	44.3
38						7.4	45.5	8.2	44.7	9.3	43.6
+50						7.7	45.2	8.5	44.4	9.6	43.3
39						7.7	45.2	8.3	44.6	9.5	43.4
+50						7.6	45.3	8.2	44.7	9.3	43.6
40						6.8	46.1	7.3	45.6	8.3	44.6
+50						5.4	47.5	5.9	47.0	6.6	46.3

G J Rennie Rod
G Lambert Chain

Aug 26 & 29 04

			±	H.I.	Elev
40+57	E. line Broadway			52.90	
4.1					
+50					
+57	W. "	"			
Plug N. W. Cor.		"	-1.40 +8.10	59.60	51.50
42					
+50					
43					
+50					
44					
+50					
45					
+50					
46					
+50					
+57	E line Haines St.				
47					
+37	W. "	" "			

Thomas Ave.

N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
5.4	47.5			6.4	46.5
3.6	49.3	4.3	48.6	4.8	48.1
1.7	51.2	1.9	51.0	2.7	50.2
1.4	51.5			2.6	50.3
	Quit Aug. 26 '04				
6.4	53.2	7.0	52.6	7.0	52.6
4.6	55.0	5.0	54.6	6.0	53.6
3.0	56.6	4.0	55.6	5.4	54.2
2.3	57.3	3.1	56.5	4.7	54.9
2.3	57.3	3.0	56.6	4.6	55.0
2.5	57.1	3.7	55.9	4.7	54.9
2.8	55.8	3.8	55.8	5.3	54.3
2.7	56.9	3.7	55.9	5.2	54.4
2.5	57.1	3.3	56.3	4.5	55.1
2.7	56.9	3.4	56.2	4.3	55.3
2.8	56.8			4.3	55.3
3.5	56.1	4.0	55.6	4.7	54.9
4.5	55.1			5.9	53.7

G J Rennie Rod
G Lambert Chain

Aug 29 '04

Thomas Ave

		±	H.I.	Elev	N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
Peg Plug	N.W. Cor. Haines St.	-4.51 +0.51	59.60 55.60	55.09						
47+50					1.1	54.5	1.6	54.0	3.2	52.4
48					4.9	50.7	5.1	50.5	5.6	50.0
+50					6.8	48.8	7.5	48.1	8.3	47.3
49					8.4	47.2	9.4	46.2	9.9	45.7
+50					10.1	45.5	10.7	44.9	11.5	44.1
50					11.9	43.7	12.8	42.8	13.5	42.1
Peg		-12.99 +0.12	42.73	42.61						
+50					1.0	41.7	1.8	40.9	2.6	40.1
51					3.1	39.6	3.7	39.0	4.4	38.3
+50					4.4	38.3	5.0	37.7	5.2	37.5
52					4.9	37.8	5.4	37.3	5.9	36.8
+36	E. line Gresham St.				5.1	37.6			6.1	36.6
Plug	N.E. Cor. " "	-5.06		37.67						
+50					5.2	37.5	5.6	37.1	6.3	36.4
53					5.3	37.4	5.7	37.0	6.3	36.4
+16	W. line Gresham St.				5.0	37.7			6.3	36.4
+50					5.1	37.6	5.5	37.2	6.2	36.5

G J Rennie Rod
G Lambert Chain

Aug 29, 04

		±	H. I.	Elev
54			4273	
+50				
55				
+50				
56				
+50				
Pcg		−9.72 +1.09	34.10	33.01
57				
+50				
58				
+15.6	E. line Tannel St.			
+50				
+95.6	W " " "			
Plug	N.W. Cor. " "	−4.06		30.04
59+50				
60				
+50				

Thomas Ave.

N		C		S	
Rod	Elev	Rod	Elev	Rod	Elev
5.4	37.3	5.6	37.1	6.5	36.2
5.6	37.1	6.1	36.6	6.5	36.2
6.0	36.7	6.4	36.3	7.2	35.5
7.0	35.7	7.3	35.4	8.0	34.7
8.3	34.4	8.2	34.5	9.0	33.7
9.0	33.7	9.2	33.5	9.7	33.0
1.2	32.9	1.4	32.7	2.0	32.1
1.9	32.2	2.2	31.9	2.7	31.4
2.7	31.4	2.7	31.4	3.4	30.7
3.0	31.1			3.5	30.6
3.5	30.6	3.5	30.6	3.9	30.2
4.1	30.0	4.1	30.0	4.3	29.8
4.8	29.3	5.0	29.1	5.5	28.6
5.5	28.6	5.8	28.3	6.1	28.0
6.2	27.9	6.3	27.8	6.8	27.3

G J Rennie Rod
G Lambert Chain

Aug. Aug 29 04

Thomas Ave.

			I	H.I.	Elev.	N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
61				34.10		6.5	27.6	6.8	27.3	7.2	26.9
+50						6.7	27.4	7.2	26.9	7.8	26.3
62						6.8	27.3	7.2	26.9	8.3	25.8
+50						6.2	27.9	7.5	26.6	8.6	25.5
Peg			-8.09 +2.91	28.92	26.01						
63						0.1	28.8	1.3	27.6	2.9	26.0
+50						0.0	28.9	0.6	28.3	1.7	27.2
+95	E. line Evarts St.					0.5	28.4	1.0	27.9	2.0	26.9
64+50						1.2	27.7	1.8	27.1	2.5	26.4
+75	W "	" "				1.7	27.2			2.7	26.2
N.W.	Cor Plug	" "	-1.74		27.18						
65						2.0	26.9	2.7	26.2	3.1	25.8
+50						3.9	25.0	4.4	24.5	4.6	24.3
66						6.4	22.5	6.8	22.1	6.8	22.1
+50						9.0	19.9	9.3	19.6	9.5	19.4
67						10.6	18.3	10.7	18.2	11.0	17.9
+50						11.1	17.8	11.8	17.1	12.4	16.5
Peg			-12.81 +6.28	22.39	16.11						

G J Runnie Rod
G Lambert Chain

Aug. 29 + 30

	I	H. I.	Elev.
68		22.39	
+50			
69			
+50			
+75 E. line Davis St.			
70			
Pkey N.E. Cor. " "	-5.47		16.92
+55 W. Line " "			
71			
+50			
72			
+50			
73			
+50			
74			
Peg at Sta. 74	-8.96 +3.01	16.44	13.43
+50			

Thomas Ave.

N		C		S	
Rod	Elev	Rod	Elev.	Rod	Elev
5.0	17.4	5.6	16.8	6.3	16.1
5.3	17.1	6.0	16.4	6.6	15.8
6.0	16.4	6.5	15.9	6.8	15.6
5.9	16.5	7.1	15.3	7.3	15.1
5.5	16.89			7.5	14.89
5.4	17.0	6.5	15.9	7.8	14.6
5.4	16.99	6.2	16.2	7.0	15.39
5.6	16.79	6.3	16.1	6.9	15.5
5.6	16.8	6.2	16.2	6.9	15.5
6.3	16.1	6.6	15.8	7.2	15.2
6.9	15.5	7.0	15.4	7.7	14.7
7.4	15.0	7.8	14.6	8.1	14.3
8.0	14.4	8.3	14.1	8.8	13.6
8.5	13.9	9.0	13.4	9.2	13.2
Quit Aug 29		OK			
3.0	13.4	3.4	13.0	3.3	13.1
				~~4.3~~	

G J Rennie Rod — Aug 30 '04 — Thomas Ave.

G Lambert Chain

		I	H.I.	Elev.	N Rod	N Elev	C Rod	C Elev.	S Rod	S Elev
75			16.44		3.3	13.1	3.8	12.6	4.3	12.1
+50					3.3	13.1	4.1	12.3	4.6	11.8
+54.5	E. line Cass St.				3.3	13.1			4.6	11.8
76					4.2	12.2	4.4	12.0	4.8	11.6
+34.6	W " " "				4.2	12.2			4.9	11.5
+50				0+15	4.2	12.2	4.8	11.6	5.2	11.2
77				0+65	4.7	11.7	5.0	11.4	5.4	11.0
+50				1+15	5.2	11.2	5.2	11.2	5.7	10.7
78				1+65	5.8	10.6	6.0	10.4	6.3	10.1
+50				2+15	6.3	10.1	6.4	10.0	6.6	9.8
79				2+65	6.7	9.7	7.1	9.3	7.1	9.3
+50				3+15	7.4	9.0	7.5	8.9	7.8	8.6
80				3+65	7.9	8.5	8.1	8.3	8.5	7.9
Peg.		-7.90 +0.68	9.22	8.54						
+50				4+15	1.2	8.0	1.6	7.6	1.7	7.5
81				4+65	2.0	7.2	2.2	7.0	2.5	6.7
+34	E. line Bayard St.			5+00	2.5	6.7			3.2	6.0
Plug	S.E. Cor. " "	-3.17								

G J Rennie Rod
G Lambert Chain

Aug 30 04

Thomas Ave

S 37

			±	H.I.	Elev.	N Rod	N Elev	C Rod	C Elev	S Rod	S Elev.
81+50				9.22	+15	2.7	6.5	3.2	6.0	3.4	5.8
82					+65	3.0	6.2	3.3	5.9	3.6	5.6
+14	West line	Bayard St.			+80 0+00	3.2	6.0			3.7	5.5
+50					0+35	3.5	5.7	3.8	5.4	4.0	5.2
83					0+85	3.8	5.4	4.1	5.1	4.2	5.0
+50					1+35	4.4	4.8	5.0	4.2	5.0	4.2
84					1+85	5.0	4.2	5.7	3.5	5.7	3.5
+50					2+35	6.5	2.7	6.9	2.3	6.6	2.6
85					2+85	8.2	1.0	8.4	0.8	8.8	0.4
+50					3+35	7.8	1.4	8.7	0.5	9.1	0.1
86					3+85	8.2	1.0	7.1	2.1	7.6	1.6
+50					4+35	6.2	3.0	6.9	2.3	7.3	1.9
Peg Pkg	S.E. Cor	Allison St.	-7.08 +6.35	315 8.49	2.14						
87					4+85	✓ 5.7	2.8	5.8	2.7	6.5	2.0
+13.8	E. line	" "			5+00	5.7	2.8			6.4	2.1
+50						5.9	2.6	6.2	2.3	6.6	1.9
+93.8	W "	" "				5.6	2.9	5.9	2.6	6.0	2.5
88					0+05	5.7	2.8			6.0	2.5

G J Rennie Rod
G Lambert Chain Aug 30 04

			±	H.I.	Elev
88+50				8.49	0+55
89					1+05
+50					1+55
90					2+05
+50					2+55
91	Drift Sand				3+05
+37	"	"	Shore line		3+15

Thomas Ave.

S38

N. Rod	N. Elev	C. Rod	C. Elev	Rod	Elev
5.7	2.8	5.9	2.6	6.4	2.1
5.6	2.9	6.1	2.4	6.0	2.5
4.8	3.7	5.2	3.3	5.3	3.2
4.7	3.8	4.8	3.7	4.8	3.7
4.1	4.4	4.5	4.0	3.8	4.7
3.2	5.3	2.6	5.9	2.2	6.3
	5.5		6.0		6.2
2.5	6.0	2.3	6.2	2.7	5.8

Levels on Dawes St. Beginning on the So. line of Alabama Ave & running South.

G J Rennie Rod
G Lambert Chain

Aug 27 04

		±	H.I.	Elev.
S.W. Cor. Alabama		+1.16	52.59	51.43
0	So line Alabama Ave.			
+50				
1				
+50				
2				
+50				
+70	N. line Vermont			
N.W. Cor.	"	-6.61		45.98
3				
+50	S " "			
4				
+50				
5				
Peg		-9.37 + 0.90	44.12	43.22

This Elev. reduced from peg on Garnet Ave. levels.

Dawes St.

W 39

E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
0.0	52.6	0.5	52.1	1.2	51.4
1.1	51.5	1.8	50.8	1.9	50.7
2.4	50.2	2.8	49.8	3.3	49.3
4.2	48.4	4.7	47.9	5.2	47.4
5.4	47.2	5.6	47.0	6.4	46.2
4.8	47.8	5.6	47.0	6.3	46.3
5.4	47.2			6.6	46.0
5.8	46.8	6.4	46.2	7.1	45.5
on mound.				on Squirrel Mound.	
5.7	46.9	7.2	45.4	5.5	47.1
7.7	44.9	8.3	44.3	9.0	43.6
8.7	43.9	9.3	43.3	9.6	43.0
9.9	42.7	10.6	42.0	11.0	41.6

G J Rennie Rod
G Lambert Chain.

	±	H.I.	Elev
5+50		44.12	
6			
+19.8 N. line Mass. Ave.			
Plug N.E. Cor, " "	-3.78		40.27 40.34
+50			
+99.8 So. line " "			
7+50			
8			
+50			
9			
+50			
~~10~~			
Peg	-10.85 +1.21	34.48	33.27
+67.5 N. line Garnet Ave.			
10			
Peg on Garnet Ave. levels.	+2.18		32.30
+47.5 N. " " "			

Dawes St.

E Rod	E Elev	C Rod	C Elev	W. Rod	W. Elev
2.4	41.7	3.1	41.0	3.6	40.5
3.4	40.7	3.8	40.3	4.6	39.5
3.8	40.3			4.9	39.2
4.6	39.5	5.0	39.1	5.7	38.4
5.2	38.9	5.3	38.8	6.5	37.6
5.4	38.7	6.5	37.6	7.5	36.6
6.7	37.4	7.2	36.9	8.3	35.8
7.6	36.5	8.2	35.9	9.1	35.0
8.5	35.6	9.3	34.8	9.8	34.3
9.5	34.6	10.1	34.0	10.8	33.3
~~10.9~~		~~11.1~~		~~11.8~~	
0.3	34.2			1.3	33.2
1.2	33.3	1.5	33.0	2.1	32.4
2.3	32.2	2.9	31.6	3.2	31.3

E J Runnin Rod Aug 27 02
G Lambert Chain

		±	H.I.	Elev
11			34.48	
+50				
12				
+50				
13				
+16	N. line Hornblend Ave.			
+50				
Peg + Plug	S.W. Cor. "	-9.82		24.61
		+2.92	27.58	24.66
+96	So. line " "			
14				
+50				
15				
+50				
16				
+50				
+66	N. line Grand Ave.			
17				

Dawes Ave.

E		C		W	
Rod	Elev.	Rod	Elev.	Rod	Elev
3.3	31.2	3.8	30.7	4.5	30.0
4.2	30.3	4.9	29.6	5.5	29.0
5.3	29.2	5.8	28.7	6.3	28.2
6.4	28.1	6.9	27.6	7.3	27.2
7.1	27.4	7.9	26.6	8.4	26.1
7.5	27.0			8.6	25.9
8.0	26.5	8.7	25.8	8.8	25.7
1.9	25.7			2.9	24.7
2.0	25.6	2.5	25.1	3.0	24.6
2.6	25.0	3.2	24.4	3.6	24.0
3.2	24.4	3.6	24.0	4.2	23.4
3.3	24.3	3.8	23.8	4.6	23.0
3.8	23.8	4.4	23.2	5.1	22.5
4.5	23.1	5.2	22.4	5.5	22.1
4.8	22.8			5.7	21.9
5.4	22.2	6.1	21.5	6.4	21.2

G J Rennie Rod
G Lambert Chain

Aug 27 02

17+50		27.58	
			20.03
Plug S.W. Cor Grand Ave	-7.42		20.16
+91 So. line " "			
18			
+50			
19			
Peg	-7.37 +0.75	20.96	20.21
+50			
20			
+50			
+61 N line Thomas Ave			
N. E. Cor Plug. " "	-4.01		16.95
21			
+41 So. line " "			
+50			
22			
+50			

Dawes St.

E		C		W	
Rod	Elev	Rod	Elev	Rod	Elev.
5.4	22.2	5.8	21.8	6.5	21.1
6.4	21.2			7.4	20.2
6.6	21.0	7.2	20.4	7.7	19.9
6.9	20.7	7.6	20.0	8.1	19.5
7.3	20.3	7.8	19.8	8.5	19.1
1.4	19.6	1.9	19.1	2.2	18.8
2.6	18.4	2.7	18.3	2.7	18.3
3.7	17.3	3.7	17.3	3.8	17.2
4.0	17.0			3.9	17.06
5.4	15.6	4.9	16.1	4.7	16.3
6.1	14.86			5.5	15.46
6.2	14.8	6.5	14.5	5.6	15.4
6.9	14.1	7.5	13.5	7.6	13.4
7.5	13.5	8.0	13.0	8.4	12.6

G J Rennie Rod Aug 27, 01
G Lambert Chain

23	20.96	
+50		
24		
+10.5 No. line Reed Ave		
Plug N.E. Cor. " " -9.80		11.16

Quit Aug 27 01

Dawes St.

E		C		W	
Rod	Elev	Rod	Elev	Rod	Elev.
8.4	12.6	8.6	12.4	9.2	11.8
9.0	12.0	9.5	11.5	9.7	11.3
9.9	11.1	10.3	10.7	10.5	10.5
9.8	11.2	10.4	10.6	10.6	10.4

Levels on Reed ave. Beginning at the East line of Pendleton St. & running west to the Ocean.

G J Rennie Rod Aug 29 04

G Lambert Chain

		±	H.I.	Elev.
Plug	S.W. Cor Pendleton + Thomas Ave	+ 3.62	9.38	5.76
0	E. line Pendleton			
+50				
+80	W. line Pendleton			
Plug	S.W. Cor "	-9.64		-0.26
1				
+50				
2				
+50				
3				
+50				
4				
+50				
5				
Peg		-0.50 +12.09	20.97	8.88

Reed Ave

N Rod	N Elev	C Rod	C Elev	S Rod	S Elev.
9.0	0.4	9.5	+ 0.1	9.8	÷ 0.4
9.8	+ 0.4	9.6	+ 0.2	9.5	÷ 0.1
9.4	0.0			9.6	÷
9.3	0.1	9.5	+ 0.1	9.8	÷ 0.4
9.2	0.2	9.7	+ 0.3	9.5	÷ 0.1
8.3	1.1	9.3	0.1	9.8	÷ 0.42
7.1	2.3	8.5	0.9	9.6	÷ 0.2
6.0	3.4	7.4	2.0	8.6	÷ 0.2
4.8	4.6	6.6	2.8	9.0	0.4
4.5	4.9	5.7	3.7	7.5	1.9
4.2	5.2	5.0	4.4	6.2	3.2
2.5	6.9	2.5	6.9	4.5	4.9

G J Rennie Rod Aug 29 '04

G Lambert Chain

		±	H.I.	Elev.
5+50			20.97	
+80	E. line Olney St.			
6				
+50				
+60	W " " "			
Plug	S. W. Cor. " "	-3.97		17.00
7				
Peg		-2.62 +6.81	25.16	18.35
+50				
8				
+50				
9				
+50				
10				
+50				
11				
+50				

Reed Ave

N Rod	N Elev.	C Rod	C Elev.	S Rod	S Elev.
9.7	11.3	11.0	10.0	10.8	10.2
7.3	13.7			7.2	13.8
5.6	15.4	6.0	15.0	6.3	14.7
2.7	18.3	3.2	17.8	4.4	16.6
2.4	18.6			4.0	17.0
0.9	20.1	1.7	19.3	3.3	17.7
4.0	21.2	5.0	20.2	6.8	18.4
3.6	21.6	4.7	20.5	6.0	19.2
2.5	22.7	4.6	20.6	6.4	18.8
2.8	22.4	4.3	20.9	5.5	19.7
2.0	23.2	3.0	22.2	5.0	20.2
1.1	24.1	2.8	22.4	5.1	20.1
2.4	22.8	3.7	21.5	5.8	19.4
5.1	20.1	6.9	18.3	8.8	16.4
6.5	18.7	9.6	15.6	12.6	12.6

G J Rennie Rod
G Lambert Chain

Aug 29 '02

		±	H.I.	Elev.
11+59.7	E. line Noyes St.		25.16	
Peg		−8.38 +2.87	19.65	16.78
12				
+39.7	W. " " "			
+50				
Plug	N.W. Cor. " "	−5.16		14.49
13				
+50				
14				
+50				
15				
+50				
Peg.		−0.03 +12.48	32.10	19.62
16				
+50				
17				
+39.5	E. line Morell St.			
+50				

Reed Ave

N Rod	N Elev	C Rod	C Elev.	S Rod	S Elev.
6.9	18.26			12.8	12.36
2.9	16.8	5.8	13.9	8.9	10.8
5.2	14.45			9.9	9.75
5.8	13.9	7.1	12.6	10.2	9.5
8.9	10.8	10.7	9.0	11.0	8.7
7.5	12.2	8.6	11.1	9.6	10.1
6.8	12.9	7.7	12.0	8.8	10.9
6.0	13.7	7.3	12.4	8.0	11.7
5.2	14.5	6.6	13.1	6.3	13.4
2.4	17.3	3.9	15.8	3.5	16.2
10.9	21.2	11.8	20.3	11.9	20.2
6.6	25.5	7.2	24.9	8.0	24.1
3.3	28.8	4.2	27.7	5.0	27.1
1.5	30.6			3.0	29.1
1.3	30.8	2.2	29.9	2.9	29.2

G J Rennie Rod
G Lambert Chain

Aug 29 04

		±	H.I.	Elev.
Plug N. E. Cor. Morell St		-1.54	32.40	30.56
18				
+19.5 W. line	" "			
+50				
19				
+50				
20				
+50				
21				
+50				
Peg		-0.21 +12.98	44.87	31.89
22				
+50				
23				
+19.6 E. line Lamont St.				
Plug S. E. Cor.	" "	-4.95		39.82
+50				
+99.6 W. line	" "			

Reed Ave.

47

Rod N	Elev	Rod C	Elev	Rod S	Elev
1.2	30.9	2.0	30.1	2.4	29.7
0.9	31.2			2.8	29.3
1.1	31.0	2.2	29.9	3.5	28.6
1.9	30.2	3.6	28.5	5.5	26.6
2.4	29.7	5.0	26.1	8.1	24.0
4.8	27.3	7.1	25.0	9.0	23.1
6.5	25.6	7.2	24.9	6.4	25.7
5.6	26.5	5.6	26.5	4.4	27.7
2.6	29.5	3.9	28.2	2.2	29.9
13.0	31.9	12.2	32.7	11.0	33.9
8.8	36.1	8.4	36.5	7.8	37.1
6.6	38.3	6.2	38.7	6.1	38.8
5.8	39.1			4.9	40.0
4.2	40.7	4.3	40.6	3.9	41.0
3.2	41.7	3.4	41.5	3.3	41.6

E.J. Rennie Rod
E. Lambert Chain

Aug. 29 04

	±	H.I.	Elev.
24+50		44.87	
25			
+50			
Peg	−0.57 +10.16	54.46	44.30
26			
+50			
27			
+50			
28			
+50			
+99.5 E. line Kendall St			
29+50			
+79.5 W " " "			
Peg at N.W. Cor. " "	−1.94		52.52
30			
+50			
31			
+50			

Reed Ave.

N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
2.0	42.9	2.1	42.8	2.7	42.2
1.3	43.6	1.8	43.1	2.3	42.6
0.9	44.0	1.6	43.3	2.1	42.8
10.2	44.3	10.9	43.6	11.4	43.1
9.7	44.8	10.4	44.1	10.9	43.6
9.0	45.5	9.5	45.0	9.8	44.7
7.8	46.7	8.4	46.1	8.9	45.6
6.7	47.8	7.0	47.5	7.5	47.0
5.2	49.3	5.6	48.9	6.2	48.3
4.0	50.5	4.3	50.2	4.5	50.0
2.7	51.8	3.1	51.4	3.5	51.0
1.9	52.6			2.9	51.6
1.5	53.0	2.1	52.4	2.5	52.0
1.0	53.5	1.4	53.1	1.9	52.6
0.6	53.9	1.0	53.5	1.4	53.1
+0.1	54.54	0.3	54.2	0.9	53.6

G J Rumin Rod
G Lambert Chain

Aug 29 04

			±	H.I.	Elev.
Peg			−0.18	54.46	
			+10.56	64.84	54.28
32					
+50					
33					
+50					
34					
+50					
+79.0	E. line Jewel St.				
35					
+50					
+59	W. "	" "			
36					
+50					
37			−12.45		
					52.39
Peg.			−12.83		
			+ 0.85	52.86	52.01
+50					
38					
+50					

Reed Ave.

N. Rod	N. Elev	C Rod	C Elev	S Rod	S Elev.
9.4	55.4	9.8	55.0	10.2	54.6
7.9	56.9	8.1	56.7	9.0	55.8
6.7	58.1	7.2	57.6	7.4	57.4
5.5	59.3	5.6	59.2	6.3	58.5
4.6	60.2	5.0	59.8	5.5	59.3
4.2	60.6	4.8	60.0	5.4	59.4
4.5	60.3			5.5	59.3
4.5	60.3	5.1	59.7	5.7	59.1
5.5	59.3	5.5	59.3	6.6	58.2
5.7	59.1			6.3	58.5
6.8	58.0	6.8	58.0	7.0	57.8
8.8	56.0	8.8	56.0	8.6	58.2
12.5	52.3	10.3	54.5	10.2	54.6
5.6	47.3	1.6	51.3	0.8	52.1
9.5	43.4	6.2	46.7	3.5	49.4
11.4	41.5	9.1	43.8	6.9	46.0

G. J. Rennie Rod
J. Lambert Chain

Aug 29 04

Reed Ave.

			±	H.I.	Elev.	N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
39				52.86		12.5	40.4	11.3	41.6	9.4	43.5
Pey			−9.91 +9.07	52.02	42.95						
+50						11.7	40.3	11.2	40.8	10.3	41.7
40						11.2	40.8	11.1	40.9	10.2	41.8
+50						9.8	42.2	9.8	42.2	9.7	42.3
+58	E. line Broadway					9.8	42.2			9.4	42.6
41						8.1	43.9	8.4	43.6	8.4	43.6
+50						6.2	45.8	6.4	45.6	6.7	45.3
+58	W "	"				5.9	46.1			6.3	45.7
Plug	S.W. Cor.	"	−6.28		45.74						
42						4.2	47.8	4.6	47.4	5.3	46.7
+50						3.2	48.8	3.7	48.3	4.0	48.0
43						2.8	49.2	3.3	48.7	3.6	48.4
+50						3.2	48.8	3.6	48.4	3.9	48.1
44						3.8	48.2	4.1	47.9	4.3	47.7
Pey			−5.13 +6.09	52.98	46.89						
+50						5.3	47.7	5.9	47.1	6.1	46.9
45						5.5	47.5	6.2	46.8	6.6	46.4

G J Rennie Rod
G Lambert Chain

Aug 29 04

		±	H.I.	Elev.
45+50			52.98	
46				
+50				
+58	E. line Hairn St.			
47				
+38	W. " " "			
Plug	S.W. Cor. " "	-5.47		47.50 47.51
+50				
48				
Peg		-10.80 +1.25	43.43	42.18
+50				
49				
+50				
50				
+50				
Peg		-9.02 +2.61	37.02	34.41
51				
+50				

Reed Ave

S 51

N Rod	N Elev.	C Rod	C Elev.	S Rod	S Elev.
5.5	47.5	6.5	46.5	6.8	46.2
5.0	48.0	5.7	47.3	6.5	46.5
4.4	48.6	5.1	47.9	5.9	47.1
4.2	48.8	4.4		5.8	47.2
3.7	49.3	4.5	48.5	5.4	47.6
4.0	49.0			5.5	47.5
				5	
4.4	48.6	4.9	~~38.5~~ 48.1	5.8	47.2
6.6	46.4	6.7	~~36.7~~ 46.3	7.6	45.4
	Began	Aug 30	04		
0.6	42.8	1.0	42.4	1.1	42.3
3.2	40.2	4.4	39.0	4.7	38.7
5.9	37.5	6.5	36.9	7.6	35.8
7.5	35.9	8.6	34.8	9.9	33.5
9.1	34.3	10.0	33.4	11.5	31.9
2.9	34.1	4.8	32.2	5.9	31.1
4.5	32.5	5.0	32.0	6.1	30.9

CJ Rennie Rod			Aug 30		04	Reed Ave.					
J Lamber & Chain						N		C		S	
			I	H.I.	Elev.	Rod	Elev	Rod	Elev	Rod	Elev
52				37.02		4.4	32.6	5.1	31.9	6.1	30.9
+36.8	E. line Gresham St.					4.3	32.7	4.9	32.1	5.9	31.1
+50						4.2	32.8	4.9	32.1	5.5	31.5
53						3.8	33.2	4.6	32.4	5.4	31.6
+16.8	W. "	" "				3.9	33.1			5.0	32.0
Plug	S.W. Cor.	" "	-4.96		32.06						
+50						3.9	33.1	4.4	32.6	4.7	32.3
54						4.1	32.9	4.6	32.4	4.9	32.1
+50						4.6	32.4	4.9	32.1	5.6	31.4
55						4.9	32.1	5.4	31.6	6.2	30.8
+50						5.5	31.5	6.0	31.0	6.8	30.2
56						6.3	30.7	6.6	30.4	7.6	29.4
+50						7.2	29.8	7.5	29.5	8.0	29.0
57						8.2	28.8	8.3	28.7	8.9	28.1
+50						9.2	27.8	9.3	27.7	9.7	27.3
58						9.7	27.3	10.0	27.0	10.5	26.5
+16.	E. line Tannel St					9.8	27.2			10.7	26.3
Peg & Plug	S.E. Cor	" "	-10.65 +1.44	27.81	26.37						

G J Rennie Rod
J Lambert Chain

Aug 30 .021

Reed Ave.

		±	H.I.	Elev.	N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
58+50			27.81		0.7	27.1	1.1	26.7	1.8	26.0
+96	W. line Tunnel St.				1.3	26.5	1.7	26.1	2.4	25.4
59					1.4	26.4	1.7	26.1	2.4	25.4
+50					2.1	25.7	2.5	25.3	3.0	24.8
60					2.8	25.0	3.3	24.5	3.6	24.2
+50					3.5	24.3	4.0	23.8	4.4	23.4
61.					4.0	23.8	4.5	23.3	4.7	23.1
+50					4.9	22.9	5.2	22.6	5.5	22.3
62					5.8	22.0	6.1	21.7	6.3	21.5
+50					6.8	21.0	7.0	20.8	7.2	20.6
63					7.3	20.5	7.7	20.1	8.4	19.4
+50					9.0	18.8	8.5	19.3	7.8	20.0
Pey & Pluy N.E. Cor.	Evarts St.	−7.88 +0.49	20.42	19.93						
+96.0	E. line " "				0.5	19.9			2.3	18.1
64					0.6	19.8	1.5	18.9	2.3	18.1
+50					1.1	19.3	2.0	18.4	2.6	17.8
+76.0	W " " "				1.0	19.4			2.8	17.6
65					1.2	19.2	2.0	18.4	3.1	17.3

G. J. Runnie Rod
L. Lambert Chain

Aug 30 '04

			I	H.I.	Elev
65+50				20.42	
66					
+50		11.16			
67					
+50					
68					
+50					
69					
+50					
+76	E. line Dawes St.				
Pey & Plug	N.E. Cor.	" "	-9.40 +3.69	14.71	11.02
70					
+50					
+56	W. line	" "			
71					
+50					
72					
+50					

Reed Ave

N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
1.3	19.1	2.2	19.2	3.3	17.1
2.0	18.4	3.0	17.4	3.9	16.5
2.9	17.5	4.1	16.3	4.8	15.6
6.0	14.4	6.5	13.9	7.3	13.1
7.2	13.2	7.8	12.6	8.5	11.9
8.3	12.1	8.9	11.5	10.6	9.8
8.3	12.1	9.3	11.1	10.0	10.4
8.7	11.7	9.3	11.1	10.1	10.3
9.2	11.2	9.7	10.7	10.4	10.0
9.4	11.0			10.6	9.8
4.1	10.6	4.6	10.1	5.1	9.6
4.5	10.2	5.2	9.5	5.8	8.9
4.5	10.2			5.8	8.9
5.1	9.6	5.8	8.9	6.3	8.4
5.6	9.1	6.3	8.4	6.7	8.0
6.0	8.7	6.7	8.0	7.5	7.2
4.5	10.2	5.8	8.9	6.9	7.8

G J Rennie Rod
G Lambert Chain

			±	H.I.	Elev.
73				14.71	
+50					
74					
+50					
75					
+50					
+56	E. line Cass St.				
76					
+36	W " " "				

From this point west Reed ave is only 48 ft. wide

76+50					
Peg. & Plug	N.W. Cor.	Cass St.	− 6.02 + 2.88	11.57	8.69
77					
+50					
78					
+50					
79					

Reed Ave.

N Rod	N Elev	C Rod	C Elev.	S Rod	S Elev
3.7	11.0	4.9	9.8	5.6	9.1
3.9	10.8	4.3	10.4	5.5	9.2
4.3	10.4	4.5	10.2	5.4	9.3
4.5	10.2	5.0	9.7	5.4	9.3
5.4	9.3	5.7	9.0	5.7	9.0
5.7	9.0	6.0	8.7	6.4	8.3
5.7	9.0			6.5	8.2
5.9	8.8	6.0	8.7	6.7	8.0
6.0	8.7			6.4	8.3
6.2	8.5	6.5	8.2	6.6	8.1
3.1	8.5	3.5	~~11.1~~ 8.1	3.6	8.0
3.2	8.4	3.6	8.0	3.8	7.8
3.5	8.1	3.7	7.9	3.8	7.8
3.8	7.8	4.0	7.6	4.2	7.4
4.3	7.3	4.5	7.1	4.6	7.0

G. G. Runnie Rod
G. Lambert Chain

Aug 30 04

		±	H.I.	Elev.
79+50			11.57	
80				
+50				
81				
+55.7	E. line Bayard St.			
Peg & Plug	N.E. Cor. " "	− 6.60 + 0.34	5.31	4.97
+50				
82				
+15.2	W. line " "			
+50				
83				
+50				
84				
+50				
85				
+50				
86				
+50				

Reed Ave

N Rod	N Elev.	C Rod	C Elev.	S Rod	S Elev.
4.7	6.9	4.7	6.9	5.0	6.6
4.7	6.9	5.2	6.4	5.2	6.4
5.5	6.1	5.5	6.1	5.7	5.9
6.0	5.6	6.2	5.4	6.1	5.5
6.6	5.0			6.7	4.9
0.5	4.8	0.6	4.7	0.7	4.6
0.9	4.4	1.0	4.3	1.0	4.3
1.0	4.3	1.0	4.3	1.0	4.3
1.2	4.1	1.7	3.6	1.9	3.4
2.6	2.7	2.7	2.6	2.2	3.1
3.3	2.0	3.5	1.8	3.4	1.9
4.7	0.6	5.0	0.3	4.7	0.6
6.2	+ 0.9	6.3	+ 1.0	6.8	+ 1.5
8.2	+ 2.9	8.6	+ 3.3	8.3	+ 3.0
7.0	+ 1.7	7.9	+ 2.6	8.3	+ 3.0
6.0	+ 0.7	6.7	+ 1.4	7.0	+ 1.7
5.5	+ 0.2	5.7	+ 0.4	5.8	+ 0.5

G J Rennie Rod
G Lambert Chain

Aug 30 04

Reed Ave

		±	H.I.	Elev.	N Rod	N Elev	C Rod	C Elev	S Rod	S Elev
87			5.31		5.1	0.0	5.0	0.3	5.4	+0.1
+15	E. line Allison St.				5.0	0.3			5.3	0.0
Pey Pky N.E. Cor	" "	-4.94 +9.35	9.72	0.37						
+50					9.4	0.3	9.1	0.6	9.6	0.1
+95	W. line " "				9.3	0.4			9.7	0.0
88					9.3	0.4	9.5	0.2	9.8	+0.1
+50					8.8	0.9	8.8	0.9	9.3	0.4
89					7.9	1.8	8.2	1.5	8.3	1.4
+50					6.9	2.8	7.0	2.7	6.8	2.9
90					5.9	3.8	5.7	4.0	5.8	3.9
+50					4.8	4.9	4.9	4.8	4.7	5.0
91	On Drift Sand				2.2	7.5	2.2	7.5	1.4	8.3
+27	" " "		Shore line		25	7.2	3.0	6.7	2.8	6.9

G J Rennie Rod
G Lambert Chain

Aug 30 '04

Levels on Evarts St. Beginning on the South line of Alabama Ave & running South.

	±	H.I.	Elev
0+00 = So line Alabama Ave.			
+50		61.53	
1			
+50			
2			
+50			
+69.5 N. line Vermont Av.			
3			
+49.5 S. " " "			
4			
+50			
Peg.	−11.88 +1.19	50.84	49.65
5			
+50			

This Elev. reduced from Plug N.W. Cor. Evarts & Mass. Ave. & Emerald

Evarts St

E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
0.8	60.7	0.9	60.6	1.3	60.2
1.7	59.8	1.8	59.7	2.0	59.5
2.7	58.8	2.7	58.8	3.0	58.5
3.6	57.9	3.8	57.7	4.1	57.4
5.0	56.5	5.1	56.4	5.2	56.3
6.1	55.4	6.3	55.2	6.7	54.8
6.6	54.93			7.1	54.43
7.4	54.1	7.6	53.9	8.1	53.4
8.7	52.83	8.6	52.9	9.1	52.43
10.1	51.4	10.4	51.1	10.3	51.2
11.2	50.3	11.6	49.9	12.0	49.5
1.3	49.5	2.0	48.8	2.4	48.4
2.3	48.5	2.8	48.0	3.4	47.4

G J Rennie Rod
G Lambert Chain

Aug 30 '04

Evarts St.

			±	H.I.	Elev	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
6				50.84		3.0	47.8	3.5	47.3	4.3	46.5
+19.8	N. line Mass. Ave.					3.4	47.4			4.6	46.2
Plug N.W. Cor.	"	"	-4.59	50.84	46.25						
+50						3.8	47.0	4.4	46.4	5.1	45.7
+99.8	So. line	" "				4.4	46.4	5.4	45.4	6.3	44.5
7+50						5.6	45.2	6.4	44.4	7.3	43.5
8						6.6	44.2	7.5	43.3	8.3	42.5
+50						7.7	43.1	8.4	42.4	9.4	41.4
9						8.7	42.1	9.2	41.6	10.2	40.6
+50						9.3	41.5	10.0	40.8	10.9	39.9
+65.8	N. line Garnet Ave.					9.9	40.9			11.2	39.6
10						10.6	40.2	11.0	39.8	11.9	38.9
+45.8	So "	" "				11.4	39.4			13.0	37.8
+50						11.6	39.2	12.3	38.5	13.1	37.7
Plug S.E. Cor.	"	"	-11.42 +0.56	39.98	39.42						
11						1.7	38.3	2.5	37.5	3.2	36.8
+50						2.4	37.6	3.3	36.7	4.0	36.0

G J Rennie Rod
G Lambert Chain

Evarts St.

60

		Any ±	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev.	W Rod	W Elev
12			39.98		3.3	36.7	3.9	36.1	4.6	35.4
+50					4.4	35.6	4.8	35.2	5.5	34.5
13					5.0	35.0	5.6	34.4	6.4	33.6
+16	N. line Hornblend ave.				5.2	34.8			6.7	33.3
+50					5.9	34.1	6.7	33.3	7.5	32.5
+96	So " "	"			6.1	33.9			7.7	32.3
14					6.2	33.8	7.0	33.0	8.5	31.5
Plug	S.W. Cor. "	-7.70								
+50					7.0	33.0	7.1	32.9	8.6	31.4
15					7.0	33.0	7.6	32.4	9.3	30.7
+50					7.6	32.4	8.5	31.5	9.8	30.2
16					7.9	32.1	9.1	30.9	10.4	29.6
Pey		-10.38 +5.09	34.69	29.60						
+50					2.4	32.3	3.4	31.3	5.3	29.4
+66	N. line Grand ave.				2.2	32.5			5.5	29.2
17					4.2	30.5	5.2	29.5	6.1	28.6
Cut Motor line Base of rail							6.1	28.6		

G J Rinnie Rod
G Lambert Chain

Aug 30, 04

		±	H.I.	Elev
17+50			34.69	
+91	So line Grand Ave.			
18				
+50				
19				
+50				
20				
+50				
+61.2	N. line Thomas Ave			
Phy N.W. Cor.	" "	-7.59		27.10
" N E "	" "	-6.33 +1.39	29.75	28.36
21				
+41.2	So line " "			
+50				
22				
+50				
23				
+50				

Evarts St.

E		C		W.	
Rod	Elev.	Rod	Elev.	Rod	Elev.
3.5	31.2	4.7	30.0	5.5	29.2
3.3	31.4			5.9	28.8
2.9	31.8	3.0	31.7	5.2	29.5
3.5	31.2	4.3	30.4	5.3	29.4
4.1	30.6	4.9	29.8	5.6	29.1
3.9	30.8	4.7	30.0	6.3	28.4
5.1	29.6	5.7	29.0	6.9	27.8
6.1	28.6	6.5	28.2	7.5	27.2
6.3	28.4			7.6	27.1
1.9	27.8	2.5	27.2	3.1	26.6
2.8	26.9			3.6	26.1
3.2	26.5	3.2	26.5	3.7	26.0
4.3	25.4	4.2	25.5	4.9	24.8
5.9	23.8	5.7	24.0	5.4	24.3
7.5	22.2	7.1	22.6	6.3	23.4
8.7	21.0	8.7	21.0	8.5	21.2

G J Rennie Rod Aug 30 '04

G Lambert Chain ± H.I. Elev

24 29.75

+11.1 N. line Reed Ave

Phy N. E. Cor. " " -9.75 20.00

Evarts St.

E		C		W	
Rod	Elev	Rod	Elev	Rod	Elev
9.5	20.2	9.9	19.8	10.0	19.7
9.8	19.9	10.2	19.5	10.3	19.4

00

G.J. Rennie Roll
G. Lambert Chain

Aug 31 '04

Fanuel St.

W63

Levels on Fanuel St. Beginning at the So. line of Alabama Ave & running South.

		±	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
0+00	So line Alabama Ave		66.42		0.3	66.1	0.6	65.8	0.9	65.5
+50					1.2	65.2	1.4	65.0	2.2	64.2
1					2.6	63.8	2.6	63.8	3.1	63.3
+50					3.8	62.6	3.5	62.9	4.0	62.4
2					5.0	61.4	4.9	61.5	5.1	61.3
+50					6.3	60.1	6.3	60.1	6.6	59.8
+70	N. line Vermont Ave.				6.7	59.7			7.0	59.4
3					7.3	59.1	7.0	59.4	7.7	58.7
Hub.	W. line Fanuel.	-7.95		58.47						
+50	So. line Vermont.				8.4	58.0	8.4	58.0	8.7	57.7
4					9.6	56.8	9.7	56.7	10.0	56.4
+50					10.6	55.8	10.9	55.5	11.0	55.4
Peg		-12.02 + 0.78	55.18	54.40						
5					0.3	54.9	0.7	54.5	1.0	54.2
+50					1.1	54.1	1.7	53.5	2.0	53.2

This Elev reduced from Pkg S.W. Cor. Fanuel + Garnet.

G J Rennie Rod	Aug 31	04		Fanuel St.					
G Lambert Chain				E		C		W	64
	±	H.I.	Elev	Rod	Elev	Rod	Elev.	Rod	Elev.
6		55.18		2.2	53.0	2.7	52.5	2.8	52.4
+20 N. line Mass. Ave.				2.4	52.8			3.1	52.1
+50				3.2	52.0	3.4	51.8	3.8	51.4
J.P. on Mass. Ave.	−3.32		51.86						
7 So. line Mass. Ave.				4.5	50.7	4.7	50.5	4.7	50.5
+50				5.5	49.7	5.2	50.0	5.6	49.6
8				6.3	48.9	6.7	48.5	6.8	48.4
+50				7.0	48.2	7.3	47.9	7.5	47.7
9				7.3	47.9	8.3	46.9	8.4	46.8
+50				8.2	47.0	8.9	46.3	8.8	46.4
+66.6 N. line Garnet Ave.				8.4	46.8			9.4	45.8
10				8.9	46.3	9.6	45.6	10.0	45.2
+46.6 So " " "				9.1	46.1			10.6	44.6
+50				9.1	46.1	10.7	45.0	10.6	44.6
Peg & Pkg S.W. Cor. " "	−10.57 + 2.95	47.56	44.61						
11				2.4	45.2	3.0	44.6	3.4	44.2
+50				2.8	44.8	3.2	44.4	3.7	43.9

G.J. Rennie Rod G. Lambert Chain		Aug 31st or ±	H.I.	Elev	
12			47.56		
+50					
13					
+16.9	N. line Hornblend Ave.				
+50					
+96.9	So " " "				
14					
Plug S.W. Cor.	" "	-6.08		41.48	
+50					
15					
+50					
16					
Peg.		-10.15 +0.35	37.76	37.41	
+50					
+67	N. line Grand Ave.				
17					
Cut Motor line base of rail					
+50					

Fanuel St.

E		C		W	
Rod	Elev	Rod	Elev	Rod	Elev.
3.7	44.4	3.3	44.3	4.1	43.5
3.6	44.0	4.3	43.3	4.6	43.0
4.0	43.6	4.8	42.8	5.1	42.5
4.5	43.1			5.1	42.5
4.9	42.7	5.3	42.3	5.4	42.2
5.5	42.1			6.0	41.6
5.7	42.0	5.9	41.7	6.1	41.5
6.6	41.0	6.6	41.0	6.7	40.9
7.7	39.9	7.4	40.2	7.5	40.1
9.0	38.6	8.4	39.2	8.2	39.4
10.2	37.4	10.1	37.5	9.9	37.7
1.8	36.0	2.1	35.7	1.5	36.3
1.5	36.3			2.0	35.8
1.1	36.7	2.0	35.8	2.5	35.3
		1.0	36.8		
2.8	35.0	2.4	35.4	1.8	36.0

G J Rennie Rod
G Lambert Chain Aug 31 04

Fannel St.

		±	H.I.	Elev	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
17+92	So. line Grand Ave		37.76		3.9	33.9			4.6	33.2
18					4.2	33.6	4.7	33.1	5.4	32.4
Plug S.W. Cor.	" "	-4.64		33.12						
+50					5.0	32.8	5.6	32.2	6.2	31.6
19					5.5	32.3	6.2	31.6	6.6	31.2
+50					6.0	31.8	6.4	31.4	7.2	30.6
20					6.0	31.8	6.7	31.1	7.3	30.5
+50					6.5	31.3	7.0	30.8	7.4	30.4
+62	N. line Thomas Ave.				6.6	31.2			7.7	30.1
Plug N.W. Cor.	" "	-7.67 +4.39	34.48	30.09						
21					3.2	31.3	4.0	30.5	4.6	29.9
+42	So. line " "				3.8	30.7			4.6	29.9
+50					3.9	30.6	4.4	30.1	4.8	29.7
22					4.6	29.9	5.0	29.5	5.5	29.0
+50					5.2	29.3	5.6	28.9	6.2	28.3
23					5.8	28.7	6.2	28.3	6.7	27.8
+50					6.4	28.1	6.9	27.6	7.4	27.1

G J Rennie Rod
J Lambert Chain

Aug 31st 01

			±	H.I.	Elev
24				34.48	
+12.5	N. line Reed Ave				
Plug S.E. Cor.	"	"	-7.94		26.37 36.54

Fanuel St.

E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
6.9	27.6	7.4	27.1	7.8	26.7
7.1	27.4	7.6	26.9	7.8	26.7

G. Rennie Roll
G. Lambert Chain

Aug 31 04

± H.I. Elev.

Levels on Gresham St. Beginning on the So. line of Alabama Ave & running to the North line of Reed ave.

0+00	So line Alabama Ave.			70.60							
+50											
1											
+50											
2											
+50											
+70	No. line Vermont Av.										
3											
+50	So. " " "										
J.P.	old.			-5.93		64.67					
4											
+50											
5											

This Elev. reduced from Peg on Garnet ave. line. Elev. 50.92

Gresham St.

68

E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
1.1	69.5	1.2	69.4	1.4	69.2
2.0	68.6	2.5	68.1	2.6	68.0
3.2	67.4	3.5	67.1	3.8	66.8
3.8	66.8	4.6	66.0	4.8	65.8
5.2	65.4	5.4	65.2	5.8	64.8
5.8	64.8	6.4	64.2	6.5	64.1
5.9	64.7			7.3	63.3
6.6	64.0	7.4	63.2	7.7	62.9
7.3	63.3	8.0	62.6	8.7	61.9
8.0	62.6	8.8	61.8	9.8	60.8
8.8	61.8	9.7	60.9	10.5	60.1
9.6	61.0	10.2	60.4	11.2	59.4

G J Rennie Rod
G Lambert Chain

Aug 31st 04

		±	H.I.	Elev
			70.60	
Peg.		−9.31 +1.71	63.00	61.29
5+50				
6				
+20	No. line Mass St.			
+50				
7	So " " "			
+50				
8				
+50				
9				
+50				
+67	N. line Garnet Av.			
10				
Peg on Garnet St.		−12.08		50.92
+47	So. line Garnet Av.			
+50				
Peg		−11.97 +2.80	53.83	51.03

Gresham St.

E Rod	E Elev	C Rod	C Elev.	W. Rod	W. Elev.
3.0					
3.0	60.0	3.2	59.8	3.8	59.2
3.9	60.1	4.1	58.9	4.7	58.3
4.0	59.0			5.1	57.9
4.6	58.4	5.1	57.9	5.8	57.2
5.0	58.0	6.1	56.9	6.5	56.5
5.5	57.5	6.6	56.4	7.7	55.3
4.7	58.3	7.3	55.7	8.4	54.6
6.2	56.8	7.9	55.1	9.2	53.8
6.9	56.1	6.9	56.1	9.7	53.3
8.3	54.7	9.1	53.9	10.3	52.7
8.3	54.7			10.6	52.4
9.0	54.0	9.8	53.2	11.1	51.9
9.8	53.2			11.4	51.6
9.7	53.3	10.7	52.3	11.4	51.6

G J Rennie Rod
G Lambert Chain

Aug 31st 04

			±	H.I.	Elev.
11				53.83	
+50					
12					
+50					
13					
+17.7	N. line Hornblend Ave				
+50					
+97.7	So "	"			
S.W. Cor.		"	"	-7.39	46.44
14					
+50					
15					
+50					
16					
+50					
Pey + Pley			-9.43 +4.61	49.01	44.40
+67.4					

Gresham St.

E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
+0.1	53.93	2.1	51.7	2.8	51.0
2.1	51.7	2.7	51.1	3.5	50.3
2.9	50.9	3.4	50.4	4.0	49.8
2.9	50.9	4.2	49.6	5.1	48.7
4.7	49.1	4.9	48.9	5.9	47.9
4.8	49.0			6.2	47.6
4.6	49.2	5.9	47.9	6.7	47.1
5.9	47.9	6.3	47.5	7.4	46.4
6.0	47.8	6.3	47.5	7.5	46.3
6.5	47.3	7.2	46.6	8.3	45.5
7.5	46.3	8.0	45.8	8.9	44.9
8.2	45.6	8.8	45.0	9.5	44.3
8.5	45.3	9.4	44.4	10.3	43.5
9.4	44.4	10.3	43.5	11.0	42.8
4.6	44.4			6.0	43.0

C J Rennie Rod

G Lambert Chain

Aug 31 04

		I	H.I.	Elev.
17			49.01	
Cent Motor Line Base of rail				
+50				
+92.4	So. line Grand Ave.			
18				
+50				
19				
+50				
20				
+50				
+62.7	N. line Thomas Ave.			
Plug N.E. Cor.	" "	-11.37 + 2.37	40.01	37.64
21				
+42.7	So. line " "			
+50				
22				
+50				

Gresham St.

71

E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
4.0	45.0	4.7	44.3	5.1	43.9
		3.7	45.3		
3.7	45.3	4.1	44.9	4.9	44.1
5.8	43.2			6.9	42.1
6.8	42.2	7.2	41.8	7.3	41.7
7.6	41.4	8.0	41.0	8.2	40.8
8.3	40.7	8.8	40.2	8.9	40.1
9.4	39.6	9.8	39.2	9.8	39.2
10.4	38.6	10.6	38.4	10.4	38.6
11.2	37.8	11.3	37.7	11.3	37.7
11.4	37.6			11.4	37.6
3.0	37.0	3.1	36.9	3.0	37.0
3.3	36.7			3.7	36.3
3.7	36.3	3.9	36.1	3.6	36.4
4.1	35.9	4.3	35.7	4.1	35.9
4.7	35.3	4.9	35.1	4.6	35.4

G J Rennie Roll
G Lambert Chain

Aug 31st 04

		I	H.I.	Elev	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
23			40.01		5.4	34.6	5.4	34.6	5.3	34.7
+50					6.1	33.9	6.1	33.9	5.7	34.3
24					6.9	33.1	6.8	33.2	6.4	33.6
+13.	N. line Reed ave.				6.9	33.1	7.2	32.8	6.7	33.3
Plug S. E. Cor.	" "		-7.92	32.09						

Gresham St.

G J Rennie Rod
G Lambert Chain

Aug 31st 04

Haines St.

73

	±	H.I.	Elev.	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
Levels on Haines St. Beginning at the south line of Alabama Ave running to the North line of Reed ave									
	±	H.I.	Elev						
0+00 = So. line Alabama Ave.		77.86		1.4	76.5	1.6	76.3	1.6	76.3
+50				2.4	75.5	2.2	75.7	2.5	75.4
1				2.8	75.1	3.2	74.7	2.9	75.0
+50				3.2	74.7	3.5	74.4	3.6	74.3
2				3.6	74.3	4.2	73.7	4.0	73.9
+50				3.9	74.0	4.3	73.6	4.3	73.6
+69.5 N. line Vermont Ave.				4.2	73.7			4.5	73.4
3				4.4	73.5	4.7	73.2	4.7	73.2
Peg. Cent. Vermont line		-4.56							
+49.5 So line " "				5.1	72.8	5.0	72.9	5.2	72.7
4				5.6	72.3	5.4	72.5	5.5	72.4
+50				5.6	72.3	5.6	72.3	5.7	72.2
5				6.4	71.5	6.0	71.9	5.5	72.4
Peg		-6.17 +4.31	76.00	71.6					

This Elev. reduced from Plug N.W. Cor Haines + Mass. ave

G J Rennie Rod
G Lambert Chain

Aug 31st 07

	±	H.I.	Elev.
5+50		76.00	
+6			
+19 N. line Mass. Ave.			
Plug N. W. Cor. " "	-4.01		71.99
+50			
+99 So. line Mass "			
7+50			
8			
+50			
9			
+50			
+67.5 N. line Garnet Ave.			
10			
+47.5 So " " "			
Peg.	-7.57 +2.48	70.91	68.43
11			
+50			

Haines St.

E Rod	E Elev	C Rod	C Elev	W. Rod	W. Elev
4.8	71.2	4.4	71.6	3.5	72.5
5.1	70.9	4.6	71.4	3.8	72.2
5.0	71.0			4.0	72.0
5.3	70.7	4.9	71.1	4.1	71.9
5.8	70.2	4.9	71.1	4.0	72.0
6.2	69.8	5.3	70.7	4.5	71.5
6.7	69.3	5.6	70.4	5.1	70.9
6.9	69.1	6.1	69.9	5.6	70.4
7.4	68.6	6.4	69.6	6.2	69.8
8.0	68.0	6.6	69.4	6.9	69.1
8.2	67.8			7.1	68.9
8.3	67.7	7.7	68.3	7.6	68.4
8.9	67.1	8.5	67.5	8.2	67.8
4.3	66.6	3.9	67.0	3.7	67.2
4.6	66.3	4.3	66.6	4.2	66.7

G J Rennie Rod
G Lambert Chain

Aug 31 04

Haines St.

					E		C		W.	
			±	H.I.	Elev	Rod	Elev	Rod	Elev	Rod	Elev.
12				70.91		5.3	65.6	5.2	65.7	4.6	66.3
+50						5.6	65.3	5.6	65.3	5.4	65.5
13						6.0	64.9	6.1	64.8	6.1	64.8
+17.8	N. line Hornblend					6.7	64.2			6.5	64.4
+50						7.4	63.5	7.0	63.9	7.1	63.8
Plug S.W. Cor		"	−7.46 +1.90	65.35	63.45						
+97.8	So line	"				2.5	62.9	2.2	63.2	1.9	63.5
14+50						3.4	62.0	3.4	62.0	3.3	62.1
15						4.8	60.6	4.5	60.9	4.5	60.9
+50						6.1	59.3	5.9	59.5	5.8	59.6
16						7.3	58.1	7.2	58.2	7.2	58.2
+50						8.4	57.0	8.3	57.1	8.3	57.1
+67	No line Grand Ave.					9.1	56.3			9.2	56.2
Plug N.W. Cor		" "	−9.20 +4.98	61.13	56.15						
17						5.1	56.0	5.7	55.4	6.8	54.3
+50						5.1	56.0	6.2	54.9	6.9	54.2
+92	So					5.4	55.7			7.68	53.45
	Elev. Base of Rand Motor line							7.1	54.0		

G J Rennie Rod
G Lambert Chain

Aug 31 04

Haines St.

		±	H.I.	Elev	E Rod	E Elev	C Rod	C Elev	W Rod	W Elev
18			61.13		4.7	56.4	6.4	54.7	7.5	53.6
+50					3.0	58.1	5.6	55.5	7.0	54.1
19					2.8	58.3	4.2	56.9	6.2	54.9
+50					2.8	58.3	3.7	57.4	5.7	55.4
20					3.3	57.8	4.2	56.9	5.6	55.5
+50					3.8	57.3	4.7	56.4	6.0	55.1
+63 N. line Thomas Ave.					4.1	57.0			6.1	55.0
Peg Plug N. W. Cor.	" "	-6.09 +2.25	57.29	55.04						
21					1.0	56.3	1.7	55.6	2.6	54.7
+43 So. line	" "				1.9	55.4			3.4	53.9
+50					2.2	55.1	2.2	55.1	3.2	54.1
22					3.4	53.9	3.2	54.1	3.9	53.4
+50					4.7	52.6	4.5	52.8	4.9	52.4
23					6.0	51.3	5.8	51.5	6.0	51.3
+50					7.0	50.3	6.6	50.7	6.8	50.5
24					8.1	49.2	7.6	49.7	7.8	49.5
+12.5 N. line Reed Ave					8.7	48.6	8.0	49.3	8.4	48.9
Plug S. W. Cor.	" "	-9.79		47.50						

G J Rennie Rod
G Lambert Chain Aug 31 04

I Hil. Elev

Haines St.

E C W.

Rod Elev Rod Elev Rod Elev.

Pky S.E. Olney Vermont			69.52
B.S.	+11.46	80.98	
	−1.62		
Peg	+4.71	84.07	79.36
	−5.84		
Peg N.W. Cor. Noyes Vermont.			78.23
Peg at Sta. 14 Vermont	−4.10		79.97

2+69.8
6+19.8
9+65.8
13+16.
16+66
20+61.2
24+11.1

2+70
6+20
9+66.6
13+16.9
16+67.
20+62
24+12.5

13+17.7
16+67.4
20+62.7

967.5
13+17.8
16+67
20+63

S.W. Thos. & Cass. 11.57
N.W Reed & Cass. 8.85

2000 | 1728
.864 | 2700 | 31.
2592
1080

13+97.7

31
30

1045
80

1767
125
18+92

10 073
4
9 67.3

.04
be lower

28.06
29.06

N.W. 45.98

CS

2+70 10"×30" 30°

6+198

+97

+76.5 885

9 67.5 178 270

13+16 540

18+18 6 20

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52+33 24+10.5

50+13 5+80 1046.6

11+59.7 9 66.6

+13.5 17+39.5

+93. 23+19.6

40+58 E. Broadway

79+72 46+58 " Hains 16 624 1 25 17 92.4

+52.8 46+57

52+36 16 66 1 25 17 91

+23 58+15.2

+58 63+95

66+74.8

31+57 W. Little Jewel St.

75+52.5

81+36.5 52+36.8

87+16.5 58+16

87+55. Cut Motor 63+96.5

69+76

92+1.0 16 66 1 25 17 91 75+56 75+54.5

81+35.2 81+34.

81+31.8 87+15

87+11 91+27

87+0 50.7

+43

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60 53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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