Page

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88

1ST ST X SECTION 88 7

Cemetery G.A.R. Page 25
Copies

869

BOST. GRADES PAGE 42

TRANSIT

SEWER EXTENSION 5TH ST

X sec. Nutmeg St. P. 20

Sewer on Brookes P. 32

F.B. 76

76

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

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

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

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DEC 4 1964

TABLE FOR RUNNING ON SLOPES.

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

Angle.	Cor. in Links.	Angle.	Cor. in Links.	Angle.	Cor. in Links.	Angle.	Cor. in Links.
°		°		°		°	
4	0·24	11	1·88	18	5·14	25	10·54
5	0·38	12	2·24	19	5·76	26	11·26
6	0·55	13	2·63	20	6·42	27	12·24
7	0·76	14	3·06	21	7·11	28	13·37
8	0·98	15	3·53	22	7·85	29	14·34
9	1·24	16	4·02	23	8·64	30	15·47
10	1·55	17	4·56	24	9·47	35	22·07

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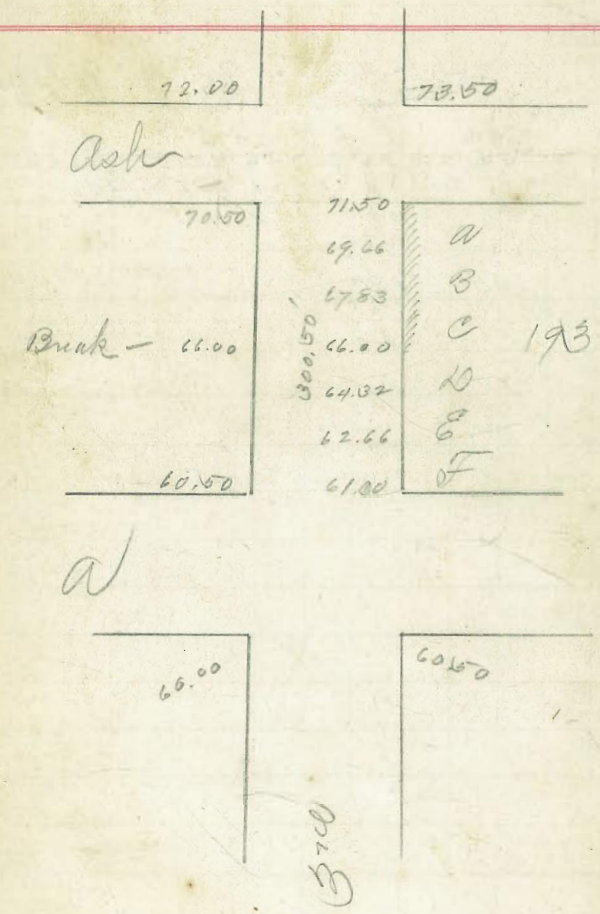
	70.16		
	5.10		
75.26	75.26	75.26	75.26
71.50	69.66	67.83	66.00
3.76	5.60	7.43	9.26



263.81 BM 5 - Nutmeg
3.25
26706
10.82

26 5.24
4.82
26 0.06
10.24
24 8.82 BM Spike driven in Bank at N.E. Cor.
3.72 Nutmeg - 2nd
25 3.54

253.54 253.54 253.54 253.54 253.54 253.54 253.54
247.00 249.00 251.00 253.00 252.00 251.00 250.00
6.54 4.54 2.54 .54 1.54 2.54 3.54

253.54 253.54 253.54 253.54 253.54 253.54 253.54
246.00 247.83 249.61 251.67 250.17 248.84 247.50
7.54 5.71 3.88 2.04 3.37 4.70 5.97

246.50 246.50 246.50 246.50 246.5 246.5 246.5
242.00 243.50 243.00 243.50 244.0 244.5 245.0
4.50 3.00 3.50 3.00 2.5 2.0 1.5
3.50 2.50 2.00 1.5 1.0

TP 245.0 253.95 253.95 253.95 253.95 253.95 253.95
8.95 246 247.00 249.00 251.00 253.00
253.95 7.95 6.95 4.95 2.95 0.95

253.95 253.95 253.95 253.95 253.95 253.95 253.95
252.00 251.00 250.00 247.50 248.14 250.17
1.95 2.95 3.95 6.45 5.11 3.78

253.95 253.95 253.95 253.95 253.59
251.50 247.61 247.83 246.00 247.50
2.45 4.29 6.12 7.95 2.09

249.52 253.59 253.59 253.59 253.59
3.77 246.5 246.5 245.85 241.50
253.59 7.09 7.29 7.74 2.09
246.00
7.59 253.59 253.59 253.59 253.59
245.50 246 245.3 244.85
253.59 8.09 7.59 8.29 8.74
245.06
8.59 248.26 248.26 248.26
242.3 242.50 241.85
246.00 5.96 5.76 6.41
2.26
248.26

Road St

Grades

2

247.50 3

2478

Olive

-17.00	247.50	250.00	250.00		+6.6
-13.4	248.84	251.00	2		-3.2
-5.4	250.17	252.00	252.00		+3.2
+0.4	251.50	253.00	253.00		+2.8
+0.9	249.66	251.00			+4.2
+0.9	247.83	249.00			+6.0
+1.2	246.00	247.00			+7.6

Nutmeg

-0.3	245.00	246.00			+6.3
-0.8	244.50	245.50			+5.9
-1.10	244.00	245.00			+6.0
-0.4	243.50	244.50			+6.7
+0.4	243.00	244.00			+7.5
+0.5	242.50	243.50			+6.0
+0.5	242.00	243.00			+5.6

Maple

241.00 242.00 242.00

Second Street

242.00 243.00

242.00 243.00

Maple

241.50 242.50

+0.7	241.00	242.00	+6.0
0.0	239.16	240.16	+6.8
−1.2	237.33	238.33	+4.1
−1.8	235.50	236.50	+1.4
−0.5	233.66	234.66	+1.4
+0.2	231.83	232.83	+0.3
−0.3	230.00	231.00	+0.3

241.00 — 230.00 = 1.83 = 50'

242.00 — 231.00 = 1.83 = 50'

Laurel

229.50

−0.1	229.00	230.00	+1.10
+0.9	227.15	228.15	+3.3
+3.7	225.32	226.32	+2.2
+2.8	223.49	224.49	+0.9
+1.9	221.66	222.66	+0.5
+1.1	219.83	220.83	+2.3
+0.9	218.00	219.00	+2.4

229.00 — 218.00 = 1.83 = 50'

230.00 — 219.00 = 1.83 = 50'

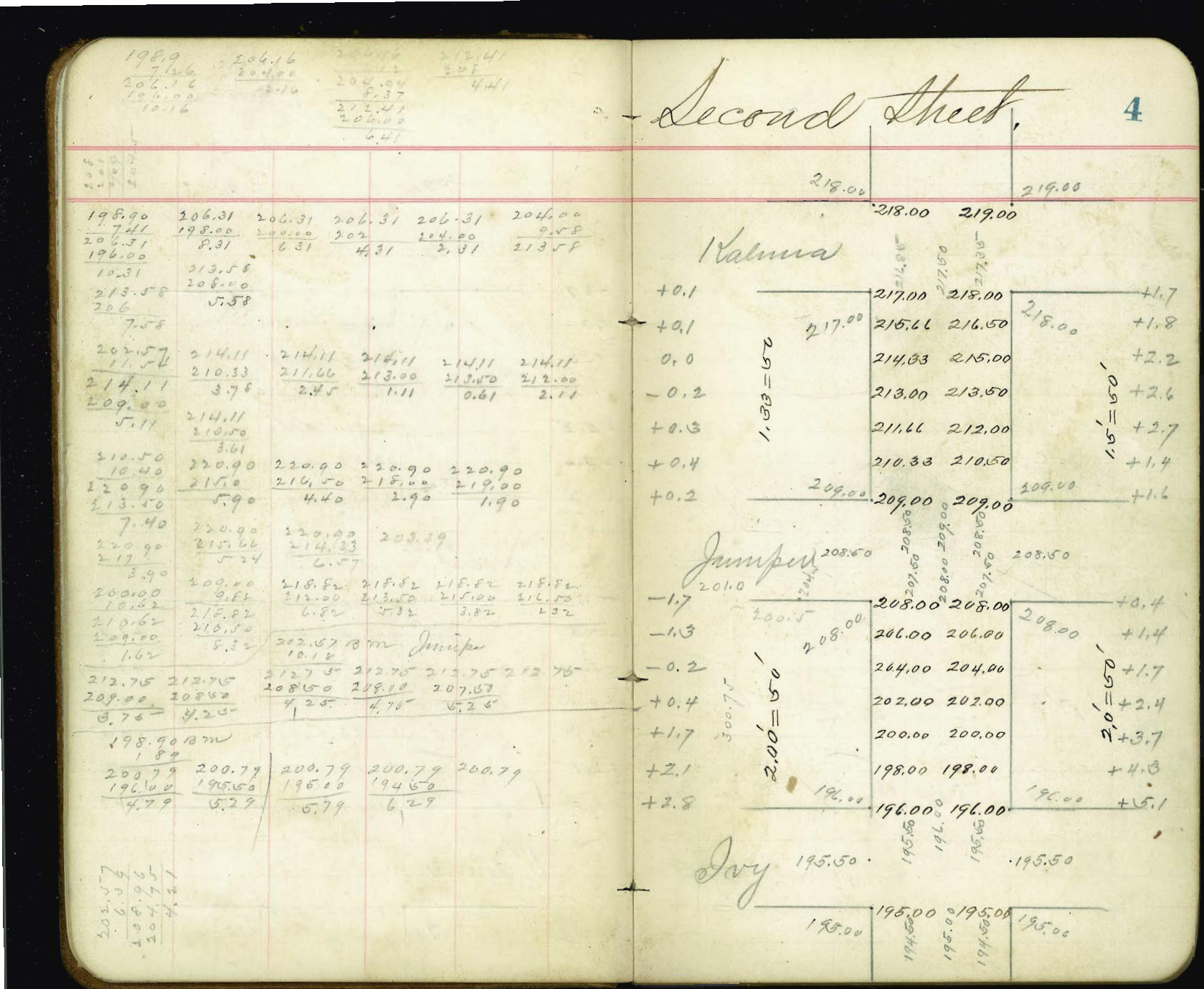
Kalmia

217.50 218.50

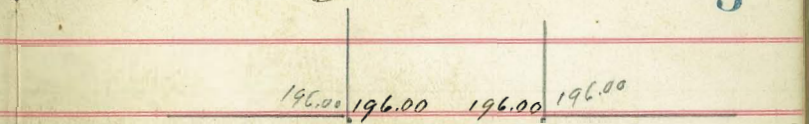
217.00 218.00

217.00 218.00

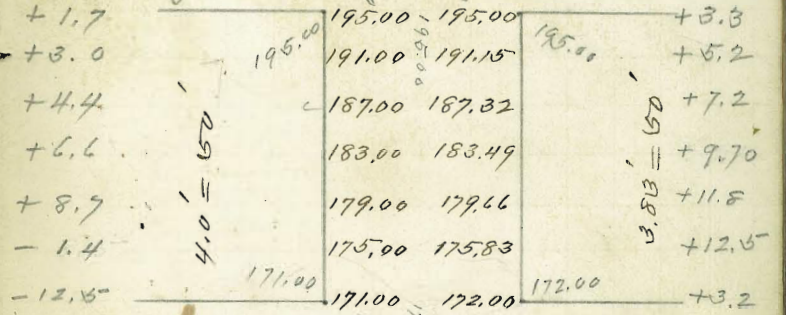
Second Street



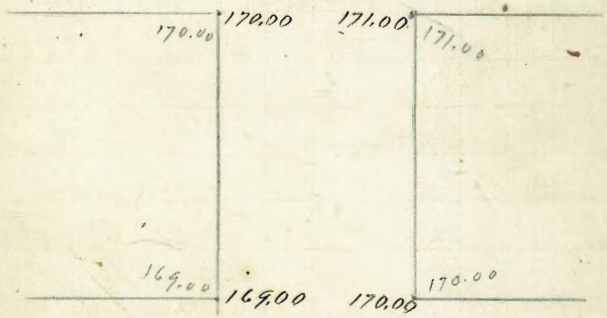
Second Street



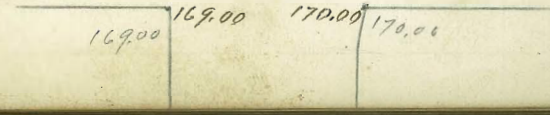
X Ivy



Hawthorne



Grape



1st Street Cross Section

32.69 B.M.
6.66
39.35

Stat	West CUTTER	Middle	Center West side	Center East side	Mid	East CUTTER	
			(39.35)				
0+0	31.9 7.60	32.3 7.00	32.8 6.50	32.9 6.40	32.7 6.60	32.9 6.40	N line D st
25	31.8 7.50	32.6 6.70	33.2 6.10	33.4 5.90	33.0 6.30	33.0 6.30	
50	32.3 7.00	32.9 6.40	32.1 7.20	33.6 5.70	33.3 6.00	33.2 6.10	
75	32.3 7.00	33.1 6.20	33.8 5.50	34.0 5.30	33.6 5.70	33.3 6.00	
1+00	32.6 6.70	33.5 5.80	34.0 5.30	34.2 5.10	33.8 5.50	33.4 5.90	
25	32.8 6.50	33.9 5.40	34.3 5.00	34.4 4.90	34.2 5.10	33.5 5.80	
50	33.0 6.30	33.7 5.60	34.2 5.10	34.4 4.90	33.9 5.40	33.7 5.60	
75	33.3 6.00	34.1 5.20	34.6 4.70	34.6 4.70	34.3 5.00	33.8 5.50	
2+00	33.4 5.90	34.0 5.30	34.8 4.50	34.9 4.40	34.7 4.60	34.0 5.30	S line C
25	33.8 5.50	34.1 5.20	34.9 4.40	35.1 4.20	34.7 4.60	34.4 4.90	
50	33.8 5.50	34.4 4.90	35.1 4.20	35.2 4.10	34.7 4.60	34.5 4.80	
75	34.0 5.30	34.7 4.60	35.3 4.00	35.4 3.90	34.9 4.40	34.7 4.60	S line C st
~~3+0~~ 14	34.1 5.20	35.0 4.30	35.4 3.90	35.5 3.80	35.2 4.10	34.8 4.50	N line C
~~25~~ 40	34.9 4.40	35.2 4.10	35.6 3.70	35.6 3.70	35.8 3.50	35.4 3.90	
~~50~~ 66	34.1 5.20	34.7 4.60	35.5 3.80	35.8 3.50	35.6 3.70	35.2 4.10	
~~75~~ 0+0	33.3 5.00	34.7 4.60	35.6 3.70	35.9 3.40	35.6 3.70	35.4 3.90	N line C
1+00	34.5 4.80	34.9 4.40	35.7 3.60	35.9 3.40	35.5 3.80	35.3 4.00	
25	34.7 4.60	35.1 4.20	36.0 3.30	36.1 3.20	35.7 3.60	35.4 3.90	
50	34.9 4.40	35.2 4.10	36.0 3.30	~~35.9~~ 36.2 3.10	35.9 3.40	35.5 3.80	
75	35.1 4.20	35.5 3.80	36.2 3.10	36.2 3.10	35.9 3.40	35.7 3.60	
2+00	35.3 3.90	35.6 3.70	36.3 3.00	36.5 2.80	36.1 3.20	35.9 3.40	S line B. st

1st St Cross Section

Stat	West Gutter	Middle	West Center	East Center	Mid	East Gutter	
	35.8	36.0	36.6	36.6	36.3	35.9	
	3.50	3.30	2.70	2.70	3.00	3.40	
	35.5	36.0	36.8	36.8	35.6	36.0	
	3.80	3.30	2.50	2.50	2.70	3.30	
	35.6	36.2	37.8 (45.23)	37.0 ~~36.8~~	36.8	36.2	
	9.60	9.00	8.20	8.20	8.40	9.00	
	35.9	36.3	37.0	37.2	37.2	36.4	
	9.30	8.90	8.20	8.00	8.00	8.80	
	36.1	36.4	37.1	37.3	37.2	36.6	
	9.10	8.80	8.10	7.90	8.00	8.60	
	36.1	36.6	37.3	37.3	37.5	36.8	
	9.10	8.60	7.90	7.90	7.70	8.40	
3+00	36.3	36.8	37.6	37.6	37.4	37.0	
	8.90	8.40	7.60	7.60	7.80	8.20	S line B.
14 36.6	36.8	37.2	37.7	37.7	37.7	37.2	37.2
	8.40	8.00	7.50	7.50	7.50	8.00	8.00
40 36.8	37.3	37.7	37.9	38.0	38.1	37.9	37.6
	7.90	7.50	7.30	7.20	7.10	7.30	7.60
66 36.9	37.0	37.8	38.3	38.4	38.0	37.8	37.8
	8.20	7.40	6.90	6.80	7.20	7.40	7.40
0+0	37.1	38.2	38.7	38.7	38.4	37.7	
	8.10	7.00	6.50	6.50	6.80	7.50	N line B.
	37.6	38.4	39.2	39.2	38.7	38.3	
	7.60	6.80	6.00	6.00	6.50	6.90	
	38.1	39.0	39.9	39.9	39.6	39.7	
	7.10	6.20	5.30	5.30	5.60	5.70	
	39.1	39.9	40.8	40.8	40.7	40.2	
	6.10	5.30	4.40	4.40	4.50	5.00	
	39.9	40.5	41.5	41.7	41.5	41.0	
	5.30	4.70	3.70	3.50	3.70	4.20	
	40.7	41.5	42.4	42.5	42.1	41.7	
	4.50	3.70	2.80	2.70	3.10	3.50	
	42.1	42.3	43.1	43.2	42.9	42.6	
	3.10	2.90	2.10	2.00	2.30	2.60	
	42.8	43.1	43.9	43.9	43.5	43.1	
	2.40	2.10	1.30	1.30	1.70	2.10	
	43.7	44.2	44.8	44.9	44.2	43.9	
	1.50	1.00	0.40	0.30	1.00	1.30	
	44.4	45.1	45.7 (54.43)	45.7	45.1	44.9	
	10.00	9.30	8.70	8.70	9.30	9.50	
	45.6	46.0	46.6	46.5	46.0	45.7	
	8.80	8.40	7.80	7.90	8.40	8.70	

39.35
3.49
3586
9.37
4523
0.62
4461
9.82
5443

1st St Cross Section

Stat	West Gutter	Mid	West Center	East Center	Mid	East Gutter	
	46.5	47.1	47.6	47.4	46.7	46.6	
	7.90	7.30	6.80	7.00	7.70	7.80	
	47.3	47.8	48.2	48.2	47.6	47.0	
	7.10	6.60	6.20	6.20	6.80	7.40	S line A
47.6	47.7	48.3	48.6	48.7	48.2	47.4	47.8
6.80	6.70	6.10	5.80	5.70	6.20	7.00	6.60
48.9	48.8	48.8	49.2	49.3	49.0	48.4	49.0
5.50	5.60	5.60	5.20	5.10	5.40	6.00	5.40
48.9	49.0	49.4	49.9	49.9	49.6	48.9	49.2
5.50	5.40	5.00	4.50	4.50	4.80	5.50	5.20
	49.3	49.5	50.2	50.2	49.7	49.2	
	5.10	4.90	4.20	4.20	4.70	5.20	N line A
	49.9	50.1	50.8	50.9	50.6	50.2	
	4.50	4.30	3.60	3.50	3.80	4.20	
	50.4	51.0	51.6	51.7	51.5	50.8	
	4.00	3.40	2.80	2.70	2.90	3.60	
	50.6	50.6	52.2	52.3	52.1	51.2	
	3.80	3.80	2.20	2.10	2.30	3.20	
	51.9	52.3	52.9	53.0	52.9	51.8	
	2.50	2.10	1.50	1.40	1.50	2.60	
	52.4	52.8	53.6	53.6	53.5	52.4	
	2.00	1.60	0.80	0.80	0.90	2.00	
	53.1	53.7	54.3 (61.46)	54.3	54.0	53.2	
	8.40	7.80	7.20	7.20	7.50	8.30	
	53.5	54.0	54.9	54.9	54.8	54.2	
	8.00	7.50	6.60	6.60	6.70	7.30	
	54.0	54.5	55.5	55.5	55.4	55.0	
	7.50	7.00	6.00	6.00	6.10	6.50	
	54.5	55.2	56.2	56.1	55.9	55.6	
	7.00	6.30	5.30	5.40	5.60	5.90	
	55.1	56.1	56.8	56.8	56.7	56.2	
	6.40	5.40	4.70	4.70	4.80	5.30	
	55.6	50.5	57.4	57.5	57.4	56.8	
	5.90	5.00	4.10	4.00	4.10	4.70	
	56.5	57.1	57.9	58.0	58.1	57.6	
	5.00	4.40	3.60	3.50	3.40	3.90	S line Ash
56.8	56.8	58.3	58.4	58.4	58.4 ~~57.9~~	57.9	58.1
4.70	4.70	3.80	3.20	3.10	3.10	3.60	3.40
57.9	58.1	58.5	58.7	58.9	58.9	58.6	59.5
3.60	3.40	3.00	2.80	2.60	2.60	2.90	2.00
57.0	57.4	58.1	58.9	59.1	59.3	59.1	59.4
4.50	4.10	3.40	2.60	2.40	2.10	2.40	2.10

54.43
111
5332
814
6146

1st Street Cross Section

Stat	West Gutter	Mid	West Center	East Center	Mid	East Gutter.	
	57.5	58.2	59.0	59.8	59.5	59.4	N line Ash
	4.00	3.30	2.60	2.20	2.00	2.10	
	57.9	58.6	59.6 (59.9)	59.7	59.5	59.4	
	8.00	7.30	6.40	6.20	6.40	6.50	
	58.2	58.7	59.1	59.4	59.8	59.6	
	7.70	7.20	6.30	6.00	6.10	6.30	
	58.4	59.1	60.0	60.3	60.4	59.7	
	7.50	6.80	5.90	5.60	5.80	6.20	
	58.8	59.1	60.3	60.6	60.5	59.9	
	7.10	6.80	5.60	5.30	5.40	6.00	
	59.0	59.7	60.1	60.4	60.7	60.3	
	6.90	6.20	5.30	5.00	5.20	5.60	
	59.3	60.1	61.0	61.3	60.9	60.7	
	6.60	5.80	4.90	4.60	5.00	5.20	
	59.5	60.3	61.1	61.4	61.1	60.9	
	6.40	5.60	4.80	4.50	4.80	5.00	
	60.1	60.8	61.6	61.6	61.3	61.1	
	5.80	5.10	4.30	4.30	4.60	4.80	
	60.3	61.2	62.0	61.9	61.7	61.7	
	5.66	4.70	3.90	4.00	4.20	4.20	
	60.4	61.1	62.3	62.3	62.0	62.0	
	5.00	4.20	3.60	3.60	3.90	3.90	
	61.2	61.8	62.4	62.5	62.4	62.4	
	4.70	4.10	3.50	3.40	3.50	3.60	
	62.0	62.6	62.9	63.0	63.0	62.7	
	3.90	3.30	3.00	2.90	2.90	3.20	S line Beach
61.1	62.4	62.9	63.2	63.3	63.2	62.8	63.0
4.30	3.50	3.00	2.70	2.60	2.70	3.10	2.96
62.6	63.3	63.7	63.7	63.7	63.9	63.2	64.3
3.30	2.60	2.20	2.20	2.20	2.00	2.70	1.60
62.4	63.0	63.6	64.0	64.2	64.2	63.7	63.9
3.50	2.90	2.30	1.90	1.70	1.70	2.20	2.00
	62.8	63.5	64.2	64.3	64.3	64.0	
	3.10	2.40	1.70	1.60	1.60	1.90	N line Beach
	63.4	64.0	64.6	64.8	64.6	64.3	
	2.50	1.90	1.30	1.10	1.30	1.60	
	63.8	64.5	65.1	65.1	64.9	64.7	
	2.10	1.40	0.80	0.80	1.00	1.20	
	64.4	65.1	65.6	65.5	65.3	65.1	
	1.50	0.80	0.30	0.40	0.60	0.80	
	64.5	65.3	65.9 (70.4)	66.0	65.9	65.5	
	6.00	5.20	4.70	4.50	4.60	5.00	

61.46
3.47
57.99
7.94
65.93
1.24
64.69
65.75
70.47

past Sheet X See

78.97
71.90 B M Cedar
7.07

Stat	West Gutter	Midd	West Centre	East Centre	Mid	East Gutter	
			(70.47)				
	64.9	65.7	66.3	66.5	66.3	65.8	
	5.60	4.80	4.20	4.00	4.20	4.70	
	65.5	66.4	66.8	66.8	66.9	66.3	
	5.00	4.10	3.70	3.70	3.60	4.20	
	65.7	66.6	67.3	67.4	67.2	66.8	
	4.80	3.90	3.20	3.10	3.30	3.70	
	66.2	66.9	67.7	67.7	67.9	67.3	
	4.30	3.60	2.80	2.80	2.60	3.20	
	66.7	67.2	68.0	68.3	68.4	67.9	
	3.80	3.30	2.50	2.20	2.10	2.60	
	67.0	67.8	68.5	68.8	68.9	68.4	
	3.50	2.70	2.00	1.70	1.60	2.10	
	67.7	68.1	69.0	69.3	69.4	68.8	
	2.80	2.40	1.50	1.20	1.10	1.70	
	68.2	68.9	69.7	69.8	69.8	69.4	
	2.30	1.60	0.80	0.70	0.70	1.10	S line Cedar
67.8	68.5	69.2	69.9 (78.97)	70.2	70.2	69.7	69.9
11.20	10.50	9.80	9.10	8.50	8.80	9.30	9.10
68.8	69.1	69.5	69.9	70.2	70.4	70.1	70.9
10.20	9.90	9.50	9.10	8.80	8.60	8.90	8.10
68.2	68.4	69.5	70.4	70.6	70.8	70.6	70.9
10.80	10.60	9.50	8.60	8.40	8.20	8.40	8.10
	68.4	69.3	70.6	70.9	70.8	70.8	
	10.60	9.70	8.40	8.10	8.20	8.20	N line Cedar
	69.0	69.8	71.2	71.4	71.3	71.2	
	10.00	9.20	7.80	7.60	7.70	7.80	
	69.9	70.5	72.0	72.1	71.9	72.0	
	9.10	8.50	7.00	6.90	7.10	7.00	
	70.9	71.7	72.8	73.1	72.8	72.9	
	8.10	7.30	6.20	5.90	6.20	6.10	
	~~73.2~~ 72.3	~~73.6~~ 72.7	74.89	~~75.0~~ 74.1	74.10	74.0	
	6.70	6.30	5.10	4.90	5.00	5.00	
	73.5	74.0	74.9	75.2	75.0	74.8	
	5.50	5.00	4.10	3.80	4.00	4.20	
	74.5	75.1	76.1	76.3	76.1	76.0	
	4.50	3.90	2.90	2.70	2.90	3.00	
	75.8	76.3	77.3	77.4	77.2	76.7	
	3.20	2.70	1.70	1.60	1.80	2.30	
	77.1	77.8	78.5	78.7	78.6	78.1	
	1.90	1.20	0.50	0.30	0.40	0.90	
	78.2	78.8	79.6 (89.05)	79.9	79.8	79.7	
	10.80	10.20	9.40	9.10	9.20	9.30	

70.47
2.24
68.23
10.74
78.97
0.68
78.29
10.76
89.05

1st sheet x C

89.05
470
8435 [illegible]
Watts [illegible]

(89.05)

Stat	West Gutter	Mid	West Center	East Center	Mid	East Gutter	
	79.5	80.1	81.0	81.0	81.0	80.9	
	9.50	8.80	8.00	8.00	8.00	8.10	
	81.2	81.6	82.2	82.3	82.3	82.1	
	7.80	7.40	6.50	6.70	6.70	6.90	
	82.3	83.0	83.2	83.5	83.6	83.4	
	6.70	6.00	5.80	5.50	5.40	5.60	Slime Date
82.8	82.8	83.3	84.3	84.3	84.5	84.0	84.1
6.20	6.20	5.70	4.70	4.70	4.50	5.00	4.90
84.7	85.0	85.1	85.5	85.8	86.0	85.8	86.4
4.30	4.00	3.90	3.50	3.20	3.00	3.20	2.60
84.5	84.7	85.5	86.3	86.7	86.8	86.5	86.5
4.50	4.30	3.50	2.70	2.30	2.20	2.50	2.50
	85.30	85.90	86.70	87.56	87.30	86.90	
	3.80	3.20	2.40	1.50	1.50	2.20	N slime Date
	86.40	87.50	88.16	88.66	88.90	88.80	
	2.70	1.60	1.60	0.57	0.37	0.30	
	~~86.90~~ 87.61	~~88.80~~ 88.80	~~88.96~~ 89.60 (99.8[illegible]	~~[illegible]~~ 89.81	~~89.56~~ 90.20	~~89.60~~ 90.30	
	12.20	11.00	10.20	10.00	9.60	9.50	
	~~88.80~~ 89.50	~~89.70~~ 90.40	~~90.50~~ 91.20	~~90.80~~ 91.50	~~91.10~~ 91.80	~~91.00~~ 91.70	
	10.30	9.40	8.60	8.30	8.00	8.10	
	~~90.60~~ 91.30	~~91.80~~ 92.50	~~92.60~~ 93.30	~~92.60~~ 93.30	~~92.70~~ 93.40	~~92.70~~ 93.40	
	8.50	7.30	6.50	6.50	6.40	6.40	
	93.50	94.30	95.10	95.30	95.50	95.46	
	6.50	5.50	4.70	4.50	4.30	4.40	
	95.30	96.50	97.36	97.20	97.40	97.20	
	4.50	3.30	2.50	2.60	2.40	2.60	
	97.40	98.50	99.00	99.30	99.50	99.30	
	2.40	1.30	0.80	0.50	0.30	0.50	
	98.90	100.00	100.96 (110.47)	101.00	101.20	101.20	
	11.50	10.40	9.50	9.40	9.20	9.20	
	100.60	102.00	102.50	102.90	103.20	103.50	
	9.80	8.40	7.90	7.50	7.20	6.90	
	102.30	103.70	104.50	104.80	105.00	105.10	
	8.10	6.70	5.90	5.60	5.40	5.30	
	104.10	105.30	106.30	106.50	106.80	106.80	
	6.36	5.10	4.10	3.90	3.60	3.60	
	106.20	107.20	108.00	108.40	108.40	108.30	
	4.20	3.20	2.40	2.00	2.00	2.10	Slime Elim
106.70	107.40	108.60	108.90 (115.0[illegible])	109.30	109.30	109.10	109.40
8.30	7.60	9.00	6.[illegible]	6.70	6.70	6.90	5.60
108.80	109.30	109.40	110.30	111.00	111.40	111.20	111.50
6.20	5.70	5.60	4.70	4.00	3.60	3.80	3.50

105.01
3.12
101.89

115.01
3.12
111.8 9 on B.M.

89.05
0.43
88.62
11.19
99.81
0.47
99.34
11.08
110.42
3.21
107.21
7.80
115.01

1st St X Section

Stat	West Gutter	Mid	West Center	East Center	Mid	East Gutter	
109.70	110.00	111.10	112.00	112.70	112.50	112.50	112.30
5.30	5.00	3.90	3.00	2.30	2.50	2.50	2.70
	110.80	111.80	112.70	113.60	113.50	113.00	
	4.20	3.20	2.30	1.40	1.50	2.00	N line Elm
	112.20	112.90	(127.69)	114.40	114.70	114.40	
	10.60	9.80	14.60	8.30	8.00	8.30	
	113.90	114.80	8.70	115.90	116.20	116.20	
	8.80	7.90	115.70	6.80	6.50	6.50	
	115.20	116.30	7.00	117.40	117.80	117.50	
	7.50	6.40	117.10	6.30	5.40	5.20	
	117.10	118.20	5.60	118.70	119.70	119.00	
	5.66	4.60	118.40	4.00	4.00	3.70	
	118.60	119.40	4.30	120.50	120.50	120.90	
	4.10	3.30	120.20	2.20	2.20	1.80	
	120.40	121.10	2.60	122.10	122.20	122.30	
	2.30	1.60	122.10	0.60	0.60	0.40	
	122.20	122.30	0.60	(134.04) 123.80	123.80	123.90	
	11.80	11.70	(123.74) 10.30	10.20	10.20	10.10	
	123.60	124.30	125.40	125.70	125.40	125.70	
	10.40	9.70	8.60	8.30	8.60	8.30	
	125.50	126.50	127.10	127.30	127.30	127.50	
	8.60	7.60	6.90	6.70	6.70	6.50	
	127.40	128.00	129.00	129.00	129.40	129.70	
	6.60	6.00	5.00	6.00	4.60	4.30	
	129.10	129.70	130.70	130.80	131.00	131.70	
	4.90	4.30	3.30	5.20	3.00	2.30	
	130.70	131.10	132.30	132.50	132.60	133.50	
	3.30	2.90	1.70	1.50	1.40	0.50	S line Fir
134.60	131.60	132.30	(135.25)	133.30	133.60	134.40	134.10
13.70	12.70	12.00	11.20	11.00	10.70	10.20	10.20
131.90	133.20	133.70	134.20	134.20	135.06	135.50	136.00
12.40	11.15	10.66	10.10	10.10	9.32	8.50	8.30
133.30	133.30	134.20	135.20	135.40	135.50	136.00	136.70
11.00	11.00	10.10	9.10	8.90	8.50	8.30	7.60
	134.00	134.60	135.70	135.70	135.90	136.40	
	10.30	9.70	8.60	8.60	8.40	7.90	N line Fir
	135.30	135.80	137.00	137.00	137.20	137.80	
	9.00	8.50	7.30	7.30	7.10	6.50	
	136.60	137.10	138.20	138.20	138.50	139.00	
	7.70	7.20	6.10	6.10	5.80	5.30	
	138.30	138.60	139.70	139.60	139.90	140.50	
	6.00	5.70	4.60	4.70	4.40	3.80	

114.25
.42
137.83

11191
1078
12269
0132
12337
1167
13504
117
13287
11.38
04.25

Stat	West Gutter	Mid	West Center	East Center	Mid	East Gutter	
	139.70 4.60	140.00 4.30	141.10 3.20	141.10 3.20	141.60 2.70	141.70 2.60	
	141.00 3.30	141.50 2.80	142.30 2.00	142.60 1.70	142.80 1.50	143.00 1.30	
	142.00 2.30	142.50 1.80	143.50 0.80	143.50 0.80	143.40 0.90	143.90 0.40	
	142.50 5.40	142.90 5.00	(147.85) 144.08	143.80 4.10	143.80 4.10	144.30 3.60	
	142.80 5.10	143.10 4.80	143.70 4.20	143.90 4.00	143.90 4.00	144.80 3.10	
	142.50 5.40	142.90 5.00	143.50 4.40	143.90 4.00	143.90 4.00	144.40 3.50	
	142.00 5.90	142.50 5.40	143.20 4.70	143.40 4.50	143.30 4.60	143.60 4.30	
	141.40 6.50	142.00 5.90	142.90 5.00	143.10 4.80	143.00 4.90	143.20 4.70	
	140.40 7.50	141.20 6.70	142.40 5.50	142.90 5.00	142.80 5.10	143.10 4.80	S line Grape
139.70 8.20	140.50 7.40	141.00 6.90	142.30 5.60	143.10 4.80	142.70 5.20	143.30 4.60	143.90 4.00
139.10 8.80	139.50 8.40	140.10 7.80	141.60 6.30	142.50 5.40	142.80 5.30	143.10 4.80	144.50 3.40
138.20 9.70	138.50 9.40	139.30 8.60	140.60 7.30	141.40 6.50	141.10 6.80	141.60 6.30	142.10 5.80
136.90 11.00	138.40 9.50	138.90 9.00	140.30 7.60	140.90 7.00	140.70 7.20	141.20 6.70	N line Grape
138.40 9.50	139.20 8.70	139.20 8.70	140.20 7.70	141.40 6.50	141.70 6.50	141.70 6.20	
139.70 8.20	140.70 7.20	140.80 7.10	141.90 6.00	142.60 5.30	142.60 5.30	142.90 5.00	
142.40 5.50	142.70 5.20	142.50 5.40	143.50 4.40	144.00 3.90	143.70 4.20	143.70 4.20	
144.90 3.00	145.10 2.80	144.90 3.00	145.90 2.00	145.70 2.20	145.40 2.50	145.40 2.50	
147.60 11.00	147.30 11.30	147.40 11.20	(158.59) 148.30 10.30	148.00 10.60	147.70 10.90	147.40 11.20	
149.40 9.20	149.50 9.10	149.90 8.70	150.90 7.70	150.90 7.70	150.30 8.30	150.10 8.50	
	151.40 7.20	151.60 7.00	152.90 5.70	153.20 5.40	152.90 5.70	152.80 5.80	
	153.20 5.40	153.90 4.70	155.00 3.60	155.10 3.50	155.10 3.50	155.60 3.00	

144.25
0.78
143.47
4.38
147.85
0.97
146.88
11.71
158.59

Stat	West Gutter	Mid	West Center	East Center	Mid	East Gutter		
	155.50	155.90	157.10	157.40	157.40	157.60		158.59
	3.10	2.70	1.50	1.20	1.20	1.00		1.85
	157.60	158.40	159.20 (168.26)	159.30	159.40	159.90		156.74
	10.70	9.90	9.10	9.00	8.90	8.40		11.52
	159.50	160.40	161.10	161.20	161.20	161.80		168.26
	8.80	7.90	7.20	7.10	7.10	6.50		0.23
	161.30	162.50	162.90	163.00	163.00	163.40		168.03
	7.00	5.80	5.40	5.30	5.30	4.90	Sline Hawthorne	11.44
162.30	162.00	163.20	153.70	164.10	164.30	164.80	165.40	179.47
6.00	6.30	5.10	4.60	4.20	4.00	3.50	2.90	1.05
163.70	164.00	164.60	165.30	165.80	166.00	166.50	167.60	178.42
4.60	4.30	3.70	3.00	2.50	2.30	1.80	0.70	11.58
164.50	164.80	165.20	166.00	166.60	166.80	167.30	167.70	190.00
3.80	3.50	3.10	2.30	1.70	1.50	1.00	0.60	1.85
	165.30	165.70	166.60	167.40	167.60	167.90		
	3.00	2.60	1.70	0.90	0.70	0.40	N line Hawthorne	188.15
	166.50	166.50	(179.47) 167.90	168.90	169.00	169.00		
	13.00	13.00	11.60	10.60	10.50	10.50		
	167.70	168.50	169.50	170.30	170.50	170.70		
	11.80	11.00	10.00	9.20	9.00	8.80		
	169.30	169.90	171.40	171.80	171.70	171.80		
	10.20	9.60	8.10	7.70	7.80	7.70		
	170.80	171.80	173.00	173.30	173.20	173.30		
	8.70	7.70	6.50	6.20	6.30	6.20		
	172.30	173.20	174.60	175.10	175.10	175.10		
	7.20	6.30	4.90	4.40	4.40	4.40		
	174.20	175.60	176.70	177.00	176.80	177.00		
	5.30	3.90	2.80	2.50	2.70	2.50		
	176.40	177.40	178.30	178.70	178.70	178.80		
	3.10	2.10	1.20	0.80	0.80	0.70		
	178.60	179.30	180.30 (190.00)	180.60	180.50	180.80		
	11.40	10.70	9.70	9.40	9.50	9.20		
	180.40	181.30	182.20	182.20	182.20	182.60		
	9.60	8.70	7.80	7.80	7.80	7.40		
	181.80	182.80	184.00	184.20	184.10	184.40		
	8.20	7.20	6.00	5.80	5.90	5.60		
	183.60	184.50	185.60	186.00	186.00	186.10		
	6.40	5.50	4.40	4.00	4.00	3.90		
	185.50	186.40	187.50	187.70	187.80	188.30		
	4.50	3.60	2.50	2.30	2.20	1.70	Sline Ivy	
186.60	186.30	187.40	188.00	188.50	188.70	188.80	189.70	
3.40	3.70	2.60	2.00	1.50	1.30	1.20	0.30	

Stat	West Gutter	Mid	West Center	East Center	Mid	East Gutter
			(200.05)			
187.80	188.20	188.60	188.80	189.20	189.60	190.10 190.90
12.20	11.80	11.40	11.20	10.80	10.40	9.90 9.10
187.70	188.00	189.00	189.40	189.80	190.10	190.20 190.90
12.30	12.00	11.00	10.60	10.20	9.90	9.80 9.10
	188.30	189.00	189.60	190.30	190.40	190.60
	11.70	11.00	10.40	9.70	9.60	9.40 Dry
	188.80	189.90	190.40	190.90	191.00	191.20
	11.20	10.10	9.60	9.10	9.00	8.87
	189.70	190.50	191.30	191.70	191.80	191.60
	10.30	9.50	8.70	8.30	8.20	8.40
	190.40	191.30	192.10	192.40	192.60	192.60
	9.60	8.70	7.90	7.60	7.40	7.40
	191.40	192.20	193.00	193.40	193.50	193.30
	8.66	7.80	7.00	6.60	6.50	6.70
	192.20	193.20	193.80	194.00	194.30	194.00
	7.80	6.80	6.20	6.00	5.70	6.00
	193.10	194.00	194.80	195.10	195.20	195.00
	6.90	6.00	5.20	4.90	4.80	5.00
	193.80	194.80	195.60	195.70	195.80	195.80
	6.20	5.20	4.40	4.30	4.20	4.20
	195.00	195.40	196.40	196.60	196.70	196.60
	6.00	4.60	3.60	3.40	3.30	3.40
	195.80	196.70	197.30	197.70	197.90	197.90
	4.20	3.30	2.70	2.30	2.10	2.10
	196.90	197.80	198.40	198.90	199.10	199.00
	3.10	2.20	1.60	1.10	0.90	1.00
	197.80	198.80	(211.06)	199.80	200.00	199.90
	13.30	12.20	11.70	11.30	11.10	11.20
	198.80	199.80	200.10	200.50	200.80	200.70
	12.30	11.30	11.00	10.60	10.30	10.40 S line Jumper
199.10	199.20	200.00	200.50	201.00	201.20	201.30 201.80
12.00	11.90	11.10	10.60	10.10	9.90	9.80 9.30
200.10	200.70	201.20	201.50	201.90	202.40	202.70 202.90
11.00	10.46	9.96	9.60	9.20	8.70	8.40 8.20
201.10	201.10	201.90	202.30	202.40	202.70	203.00 203.80
10.00	10.00	9.20	8.80	8.70	8.40	8.10 7.30
	201.40	202.10	202.70	202.80	203.10	203.20
	9.70	9.00	8.40	8.30	8.00	7.90 N line Jumper
	202.20	202.80	203.20	203.40	203.60	203.60
	8.90	8.30	7.90	7.70	7.50	7.60
	202.60	203.40	203.90	204.00	204.20	204.20
	8.50	7.70	7.20	7.10	6.90	6.90

188.16
11.90
200.06
094
19911
1196
21106

899
9
908

Stat	West Gutter	Mid	West Cent	East Cent	Mid	East Gutter	
	203.40	203.80	204.60	205.00	205.10	205.10	
	7.70	7.30	6.50	6.10	6.00	6.00	
	203.90	204.60	205.10	205.60	205.80	205.60	
	7.20	6.50	6.00	5.50	5.30	5.50	
	204.70	204.80	205.90	206.10	206.30	206.50	
	6.40	6.30	5.20	5.00	4.80	4.60	
	205.10	205.90	206.50	206.80	206.80	207.10	
	6.00	5.20	4.60	4.30	4.30	4.00	
	205.80	206.40	207.10	207.50	207.60	207.30	
	5.30	4.70	4.00	3.60	3.50	3.80	
	206.30	207.10	207.90	208.10	208.30	208.00	
	4.80	4.00	3.20	3.00	2.80	3.10	
	207.30	207.90	208.70	208.90	209.00	208.50	
	3.80	3.20	2.40	2.20	2.10	2.60	
	208.00	208.60	209.30	209.30	209.50	208.90	
	3.10	2.50	1.80	1.80	1.60	2.20	
	208.90	209.30	210.10	210.10	210.40	209.80	
	2.20	1.80	1.00	1.00	0.70	1.30	
	209.50	210.00	210.70	211.10	211.10	210.90	
	1.60	1.10	0.40	0.00	0.00	0.20	Saline Kal
210.70	210.00	210.50	211.00	(219.73) 211.30	211.60	211.60	211.90
9.00	9.70	9.20	8.70	8.40	8.10	8.10	7.80
210.30	211.20	211.50	211.80	211.90	212.30	212.60	213.10
9.40	8.50	8.20	7.90	7.80	7.40	7.10	6.60
211.00	211.30	211.80	212.20	212.40	212.60	212.50	213.00
8.70	8.40	7.90	7.50	7.30	7.10	7.20	6.70
	211.00	212.00	212.50	212.80	212.80	212.70	
	8.70	7.70	7.20	6.90	6.90	7.00	N line Kalum
	211.90	212.70	213.30	213.60	213.70	213.60	
	7.80	7.00	6.40	6.10	6.00	6.10	
	212.40	213.50	214.10	214.30	214.60	214.60	
	7.30	6.20	5.60	5.40	5.10	5.10	
	213.20	214.10	214.90	215.20	215.30	215.10	
	6.50	5.60	4.80	4.50	4.40	4.60	
	214.20	215.20	215.70	216.10	216.10	216.20	
	5.50	4.50	4.00	3.60	3.60	3.50	
	215.00	215.70	216.40	216.90	216.90	217.00	
	4.70	4.00	3.30	2.80	2.80	2.70	
	215.90	216.50	217.30	217.60	217.60	217.70	
	3.80	3.20	2.40	2.10	2.10	2.00	
	216.70	217.20	218.10	218.50	218.30	218.30	
	3.00	2.50	1.60	1.20	1.40	1.40	

211.06
032
210.74
899
219.73
271
217.02 T.P.
962
221.64

Stat	West Gutter	Mid	West Center	East Center	Mid	East Gutter
			226.64			
	217.6	218.2	219.0	219.0	219.2	219.4
	9.00	8.40	7.60	7.60	7.40	7.20
	~~220.1~~ 218.3	218.9	219.9	220.1	220.1	220.2
	8.30	7.70	6.70	6.50	6.50	6.40
	219.2	219.9	220.6	221.3	221.3	221.3
	7.40	6.70	6.00	5.30	5.30	5.30
	219.9	220.7	221.8	222.2	222.2	222.0
	6.70	5.90	4.80	4.40	4.40	4.60
	220.7	221.8	222.6	223.0	223.0	222.6
	5.90	4.80	4.00	3.60	3.60	4.00
220.9	221.2	222.0	222.5	222.9	223.1	222.9
5.70	5.40	4.60	4.10	3.70	3.50	3.70
221.8	222.2		Center			223.8
4.90	4.40		223.3 3.30			2.80
221.4	222.3		223.3			223.5
5.20	4.30		3.30			3.10
	222.2		224.0			223.7
	4.40		2.60			2.90
	222.6		224.3			223.9
	4.00		2.30			2.70
	222.6		224.6			224.5
	4.00		2.00			2.10
	223.1		225.7			224.6
	3.50		1.90			2.00
	223.4		225.0			225.0
	3.20		1.60			1.60
	223.8		(232.50) 225.7			226.0
	8.70		6.80			6.50
224.1	224.1		226.2			226.4
8.40	8.40		6.30			6.10
224.0	224.5		~~226.6~~ 226.6			226.8
8.50	8.00		5.90			5.70
224.7	225.0		227.2			226.8
7.80	7.50		5.30			5.70
225.5	225.5		227.6			227.2
7.00	7.00		4.90			5.30
226.4	226.1		227.8			228.0
6.10	6.40		4.70			4.50
226.8	226.5		228.2			228.0
5.70	6.00		4.30			4.50
227.2	226.8		228.6			228.2
5.30	5.70		3.90			4.30

225.53
406
229.59
222.59
7.00

226.64
111
225.53
697
232.50

S line Laurel

222.7
3.90
223.9
2.70
223.7
2.90

Nelson Laurel

Strip of land 200 ft long - average width of 2 ft, average depth 1.5 ft - also strip of land next to property line average width 2 ft, average depth 1.5 ft & 200 ft long, both on East side between Laurel & Maple

Levels on Cedar for Sidewalks

Stat	North	South	
		(83.44)	
	171.30	170.50	
0+0	12.10	12.90	
	174.40	173.50	
50	9.00	9.90	
	178.90	177.50	
1+00	4.50	5.90	
	183.40	180.90	
50	0.00	2.50	(94.56)
	87.90	84.50	
2+00	6.76	10.10	
	94.06	88.40	
	on top Curb		
0+0	2.60	6.20	
50		92.40	
		2.20	
1+00		96.6	(105.03)
		8.76	
50		100.5	
		4.80	
2+00		104.9	
		0.37 on top Curb	

	71.90 BM
	11.54
East line 1st	83.44
	0.46
	82.98
	11.58
	94.56
	0.18.7
West line 2nd	93.69
	11.56
East " "	105.25
West line 3rd	
East line 3rd	

Levels on Data for Sidewalk 100.19

Stat	North	South	
			(134.74)
	131.60	130.50	
0+0	8.20	4.20	
50	129.80	128.30	
	4.90	6.40	
1+00	127.70	126.20	
	7.00	8.50	
50	125.50	123.60	
	9.20	11.10	
2+00	123.10	121.50	(124.57)
	11.50	13.10	
0+0	121.30		
	2.90		
50	118.60		
	6.00		
	115.60	115.00	
1+00	9.00	9.60	
	112.20	112.30	(113.82)
50	1.60	1.50	
	110.70	110.30	
2+00	3.10	3.50	
	107.60	106.80	
0+0	3.80	5.50	
50		103.30	
	7.80 on curb	7.90	
1+00	105.30	102.60	
	8.50	11.20	
50	103.00	100.70	(103.80)
	0.80	3.10	
2+00	101.40	98.80	
	2.40	5.00	
0+0	99.20	95.60	
	4.60	8.20	
	96.00	93.00	
	7.80	10.80	
	93.20	90.20	(95.14)
	1.90	4.90	
	91.40	87.20	
	5.00	7.90	
	87.60	84.90	
	7.50	10.20	

West line 5th st

East side 4th

West " 4th

East line 2nd

West line 2nd

133.68
1.06

134.74 — 11.20 — 123.04 — 1.63 — 124.67 — 11.20 — 113.47 — 0.45 — 113.02 — 10.50 — 102.52 — 8.91 — 94.07 — 0.26 — 94.32

102.98 — 0.71 — 99.27 — 124.67 — 11.20 — 113.47 — 0.45 — 113.02 — 10.50 — 102.52 — 8.91 — 93.61 — 0.26 — 93.35

11300 — 36 — 10964

95.14 — 7.20 — 87.94

102.60 — 10.50 — 113.00 — 0.46 — 112.54 — 11.20 — 123.74

94.32 — 7.20 — 97.12

Cross Section Nutmeg St

Stat-	North	Cent	Center	Cent	South
West line 2nd	254.3	(255.14) 254.0	253.4	252.3	252.1
0+0	3.80	4.10	4.70	5.80	6.00
	255.4	255.2	254.9	254.3	254.4
60	2.70	2.90	3.20	3.80	3.70
	255.7	255.5	254.9	254.4	254.5
1+00	2.40	2.60	3.20	3.70	3.60
8.29					
245.00					
253.29	253.29	253.29	253.29	253.29	253.29
246.00	247.12	248.25	249.37	250.50	
7.29	6.17	5.04	3.92	2.79	

249.82
8.82

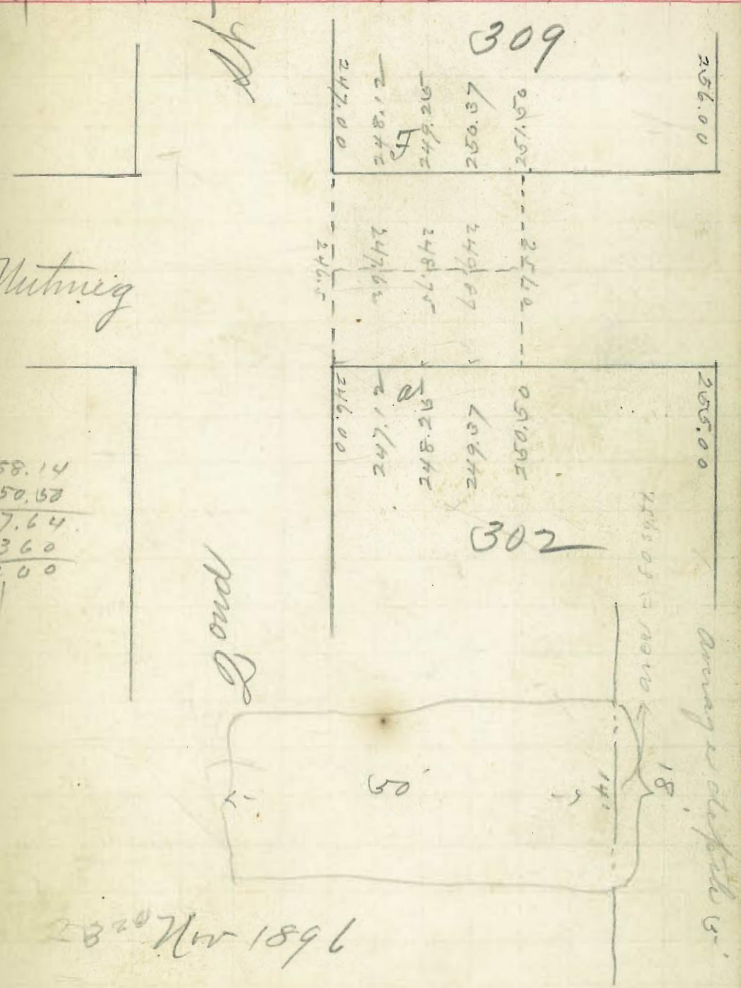
258.14	258.14	258.14	258.14	258.14
247	249.26	251.50	246.00	248.25
1.14	8.88	6.64	12.14	9.89
350	2.70	2.4	6)	3.70
7.84	6.18	4.24	6.14	6.19

253.22	253.95	253.95	253.95	253.95
11.00	248.75	251.00	249.87	251.70
242.22	5.20	2.95	4.08	2.20
245.73	253.95	253.95	253.95	253.95
245.00	249.50	250.65	246.37	247.25
8.82	4.45	3.33	5.58	6.70
253.95	253.95	253.95	253.95	253.95
246.50	247.37	248.50	249.62	250.75
7.45	6.58	5.45	4.33	3.20

253.29	253.29	253.29	253.29	253.29
247.00	248.12	249.25	250.37	251.50
6.29	5.17	4.04	2.92	1.79

Bet 2nd & 3rd for Clark
Nov 5 1896

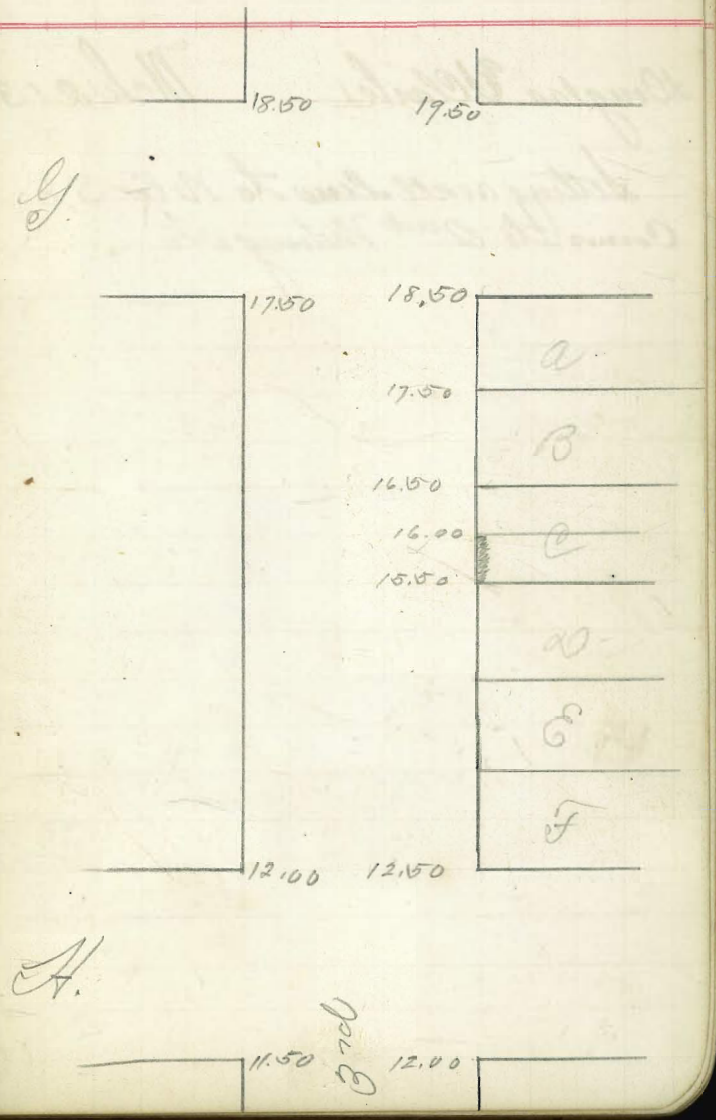
253.29	253.29	253.29	253.29	253.29
246.60	247.62	248.75	249.87	251.00
6.79	5.67	4.54	3.42	2.29



28th Nov 1896

19.95
0.69

20.64	20.64
16.00	16.50
4.64	5.10

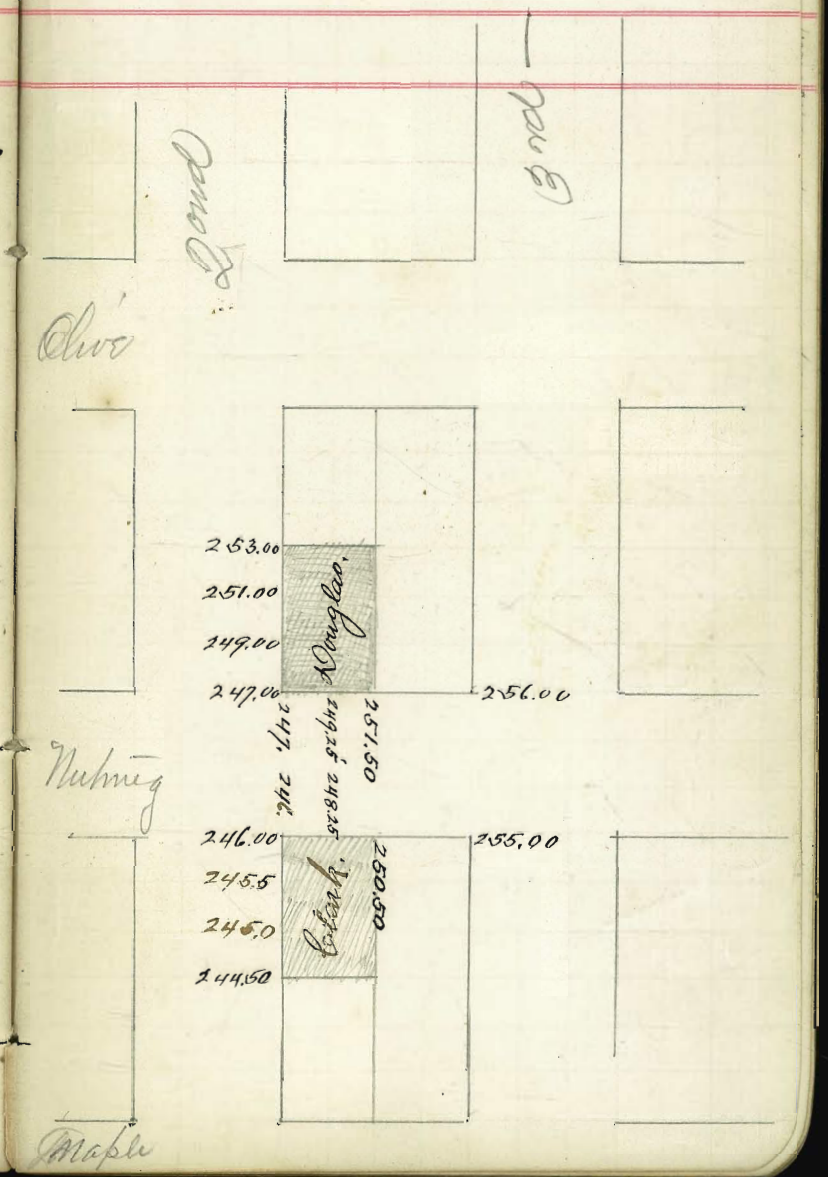


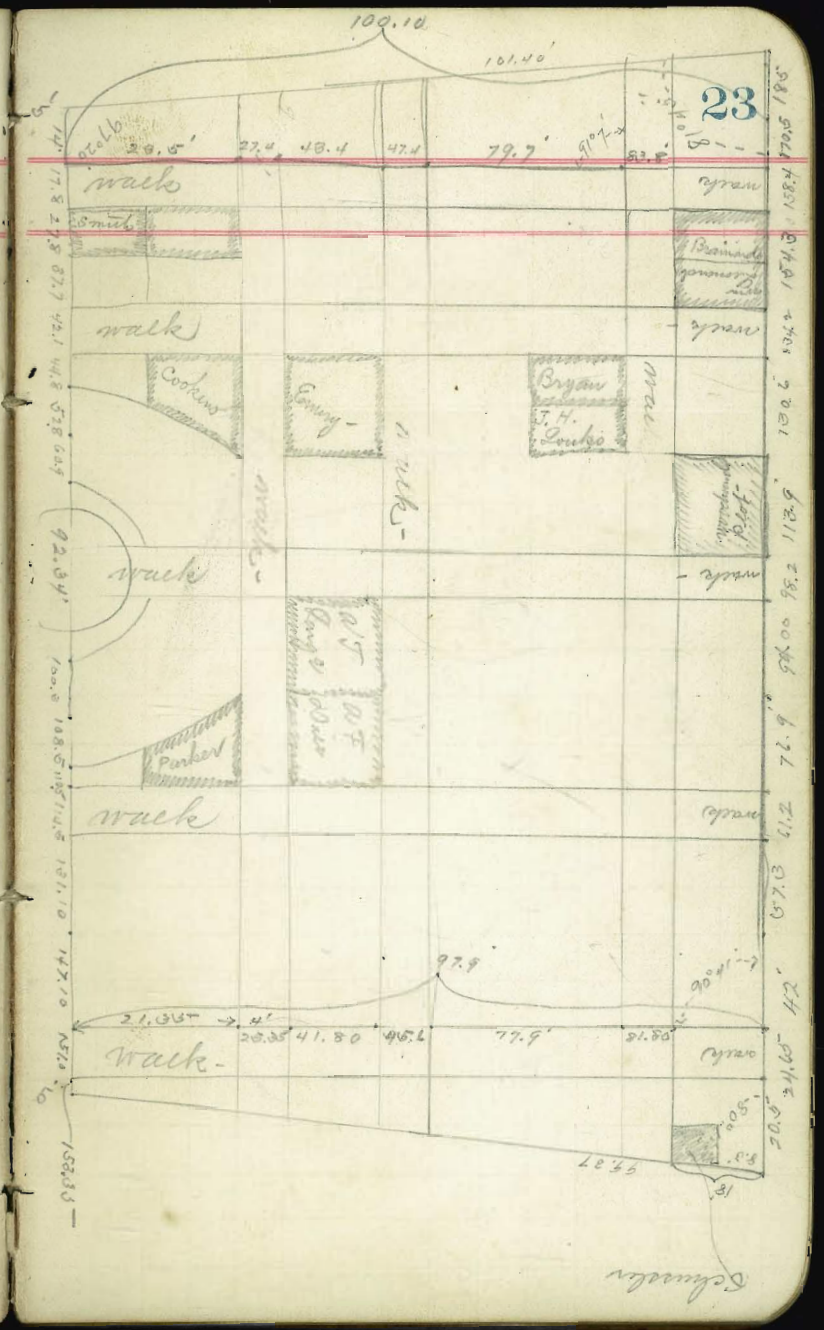
Douglas & Clark Mch 2-3-97

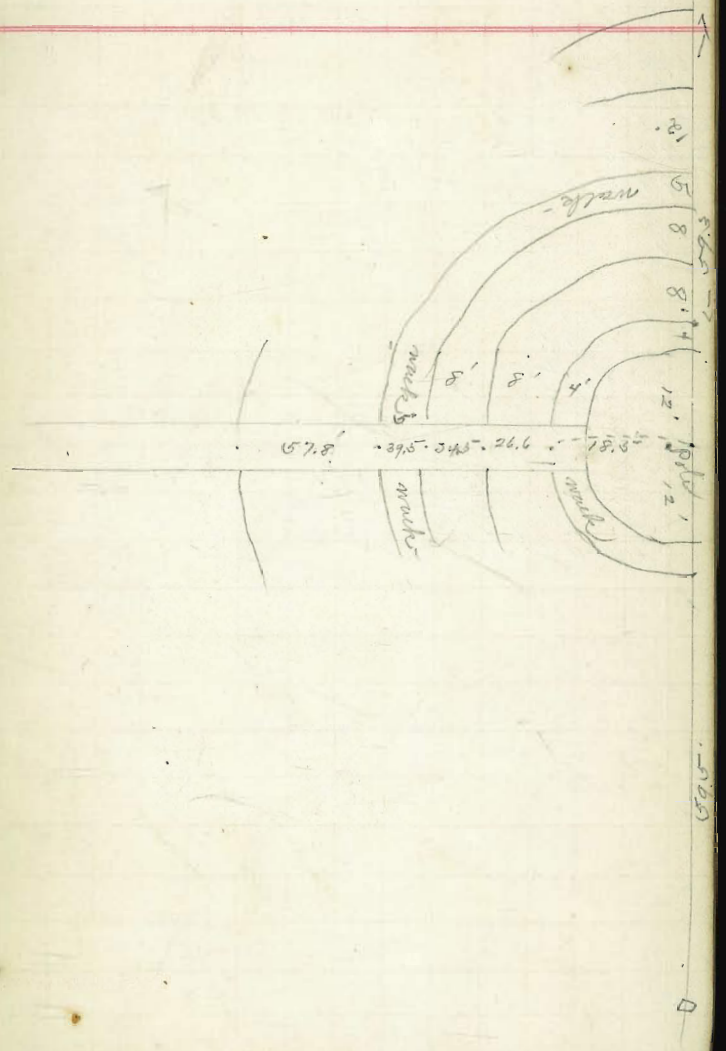
Setting wall line to NE-SE.
Comes to 2nd Nutmeg slo

235.22
9.61
244.83
1.42
243.41
11.07
254.48 254.48 254.48
253.25
1.23

254.48
247.25
7.23




100.10
101.40'
28.5'
27.4
48.4
47.4
79.7'
83.8
walk
Smith
Cookens
Emery
Bryan
J. H. Louko
Parker
97.9
21.35
41.80
45.6
77.9'
81.80
Schuessler


57.8'
39.5
34.5
26.6
18.5
12'
12'
8'
8'
4'
8'
8
9
12'
59.5'
wack
wack
wack

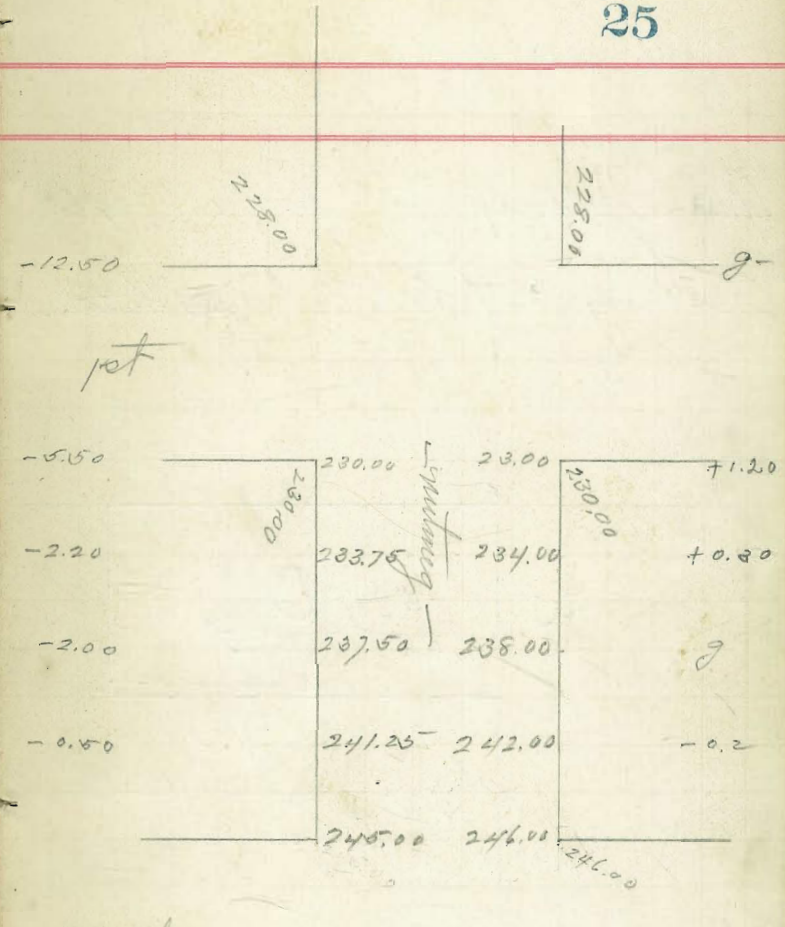
0.68

249.82 18.m
0.81

250.63	250.63	250.63	250.63	250.63	250.63
246.00	242.05	238.00	245.00	241.25	237.50
4.63	8.63	12.63	5.63	9.38	13.13
g	8	12.60		10.40	15.20
	+1.63	g		-1.00	13.1
					-2.1

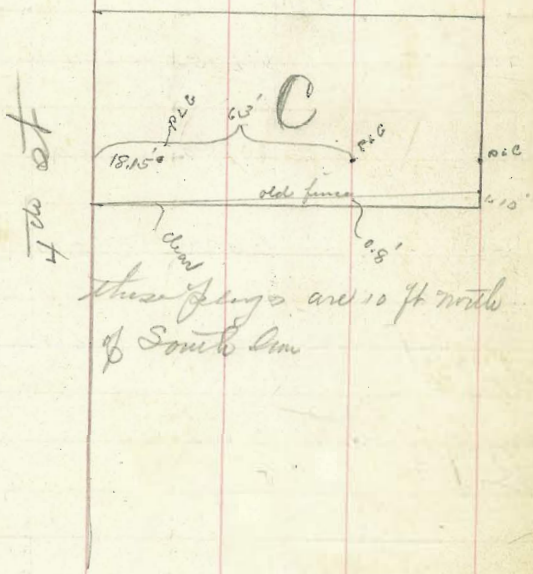
250.63
11.91
238.72
0.68

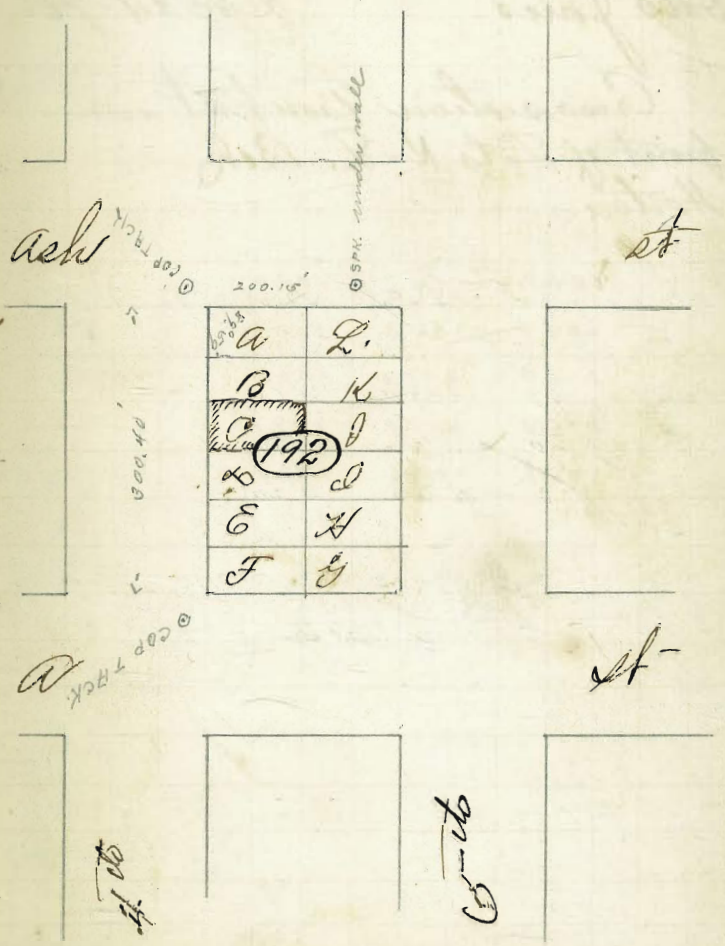
239.40	239.40	239.40	239.40	239.40	
234.00	230.00	228.00	230	233.75	
5.40	9.40	11.40	9.40	5.65	
5-1	8.2	11.68	14.63	7.50	
+.30	+1.2		9.4	6-70	
			-5.1	-1.80	



Annis Holdridge Nov 16 1896.

Survey Lot 6. Blk 192 Hortons





222.59 BM Cor Laurel & 1st
1.07
223.66
11.71
211.95
1.98
213.93

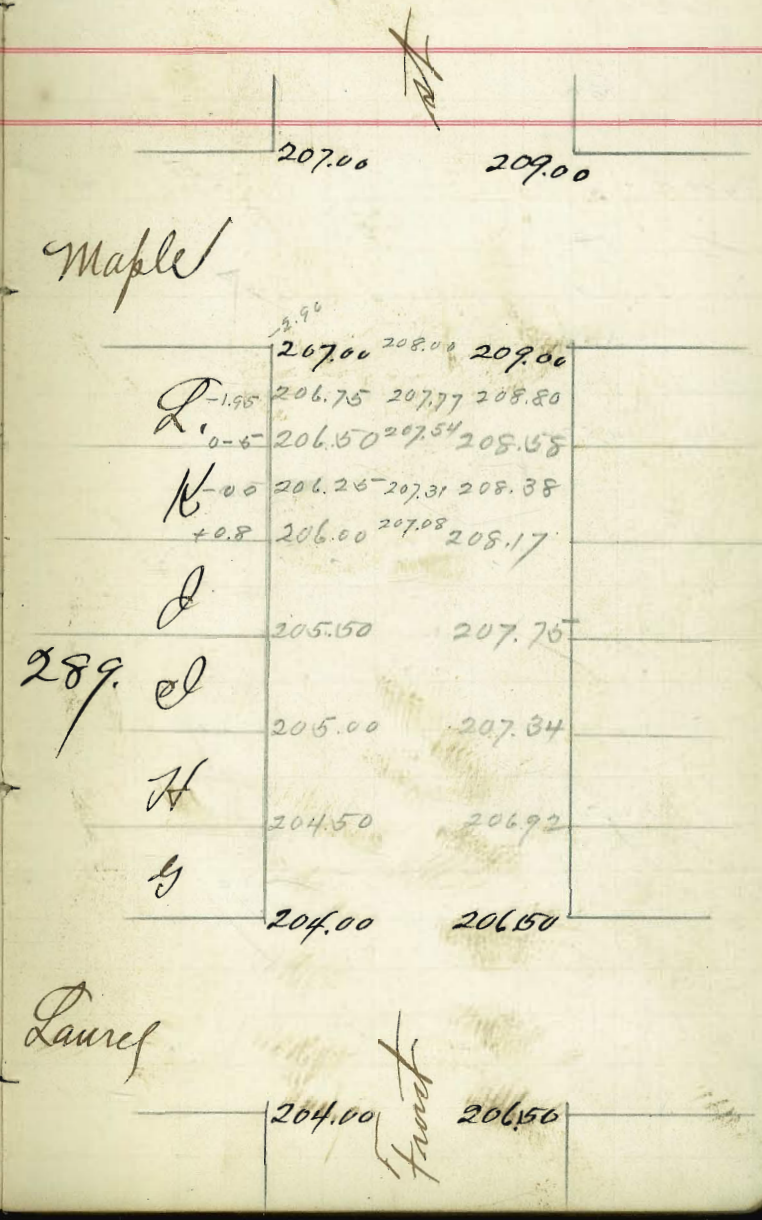
Gus Jones Dec 24-96.

Cross section Front st in front of Lots K-L. Bek Hortons

Stat	West	Curb	Center	
	204.1	(213.93)	209.9	
0+0	9.80	206.0 7.90	4.00	Slim Maple
	204.8	206.3	209.2	
25	9.10	7.60	4.70	
	206.0	207.2	209.3	
50	7.90	6.70	4.60	
	206.3	207.9	209.7	
75	7.60	6.00	4.20	
	206.8	208.6	209.7	
100	7.10	5.30	4.20	

213.90	213.90	213.90	213.90	213.90
207.00	206.75	206.50	206.25	206.00
6.90	7.15	7.40	7.65	7.90
9.80	9.10	7.90	7.60	7.10
6.90	7.15			
2.90F	1.95	-0.5	g	c.80

213.90	213.90	213.90	213.90	213.90
208.00	207.80	207.50	207.30	207.10
5.90	6.10	6.40	6.60	6.80
4.00	4.70	4.60	4.20	4.20
c 1.90	c 1.40	c 1.80	c 2.40	c 2.60

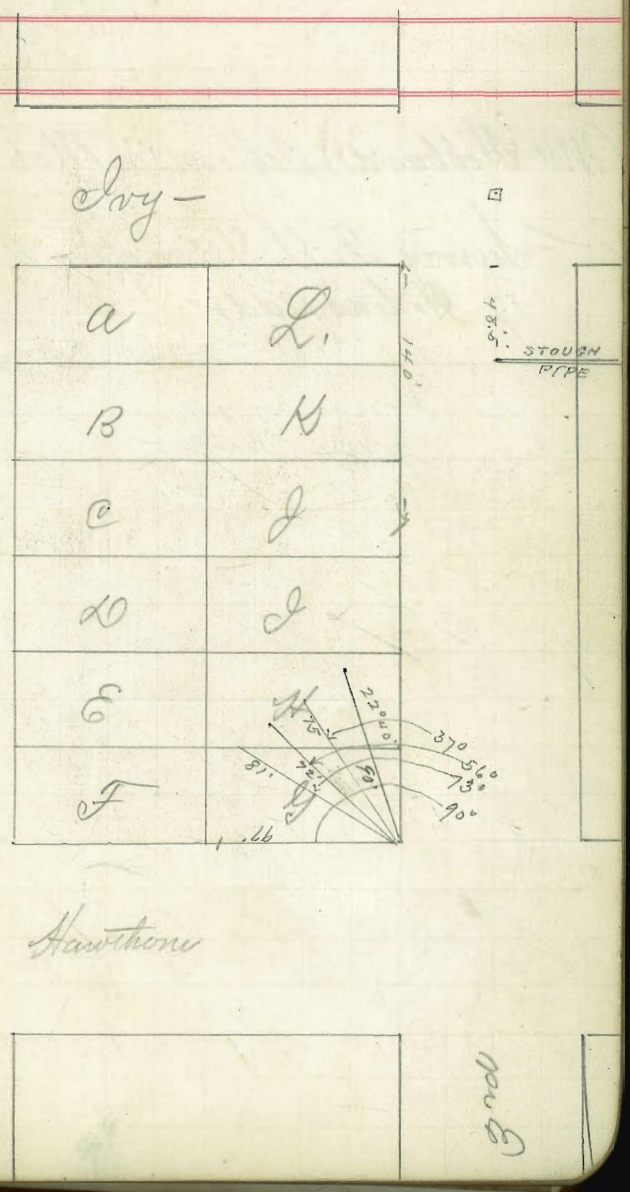


Rod on upper end 3.17 } Total fall 4.12
Rod on lower end 7.35 } " Dist 3824

fall per 25' = 0.27

7.62
3.17
4.45

Station from Southline	Rod			
Ivy				3.17
345	3.17			27
	3.44			3.44
	3.71			27
	3.98			3.71
	4.25			27
	4.52			3.98
				27
				4.25
				27
				4.52
				27
				4.79
				27
				5.06
				27
				5.33
				27
				5.60
				27
				5.87
				27
				6.14
				27
				6.41
				27
				6.68
				27
				6.95
				27
				7.22
				13 } 12
				7.35



Order No — 829

(Mr Hebbard) Sefton Bek. Mch 26-97

Survey F. G. & S 30' of E. H. Bek
17 Hortons Add.

Opera House is over on property
0.9' on 4th st & 0.9' on 5th st

49.26 B.M.
585
551 | 55.11
48.25 | 53.15
6.8 | 1.96
692 Rod on 9' point
686 R
.06

205
1.96
.09 on SE Cor lots

set stake to prop grade
48.00 (48.25)
52.90 (53.15)

C

4th

5th

B.

cop tack

cop tack

a	L.
B	K
C	J
D	I
E	H
F	G

17

300.37

300.38

SPK

200.22

cop tack

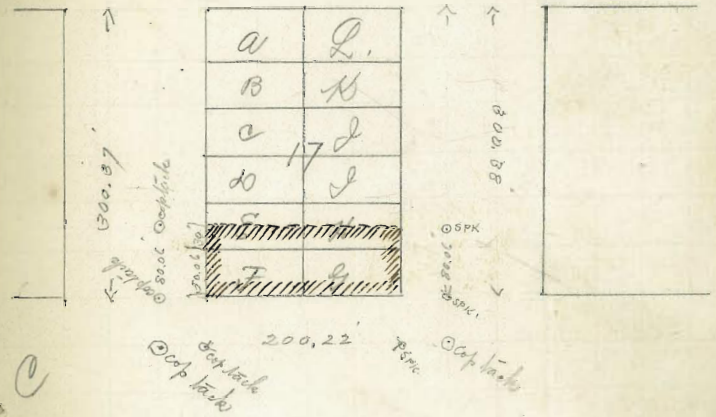
cop tack

cop tack

C

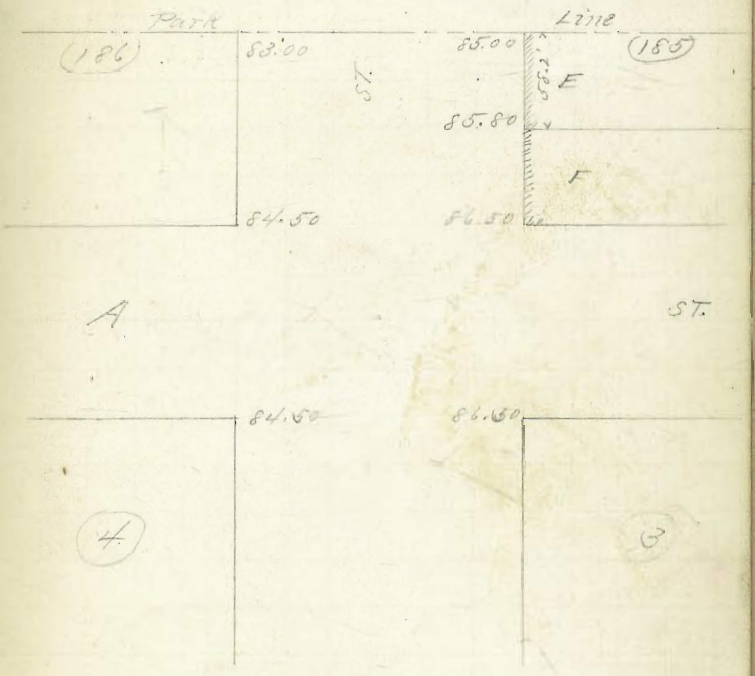
4th

5th

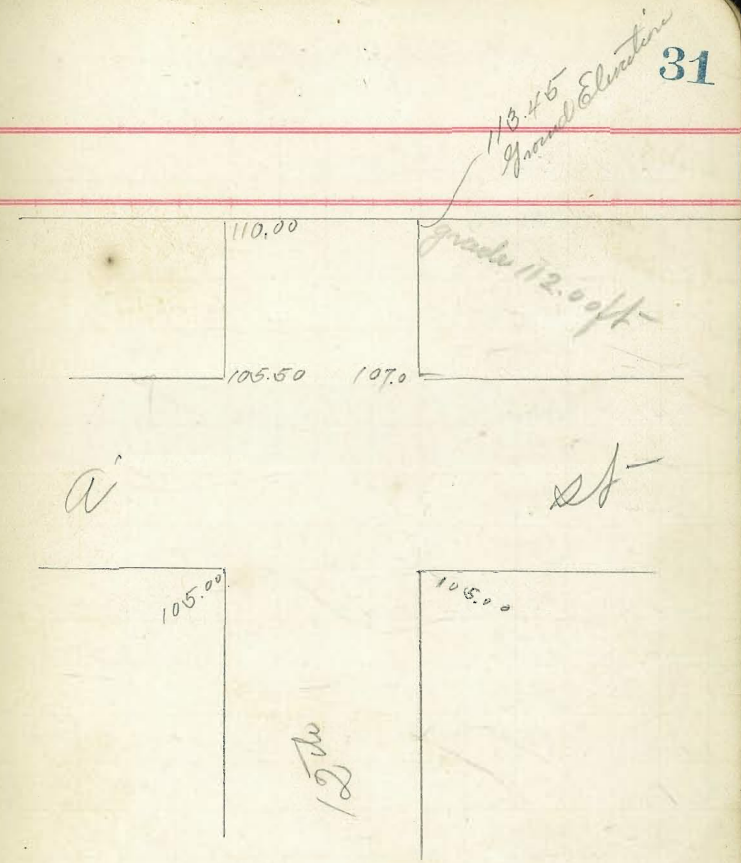


89.87 BM

90.58	90.53	90.58
86.50	85.80	85.00
4.08	4.73	5.58



105.50	
10.35	
115.85	115.85
5.85	2.40
110.00	113.45



Capps May 4th 1897 — Sewer on Brookes from W line 5th to

Station	Rod	Elev.			
	(286.63)				
0+0	279.9 6.70	279.90			0+0 = W line 5th
50	281.3 5.30				
1+00	282.3 4.30				
+42.5	283.4 3.20				S1+42.5 = Center line alley
+85	284.1 2.50				
2+35	284.1 2.50				
+85	284.0 2.60	284.00			2+85 = E line 4th
	(286.77)				
×× 4TH	283.42 3.35 on R.R.	283.42			×× = Center 4th
0+0	283.1 3.70				0+0 = W line 4th
50	282.1 4.70				
1+00	282.5 4.30				
+42.5	281.7 5.10				alley
+85	282.3 4.50				
2+35	281.1 5.70				
+85	280.5 6.30	280.47			E line 3rd
××	279.3 7.50				×× Center 3rd
0+0	278.3 8.50				W line 3rd
50	279.0 9.80				
1+00	276.4 10.40				
+42.5	274.7 12.10	274.70			

289.88 BM 5th line
298
29286
782
28504
276
28780
669
28113
5150
28663
250
28413
264
28677

Capps May 4 - 97

Sewer up alley from Brookes to University between 3rd & 4th

Stat-	Rod	Elev-
	(286.77)	
	281.7	
x x x	5.10	
	280.9	
0+0	5.90	
	280.5	
50	6.30	
	280.4	
1+00	6.40	
	280.0	
50	6.80	
	279.8	
2+00	7.00	
	280.6	
50	6.20	
	280.7	
3+00	6.10	
	(287.74) 280.5	
50	7.20	
	281.5	
4+00	6.20	
	282.6	
50	5.20	
	282.9	
5+00	4.80	
	282.1	
50	5.60	
	283.4	
6+00	4.30	
	282.7	
30	5.00	
	282.7	
0+0	5.00	
	283.3	
50	4.40	
	283.4	
1+00	4.30	
	283.4	
50	4.30	
	283.2	
2+00	4.50	
	283.4	
50	4.30	

Center of Brookes 286.77 − 6.23 = 280.54

N line Brookes 7.20 = 287.74

S line Thornton

Center "

N " "

Stat-	Rod	Elev			
	283.6				
3+00	4.10			S line Robinson	287.74
	(292.73)	284.0			406
50	8.70				288.68
	284.5				9.05
4+00	8.20			N line Robinson	279.63
	284.9				3.87
50	7.80				288.6 mn BM
	286.9				Co 4
5+00	6.80				
	286.4				
50	6.30				
	286.9				
6+00	5.80				
	287.7				
50	5.00				
	287.8				
0+0	4.90				
	288.5				
50	4.20				
	288.4				
1+00	4.30				
	288.7				
50	4.00				
	288.2				
2+00	4.50				
	288.0				
50	4.70				
	287.4				
3+00	5.30				
	286.9				
50	5.80				
	286.7				
4+00	6.00				
	286.5				
+16	6.20	286.53		S line University	

July 22nd 1897

John Hinton
Cut grade for Lot 8
Block 72 Hinton,

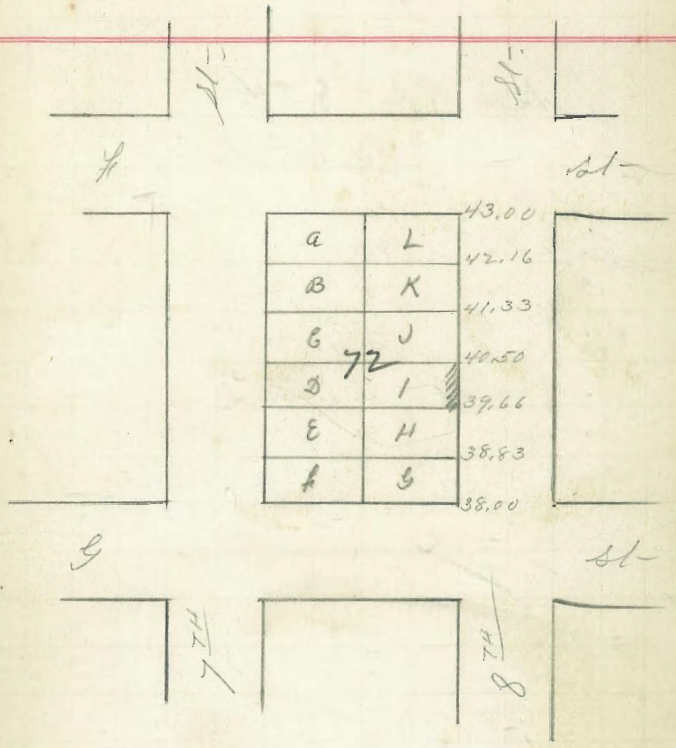
38,13 B.M
7.24
45,37 H.I.

45,37
43.
7.37

46,37
39.66
5.71

45.37
40.56
4.87

2 Stakes.

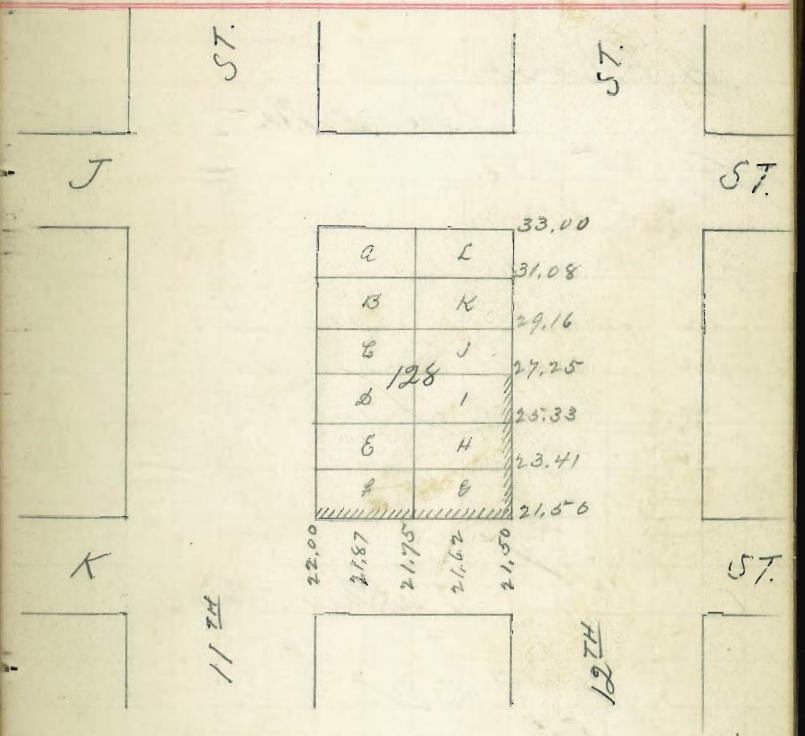


Order No 854

M. O. Riley

July 22nd 1897

21.67 B.M 3.69 25.36 H.I. 22.00 3.36	25.36 21.87 3.49	25.36 21.75 3.61	25.36 21.62 3.74	25.36 21.50 3.86
21.67 6.02 27.69 H.I. 21.56 6.13	27.69 23.41 4.28	27.69 25.33 2.36	27.69 27.25 .44	



J. F. Over.

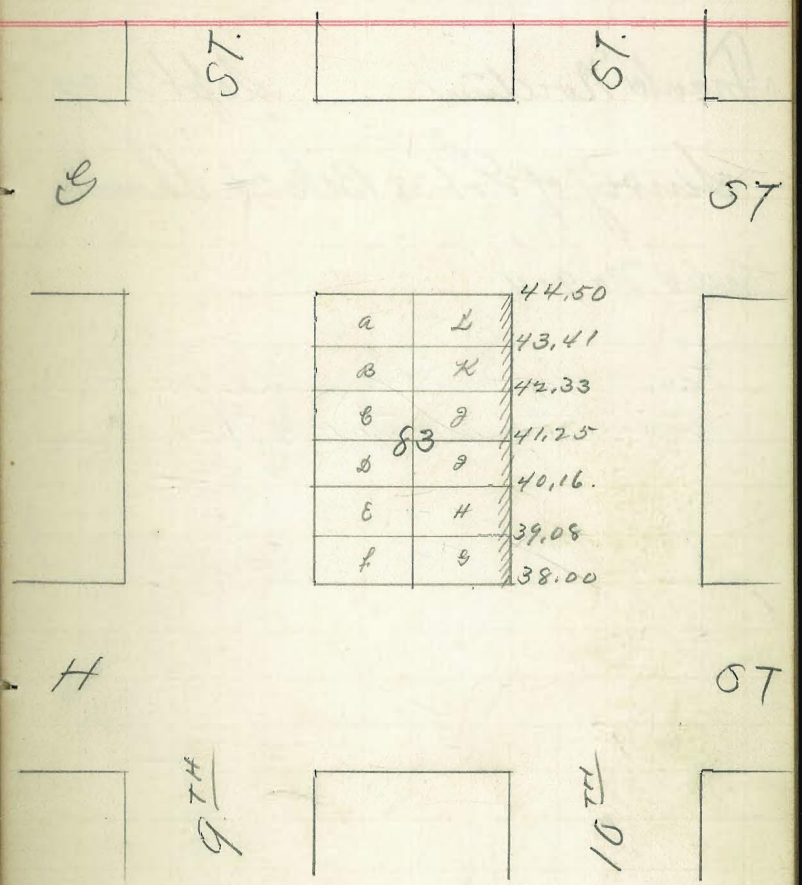
Order No 859

July 22nd 1897.

40,63 B.M	44,64	44,64	44,64
4,01	39,08	40,16	41,25
44,64 HI	5,56	4,48	3,39
38,00			
6,64			

44,64	44,64	44,64	43,41
42,33	43,41	44,50	5,29
2,31	1,23	.14	48,70
			44,50
			4,20

7 stakes Paid.



Frank Noeltner Sept 2-97

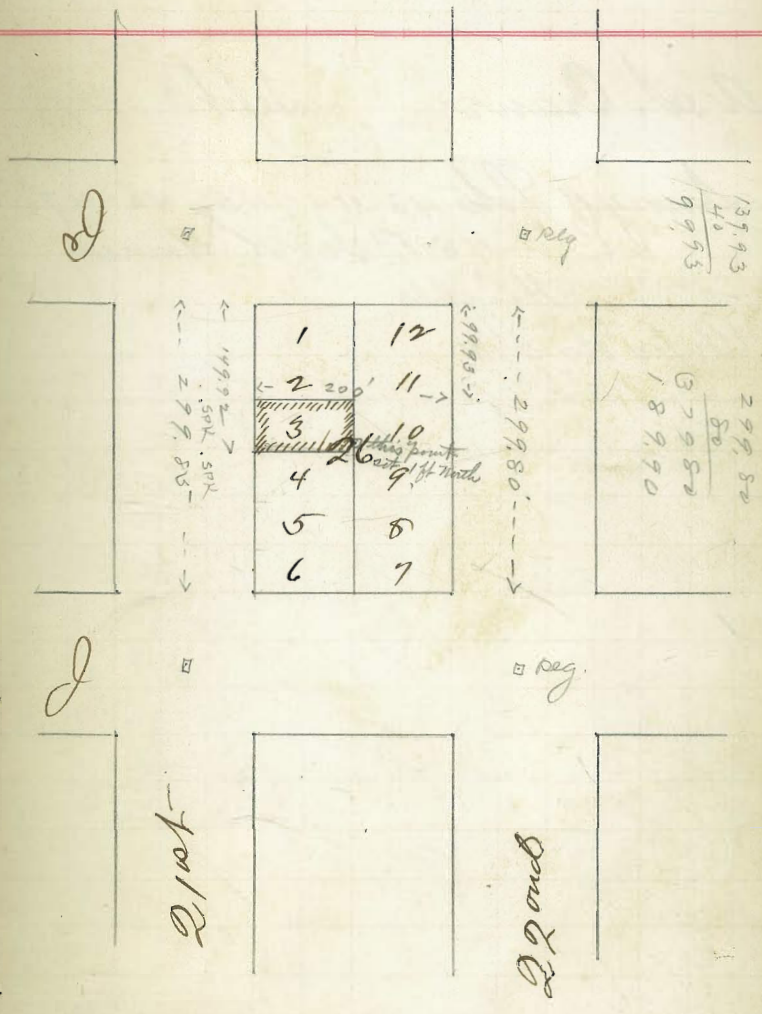
Survey of Lot 3 Blk 26 Sherman

Order No 914.

Fence on South side is over on property about one ft—

299.85
80
37985
189.92
40
149.92

(3) 299.80 (99.93
27 40
29 13993
27 49|94
28 189.87
27
10



A. S. Crane Sept 2. 1897

Survey of Lots 43-44-45-46-47-48 Blk 186 University Heights

Order No 910

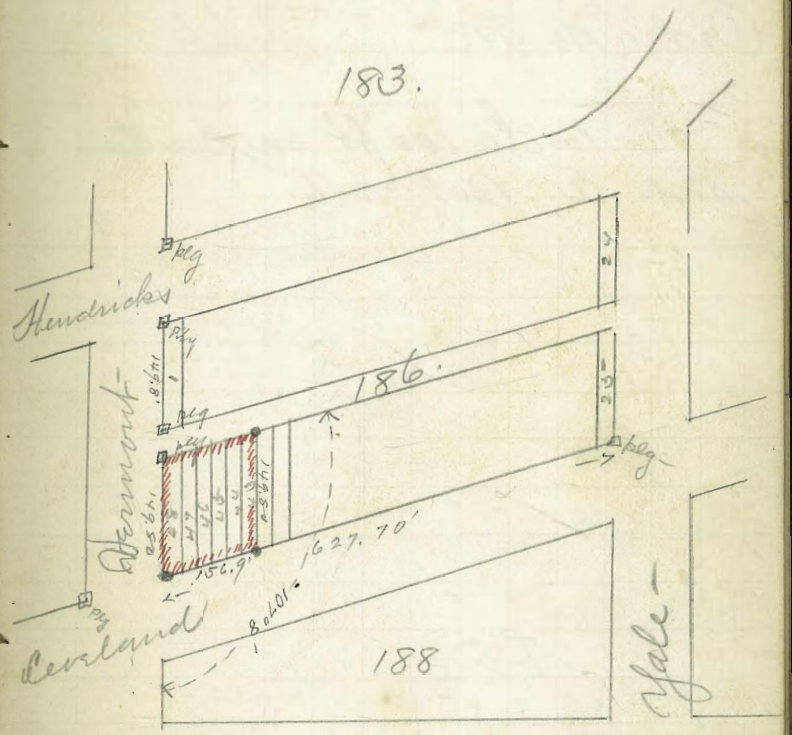
All points marked plg is Old plugs original

24) 627.70 (3 6.15

48
147
144
37
24
130
120

26.15 to each lot
6
156.90
78.45

17°08

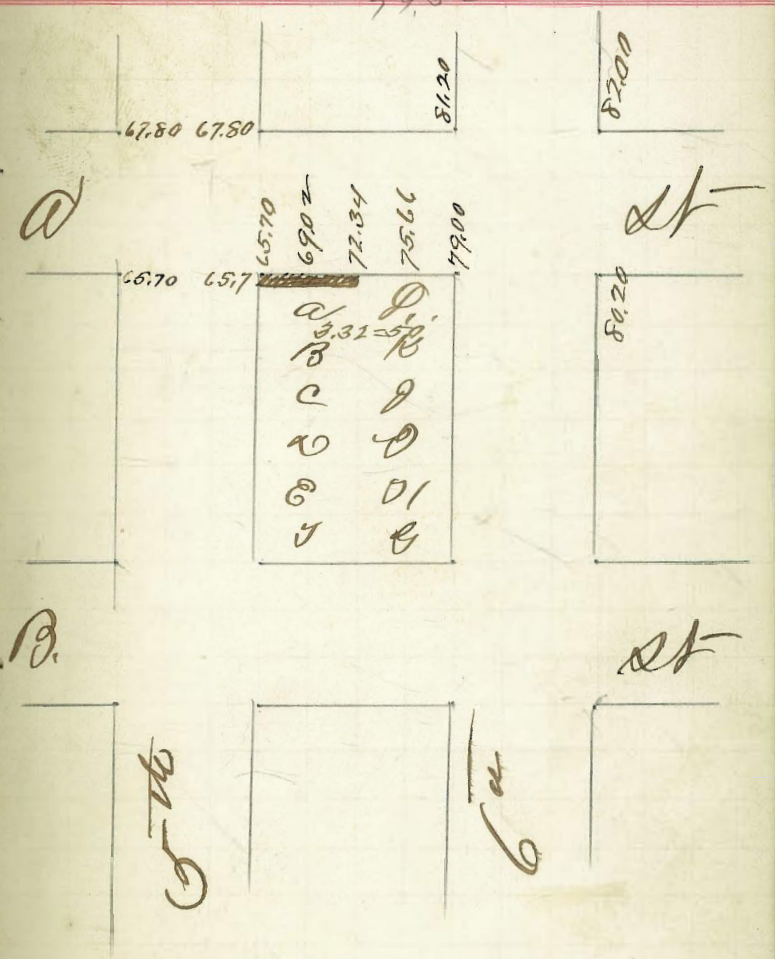


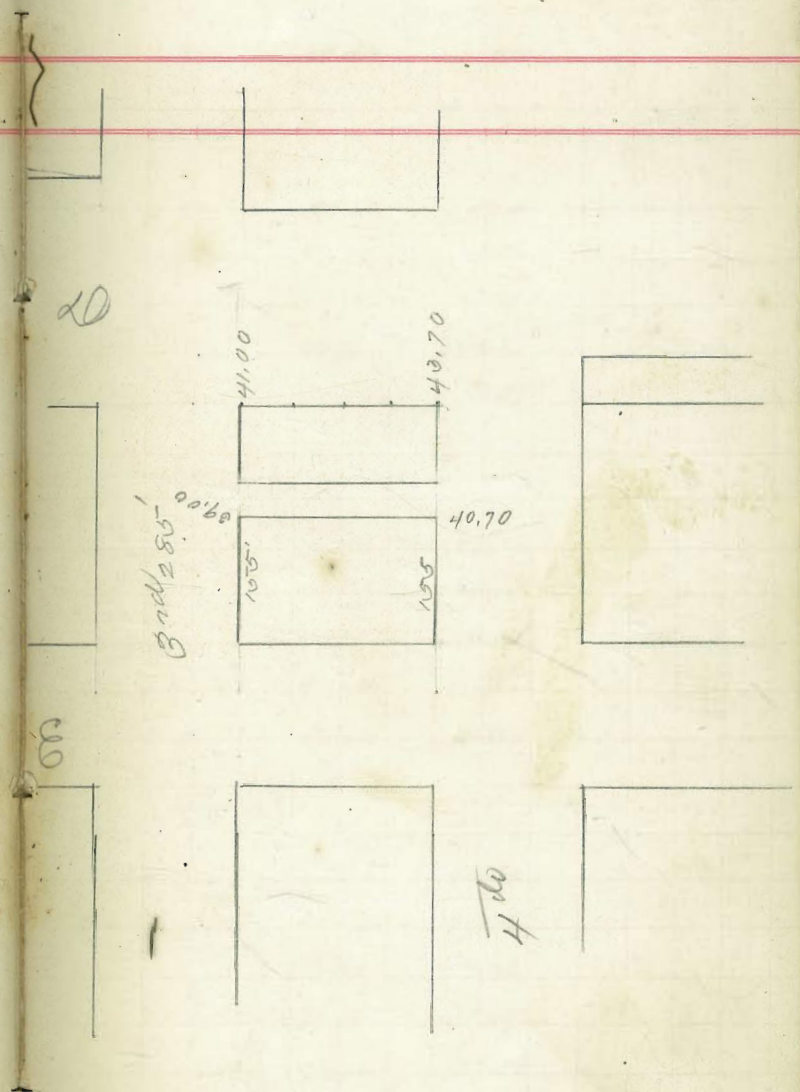
Order No 915 Sept 2-97

Grades to 100 ft on South side A Bet 5 & 6.

	67.66 BM		
	8.14		
75.8	75.80	75.80	75.80
74.5	65.70	69.02	72.34
1.3	10.10	6.78	3.46
		5.4	
		1.38	

67.80	3.46	65.70
81.20	3.33	3.33
149.00	6.79	69.03
74.50	3.33	3.33
	10.12	72.66
		3.33
		75.99
		3.33
		79.32




41.00
40.70
40.70
155
155
3rd/285'
4th

40.36 Bm.
6.08

Oct. 9th - 97

46.44 46.44 46.44 46.44 46.44 46.44
40.50 41.50 42.00 42.06
5,94 4,94 4,44 5,44

46.44 46.44 46.44 46.44
42.25 43.00 43.75 44.50
4.19 3.44 2,69 1,94

46.44 46.44 46.44 46.44
44.50 43.87 43.25 42.62
1.94 2.57 3,19 3,82

46.44 46.44 46.44 46.44
40.25 39.50 38.75 38.00
6,19 6,94 7.69 8,44

46.44 46.44 46.44 46.44
37.50 38.25 39.00 39.75
8,94 8,19 7,44 6,69

52.50
2.11
53.46 53.46 53.46 53.46
50 50.50 45.50 44.50
3.46 2.96 7.96 8.96

40.00
4.22
44.58 44.58 44.58
40.13 37.13 36.40
4.28 7,28 8,18

2.53
51.35
53.88
9.50
44.38
2.183
47.21
5.99
41.22
21.0
43.32
6.54
31.81 36.78
8.12 4.62
20.69 41.46
1.75 4.36
22.44 36.04
6.80 3.06
Bm 18.64 39.10
8.60
30.50
1.31
31.81

50.50 ST. 50.00

6.69
7.5
7.44
7.5
8.19

40.00
41
81.5
40.75

4TH ST.

50.50 50.00
49.25 48.62
48.00 47.25
46.75 45.87
45.50 44.50

37.50
38
75.50
37.75

3RD ST.

43.50 43.90
44.50 44.50
43.87 43.75
43.25 43.00
42.62 42.25
42.00 41.50

41.00 41.30 41.75 40.50

2ND ST.

40.00 40.30
41.00 40.75 40.50
40.25 39.75
39.50 39.00
38.75 38.25
38.00 37.50

37.00 37.30 37.75

1ST D ST.

38.00
3 88

41.88	41.88	41.88	41.88	41.88
37.00	36 62	36 25	35.87	35.50
4.88	5,26	5,63	6,01	6,38

41.88	41.88	41.88	41.88	41.88
37.00	36 87	36 75	36 62	36 50
4,88	5,01	5,13	5,26	5,38

28.00
10 22

38 22	38.22	38.22	38.22	38.22
36 00	34 50	33.00	31.50	30.00
2,22	3,72	5,22	6,72	8,22

38.22	38.22	38.22	38.22	38.22
35.00	33 37	31.75	30 12	28 50
3,22	4,85	6,47	8,10	9,72

36.00
3 58

39 58	33.60 B.M.			
35 20	6 10			
4,38	39 70	39.70	39.70	39.70
	36.50	35.70	36.00	35.50
	3.20	4,00	3.70	4,20

36.50
3 76

40 26	40.26	40.26	40.26
36.00	35.20	35.50	35.00
4.26	5,06	4,76	5,26

ST.

38.00	37.50

1ST. ST.

36.00 36.40 37.00	37.00
36.87	36.62
36.75	36.25
36.62	35.87
36.50 36.00	35.50
35.50 35.70	

FRONT ST.

35.50 35.70 36.00	35.50
36.50	35.50
36.37	35.37
36.25	35.25
36.12	35.12
36.00	35.00
35.00 35.20 35.50	

UNION ST.

35.00 35.20 35.50	
36.00	35.00
34.50	33.37
33.00	31.75
31.50	30.12
30.00 29.25	28.50
29.00 29.10	

STATE D ST.

39,13 B.M.
0.91
40.04
8.64
31.40
1.84

33.24 33.24 33.24 33.24 33.24 33.24 33.24
28.00 26.62 25.25 23.87 22.50
5.24 6.62 7.99 9.37 10.74

33.24 33.24 33.24 33.24 33.24 33.24
26.50 25.50 24.50 23.50 22.50
6.74 7.74 8.74 9.74 10.74

33.24
10.81
22.38
3.10
25.48

25.48 25.48 25.48 25.48 25.48
21.00 20.12 19.25 18.37 17.50
4.48 5.36 6.23 7.11 7.98

25.48 25.48
23.87 22.50
1.61 2.98

18.63 B.M.
0.44
19.07 19.07 19.07 19.07 19.07
16.50 16.50 14.50 13.50 12.50
2.57 3.57 4.57 5.57 6.57

19.07 19.07 19.07 19.07 19.07

18.63
3.76
22.38
17.50
4.88

18.63
3.46
22.08
17.62
4.46

30.00 ST. 28.50

STATE ST.

27.00 27.10 27.25
28.00 26.50
26.62 25.50
25.25 24.50
23.87 23.50
22.50 22.50
21.50 21.90 22.50

COLUMBIA ST.

20.00 20.40 21.00
21.00 21.00
20.12 20.12
19.25 19.25
18.37 18.37
17.50 17.50
16.50 16.90 17.50

INDIA ST.

15.50 15.90 16.50
16.50 16.50
15.50 15.50
14.50 14.50
13.50 13.50
12.50 12.50
11.50 11.90 12.50

ARCTIC ST.

D

19.07 19.07 19.07 19.07 19.07
11.50 10.62 9.75 8.87 8.00
7.57 8.45 9.32 10.20 11.07

8.00
3.80
11.80 11.80 11.80 11.80 11.80
7.00 6.12 5.25 4.37 3.50
4.80 5.68 6.55 7.43 8.30

3.50
5.16
8.66
3.1
5.56

7
4.28
11.28
6.50
4.78

7.57
87
8.44
87
9.31
88
10.19
88
11.07

ST.

12.50 12.50

ARCTIC ST.

10.50 10.90 11.50
11.50 11.50
10.62 10.62
9.75 9.75
8.87 8.87
8.00 8.00
7.00 7.40 8.00

CALIFORNIA ST.

6.00 6.4 6.50
7.00 7.00 7.00
6.12 6.12
5.25 5.25
4.37 4.37
3.50 3.50
2.50 2.90 3.50
3.10

ATLANTIC ST.

1.50 1.90
2.50 2.50 2.50

19.07 19.07 19.07 19.07 19.07
11.50 10.62 9.75 8.87 8.00
7.57 8.45 9.32 10.20 11.07
8.00

3.80
11.80 11.80 11.80 11.80 11.50
7.00 6.12 5.25 4.37 3.50
4.80 5.68 6.55 7.43 8.30

3.50 7
5.16 4.28
8.66 11.28
3 1 6.60
5.66 4.78

7.57
87
8.44
87
9.31
88
10.19
88
11.07

ST.
12.50 12.50

ARCTIC ST.

10.50 10.90 11.50
11.50 11.50
10.62 10.62
9.75 9.75
8.87 8.87
8.00 8.00
7.00 7.40 8.00

CALIFORNIA ST.

6.00 6.4 6.50
7.00 7.00 7.00
6.12 6.12
5.25 5.25
4.37 4.37
3.50 3.50
2.50 2.90 3.50
3.10

ATLANTIC ST.

1.50 1.90
2.50 2.50 2.50

5
4.44

5.04
30
4,74

444
30
4,74

225
112

0.50
31
81
31
1,12
31
143
31
1,74

1.75
50
4) 1,25 (31
12
5

5.04
444
60

12
6
2

W 0.50

1.75 E.

5.87
143
4.44

3.45
2.42
5.87

2.00

0.50 . 0.81 1.12 1.43 . 1.75

Robinson - Elkins Nov 29 97

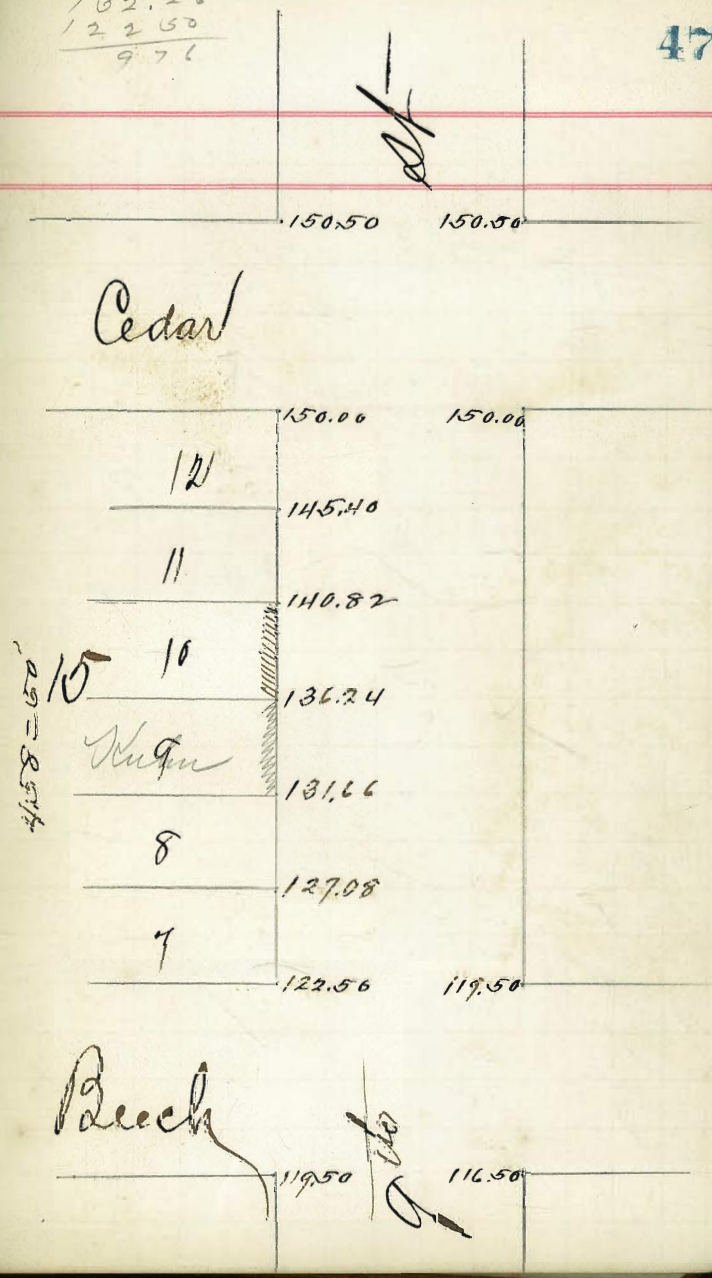
Grades to Lot 9 Blk 15 Cumulus

Order No 956.

142.04
10.32
13172
054
13226
976
122.50
2.19
124.69
4.67
120.02

148.42 BM
3.43
15185
1149
14036
168
142.04 142.04
136.24 131.66
5.80 10.38

132.26
122.50
976

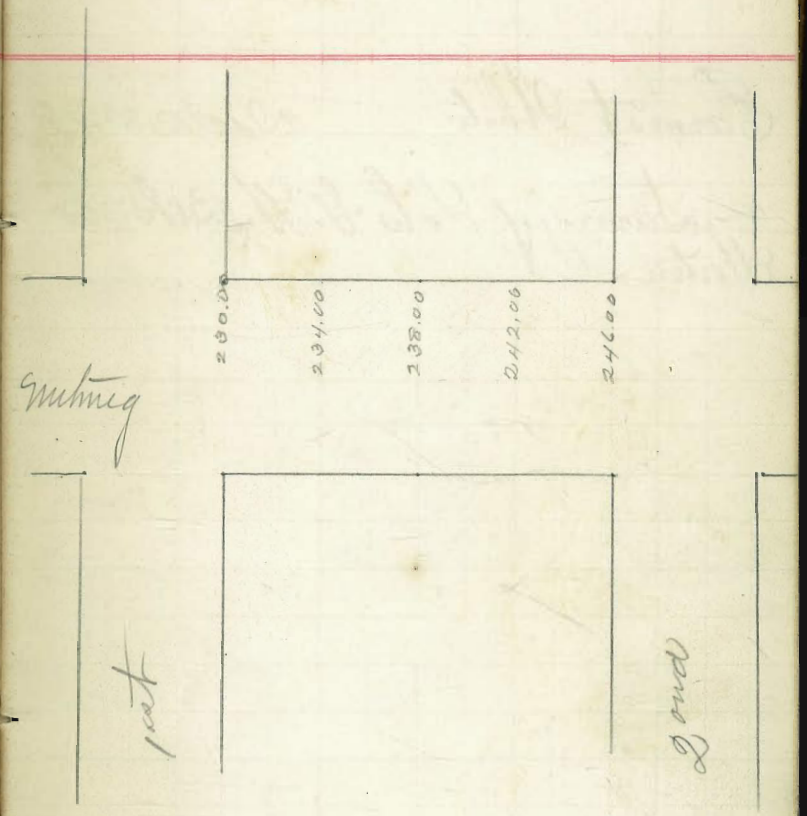


285.22
5.12
240.34
230.00
10.34
9
1.30

240.34
234.
6.34
6.

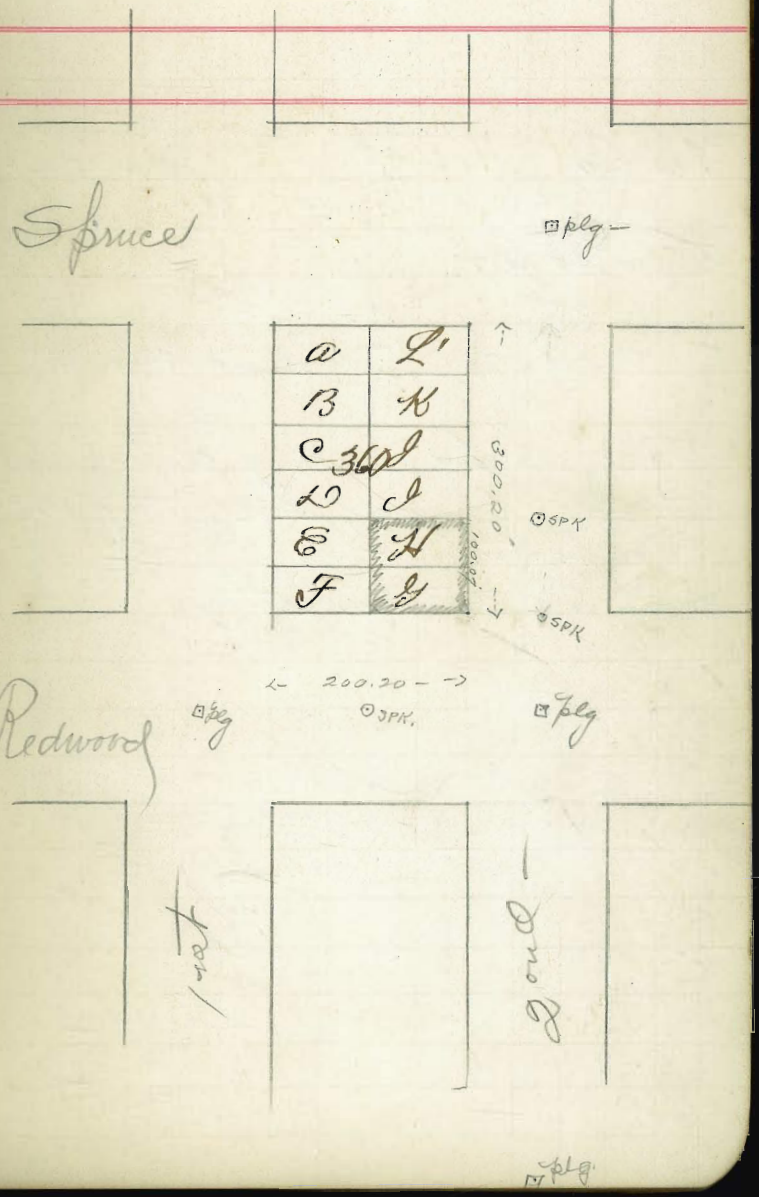
240.34
238
2.34

240.34
1.29
23905
10178
24978
246
3.78



Earnest Schile Dec 28-97

Survey of Lots G. H. Blk 360 Horton.



5.24
6
5.74

Gas Co

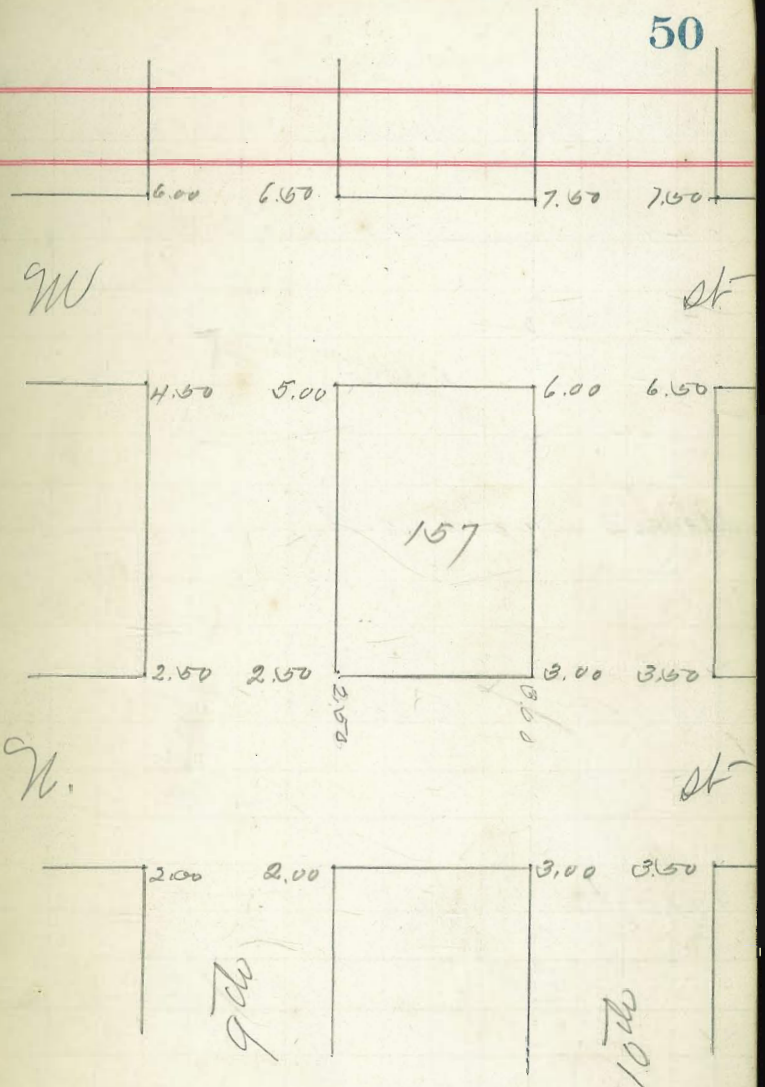
Jan 12 97

Order No 967.

Grade to South Side Blk 157

Stake set by chicking curb previously set at each end, and setting the stakes by transit.

3 stakes set



Survey of Stand Pipe Road
Capps – Jan 15 1898 –

Stat	Mag.	Angle.	
0+0		L 58°7'	L N 53°40' E → S 71° E
195'			
1+95		L 124°35'	
950			
11+45		R 166°16'	
195			
13+40		R 133°5'	
117			
14+57		L 67°	
68'			
15+25		R. 135°58'	
250			
17+75		R 165°25'	

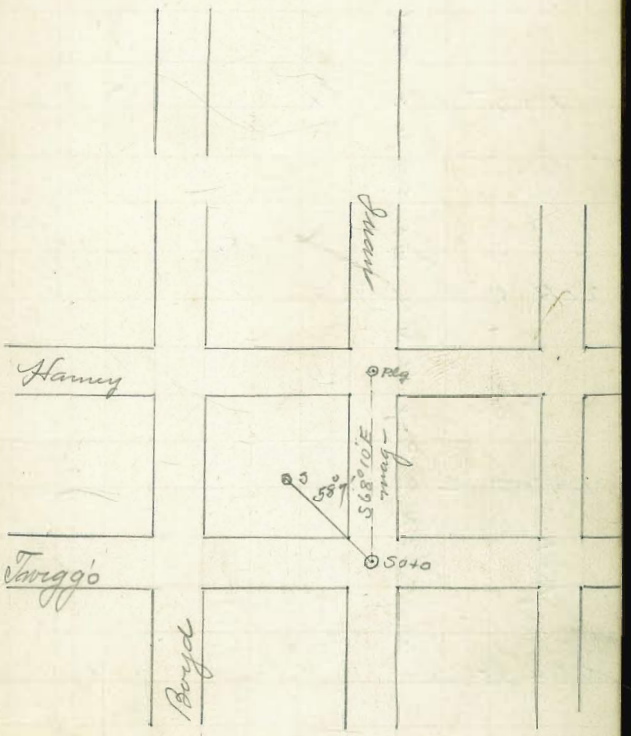
S 84°45' E → N 48°30' E

S 18°35' W

S 62°45' E

S 0+0 = St Center of Twiggs & Juan.

1525
250
1775



Stand Pipe Road to Old Town

Stat	Mag	Ang	T.B.
210'	S77°15'E	S63°41'E	
19+85	R 146°2'	× N82°21'E	
200	N68°45'E		
21+85	R 164°24'	× N66°45'E	
225	N53°10'E		
24+10	R 148°16'	× N35°01'E	
275	N21°30'E		
26+85	L 161°49	× N53°12'E	
150'	N39°45'E		
28+35			

21.85
2.25
24.10
2.75
26.85
1.50
28.35

17.75
2.10
19.85

S28+35 = center of st North side of st

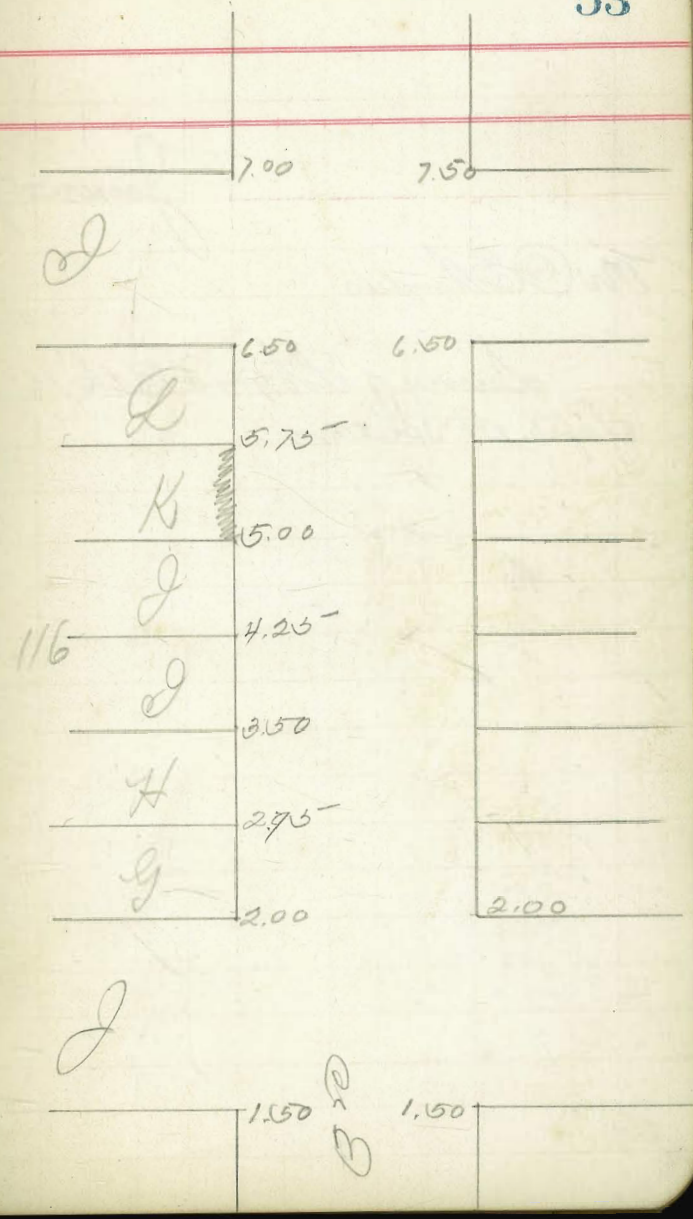
9.65
2
7.65

Order No 987.

Grade to K Bek 116 Horton.

8.38 B m B^{ck} I.
1.27
9.65 9.65
5.75 5.00
3.90 4.65

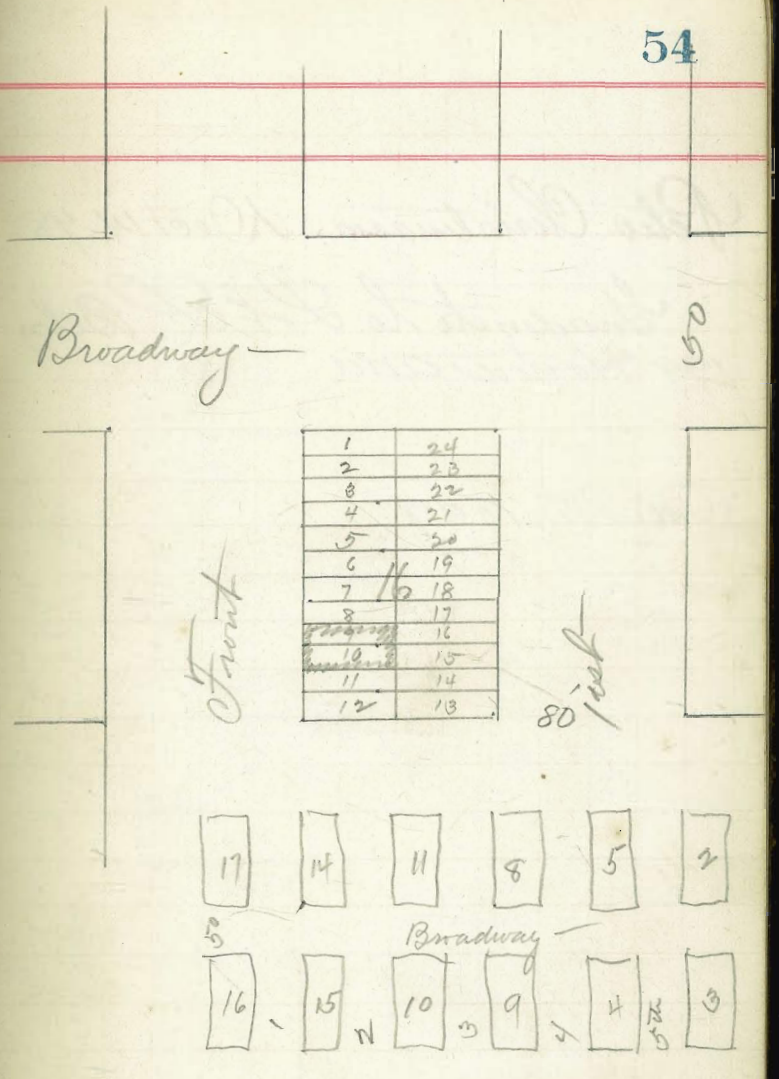
9.65
3.50
6.15



June 2nd 98

Mr O E Wendus

Survey of Lot 9-10 Bek 16
Fifth St Add -



Peter Christensen Dec 14-98

Grades to to Lot L. Bek

199 Horton add

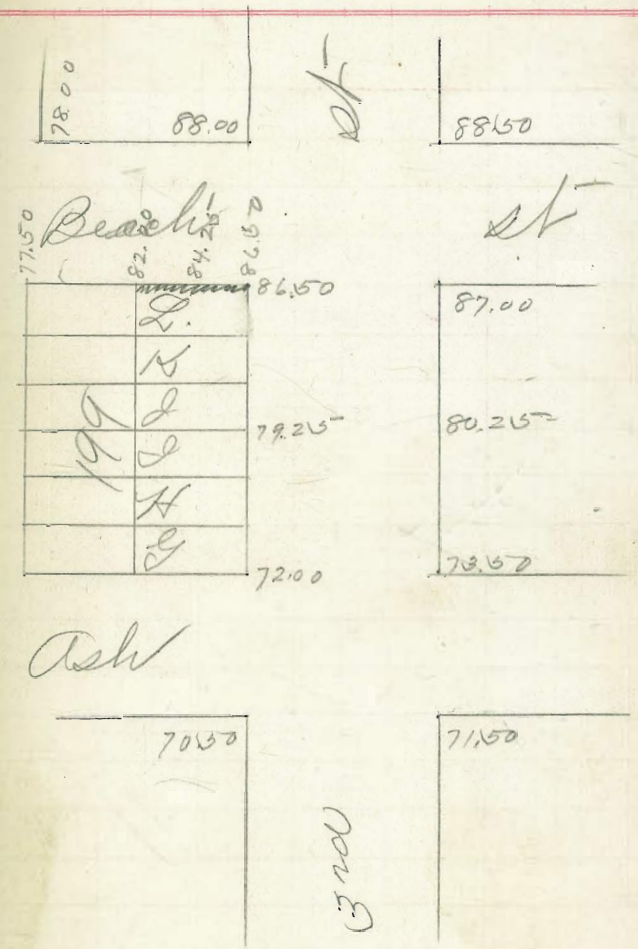
Order No 1037

89.14 B.m
3.49

92.63	92.63	92.63
86.50	84.25	82.00
6,1.3	8,3 8	10,6 3

6.2 3
10 5 3
16 7 6
8 3 8

10.5 3



53.33
10.87
42.46
2.77
45.23

1.82
51.51
53.33
48
5.33

45.00
6.33
51.33
0.55
50.78
8.36
59.14
53.50
5.64

59.14
54.50
4.64

59.14
51.98
7.16

~~45~~
~~0.57~~
~~45.57~~

45.00
1.75
46.75

4)3.00 (75
28
20

48.
45
3.

1.5
75

14th

48.00
45.00

48.00
47.25
46.50
45.75
45.00

15th

45.00
53.50

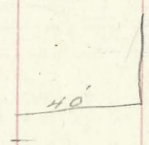
45.00
53.50

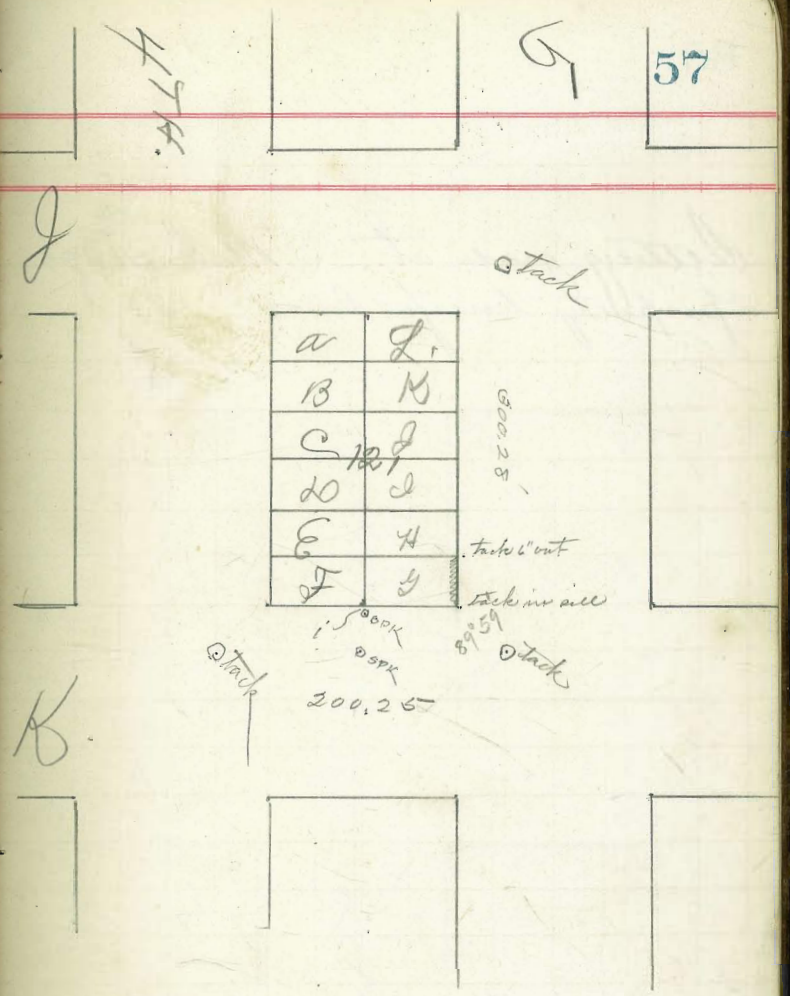
16TH

54.50

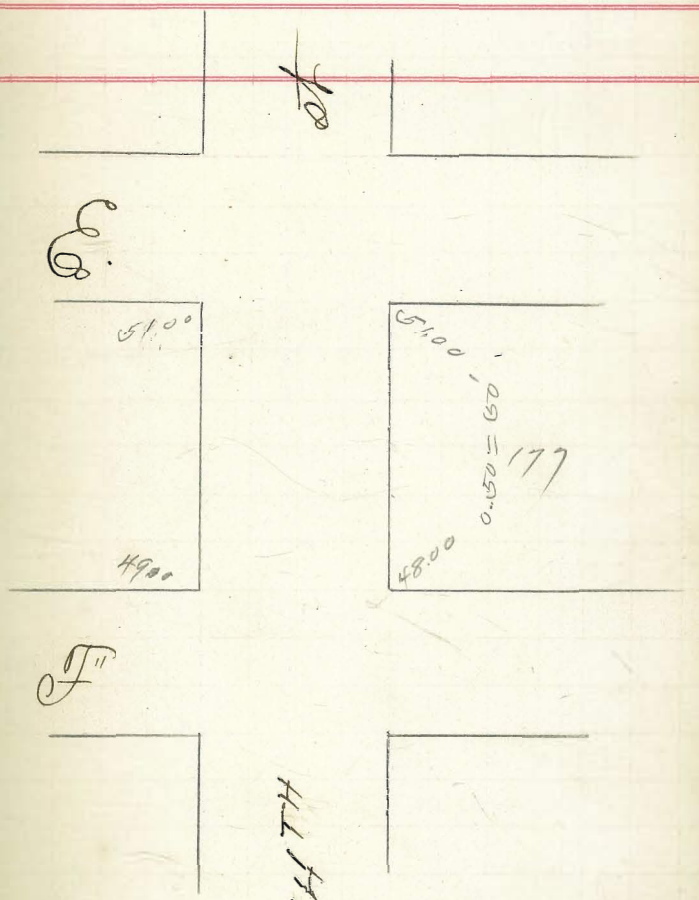
54.50

Survey of lot "G" Dec 29-98
Bek 121 Horton
by Order Board Public Works





Letting grade at Mch 14-99
property line for Sewer.



10.31
9.05
72) 1,26 .0175
72
540
504
360

6) 4.5 (75
42
50

0175
12
350
175
.2100

4.48
87
5.35
88
623
88
711
87
798

6.50
75
575
75
5.00

10.31
9.05
72) 1,26 .0175
72
540
504
360

.25
72
50
175
1800
1 | 26
,64

.0175
12
350
175
.2100

72 (1,8
4
38

346
332
6.78
332
1010

385) 4.15 (.0108
385
3000
3080

.0108
25
540
216
.2700

65.70
333
6903
333
7236
333
75.69
3 32
79.01

0108
15
540
108
.1620
622
6.38

0108
12
216
108
1296
622
.7.35

79.00
6570
4) 1330 (3,32
12
13
12
10

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

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10 45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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