STREET GRADES

7TH	ST.	"F" ST TO CITY PARK	P. 2-6
4TH	"	IVY TO UNIVERSITY AVE.	P. 7-17.
"H"	"	6TH TO 16TH	P. 18-2
5TH	"	"B" TO WALNUT AVE.	P. 22. 33.
BEECH		4TH TO 7TH	P. 34.
F	"	4 ST. C-4TH	[illegible]
LAUREL		FRONT TO PARK	[illegible]
"H"	ST	4TH TO ATLANTIC	[illegible]
C	"	4TH " India	P. 65-[illegible]
D	"	13TH TO 25	68-7[illegible]
Union		Set "D" and Dale	P. 74-77

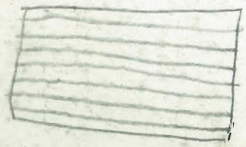
F.B. 50

50

Odd 89A

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

MICROFILMED
DEC 4 1964



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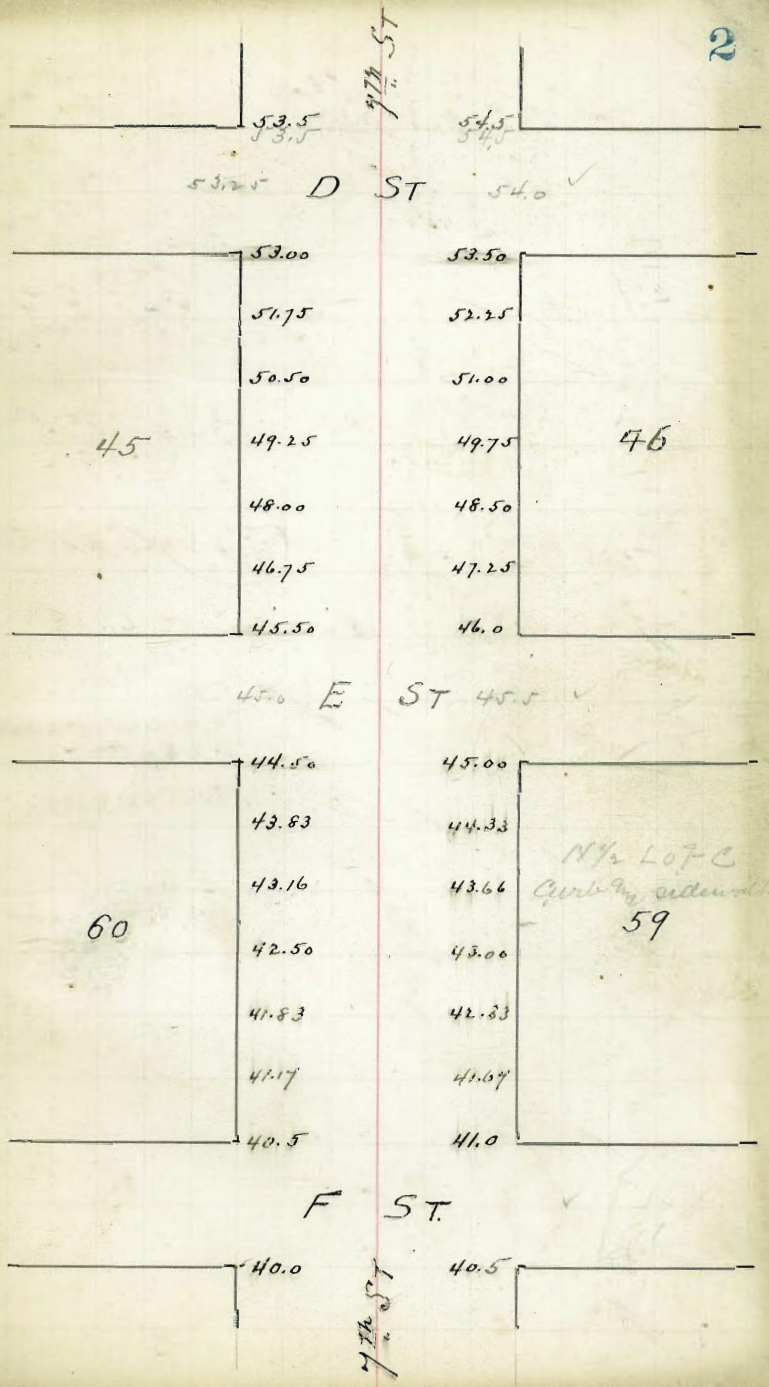
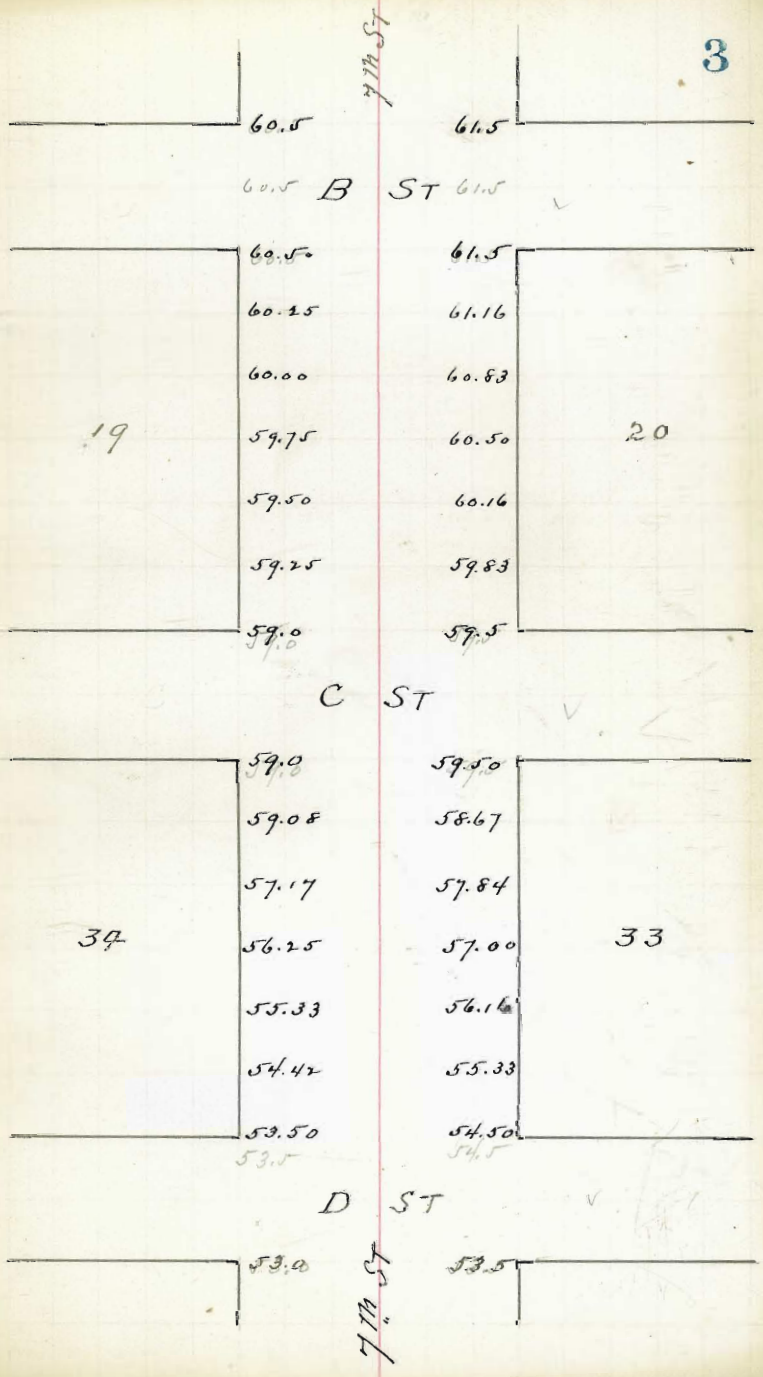
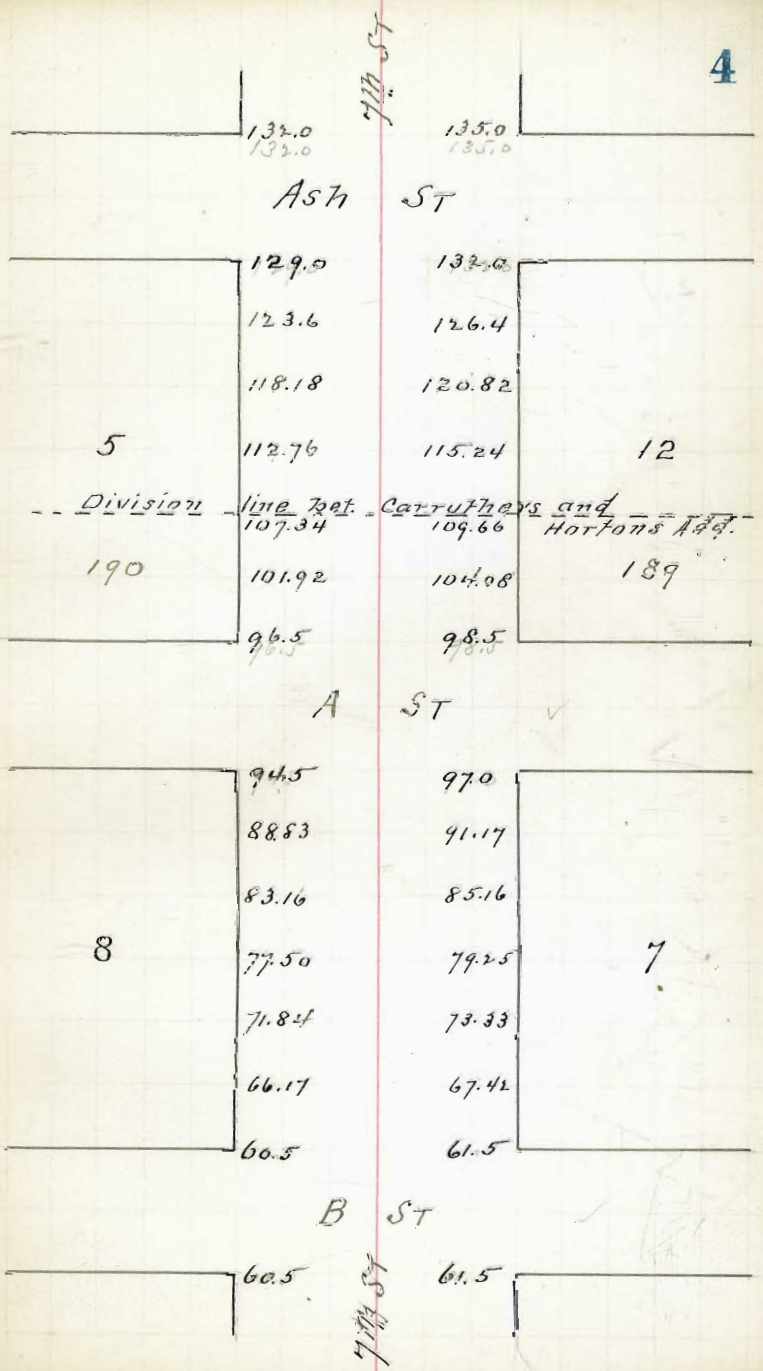
Return to City Engineers Office
City Hall, San Diego, Cal.

Seventh St Grades - F to Park		2-6
4th St Grades - Ivy to University		7-17
H " "	6th " 16th "	18-21
5th " "	B " Walnut	22-33
Beech " "	4th to 7th	34

4.27	59.08		54.81
		5.83	53.25
		5.08	54.00
5.60	50.64		45.04
		5.64	45.00
		5.14	45.50




7th St
60.5
61.5
B ST
60.5
61.5
60.5
60.25
60.00
59.75
59.50
59.25
59.0
61.5
61.16
60.83
60.50
60.16
59.83
59.5
19
20
C ST
59.0
59.08
57.17
56.25
55.33
54.42
53.50
59.50
58.67
57.84
57.00
56.16
55.33
54.50
34
33
D ST
53.0
53.5
7th St


7th St
132.0
132.0
135.0
135.0
Ash St
129.0
123.6
118.18
112.76
107.34
101.92
96.5
132.0
126.4
120.82
115.24
109.66
104.08
98.5
5
Division line bet.
190
Carruthers and Hortons Add.
189
12
A St
94.5
88.83
83.16
77.50
71.84
66.17
60.5
97.0
91.17
85.16
79.25
73.33
67.42
61.5
8
7
B St
60.5
61.5
7th St

ash

133.92
3.20
137.12
133.5
E 3.62

133.92
3.20
137.12
130.50
W 6.62

Beech

157.16
0.46
157.62
153.00
E 4.62

157.62
150.00
7.62

157.62
153.33
4.29

157.16
1.01
158.17
153.50
5.17

158.17
153.33
4.84

158.17
5.67
152.50

158.17
151.33
6.84

159.47
6.10
165.57
158.50
7.07

165.57
161.5
4.07

June 9. 98

Order No – 991
Grades to Lot 1 Bek 10

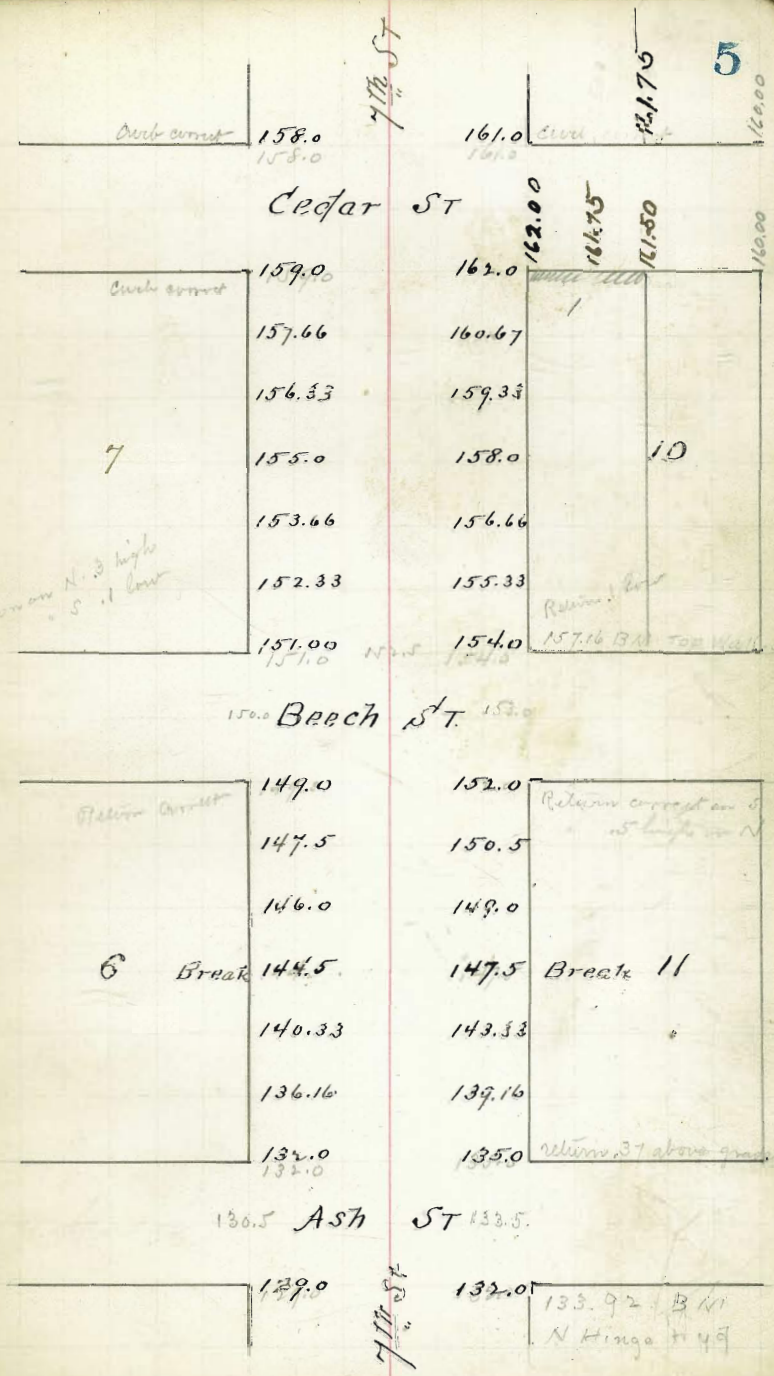
159.47 B.M
5.80
165.27

160.28 B.M.
6.49
166.77
5.10
161.67
on North,

166.77
5.25
161.52 on South

160.28
6.46
166.74
161.50
5.24

166.74
161.75
4.99



BM-
E side

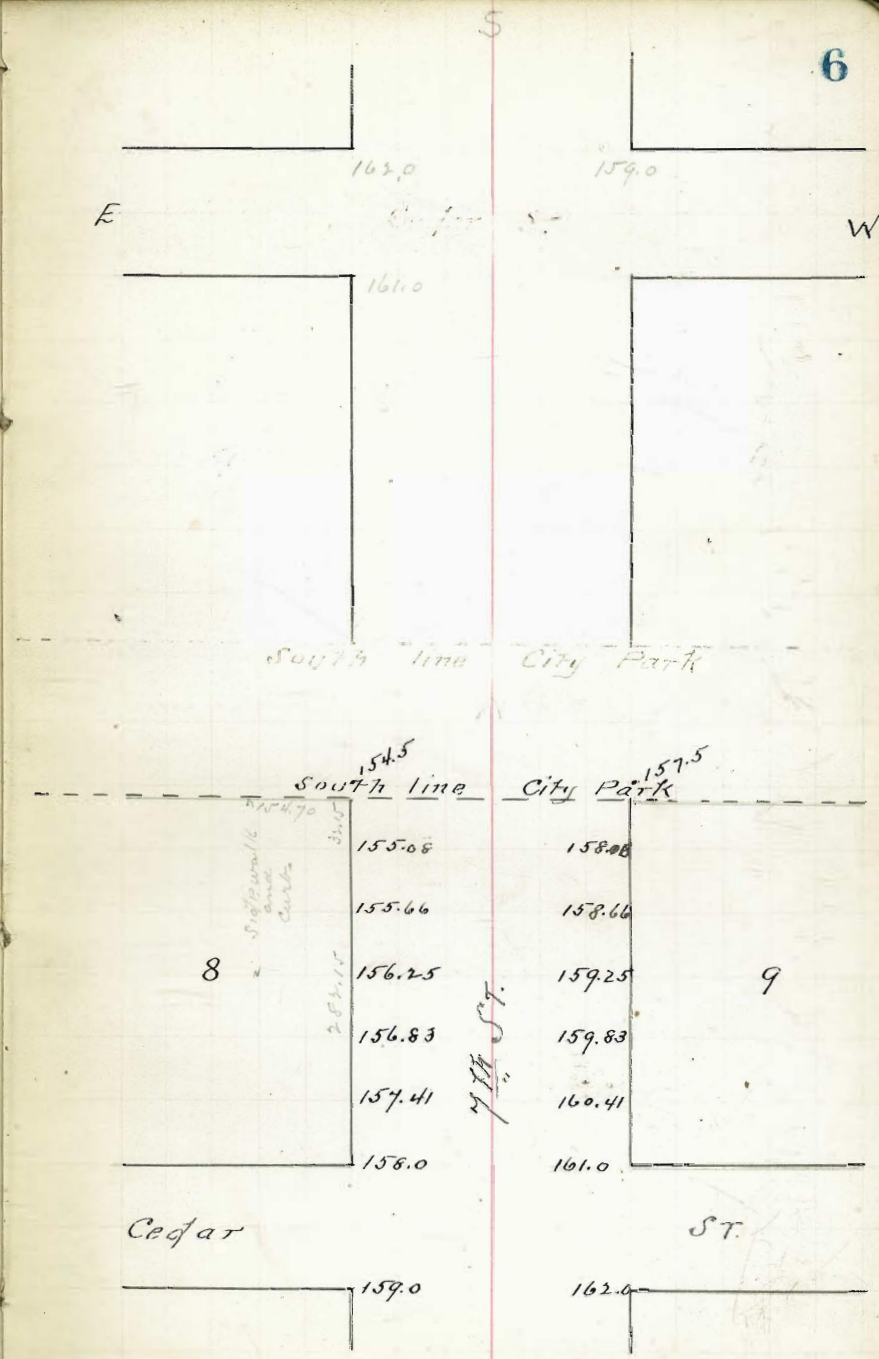
159.47
3.12
162.59
154.70
7.89

162.59
155.08
7.51

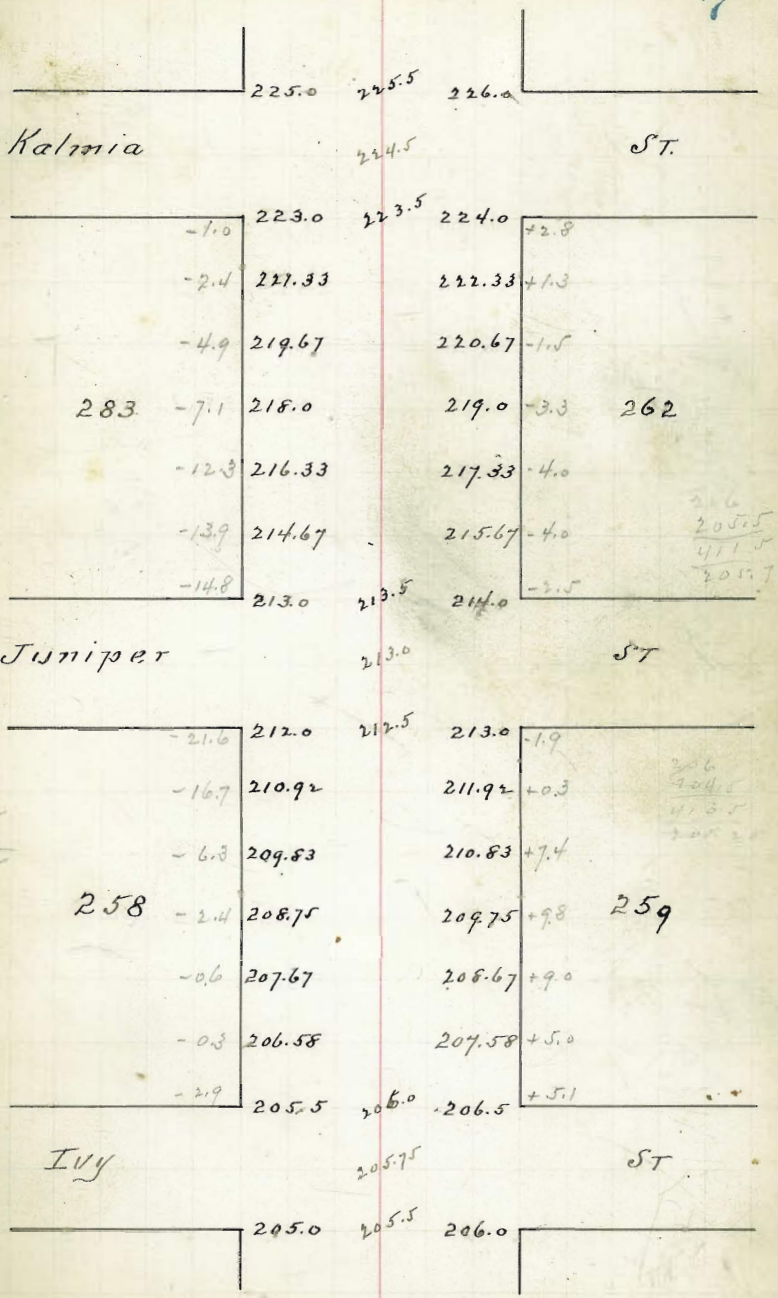
162.59
155.66
6.93

162.59
156.25
6.34

159.47



4 7½ ST.



206.00 7.10 213.10

213.10 205.5 7.6

213.10 206.58 6.52

213.10 207.67 5.43

213.10 208.75 4.35

213.10 209.83 3.27

213.10 210.92 2.18

213.10 212.0 1.10

213.10 211.92 1.18

213.10 210.83 2.27

213.10 209.75 3.35

213.10 208.67 4.43

213.10 207.58 5.52

213.10 206.50 6.60

213.10 1.19 211.91 5.50 217.41

217.41 213.00 4.41

217.41 214.00 3.41

206.0 9.28 215.28

214.00 1.08 224.08

215.28 205.5 9.78

215.28 206.58 8.70

215.28 207.67 7.61

215.28 208.75 6.53

215.28 209.83 5.45

215.28 210.92 4.36

215.28 212.0 3.28

215.28 214.00 1.28

224.08 215.67 8.41

224.08 217.33 6.75

224.08 219.0 5.08

224.08 220.67 3.41

224.08 222.33 1.75

223.00 1.03 224.03

224.03 220.17 3.86

224.03 218.5 5.53

224.03 216.83 7.20

224.03 215.17 8.86

224.03 213.5 10.53

224.03 215.67 8.36

224.03 217.33 6.70

224.03 219 5.03

212.5 2.85 215.35

215.35 211.42 3.93

215.35 210.33 5.02

215.35 209.22 6.15

206.00 8.59 214.59

214.59 212.00 2.59

214.59 213.00 1.59

214.59 205.5 9.09

206.00 10.22 216.22

216.22 212.5 3.72

216.22 213.50 2.72

216.22 211.40 4.82

216.22 210.32 5.90

216.22 209.24 6.98

216.22 208.16 8.06

216.22 207.08 9.14

213.50 11.49 224.99

224.99 223.50 1.49

216.22 206 10.22

1.83 244.58 242.75

244.58	244.58	244.58	244.58	233.00
242.00	239.33	236.67	234.00	127
2.58	5.25	7.91	10.58	204.27 (TP)
234.27	234.27	234.27		
230.33	227.67	225.00		
3.94	6.60	9.27		

242.75
1091

253.66	253.66	253.66	253.66	253.66	253.66	253.66
242.50	244.08	245.67	247.25	248.83	250.42	252.00
11.16	9.58	7.99	6.41	4.83	3.24	1.66
253.66	253.66	253.66	253.66	253.66	253.66	253.66
243.50	245.08	246.67	248.25	249.83	251.42	253.00
10.16	8.58	6.99	5.41	3.83	2.24	.66

3.35	4.40	5.50	3.92	4.95	3.81	4.62
.75	.25	.75	.75	.25	.75	.25
4.10	4.65	6.25	4.67	5.20	4.56	4.87
6.21	5.23	3.95	4.92	4.95		
.25	.75	.75	.25	.75		
6.46	5.98	4.70	5.17	5.70		

4th ST

		253.5	254.5		

Maple ST.

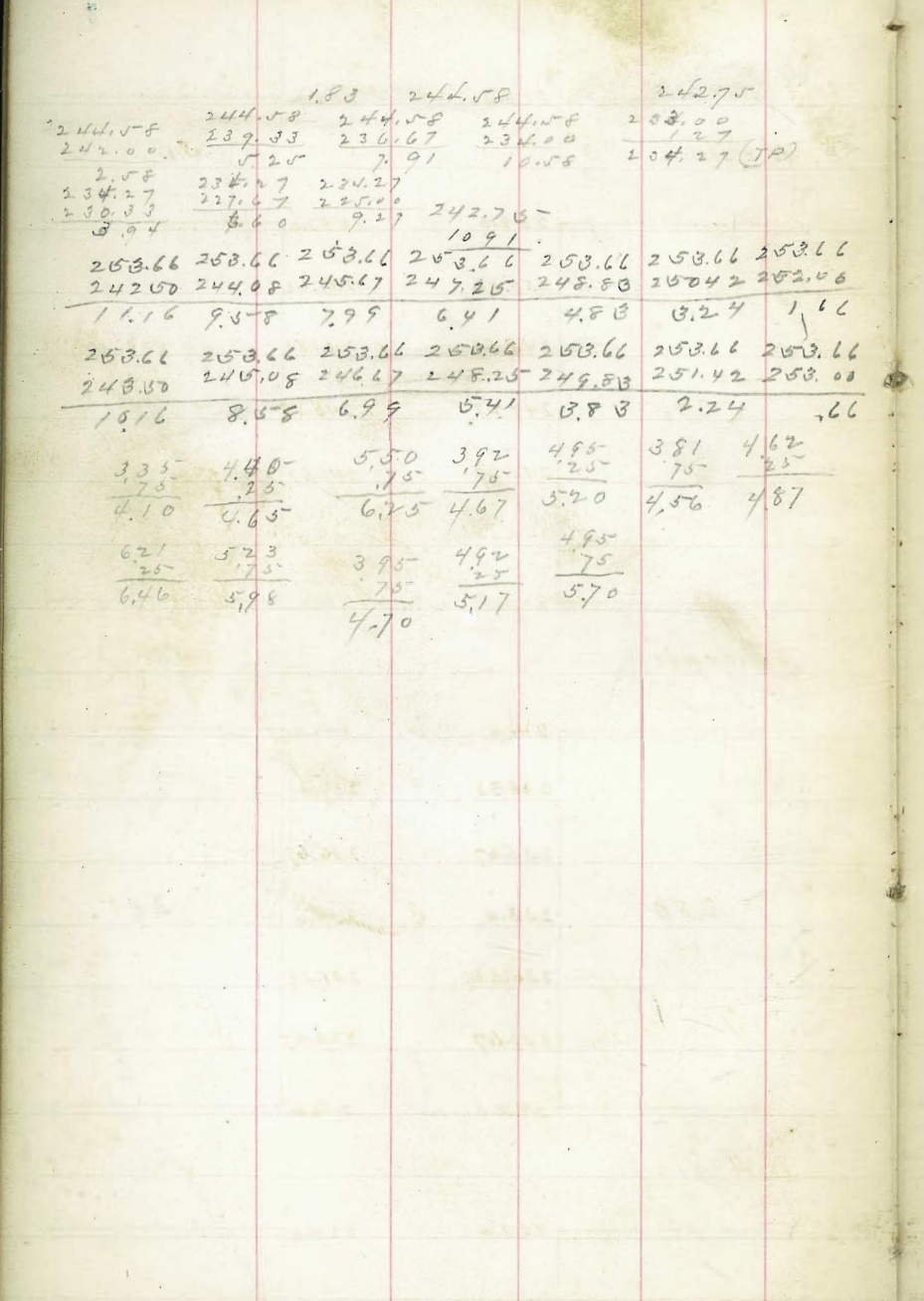
	-0.2	252.0	253.0	-0.3	
	+0.1	250.42	251.42	+0.1	
	+0.4	248.83	249.83	+1.1	
285	+0.9	247.25	248.25	+1.4	284
	+3.9	245.67	246.67	+1.9	
	+1.5	244.08	245.08	+2.4	
	+1.5	242.5	243.5	+2.7	

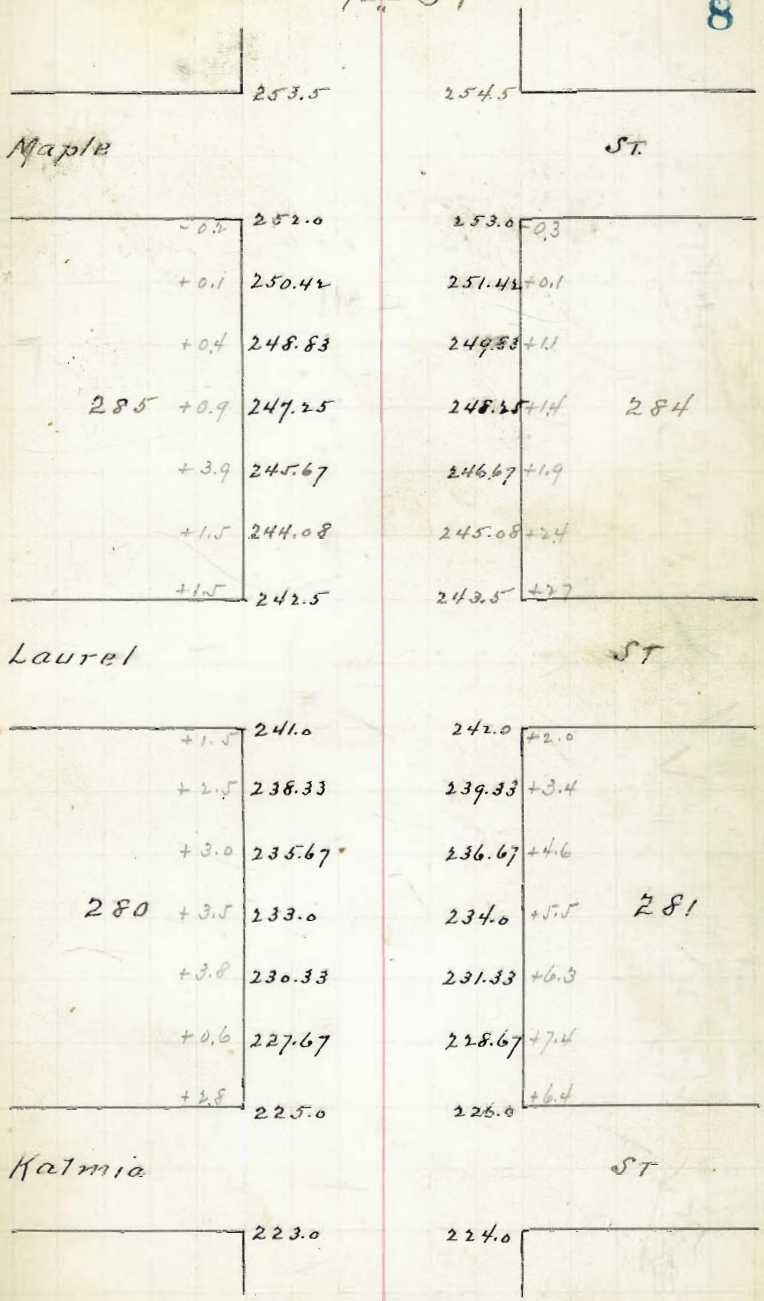
Laurel ST

	+1.5	241.0	242.0	+2.0	
	+2.5	238.33	239.33	+3.4	
	+3.0	235.67	236.67	+4.6	
280	+3.5	233.0	234.0	+5.5	281
	+3.8	230.33	231.33	+6.3	
	+0.6	227.67	228.67	+7.4	
	+2.8	225.0	226.0	+6.4	

Kalmia ST

		223.0	224.0		





263.81 BM
249

266.30	266.30	266.30	266.30	266.30	266.30	266.30
261.00	259.75	258.50	257.25	256.00	254.75	253.5
5.30	6.55	7.80	9.05	10.30	11.55	12.80

266.30	266.30	266.30	266.30	266.30	266.30	266.30
262.00	260.75	259.50	258.25	257.00	255.75	254.50
4.30	5.55	6.80	8.05	9.30	10.55	11.80

266.30
262
4.30

266.30
263
3.30

267.5
3.17
270.67
264

270.67
266.25
4.42

264.08
263.67
527.75
263.87

263.81
3.60
267.41

273.48
266.00
7.48

271.38
2.58
273.96
264.5
9.46

273.96
264.08
9.88

273.96
263.87
10.09

271.38
2.10
273.48
265.0
8.48

For Block Bet. Olive and Palm
See page #17

4th ST

		265.0	266.0		
Olive			ST		
		264.5	265.5		
	+3.10			+3.40	
	+2.90	264.08	265.08	+2.50	
		263.87			
	+2.60	263.67	264.67	+1.60	
308	+2.60	263.25	264.25	+1.8	307
	+1.90	262.83	263.83	+1.50	
	+1.00	262.42	263.42	+0.80	
	+0.30	262.0	263.0	+0.50	
Nutmeg	.207 SPK		ST		
	+0.2	261.0	262.0	0.0	
	+0.2	259.75	260.75	+0.3	
	00	258.50	259.50	-0.1	
303	-0.9	257.25	258.25	+0.4	304
	+0.3	256.00	257.00	+0.0	
	+0.3	254.75	255.75	+0.4	
	+0.2	253.5	254.5	+0.2	
Maple			ST		
		252.0	253.0		

277.24
146
278.70
268.00
10.70

278.70
267.50
11.20

278.70
267.75
10.95

278.70
268.25
10.45

278.70
268.50
10.20

278.70
268.75
9.95

277.24
1.79
279.03

278.70
269.00
9.70

267.5
4.63
272.13
269.00
3.13

282.09 BM 5" stut
248
284.57
11.84
272.73
2.60
275.33
269.75
5.58

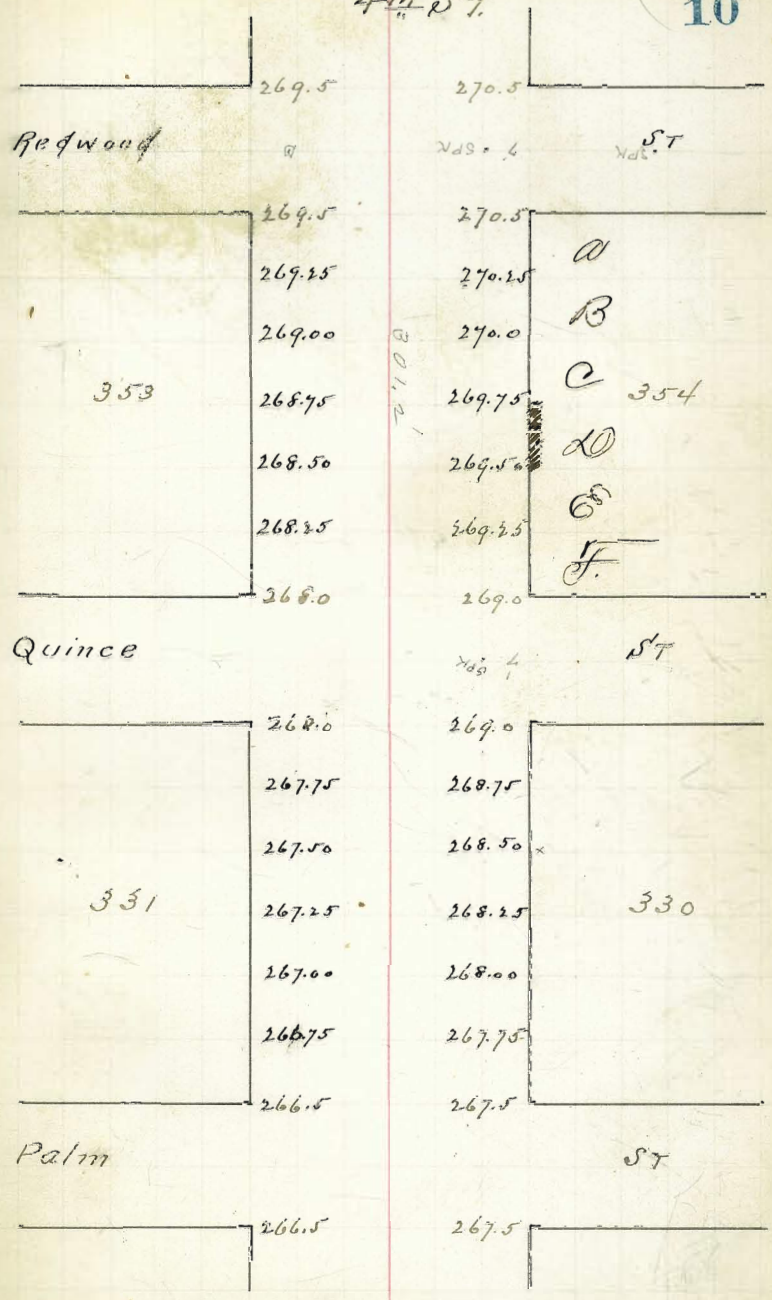
275.33
269.50
5.83

275.33
269.25
6.08

275.33
270.25
5.08

275.33
269
6.33

4th ST.



284.57	284.57	284.57	284.57	284.57	275.00	277.13
279.0	278.00	277.00	276.00	275.00	2.13	270.00
5.57	6.57	7.57	8.57	9.87	277.13	7.13

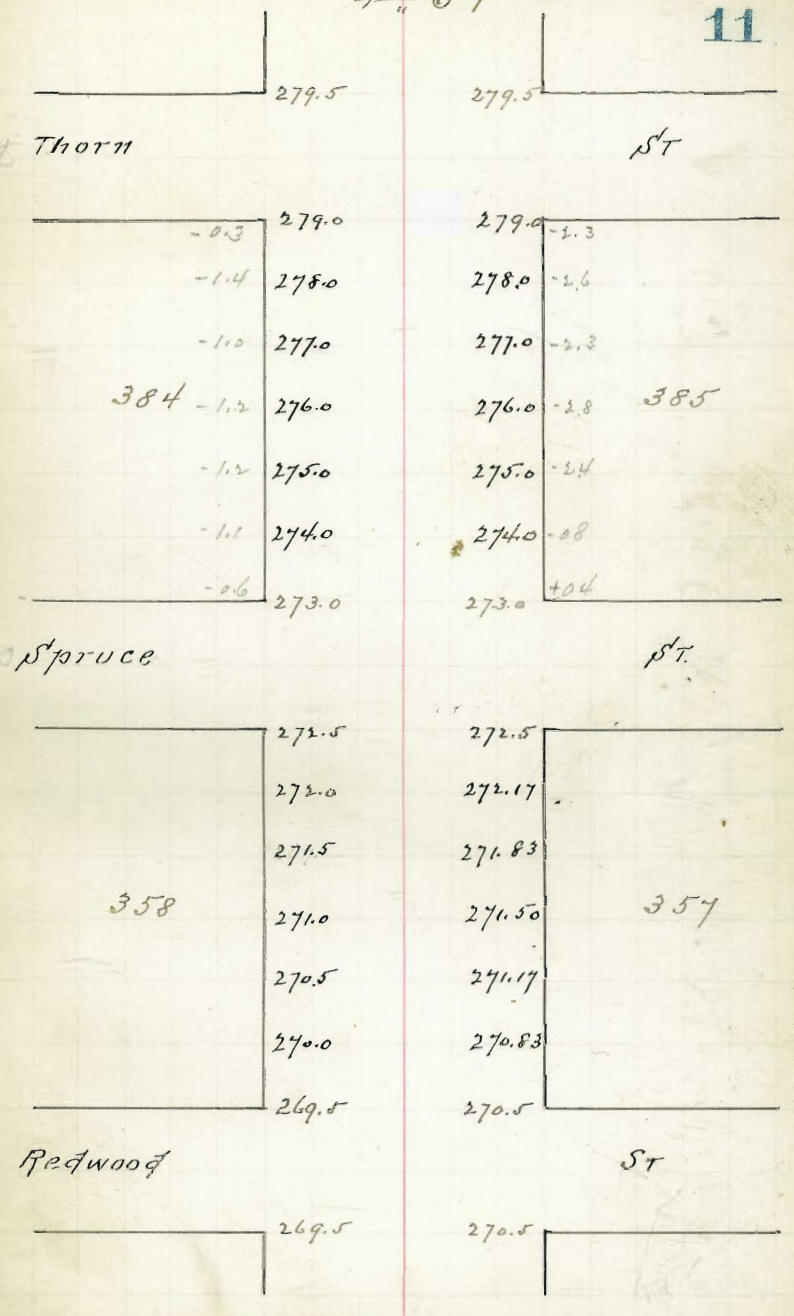
277.13	277.13	277.13	277.13	277.13	277.13	277.13	277.13
274.00	272.00	272.50	272.00	271.5	270.00	270.5	269.50
3.13	4.13	4.63	5.13	5.63	6.13	6.63	7.63

277.13	277.13	277.13	277.13	277.13	277.13
270.5	270.83	271.17	271.50	271.83	272.17
6.63	6.30	5.96	5.63	5.30	4.96

280.96						
279.0	2.96	3.96	4.96	5.96	6.96	7.96
1.96						

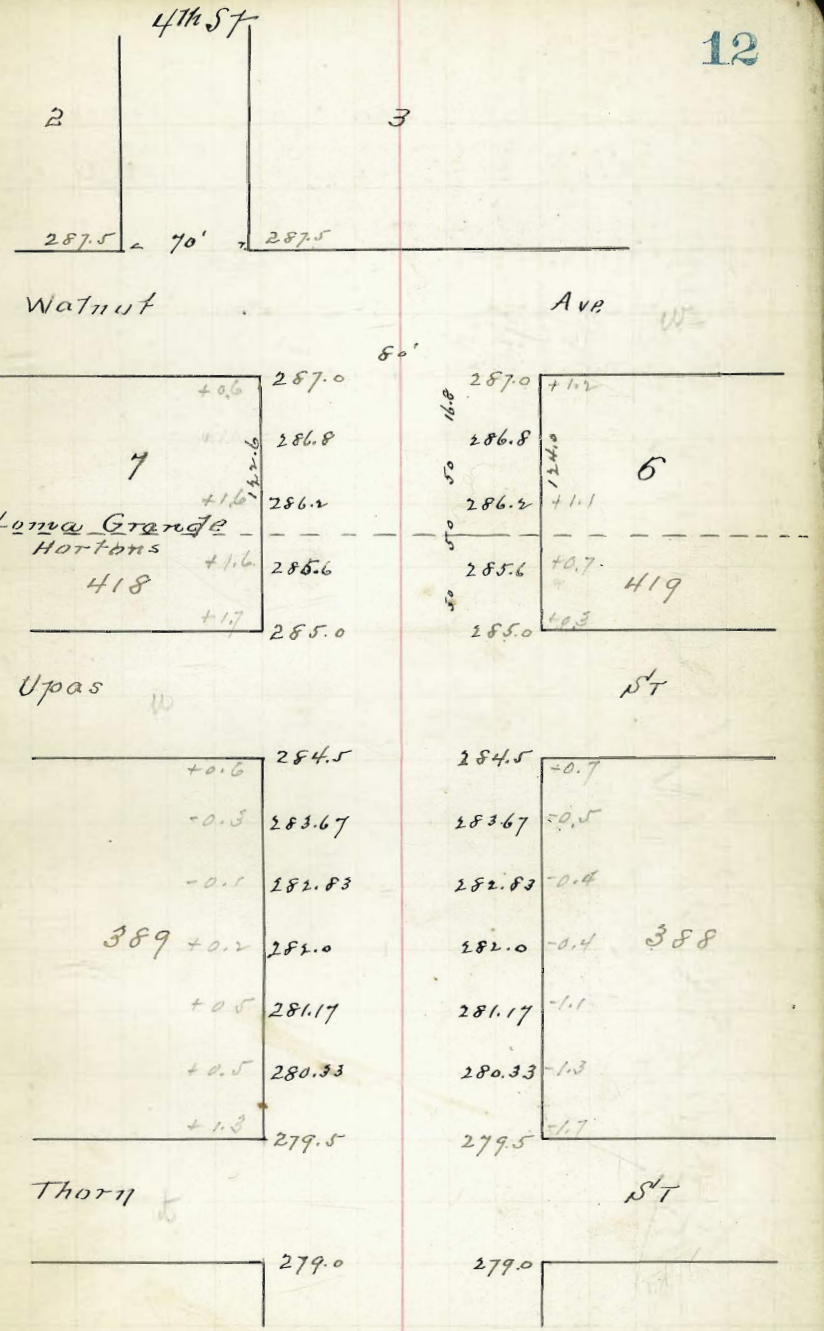
280.96	280.96	280.96	280.96	280.96	280.96	280.96
273.00	273.00	273.00	273.00	273.00	272.5	273.00
7.96	7.96	7.96	7.96	7.96	8.46	7.96

280.96	280.96	280.96	280.96	280.96	
71.5	71.0	70.5	70.00	269.5	
9.46	9.96	10.46	10.96	11.46	



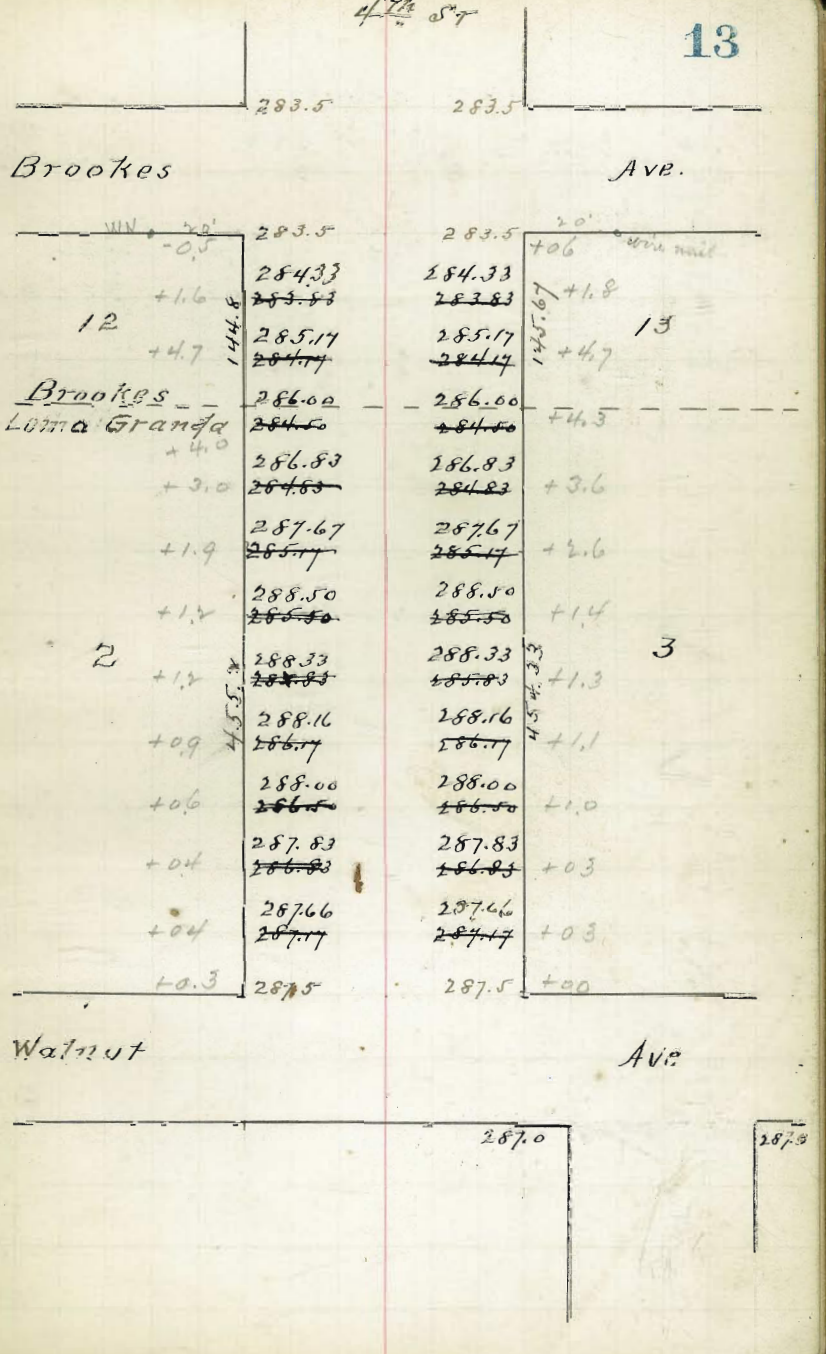
BM Edge Pole Walnut + 4'

		4.05	292.23		288.18	
292.23	292.23	292.23	292.23	292.23	292.23	283.67
287.0	286.2	285.6	285.0	284.5	283.67	+ 6.90
5.23	6.03	6.63	7.23	7.73	8.56	290.57
284.57	284.57	284.57	284.57	284.57		
282.83	282.00	281.17	280.33	279.50		
1.74	2.57	3.40	4.24	5.07		
288.18	291.54	291.54	291.54	291.54	291.54	291.54
3.36	86.2	85.6	85.0	84.5	83.67	82.83
284.82	4.34	5.94	6.54	7.04	7.87	8.71
282.46	291.54	291.54	280.33	280.96		
5.72	281.17	80.33	0.63	79.5		
	10.37	11.21	280.96	1.46		



4.91 293.09 288.18

293.09	293.09	293.09	293.09	293.09	293.09	293.09
287.5	287.66	287.83	288.00	288.16	288.33	288.50
5.59	5.43	5.26	5.09	4.93	4.76	4.59
293.09	293.09	293.09	293.09	293.09	293.09	
287.67	286.83	286.00	285.17	284.33	283.50	
5.42	6.26	7.09	7.92	8.76	9.59	
283.67	291.94	291.94	291.94	291.94	291.94	291.94
8.27	84.33	85.17	86.00	86.83	87.67	288.50
291.94	7.61	9.77	5.94	5.11	4.27	3.44
291.94	291.94	291.94	291.94	291.94	291.94	20
88.33	88.16	88.00	287.83	287.66	287.50	
3.61	3.78	3.94	4.11	4.28	4.44	
287.5	293.2					
5.7	288					
293.2	5.2					
287.7						
5.5						



Am 12/4/95

3.97 289.16 285.19

289.16 289.16 289.16 289.16 289.16
285.5 285.33 285.17 285.00 284.83
3.66 3.83 3.99 4.16 4.33

289.16 289.16 289.16 289.16 289.16
284.67 284.50 284.33 284.17 284.00
4.49 4.66 4.83 4.99 5.16

289.16 289.16 289.16 289.20
283.83 283.67 283.50 283.70
5.33 5.49 5.66 5.50

289.20 289.20 289.20 289.20 289.20
285.5 285.33 285.17 285 284.83
3.7 3.87 4.03 4.20 4.37

289.20 289.20 289.20 289.20 289.20 289.20 289.20
284.67 284.50 284.33 284.17 284.00 283.83 283.67
4.53 4.70 4.87 5.03 5.20 5.37 5.53

289.20
5.26
285.19
290.45
285.5
4.95

Dr C. E Luscomb Nov 3rd 1897
Ordr No 946

Survey of Lot 4 Blk 8 Brookes also grades

285.19 B.M NW Cor 4th Thornton
5.00

290.19 290.19
285 284.83
5.19 5.36

Dec 12 98

Ordr No 1032

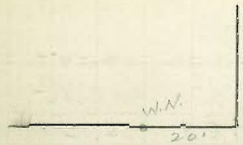
Grades to Lot 9 Blk 8 Brookes.

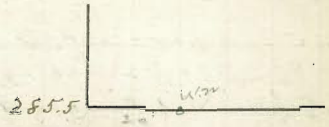
284.22 B.M
3.54

287.76 287.76
284.17 284.00
3.59 3.76

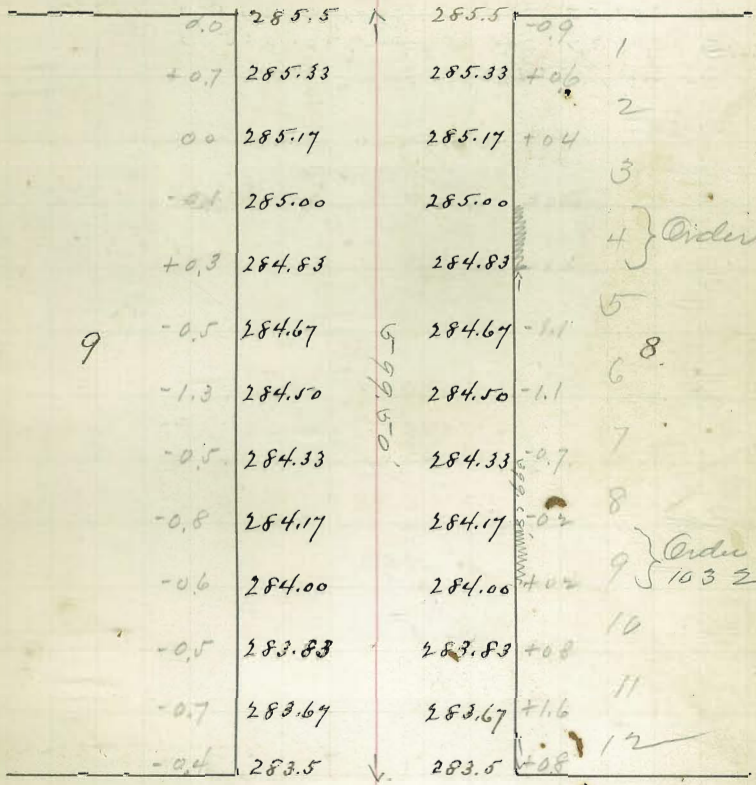
Checking 284.22
4.57

288.79 288.79
284.00 284.17
4.79 4.62

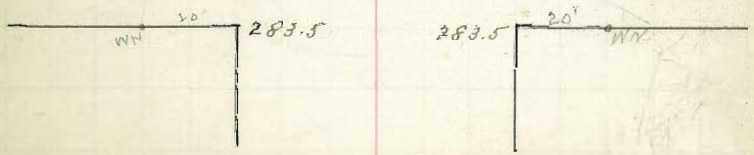




Thornton Ave.



Brookes Ave.



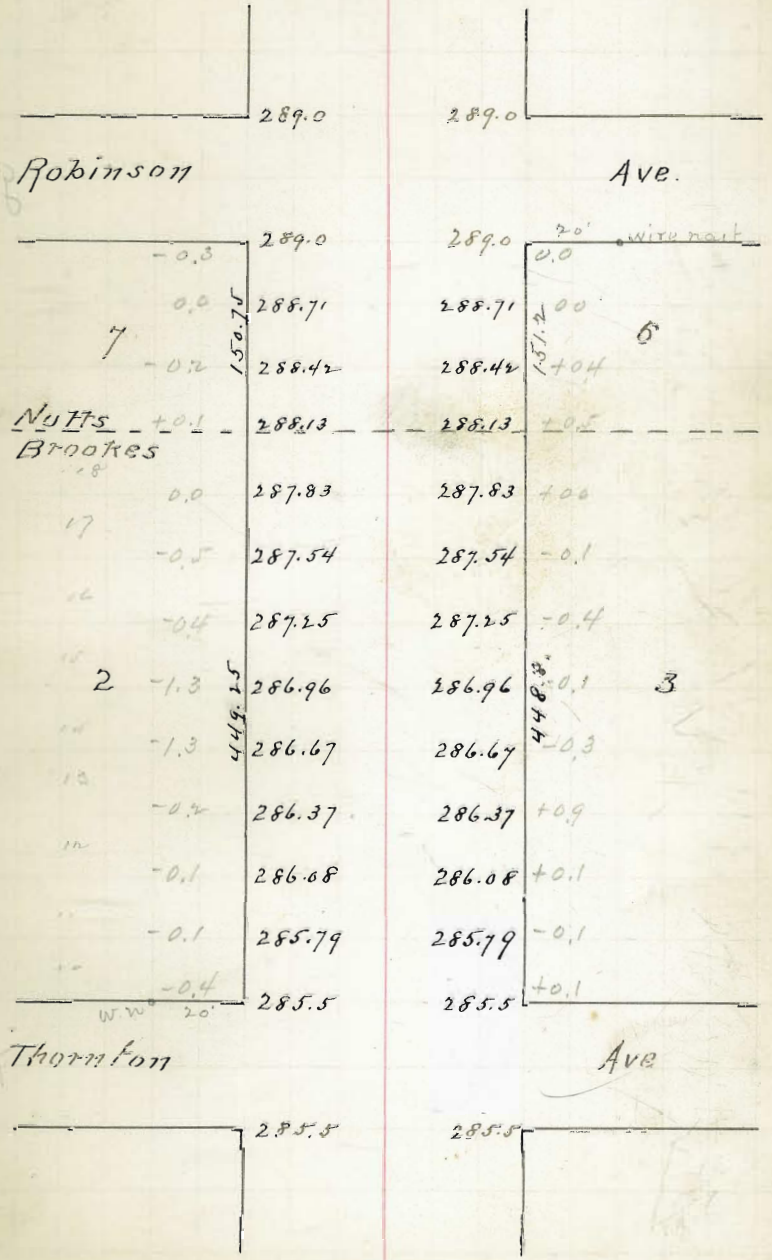
293.52	293.52	293.52	293.52	293.52	293.52	293.52
288.71	288.42	288.13	287.83	287.54	287.25	286.96
4.81	5.10	5.39	5.69	5.98	6.27	6.56

293.52	293.52	293.52	293.52	293.52	293.52	293.52
286.67	286.37	286.08	285.79	285.50		
6.85	7.15	7.44	7.73	8.02		

292.10
6.97
285.13

288.88	292.10	292.10	292.10	292.10	292.10	
3.22	88.71	88.42	88.13	87.83	87.54	
292.10	3.39	3.68	3.97	4.27	4.56	
292.10	292.10	292.10	292.10	292.10	292.10	92.10
87.25	86.96	86.67	86.37	286.08	285.79	85.5
4.85	5.14	5.43	5.73	6.02	6.31	6.60

288.88	288.42	292.87	292.87	292.87	292.87	
5.04	4.45	288.13	287.83	287.54	287.25	
293.92	292.87	4.74	5.04	5.33	5.62	
287.5	4.08					
6.42	288.79					



288.88
4.64

293.52	293.52	293.52	293.52	293.52	293.52	293.52
289.00	288.82	288.64	288.45	288.27	288.09	287.91
4.52	4.70	4.88	5.07	5.25	5.43	5.61

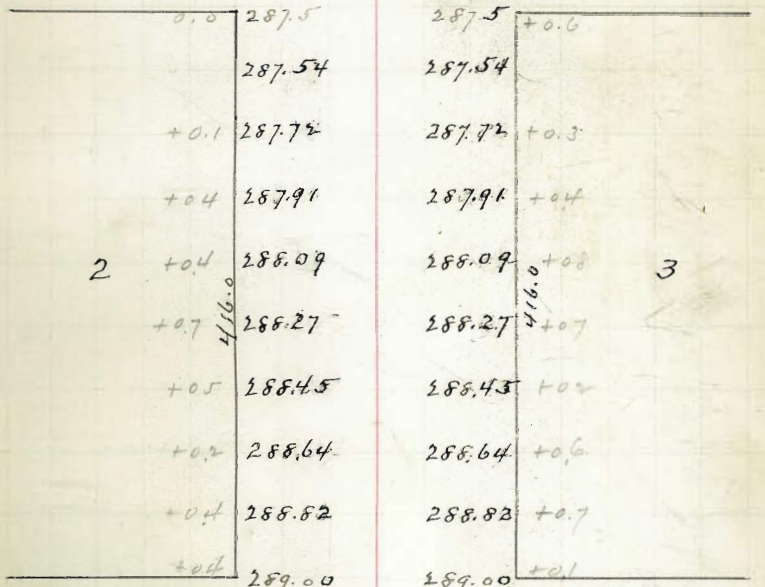
293.52	293.52	293.52	293.52	293.52	293.52	293.52
287.72	287.54	287.36				
5.80	5.98	6.02				

289.88	293.61	293.61	293.61	293.61	293.61
3.73	287.72	287.91	288.09	288.27	288.45
293.61	5.89	5.70	5.52	5.34	5.16
287.5					
6.11	293.61				
293.61	288.82				
288.64	4.79				
4.97					

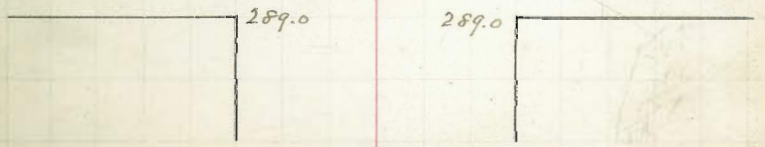
4th ST

University Ave.

Notts



Robinson Ave.



293.52 293.52 293.52 293.52 293.52 293.52

293.52 293.52 293.52 293.52 293.52 293.52

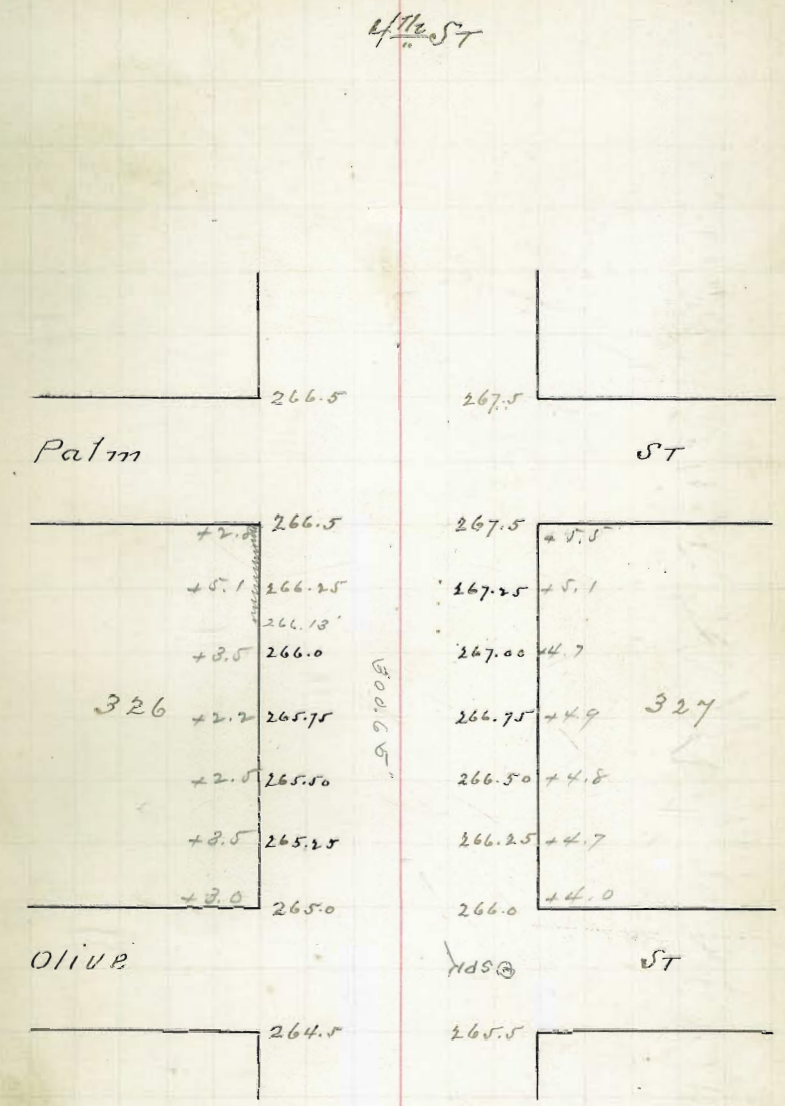
267.60
4.58

272.08	272.08	272.08	272.08	272.08	272.08
267.60	267.25	267.00	266.60	266.25	266.00
4.58	4.83	5.08	5.58	5.83	6.08

267.5
3.68
271.18

277.24 B.M Mch 20 1899
0.89

278.13	278.13
266.60	266.13
11.68	12.00
1.25	1.25
11.38 Prof grade	11.75 Prof grade



H. Dec 13th 1886

27.63 B.M.
359

31.22	31.22	31.22	31.22	31.22	31.22
25.33	26.24	26.75	28.75	28.04	27.33
5.89	4.98	4.47	2.47	3.18	3.89

31.22	31.22	31.22	32.18	32.18	32.18	32.18
25.74	26.25	32.18	27.58	27.83	28.08	28.33
5.48	4.97	26.79	4.60	4.35	4.10	3.85

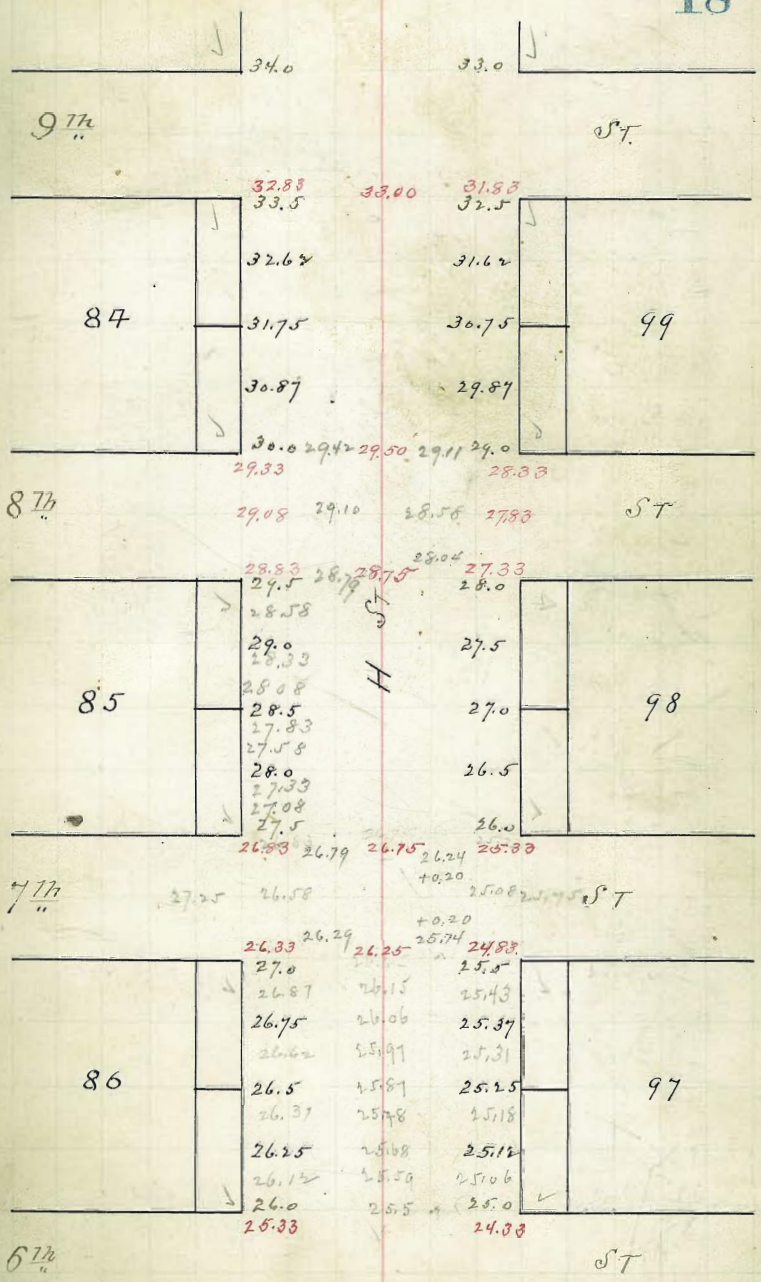
BM 27.63	32.18	32.18	32.18	32.18	32.18	32.18	32.18	32.18	3.39
4.55	26.83	27.08	27.33	28.83	28.58	28.79	3.39	26.79	25
32.18	5.35	5.10	4.85	3.35	3.60	3.39	3.64	5.39	3.64
									25
									3.89
									25
									4.14
									25
									4.39
									25
									4.64
									25
									4.89
									25
									5.14
									25
									5.39
									5.35
									12
									5.47
									13
									5.60
									12
									5.72
									13
									5.85

32.18	32.18	32.18	32.18	32.18	32.18	32.18	32.18		
26.58	26.33	26.29	29.33	29.08	28.83	29.42	29.10		
5.60	5.85	5.89	2.85	3.10	3.35	2.76	3.08		
32.18	32.18	32.18	32.18	32.18					
28.79	29.11	28.58	28.33	27.83					
3.39	3.07	3.60	3.85	4.35					

31.02
326

34.28	34.28	34.28
29.33	28.83	
4.95	5.45	

BM 26.05	30.37	30.37	30.37	30.37	30.				
4.32	24.33	24.39	24.45	24.52					
30.37	6.04	5.98	5.92	5.85					
BM 27.63	30.60	30.60	30.60	30.60	30.60	30.60	30.60	30.60	30.60
2.97	24.83	24.76	24.70	24.64	24.58	24.51	24.45	24.39	
30.60	5.77	5.84	5.90	5.96	6.02	6.09	6.15	6.21	
BM 27.63	30.97	30.97	30.97	30.97	30.97	30.97			
3.34	26.33	26.20	26.08	25.95	25.83				
30.97	4.64	4.77	4.89	5.02	5.14				



40.63 B.M.
4 4 2

45.06	45.06	45.06	45.06	45.06
38 38	38 74	38 75	38.49	37.83
6.72	6.81	6.80	6.56	7.22

45.06	45.06	45.06	45.06	45.06
43 33	43 56	43 50	43 11	42 33
1.72	1.49	1.56	1.94	2.72

45.06	45.06	45.06	45.06	45.06
37.33	37.64	37.75	37.44	36.83
7.72	7.41	7.30	7.61	8.22

49.08 B.M.
1.30

50.38	50.38	50.38	50.38	50.38
43.83	44.61	45.00	45.06	44.83
6.56	5.77	5.38	5.32	5.55

50.38	50.38	50.38	50.38	50.38
47.83	48.06	48.00	47.61	46.83
2.55	2.32	2.38	2.77	3.55

44.94	44.94	44.94	44.94	44.94
38 33	38.74	38 75	38.49	37.83
6.61	6.20	6.19	6.45	7.11

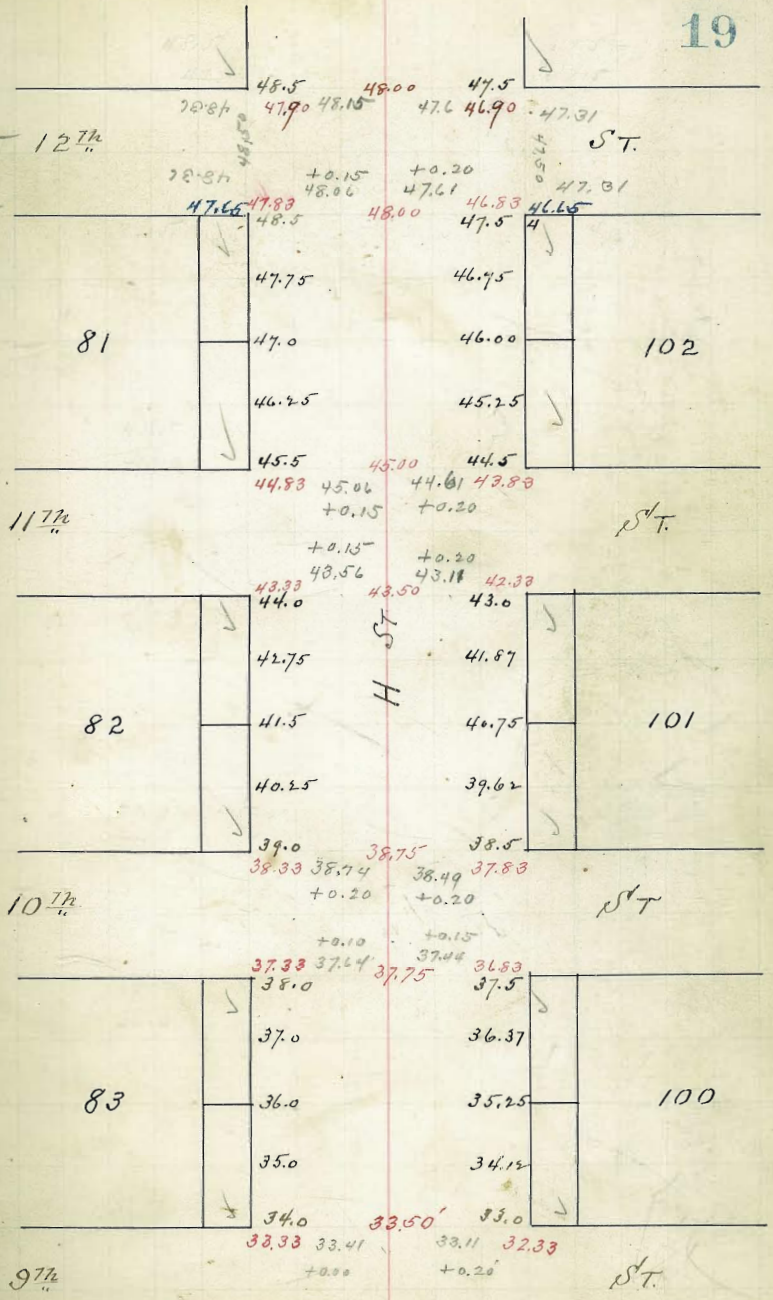
49.08 B.M.
0.8

49.16	49.16	49.16	49.16	49.16
43 33	43 56	43 50	43 11	42 33
5.83	5.60	5.66	6.05	6.83

49.16	49.16	49.16	49.16	49.16
38 33	38 74	38 75	38 49	37.83
10.83	10.42	10.41	10.67	11.33

49.16	49.16	49.16	49.16	49.16
44.83	45.06	45.00	44.61	43.83
4.33	4.10	4.16	4.55	5.33

45.06 — 37.83 — 7.22



4.43 53.51 49.08

53.51 53.51 53.51 53.51 53.51
47.50 47.75 48.00 48.25 48.50
6.01 5.76 5.51 5.26 5.01

50.06 B.M.
3.56

53.62 53.62 53.62 53.62 53.62
50 48.50 48.12 47.75 47.37
3.62 5.12 5.50 5.87 6.25

B.M. 47.19 48.44 48.44 48.44
1.25 45.00 43.06 41.12
48.44 3.44 5.38 7.32

50.06 B.M.
4.87

54.93 54.93 54.93 54.93 54.93 54.93
50 49.25 48.50 47.75 47.00
4.93 5.68 6.43 7.18 7.93

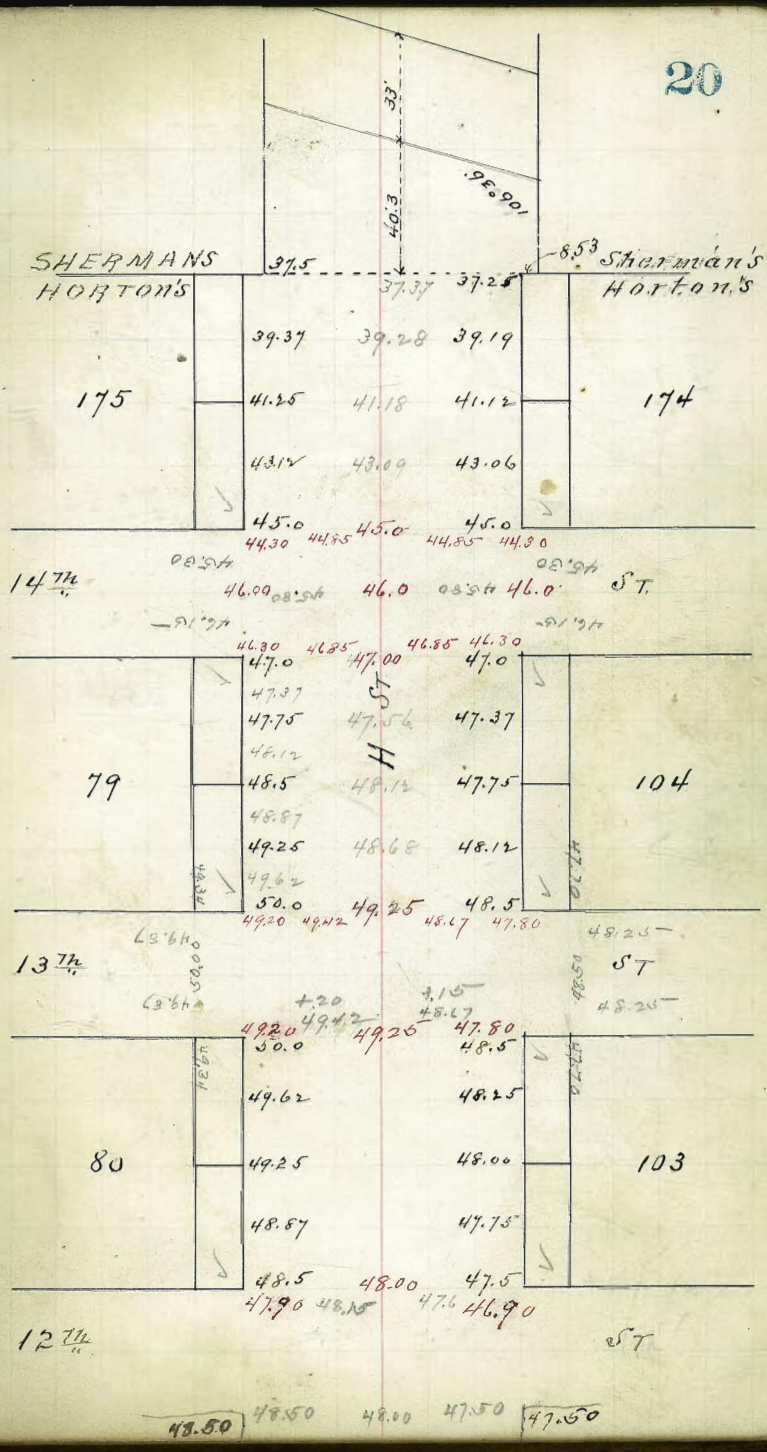
47.19 52.51 52.51 47.19 B.M.
5.32 46.65 47 4.57
52.51 5.66 5.51
46.30 51.76 51.76 51.76
6.21 52.51 52.51 47.00 47.75 45.00
49.42 49.25 4.76 4.01 6.76
3.09 3.26

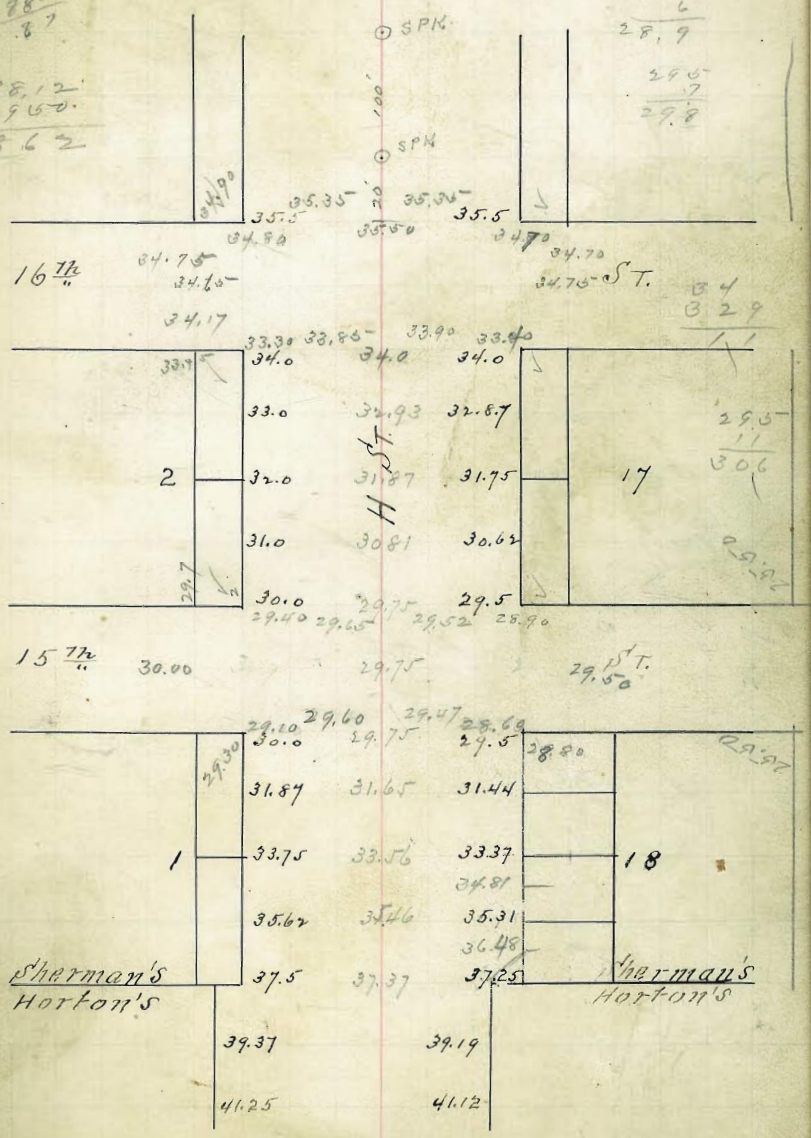
52.51 52.51 52.51 49.08 B.M.
49.20 47.80 3.78
3.31 48.67 47.1
3.84

52.86 52.86 52.86 52.86 52.86
46.90 47.60 48.00 48.15 47.90
5.96 5.26 4.86 4.71 4.96

47.19
3.08
50.27

52.86 52.86 52.86 52.86 52.86
49.20 49.42 49.25 48.67 47.80
3.66 3.44 3.61 4.19 5.06



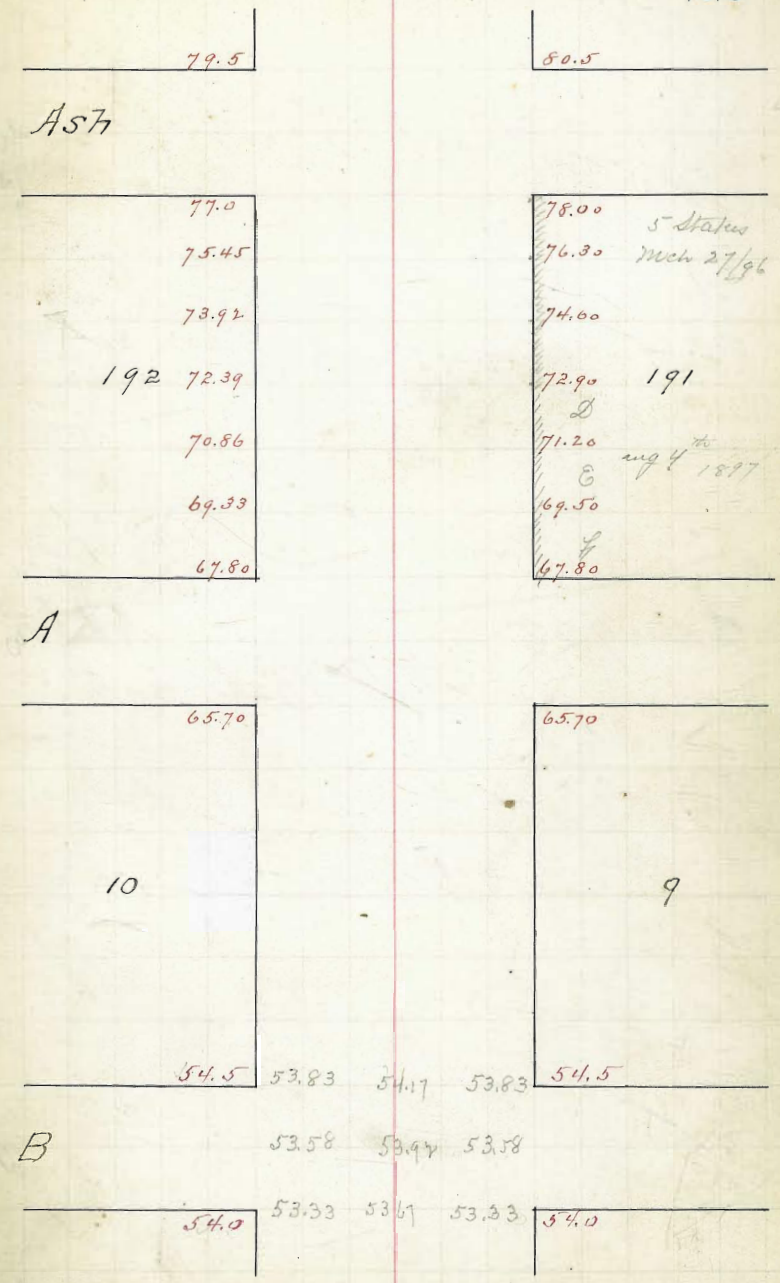

SPK
SPK
16th
ST.
H St.
2
17
15th
ST.
1
18
Sherman's
Horton's
Sherman's
Horton's

Sw' [illegible]
5th + B

		3.41	58.98			55.57	BM.
58.98	58.98	58.98	58.98	58.98	58.98	81.01	81.01
53.33	53.58	53.83	54.17	53.92	53.67	72.90	74.60
5.65	5.40	5.15	4.81	5.06	5.31	8.11	6.41
55.57						81.01	77.63
2.95						76.30	3.38
58.52						4.71	81.01
54.00							78.00
4.52							3.01

67.66 B.M	~~67.6~~	75.08	75.08
7.42	75.08	71.20	72.90
75.08	69.50	3.88	2.18
67.80	5.58		
7.28			

5th



100.82 101.24 101.24 101.24
0.42 93.25 96.50 93.80
101.24 7.99 4.74 7.44
96.00
5.24

100.82 B.M.
8.84
109.66 109.66 109.66
107.00 104.00 101
2.66 5.66 8.66

100.82 B.M.
8.24
109.06 109.06 109.06 106.70
107 2.27 2.27
2.06 106.79 96.79
7.39 7.39
114.18 104.18 104.18
110 110
4.18 1

109.06
2.27
106.79
7.39
114.18
10
4.18

Order 923 Sept 12-97
Lot F Bek 202

84.55
7.800
6.55

79.75 B.M.
4.80
84.55 84.55 84.55
80.50 83.16
4.05 1.39

Order No 964 Dec 28-97
Grades to Lot G. Bek 201.

79.75 B.M.
4.48
84.23 84.23 84.23 84.23
81 80.25 79.87 79.50
3.21 3.98 4.36 4.73

James Gillen 5 m

84.23
77
7.23

118.50 118.50

Cedar

116.00 116.00
L 113.00 113.05
K 110.00 110.14
Douglas J 204 107.00 107.23 203
Brown I 104.00 104.32
H 101.00 101.40
G 98.00 98.50

4 ch

Beech

96.00 96.50
L 93.25 93.80 A
K 90.50 91.14 B
J 201 87.75 88.48 C 202
I 85.00 85.82 D
H 82.25 83.16 E
G 79.50 80.50 F

80.50 81.00 80.62 80.25 79.87 79.50

ASH

77.00 78.00

140.68 142.43 142.43 140.68 146.02
1.75 137.32 135.74 5.34 138.90
142.43 5.11 6.69 146.02 7.12
138.90 140.50
3.53 5.52

Arder No 912 aug 30-97

133.68 BM
764

141.32 141.32 141.32 141.32 141.32 141.32
134.76 135.74 137.32 138.90 140.50

7.16 5.58 4.00 2.42 .82

5th

142.00

Elm

L.	140.50
	138.90
K	137.32
216	135.74
	134.16
H	132.58
G	131.00

Date

	130.00
	128.05
	126.14
213	124.23
	122.32
	120.41
	118.50

Cedar

116.0

142.00

	140.50
A	
	138.90
B	
	137.32
C	
215	135.74
D	
	134.16
E	
	132.58
F	
	131.00

	130.00
	128.05
	126.14
214	124.23
	122.32
	120.41
	118.50

116.0

160.27	165.86	165.86	165.86
5.59	164.16	161.08	159.75
165.86	1.70	4.78	6.11
158.00	160.27	162.79	
7.86	2.52	159.75	
	162.79	3.04	
	158.00		
	4.79		

Order No 916 Sept 4-97

G. J. Blk 230 Horton

160.27 B m
1098

171.25	171.25	171.25
164.16	167.25	170.33
7.09	4.00	.92

Curb & walk was in before stakes were ~~set~~ ordered, so checked curb and found O.K.

	178.50	178.50	
Grape			
	176.50	176.50	
	173.40	173.40	
	170.33	170.33	
230	167.25	167.25	229
	164.16	164.16	
	161.08	161.08	
165.0	158.00	158.00	
Fir			
	156.50	156.50	
	154.05	154.05	
	151.64	151.64	
227	149.25	149.25	228
	146.83	146.83	
	144.41	144.41	
	142.00	142.00	
Elm			
	140.50	140.50	

I
I
H
G
161.50
159.75

198.74 BM Cor Hawthorn H.W. Cor
740

206.14	206.14	206.14	206.14
198.50	200.91	203.33	196
7.64	5.23	2.81	10.14

Wall line for Mossholder Oct 6-97
Order No - 938 -
Lots G. H. Blk 242

380
33
413

413.35

5th

215.00 | 215.00

Ivy

213.00 | 213.00 a
210.55 | 210.55 B
208.14 | 208.14 C
245 205.73 | 205.73 244 D
203.33 | 203.33 E
200.91 | 200.91 F } Kelly
198.50 | 198.50

Hawthorn

196.00 | 196.00
193.05 | 193.05
190.14 | 190.14
242 187.25 | 187.25 243
184.33 | 184.33
Mossholder H 181.41 | 181.41
G 178.50 | 178.50

300.35

Grape

176.50 | 176.50

228.18
1.18
240.25
239.15
1.10

228.18
10.08
238.26
230.00
8.26

238.26 | 238.26 | 238.26 | 238.26
231.66 | 233.33 | 235.00 | 236.66
4.60 | 4.93 | 3.26 | 1.60
236.66 | 241.06 | 242.06 | ~ Blk 262
241.40 | 238.33 | 240.00
3.73 | 2.06

228.18
10.47
238.65
1.36
237.29
8.66
245.95
241.00
4.95

245.95
239.15
6.80
(261)

Order no 852 Riley
215.81 B.M.
10.76
226.57 | 226.57 | 226.57 July 19-97
219.03 | 221.60 | 223.61 — 259
7.24 | 5.07 | 2.91

Robinson + Elkins Order #899. Aug. 21/97

215.81 B.M.
6.46
222.27 H.I.
215.00
7.27

222.27
221.50
0.77

222.27
219.33
2.94

222.27
217.16
5.11

(260)

5th

241.00

Kalmia

240.00
L
238.33
K
236.66
J
262
235.00
I
233.33
H
231.66
G
230.00

Adam Buck

Juniper

228.00
L
225.80
K
223.66
J
259
221.50
I
219.33
H
217.16
G
215.00

Ivy

213.00

242.00

241.00
A
239.15
B
237.33
C
261
235.50
D
233.66
E
231.83
F
230.00

228.00
225.80
223.66
221.50
260
D
219.33
E
217.16
F
215.00

213.00

253.07
6.72
259.79
251.00
8.79

259.79
252.25
7.54
253.07
6.71
259.78

259.79
253.50
6.29
259.78
1.37
258.41

259.79
254.75
5.04

259.79
256.00
3.79

259.79
257.25
2.54

259.79
258.50
1.29

258.40 BM
4.33

262.73
254.75
7.98

262.73
258.50
4.23

262.73
257.25
5.48

262.73
256.00
6.73

Robinson + Elkins Order #900. Aug. 21/97.

253.07 B.M
4.13
257.20 H.I
250.00
7.20

255.00
7.90
262.90 H.I
256.25
6.65

257.20
251.25
5.95

257.20
252.50
4.70

257.20
253.75
3.45

257.20
255.
2.20

262.90
257.50
5.40

Order 918 Sept 7° 97

D. E. F Bels 282.

253.07 B.M.
0.20
253.27
248.46
244.81
1.92

246.73
246.00
0.73

246.73
244.66
2.07

246.73
243.33
3.40

246.73
242.00
4.73

5th

258.00

259.00

Maple

258.41 BM S.E. cir
Spk Tel. pole

257.50
L
256.25
K
255.00
J
284 253.75
I
252.50
H
251.25
G
250.00

258.50
257.25
256.00
254.75 283
253.50
252.25
251.00

Laurel

249.00
247.65
246.33
281 245.00
243.66
242.33
241.00

250.00
248.65 A
247.33 B
246.00 C 282
244.66 D
243.33 E
242.00 F

Kalmia

240.00

241.00

258.41 / 2.77 / 266.18 / 259.00 / 7.18

266.18 / 259.75 / 6.43

266.18 / 260.50 / 5.68

266.18 / 261.25 / 4.93

266.18 / 262.00 / 4.18

266.18 / 262.75 / 3.43

266.18 / 263.50 / 2.68

263.81 / 10.80 / 274.61 / 263.50 / 11.11

274.61 / 265.50 / 9.11

274.61 / 266.50 / 8.11

274.61 / 267.50 / 7.11

274.61 / 268.50 / 6.11

274.61 / 269.50 / 5.11

274.61 / 270.50 / 4.11

274.61 / 271.50 / 3.11

274.61 / 272.00 / 2.61

274.61 / 2.67 / 271.94

263.81 B.M. / 116 / 264.97 / 260.60 / 4.47

264.91 / 259.67 / 5.24

264.91 / 258.83 / 6.08

264.91 / 258.00 / 6.91

J. F. Orr Order #896.

263.81 B.M. / 5.84 / 269.65 #1 / 265.00 / 4.65

269.65 / 265.91 / 3.74

269.65 / 266.83 / 2.82

269.65 / 267.75 / 1.90

5th

271.00

272.00

Olive

307

270.50
269.55
268.64
267.75
266.83 #
265.91 2
265.00

306

271.50
270.50
269.50
268.50
267.50
266.50
265.50

Nutmeg

304

263.00
262.15
261.33
260.50
259.67
258.83
258.00

305

263.50
262.75
262.00
261.25
260.50
259.75
259.00

Maple

257.50

258.50

271.94
6.70
278.64
277.67
5.97

278.64 278.64 278.64 278.64 278.64 278.64
273.33 274.00 274.67 275.33 276.00 277.00
5.31 4.64 3.97 3.31 2.64 1.64

282.16 282.16 282.16 279.32 283.43 283.43
278.00 278.67 279.17 4.11 277.75 277.50
4.16 3.49 3.00 283.43 5.68 5.93

277.24
4.92
282.16
277.33
4.83

282.16 282.16 282.16 282.16 278.00 283.43
277.67 278.33 279.00 279.33 5.43 277.25
4.49 3.83 3.16 2.83 6.18

277.24
3.45
280.69

280.69 280.69 280.69 280.69 280.69
275.50 275.87 276.25 276.62 277
5.19 4.82 4.44 4.07 3.69

277.24 BM
2.91
280.15
275.50
4.65

280.15 280.15 280.15 280.15 280.15 280.15
274.75 274.00 273.25 272.50 271.75 271.00
5.40 6.15 6.90 7.65 8.40 9.15

277.75
4.37 on grade stake
276.12
171
5.12

276.12 276.12 276.12
270.50 271.50 272
5.62 4.62 4.12

277.24 BM
1.96

Check Sept 7

279.20 279.20 279.20 279.20 279.20 279.20 279.20
275.50 274.75 274.00 273.25 272.50 271.75 271.00
3.70 4.45 5.20 5.95 6.70 7.45 8.20
+0.5 +0.0

279.32 / 4.12 / 283.44 / 278.00 / 5.44

283.44 / 278.17 / 5.27

283.44 / 278.33 / 5.11

Aug. 3d 1897.

Order # 867

Jas McNair Lots A.B.C. Blk. 355.

282.09 B.M. / 1.36 / 283.45 H.I. / 280.00 / 3.45

283.45 / 279.83 / 3.62

283.45 / 279.67 / 3.78

283.45 / 279.50 / 3.95

J. F. Ord

Aug 7-97

Grade L J K L. Blks 354 Horton

Order No 872.

282.09 B.M. / 2.09 / 284.18 H.I. / 279.00 / 5.18

284.18 / 278.83 / 5.35

284.18 / 278.67 / 5.51

284.18 / 278.50 / 5.68

284.18 / 278.33 / 5.85

5th

280.00

281.00

Spruce

280.00
279.83
279.66
357 279.50
279.33
279.16
279.0

281.80
280.83
280.66
280.5 356
280.33
280.16
280.00

Redwood

279.00
278.83
278.67
354 278.50
278.33
278.17
278.00

280.00 a
279.83
B
279.67
C
279.50 355
279.33
279.17
279.00

Quince

278.00

279.00

282.97 BM
271

285.68 285.68 285.68 285.68 285.68 285.68 285.68
281 281.17 281.83 281.50 281.17 281.83 282.00
4.68 4.51 4.85 4.18 4.01 3.85 3.68

Oak Chuck Blk (386)

282.00
4.87

286.87 286.87 286.87 286.87 286.87 286.87 286.87
282.06 282.50 280.00 283.50 284.00 284.50 285.00
4.81 4.37 3.87 3.37 2.87 2.37 1.87

282.97 BM
2.85

286.82 286.82 286.52
280.1 280.26 280.60
5.82 5.67 5.72

282.97 BM
3.00

285.97 285.97
280.60 280.75
5.47 5.22

Order No 908 Aug 28-97.

J. K. L. Blk 385

282.97 BM
3.93

286.90 286.90 286.90 286.90
280.75 281.00 281.25 281.60
6.15 5.90 5.65 5.40

5m

285.00

Upas

285.00
284.50
284.00
385 283.50
283.00
282.50
282.00

Thorn

281.50
L 281.25
K
281.00
J
385 280.75
I
280.50
H
280.25
G
280.00

Spruce

280.00

286.00

286.00
285.40
284.82
284.45 387
283.67
283.08
282.5

282.00
281.83
281.67
281.50 386
281.33
281.17
281.00

281.00

5.4.8
5.32
.16

284.80
284.65
2).15
.075

284.80
.075
284.875

25
27
52
80.13
132.13

290.19
284.87
5.32

290.19
284.73
5.46

285.02
4.79
289.81
284.50
5.31

289.81
284.65
5.16

289.81
284.72
5.09

282.97 B.M
3.6
286.57
1.57

284.80
.07
284.73

290.19
285.67
4.52

290.19
284.63
5.56

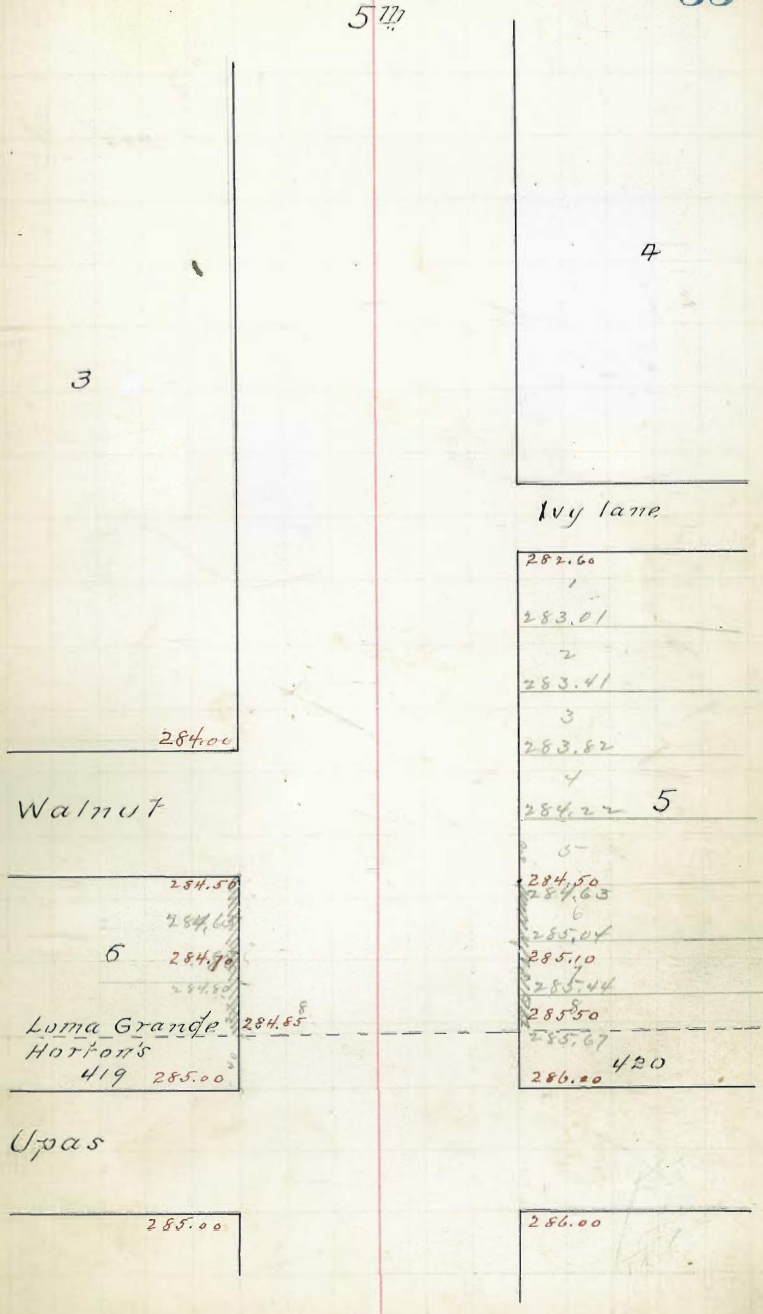
285.00
5.19

290.19
5.5
284.69

290.19
285.44
4.75

290.19
285.04
5.15

290.19 H.1
284.88
5.31



BM NE 5th & Beech

100.82
7.38
108.20
98.50
9.70

NE cor 6th
122.36
2.66
125.02
118.50
6.52

108.20
102.87
5.33

125.02
117.25
7.77
125.02
0.78
124.24 TP
12.00
136.24

108.20
107.25
0.95

136.24
126.62
9.62
136.24
134.75
1.49

107.25
9.80
117.05
114.62
5.43

134.75 TP
11.65
146.40
142.87
3.53

117.05
116.00
1.05

146.40
0.73
145.67
11.78
157.45
156.00
6.45

BM
157.16
1.04
158.20
152.50
5.70

100.82
1.40
102.31
98.25
4.06

100.82
4.3
96.52

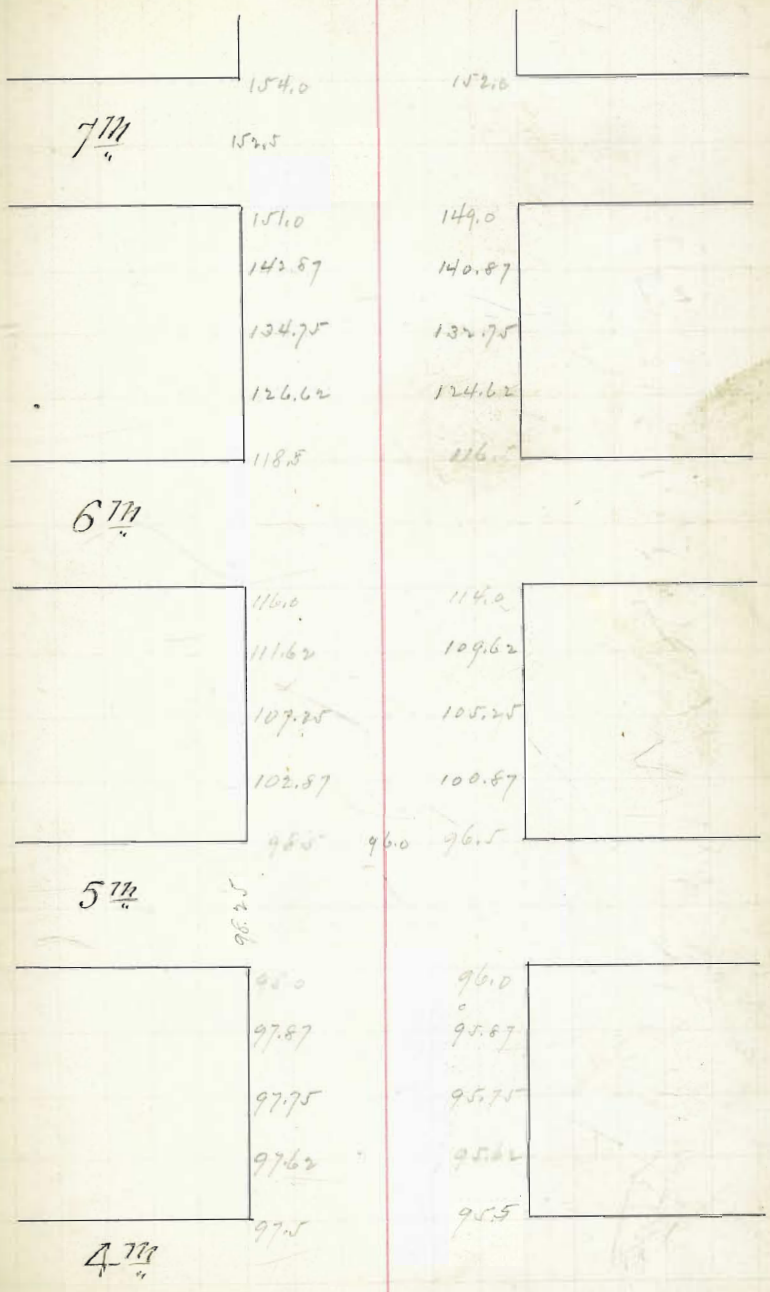
122.36
0.88
123.24
118.50
4.74
.67
5.41

123.24
117.25
5.99
5.78

123.24
116.00
7.24
.67
7.91

100.82
0.99
101.81
96.25
5.56

101.82
97.83
4.08

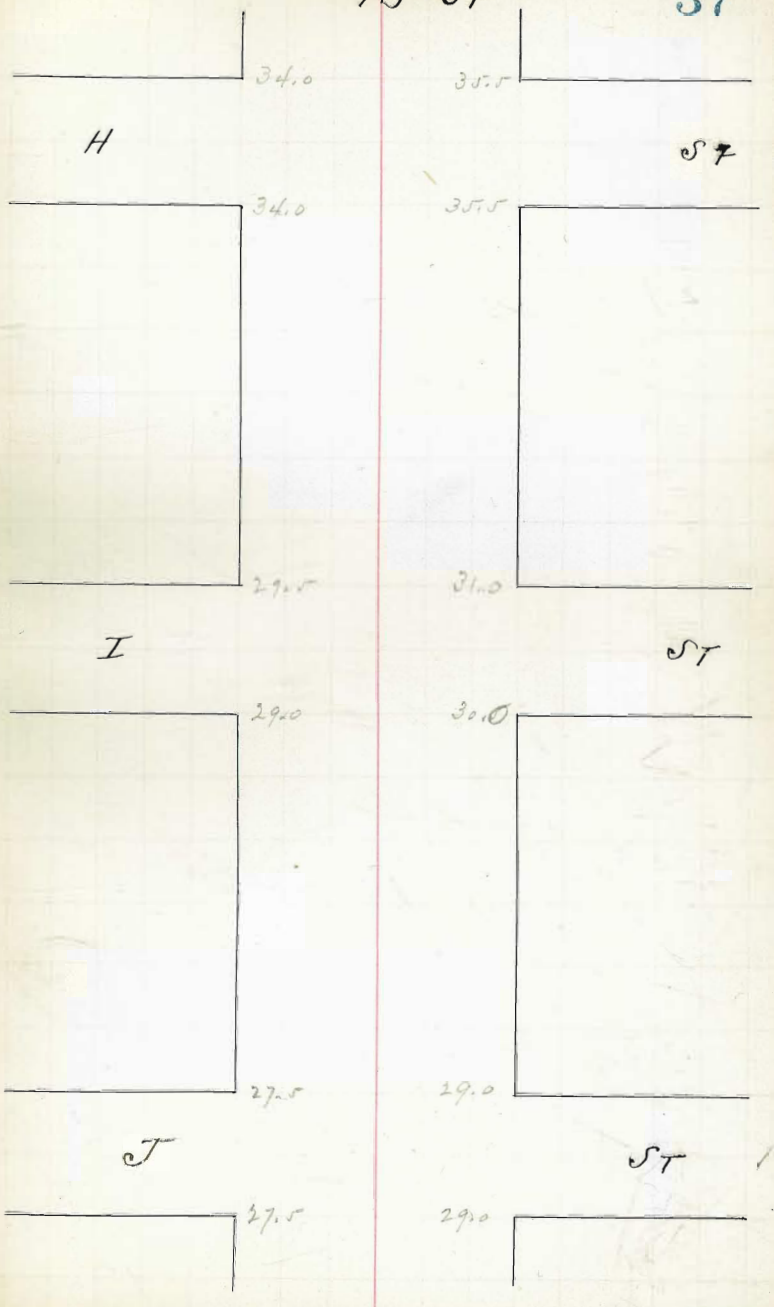


Dec. 7-1895

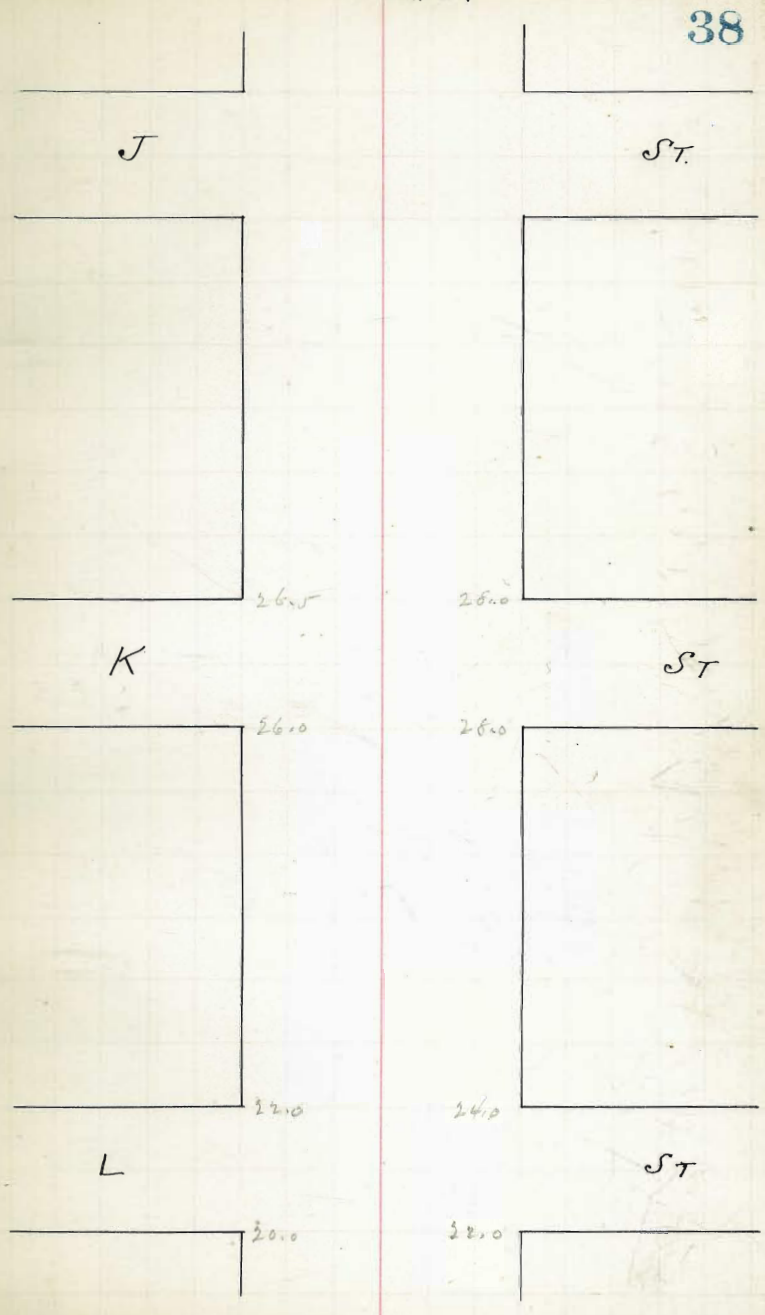
+	H I	F S	Elev	Grd B.M. SE. cor H-14	Remarks	Cut	a.m. Fill
37.61	1.18	48.37		47.19			
0.64							
3825							
		0.83	47.54	47.56		0	0
		1.40	46.97	47.00	West line 14th		
		2.37	46.00	46.00	Centre 14th		
		3.43	44.94	45.00	East line 14th		
		5.26	43.11	43.09			
		7.13	41.24	41.18			
		9.10	39.27	39.28			
	1.44	38.81	11.00	37.37	37.37	Div. Line B	
			3.28	35 53	3546		
			5.25	33.56	33.56		
			7.15	31.66	31.65		
	8.20	3868	8.33	30.48	29.75	West line 15th	.73	
			7.98	30.70	30.70		0	0 Stake set 25 W of 15th
			8.33	30 35	29.75	Centre 15th	.6	
			8.18	30.50	29.75	East line 15th	.75	
			7.58	31.10	30.81		.3	
			6.75	31.93	31.87			
			5.88	32.80	32.93			
			1.05	37.63	BM. SE. cor 16 & H			

4.84	33.68		28.84	SW cor JT 15
		6.18	27.50	
		6.18	27.50	
		4.68	29.00	
		4.68	29.00	
		2.68	31.0	
		3.68	30.0	
		4.18	29.5	
		4.68	29.0	

15th St

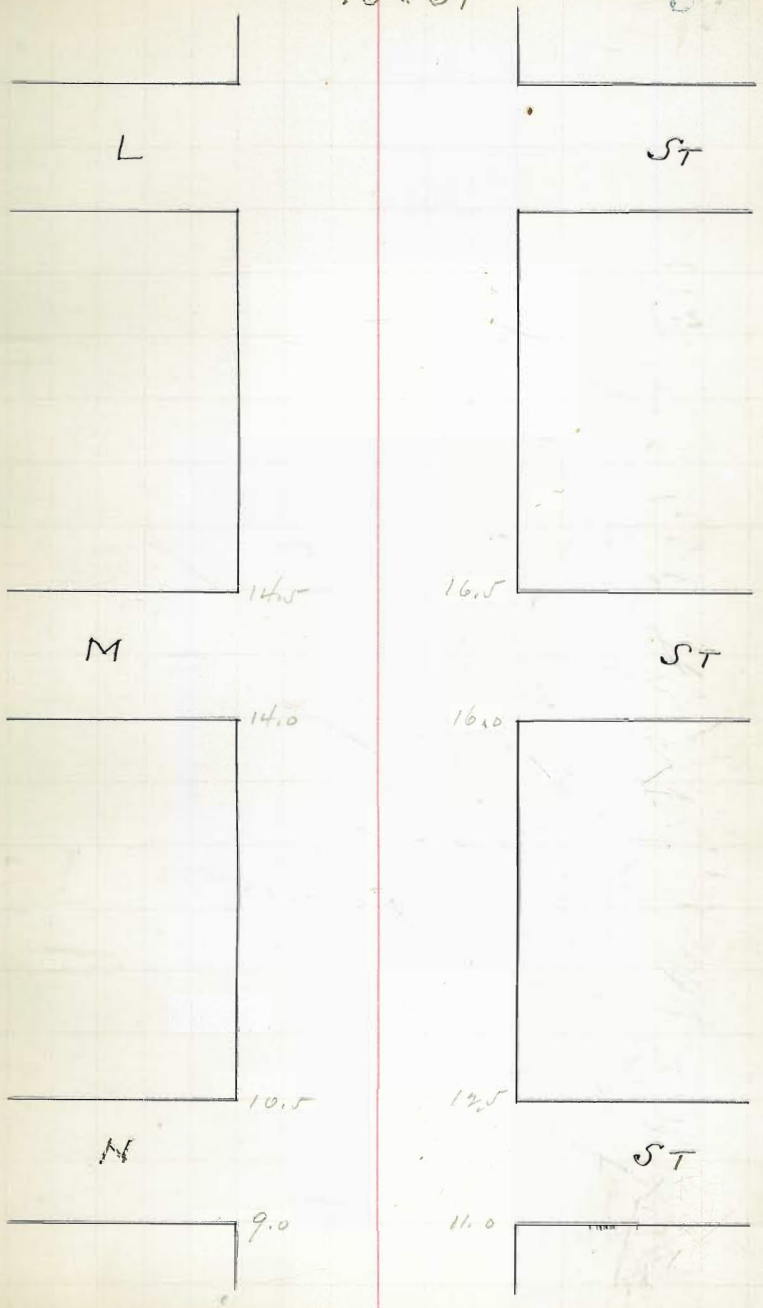


	0.40	30.50	30.10
		2.50	28.00
		2.50	28.00
		4.00	26.50
		4.50	26.00
		6.50	24.0
		8.50	24.0
		8.50	24.0
		10.50	20.00



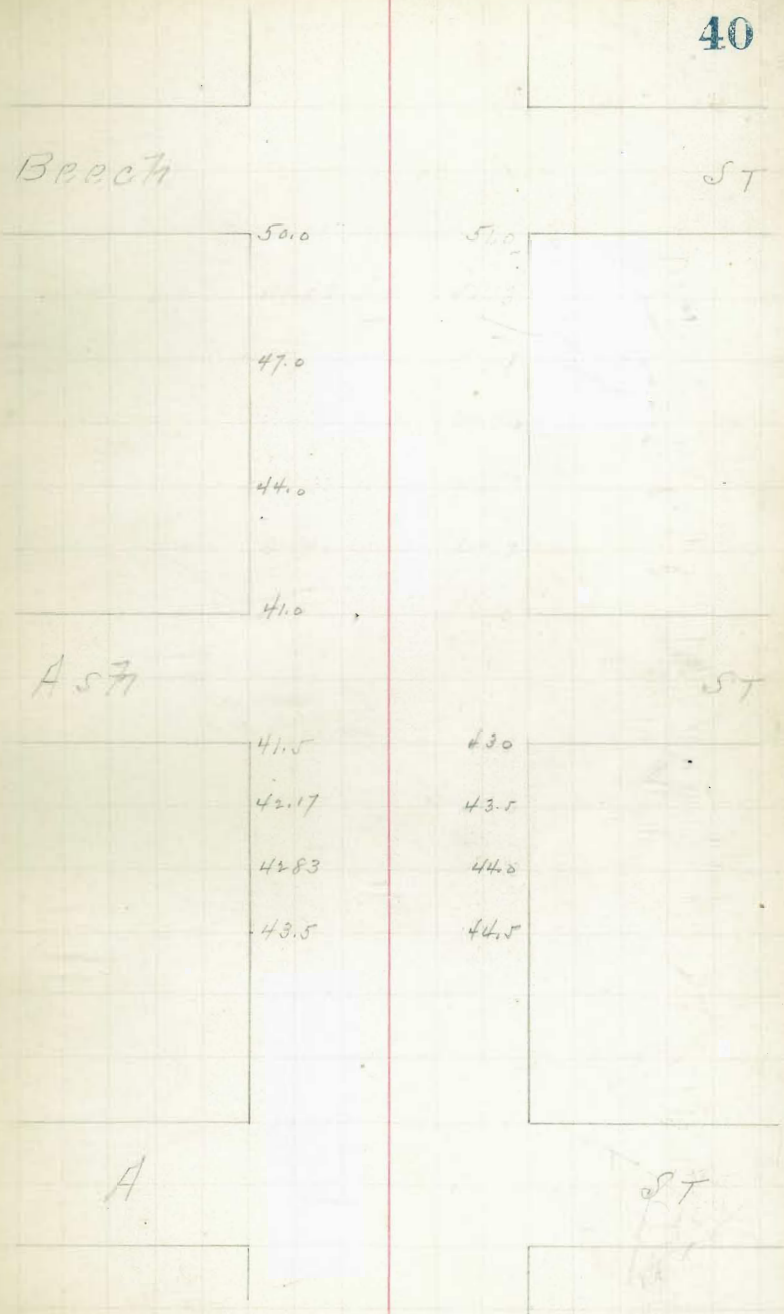
16th ST

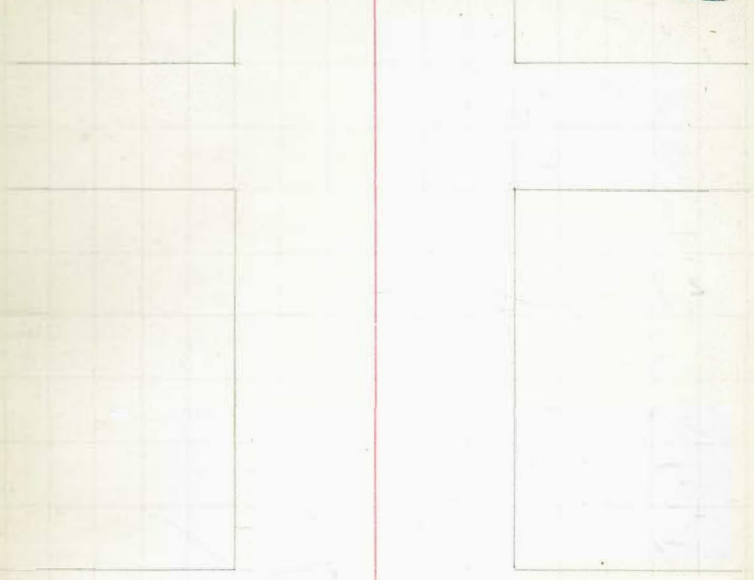
1.55	19.69		18.14
		3.19	16.50
		3.69	~~14~~ 00
		5.69	14.00
		5.19	14.50
3.96	16.91		12.95
		6.41	10.50
		4.41	12.50
		7.91	9.00
		5.91	11.00



40.90 47.10 47.10 47.10 47.10 47.10 47.10
6 2 0 44.20 43.5 43.0 43.10 42.83 41.50
47.10 3.10 3.60 4.10 3.60 4.27 5.60
44.5 47.10
2 6 0 44.30
47.10 2.77
42.92
4.18

	West		East	
	Rod	Elev (47.10)	Rod	Elev
Nine of 457	6.25	40.9	4.25	42.85
+ 50	5.15	42.0	3.25	43.9
1	3.90	43.2	1.90	45.2
+ 50	2.50	44.6	0.60 (55.56)	46.5
2	1.20 (55.56)	45.9	7.3	48.2
+ 50	8.36	47.2	5.9	49.7
Sum 3	6.36	49.2	4.5	51.1
Sum 0	6.00	49.6	4.5	51.1
+ 50	5.00	50.6	4.1	51.5
1	3.4 (65.15)	51.4	3.4 (65.15)	52.2
+ 50	11.35	53.8	12.2	53.0
2	8.15	57.0	9.4	55.7
+ 50	5.15	60.0	4.9	60.3
3	7.25	62.90	1.7	64.0



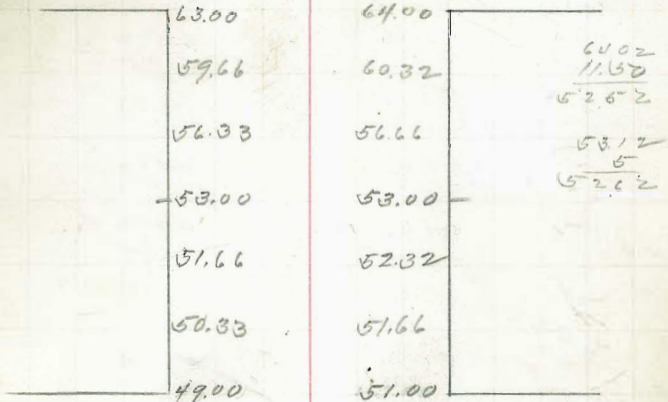

Cedar
S7.
63.0
60.25
57.5
55.25
53.0
51.5
50.0
Beech
50.0
63.0
60.25
57.5
55.25
53.0
52.0
51.0
S7
51.0

41.60
1162
53.12

Stat	West Rod	El (53.12)	East Rod	El
Witness ash	41.00		43.00	
0+0	12.10		10.10	
	42.00		44.10	
50	11.10		9.00	
	43.20		45.30	
1+00	9.90		7.80	
	44.90		46.70	
50	8.20		6.40	
	46.46		48.80	
2+00	6.70		4.30	
	48.06		49.80	
50	5.10		3.30	
	49.10		51.20	
3+00	4.00		1.90	
Beech				
	49.30		51.70	
0+0	3.80		1.40	
	50.60		51.90	
50	2.50		1.20	
	52.00		52.60	
1+00	1.10	(64.02)	0.50	
	54.20		52.80	
50	9.80		11.20	
	57.20		55.70	
2+00	6.80		8.30	
	60.10		60.90	
50	3.90		3.10	
	62.90		64.00	
3+00	1.10		grade	

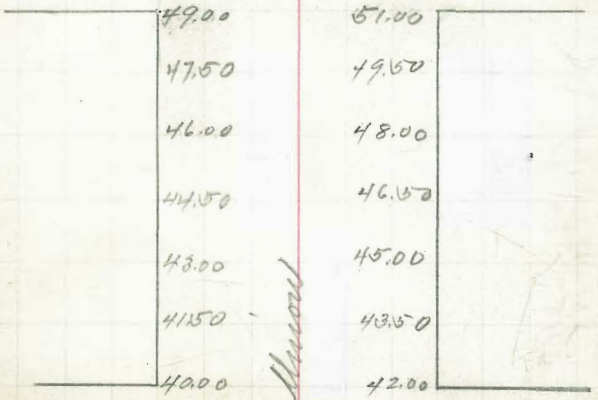
53.12
2
52.92
11.10
64.02

Cedar



64.02
11.50
52.52
53.12
5
52.62

Beech



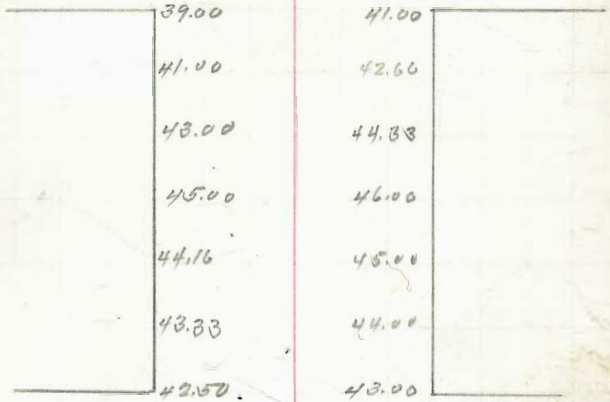
ash

39.13
7.67
46.80 Station a B.M

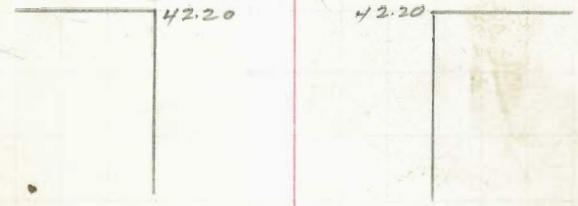
Stat	Rod	El (46.80)	Rod	El
Main a"	4230		43.30	
0+0	4.50		3.60	
	43.00		43.80	
+50	3.80		3.00	
	43.60		44.20	
1+00	3.20		2.60	
	44.60		44.60	
50	2.80		2.20	
	42.90		45.40	
2+00	3.90		1.40	
	41.30		43.90	
50	5.50		2.90	
	40.50		42.70	
3+00	6.30		4.10	

46.80
.30
47.50

Ash

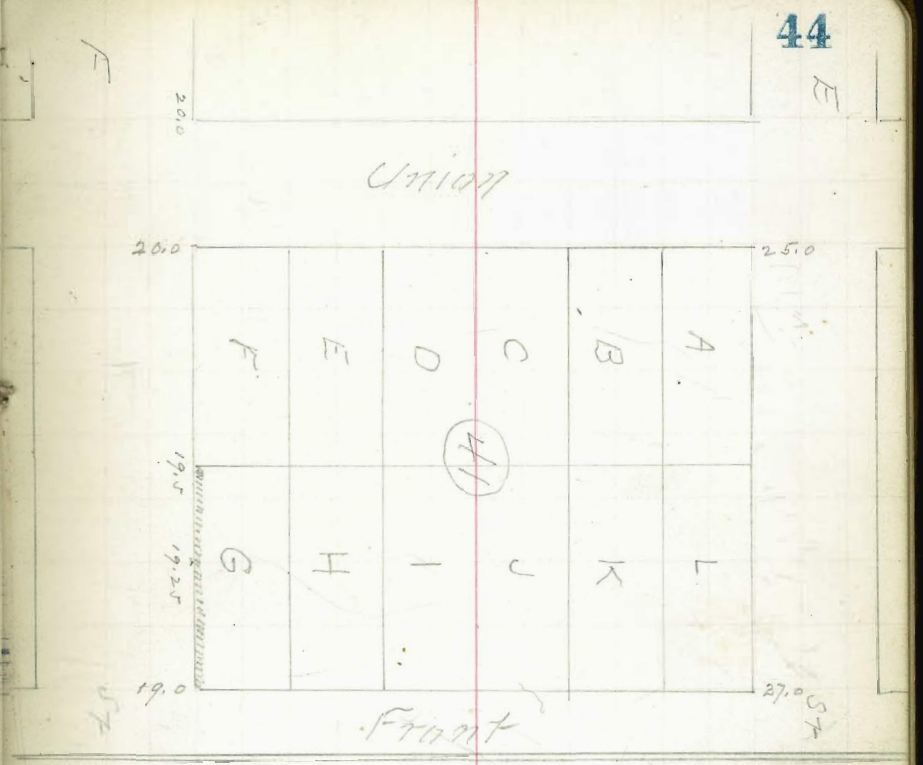


A.

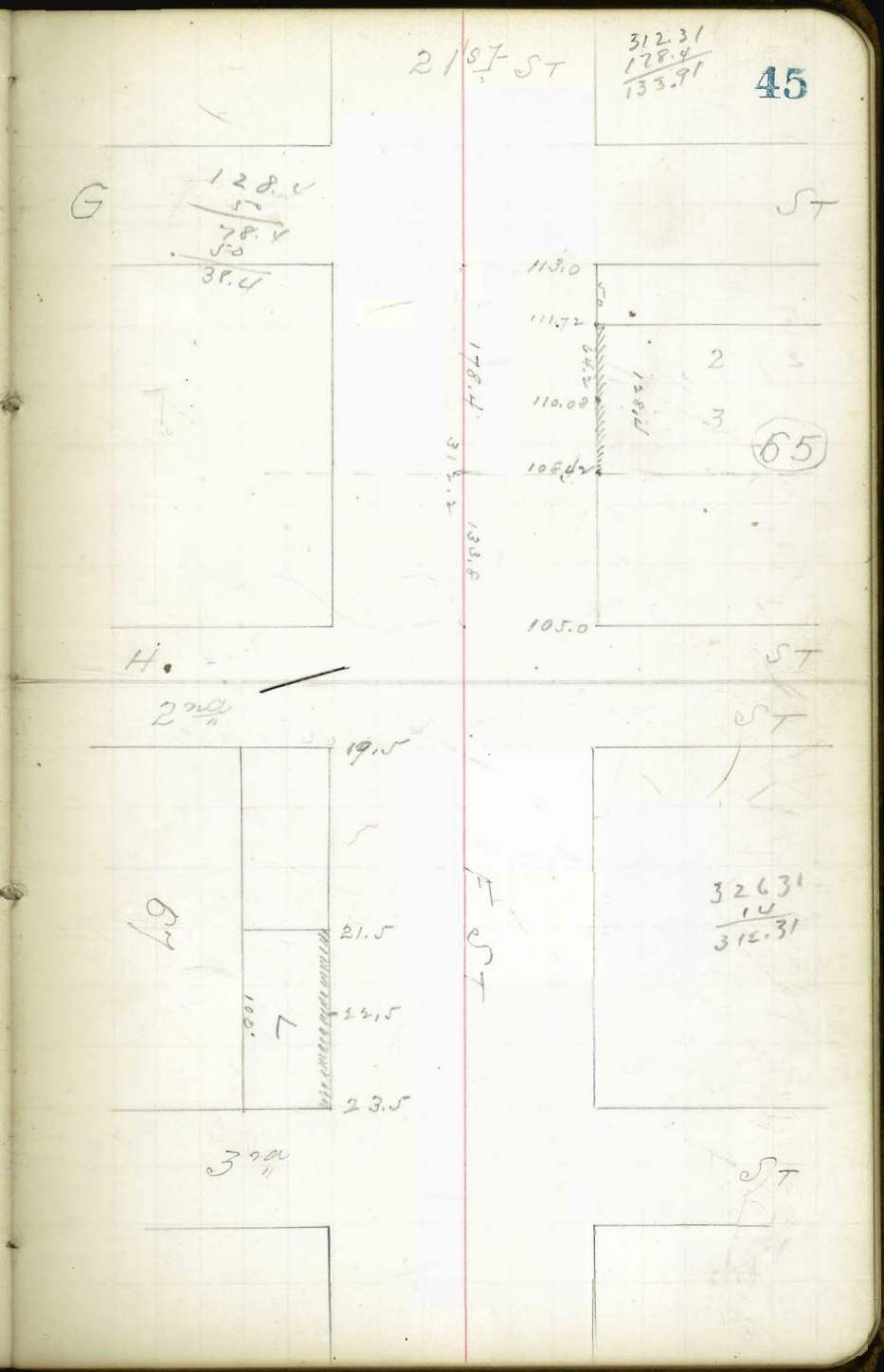


Alburnum

					S.E. cor Gt Front
	6.03	25.11		19.08	
			5.61	19.50	
			5.86	19.25	
			6.11	19.00	
					B.M. SW
			4.39	20.72	F^ma Front
					B.M. SW
			4.34	20.77	F + Union
	6.93	29.40	2.66	22.47	
					B.M. cor
Check			1.85	27.55	E + Front



					SW cor G and 21st
Order #562	0.14	113.99		113.85	
			2.27	111.72	
			3.91	110.08	
			5.57	108.42	
					SW cor 37 F
	3.21	28.76		25.55	
			5.26	23.50	
			6.26	22.50	
			7.26	21.50	



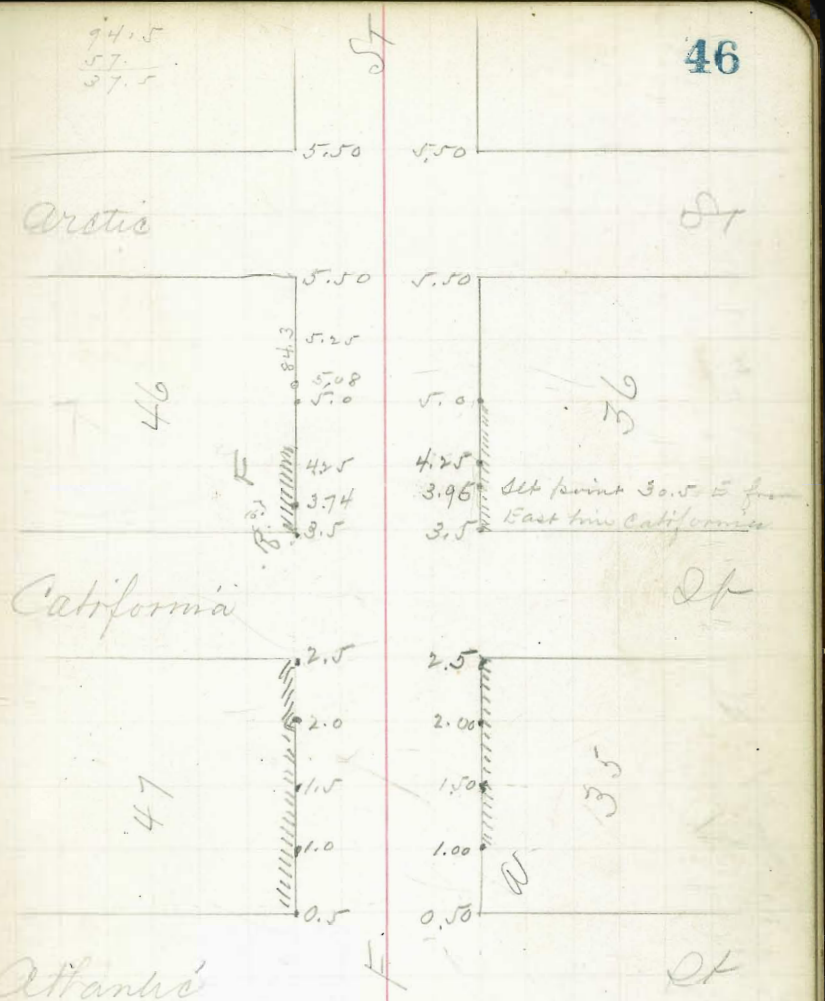
Lot A #36

	2.06	9.61		7.55
			7.11	2.50
			6.35	3.26
	1.92	9.47		7.55
			5.51	3.96
			5.97	3.50
	2.64	10.19		7.55
			4.69	5.50
			4.94	5.25
			5.11	5.08

7.55 8.55 8.55
1.00 3.50 25
8.55 5.05 6.05
3.74
4.81

Order No 934 — Sept 25-97
Grades to W/2 Lot a —

7.55 B.M.
1.08
8.63 8.63
0.50 1.00
8.13 7.63



Lot G #45	3.87	12.02		8.15	SE cor Indian + F St
			4.52	7.50	
			5.02	7.00	

7.55	11.03	11.03
3.48	6.25	5.87
11.03	4.78	5.16
5.50		
5.53		

Kelley Contract on F St Feb 10 98

7.55 BM
5.66

13.21	13.21	13.21	13.21
8.00	9.12	10.25	11.37
5.21	4.09	2.96	1.84

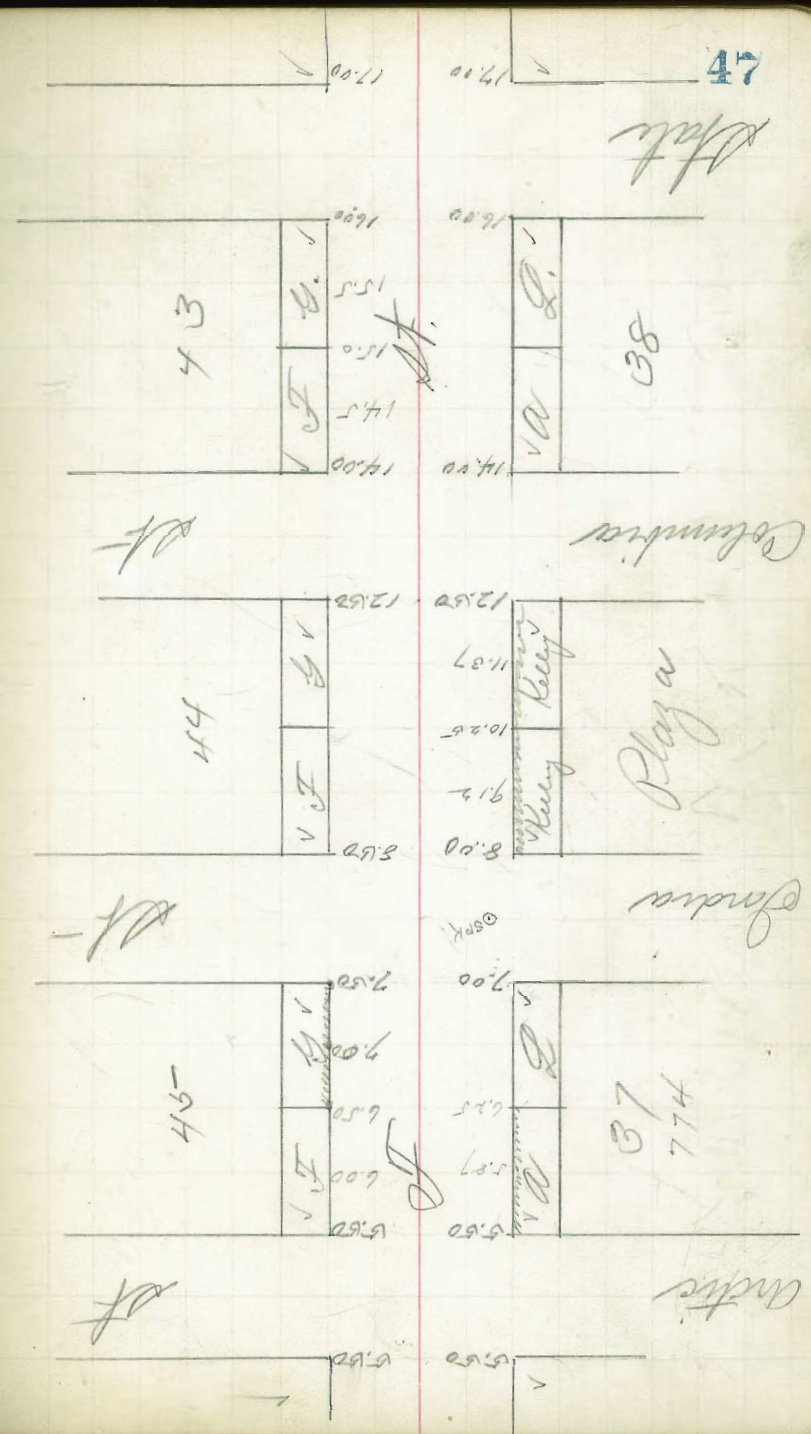
10.25 on center grade stake
5.65

15.90	15.90
11.37	12.50
4.53	3.40

Check

15.30	15.30	15.30	15.30	15.30
9.12	10.25	11.37	12.50	Feb 9 1898
6.18	5.15	3.93	2.80	

5.50
7.50
12.50
6.25
5.50
11.75
5.87



Lot G B 42

20.77 B.M
4.83
25.60
20
5.60

25.60 25.60 25.60
19.48 18.95
6.12 6.65

3.63 24.40 20.77

20.77 26.09 26.09 4.40 20.00
5.32 19.75 20.00
26.09 6.34 6.09
20.77 6.09
6.09

25.34 25.34 5.15 19.25
18.75 18.00
6.59 6.34

20.72 5.90 18.50
4.62
2.34
18.50
6.84

6.65 17.75

7.40 17.00

20.02 B.M
3.74
23.76
19
4.76

3.11 23.83 20.72

5.33 18.50

5.70 18.13

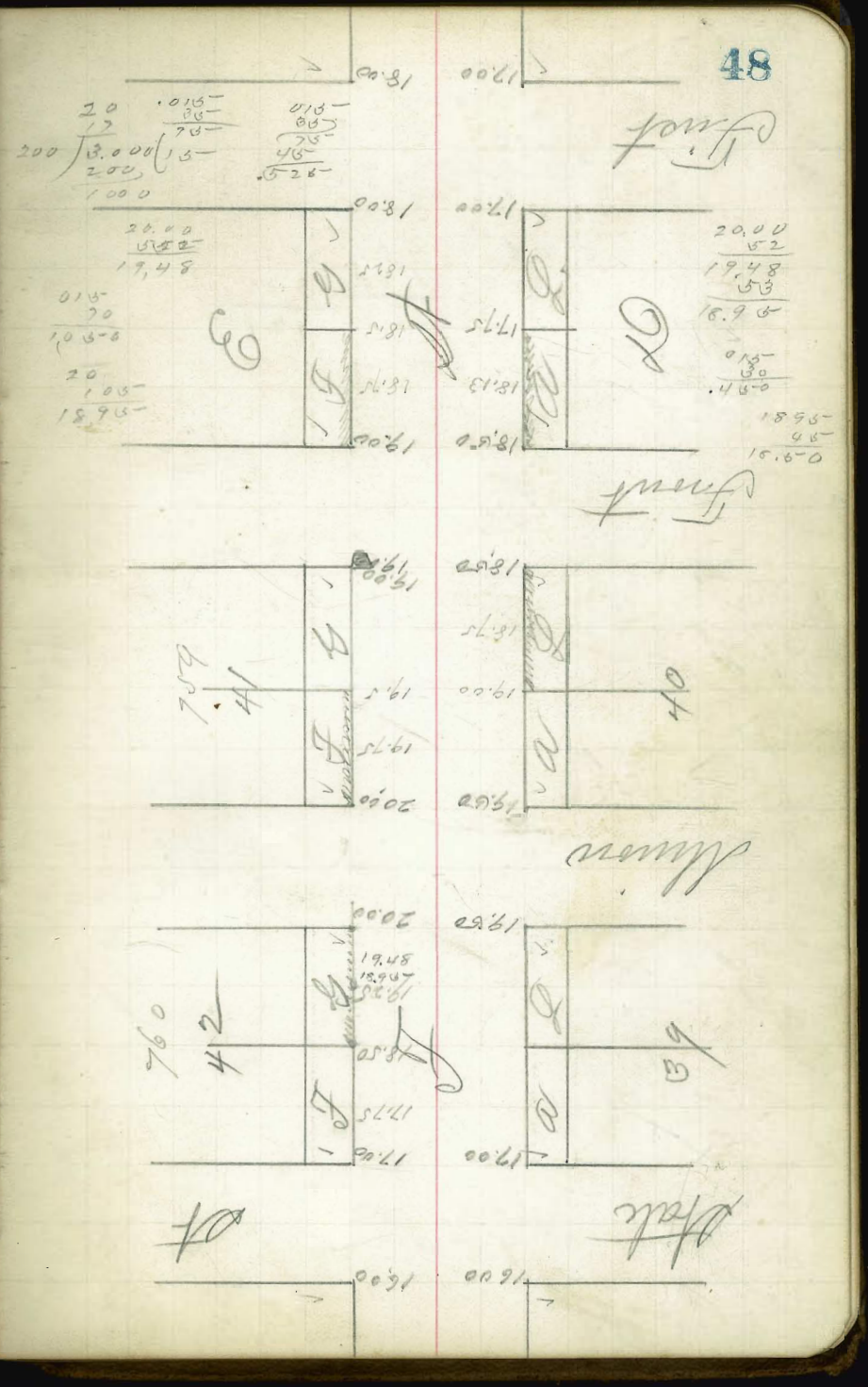
6.08 17.75

3.64 24.36 20.72

5.36 19.00

5.61 18.75

5.86 18.50



20) 4.50
400
500
400
1000

(02 ~~2~~ 5

0225
52
1150

2.46
25.55 BM

28.01	28.01	28.01	28.01
22.25	23.37	24.50	
5.76	4.64	3.51	
	3.80	3.25	
	.84	.26	

28.01
19.50
8.51

28.01
18.75
9.26

9.58
9.26
.32

0225
52
450
1125
11700

25.55 BM
261

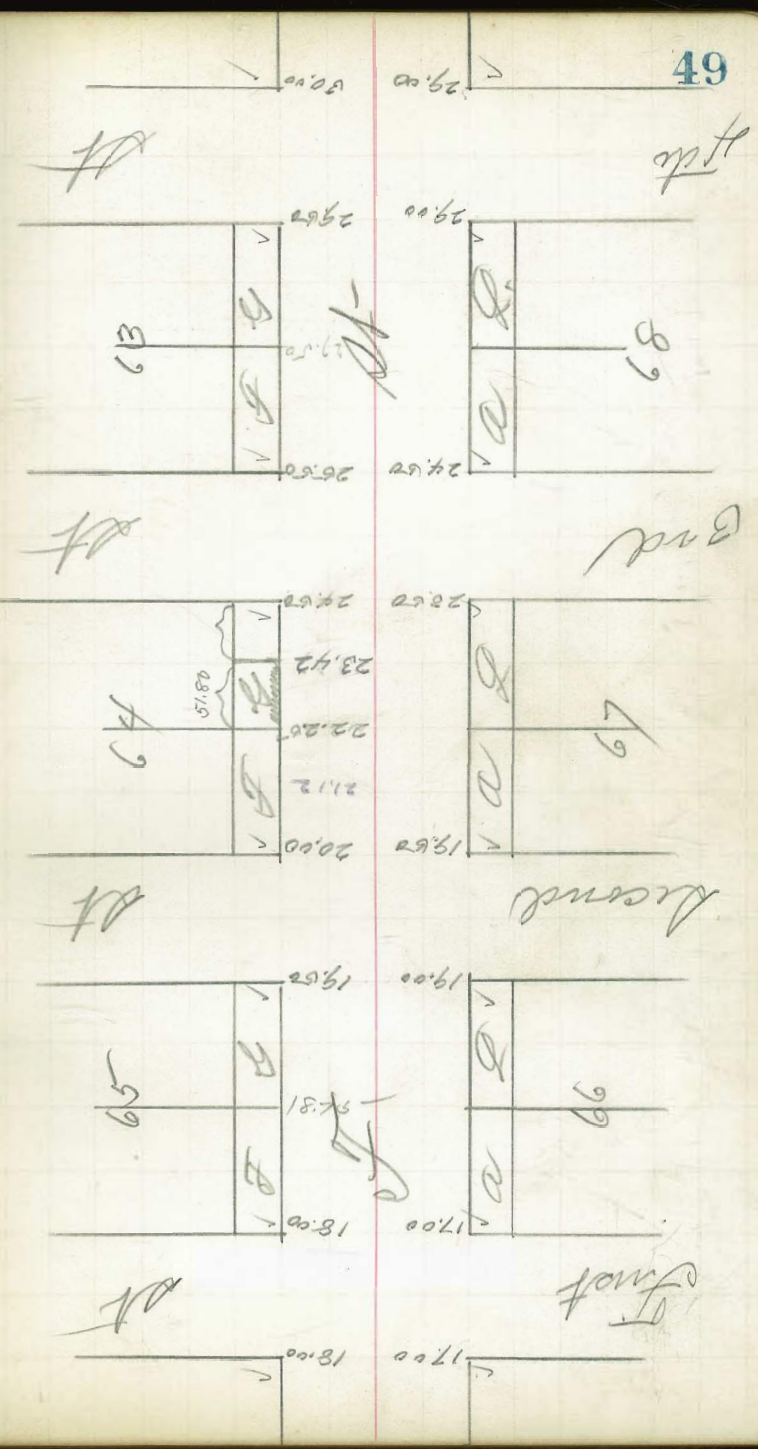
Feb 16 98

Kelly Contract

28.16	28.16
22.25	23.42
5.91	4.74

25.55 BM Check Feb 9 1898.
224

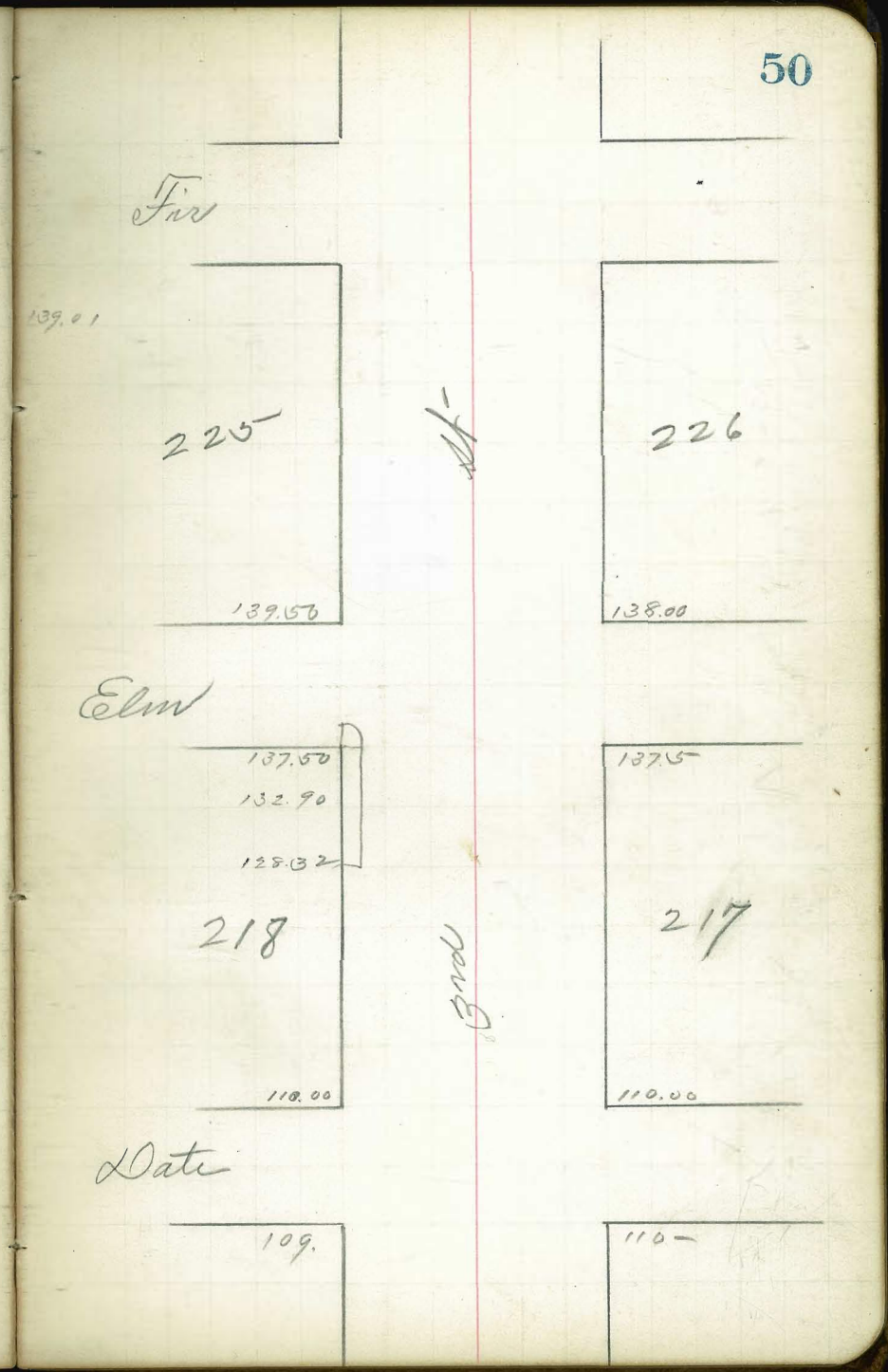
27.79	27.79
23.42	22.25
4.37	5.54

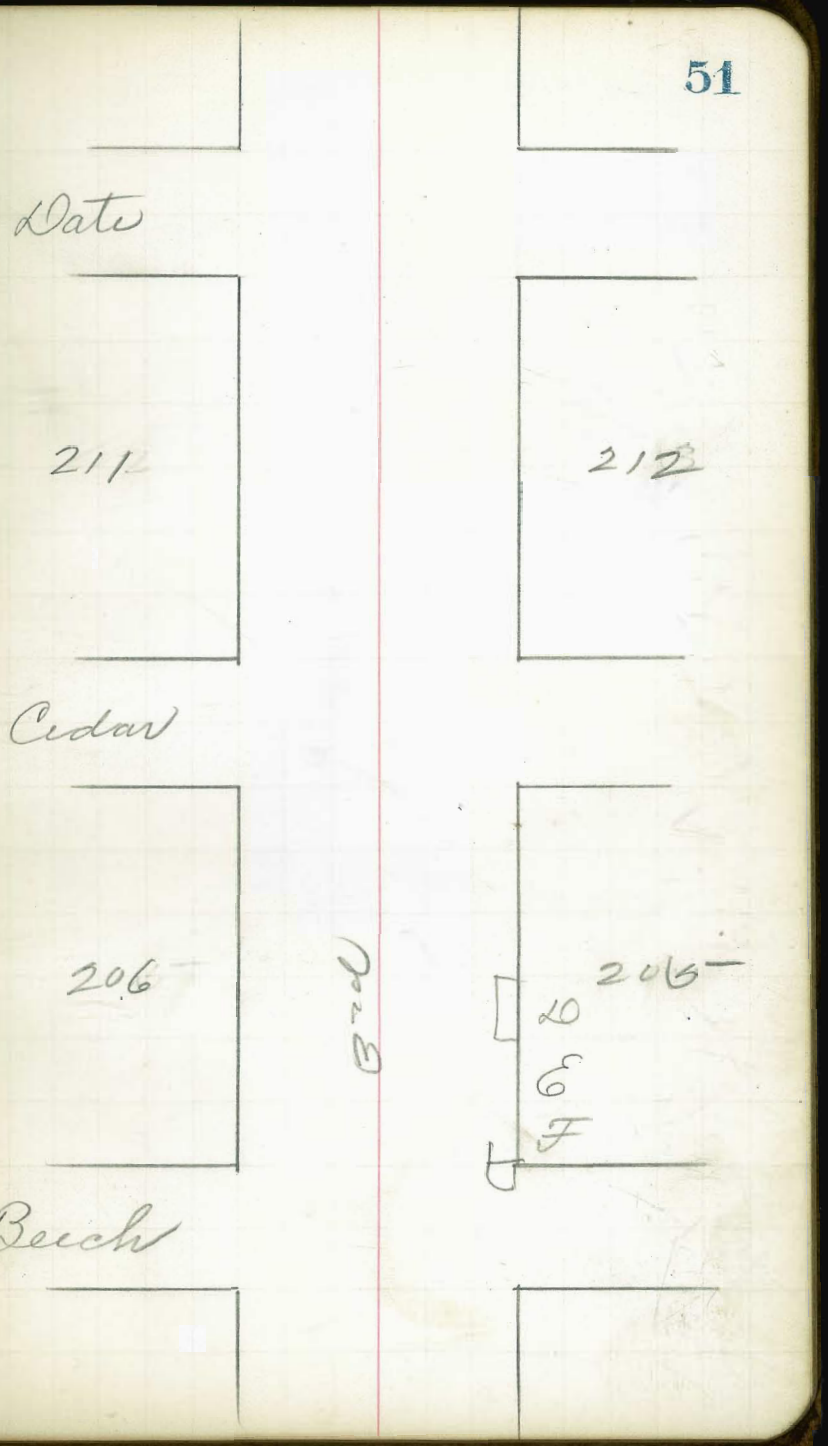


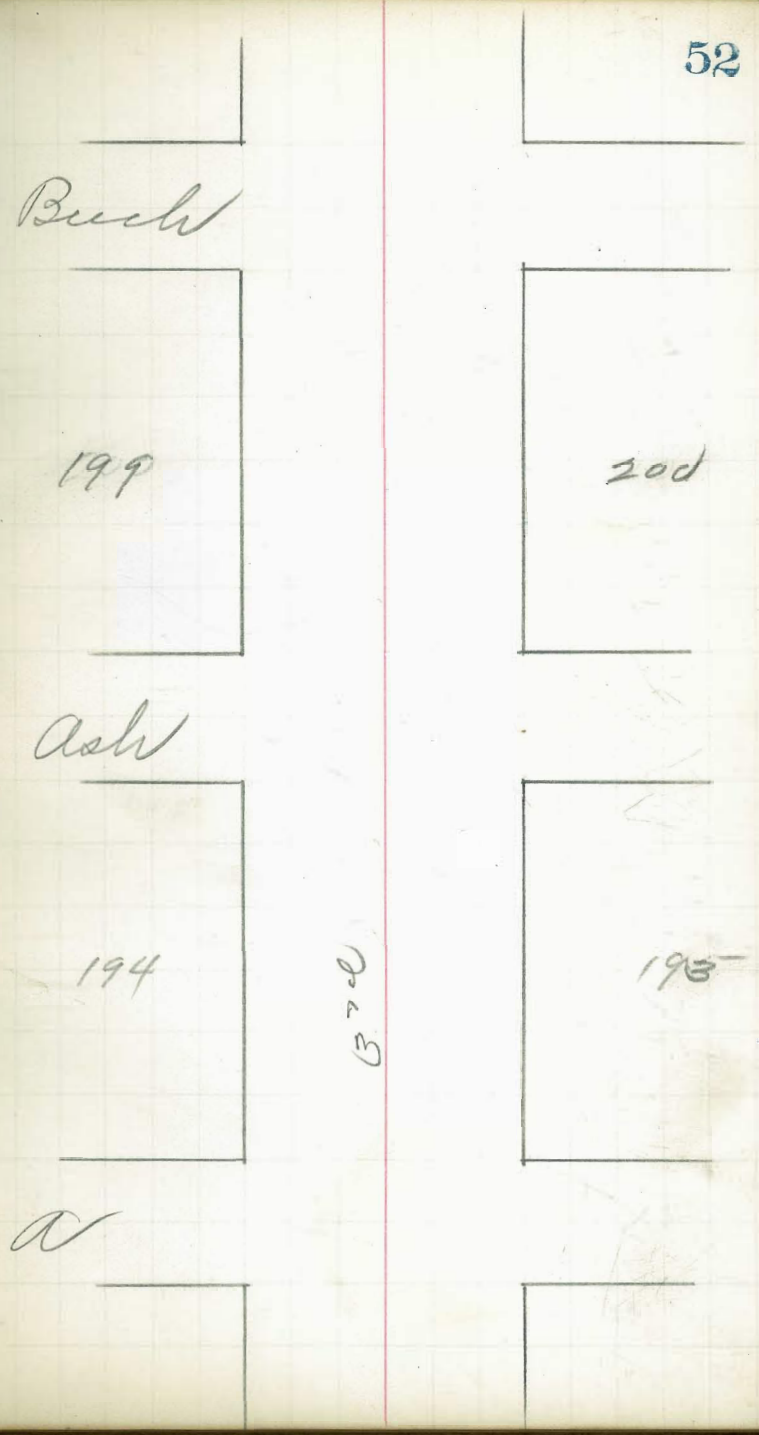
110.00
45.8
114.58
45.8
159.16
45.8
237.4
45.8
128.32
45.8
132.90
45.8
137.48

6) 27.5 (4.5-8
24
35
30
50
48

138.54 137.50
0.47
139.01 139.01 139.01
137.50 132.90 128.32
1.51 6.11 10.69




Date
211
212
Cedar
206
206
20
6
F
Beech

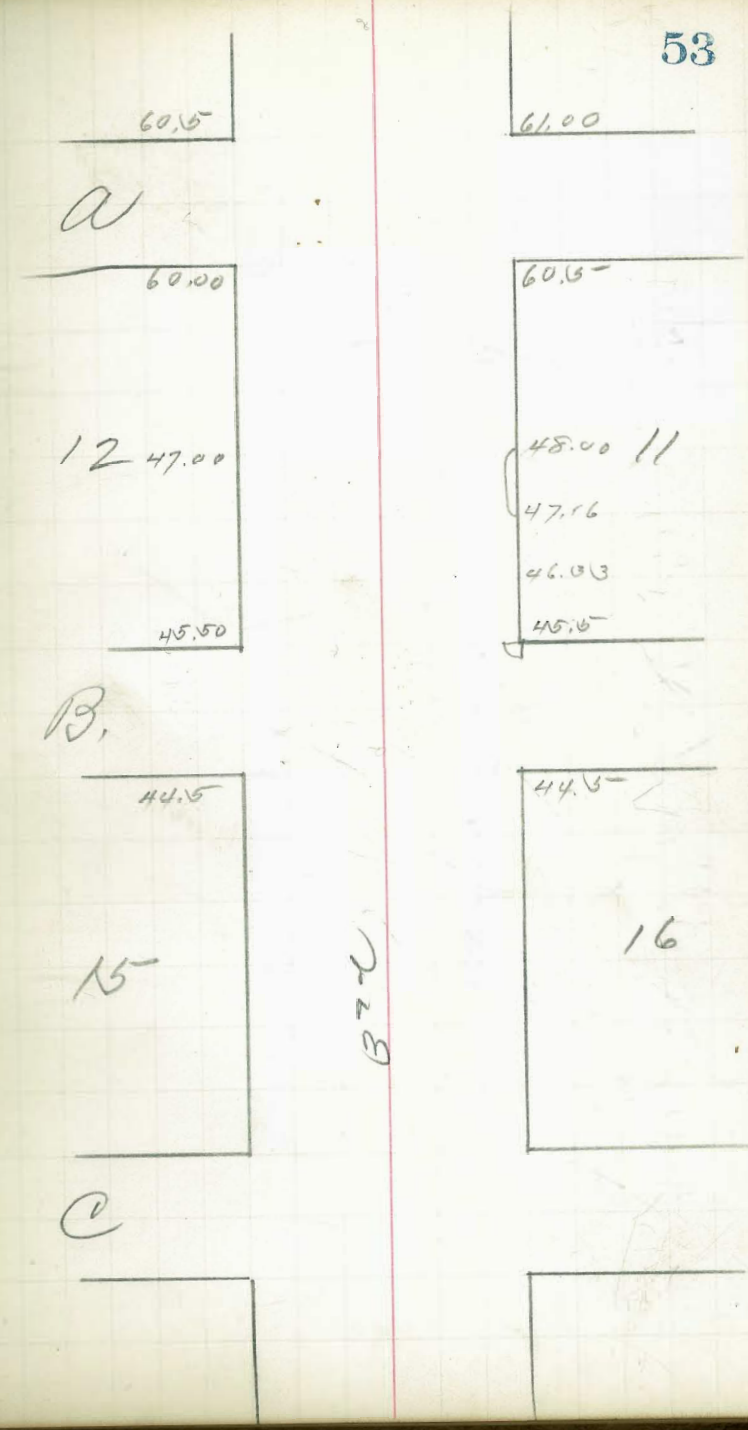

Buch
199
200
Ash
194
195
a

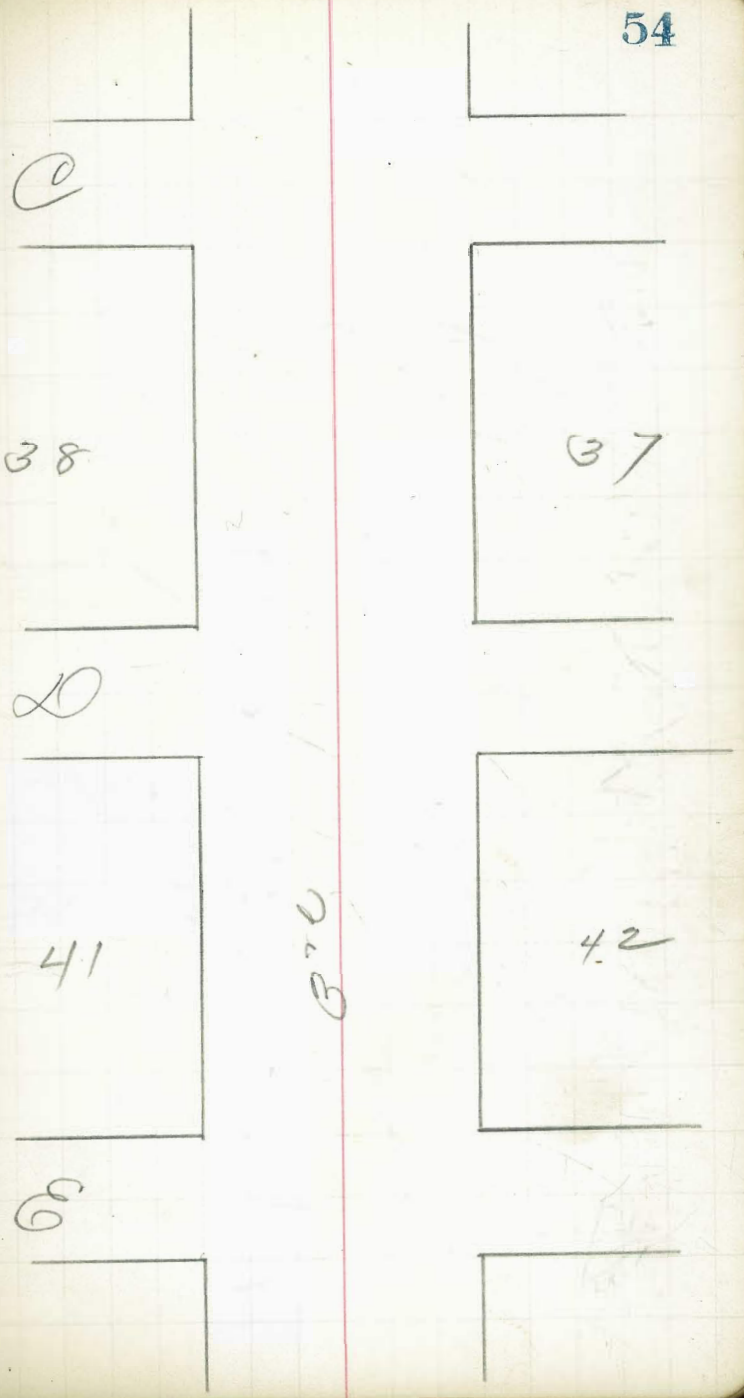
45.5
83
4633
83
4716
.84
48.00

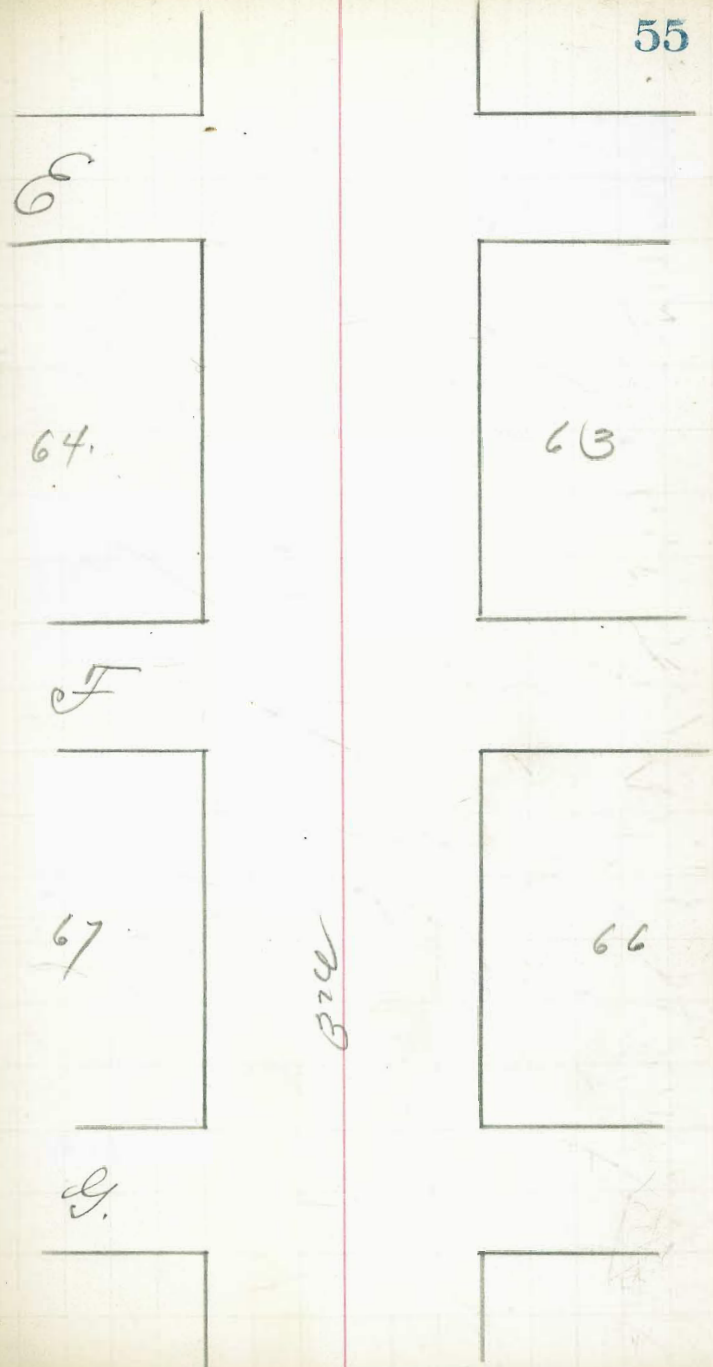
51.35 BM
1.66
53.015
45.50
7.51

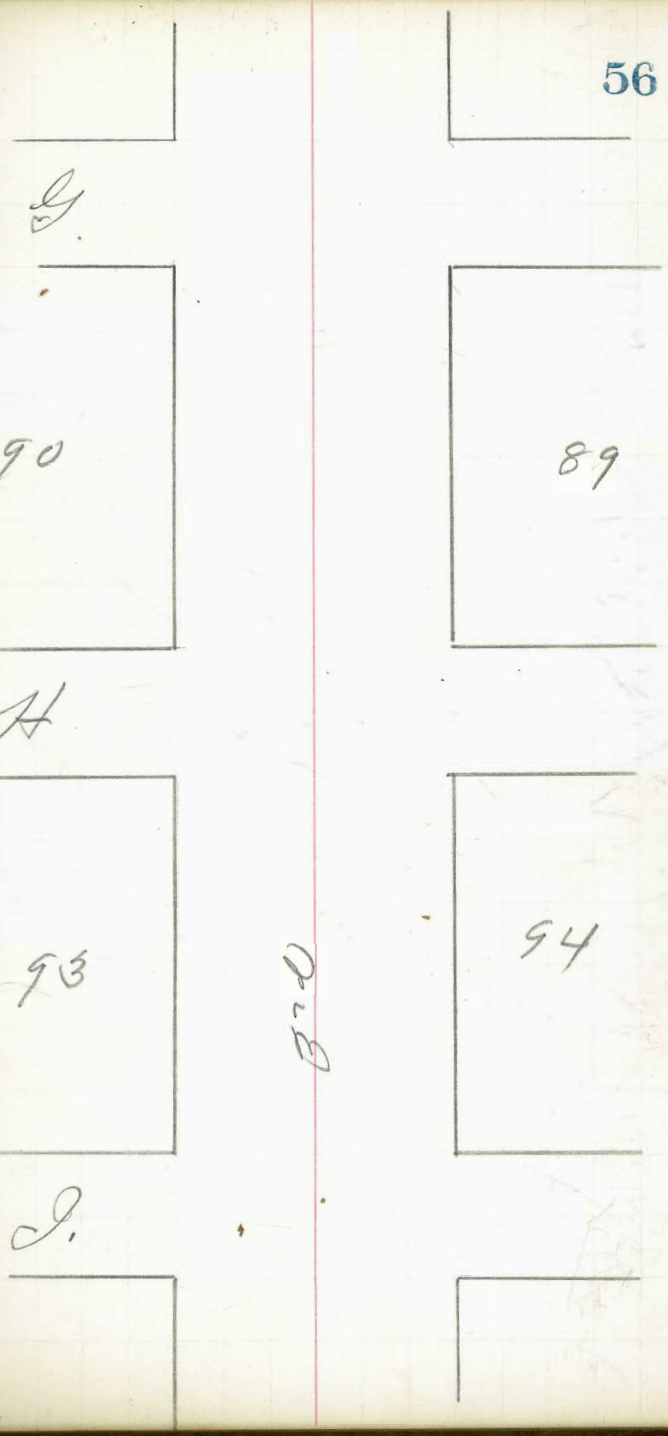
53.01
812
4489
526
5015
4800
215

50.15
4716
300



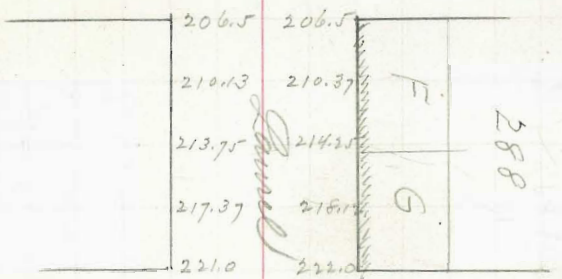

C
38
D
41
E
37
42


E
64
F
67
G
63
66

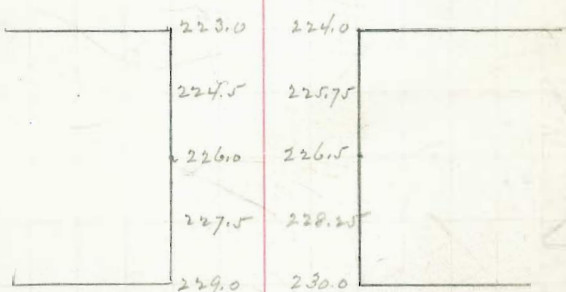

G.
90
89
H
93
94
Blvd
I.

	1.05	223.64		222.59
			1.64	222.00
			3.88	218.12
T.R	0.48	214.79	9.33	214.31
			0.54	214.25
			4.42	210.37
236.5				
2.75				
239.25	239.25	239.25	8.29	206.50
234.87	233.25	231.63	239.25	
4.38	6.00	7.62	230.00	
			9.25	
222.59	213.75	215.73		
0.18	1.98	206.50		
222.78	215.73	9.23		
213.75	210.13			
9.03	5.60			

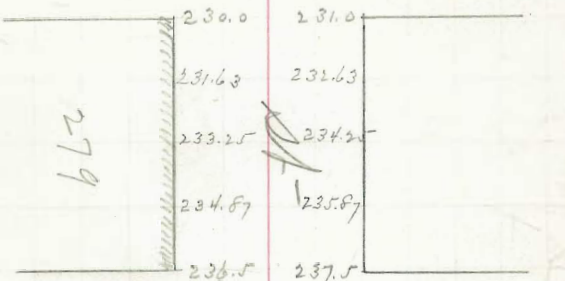
Front



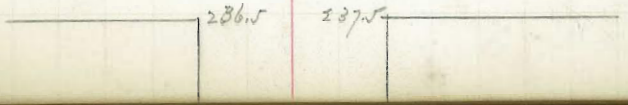
1st St



2nd St



3rd St



0.3 253.37 253.07

242.75 250.82 253.07
5.07 243.75 3.12
250.82 7.07 256.19
242.00 256.19 251
8.82 5.19

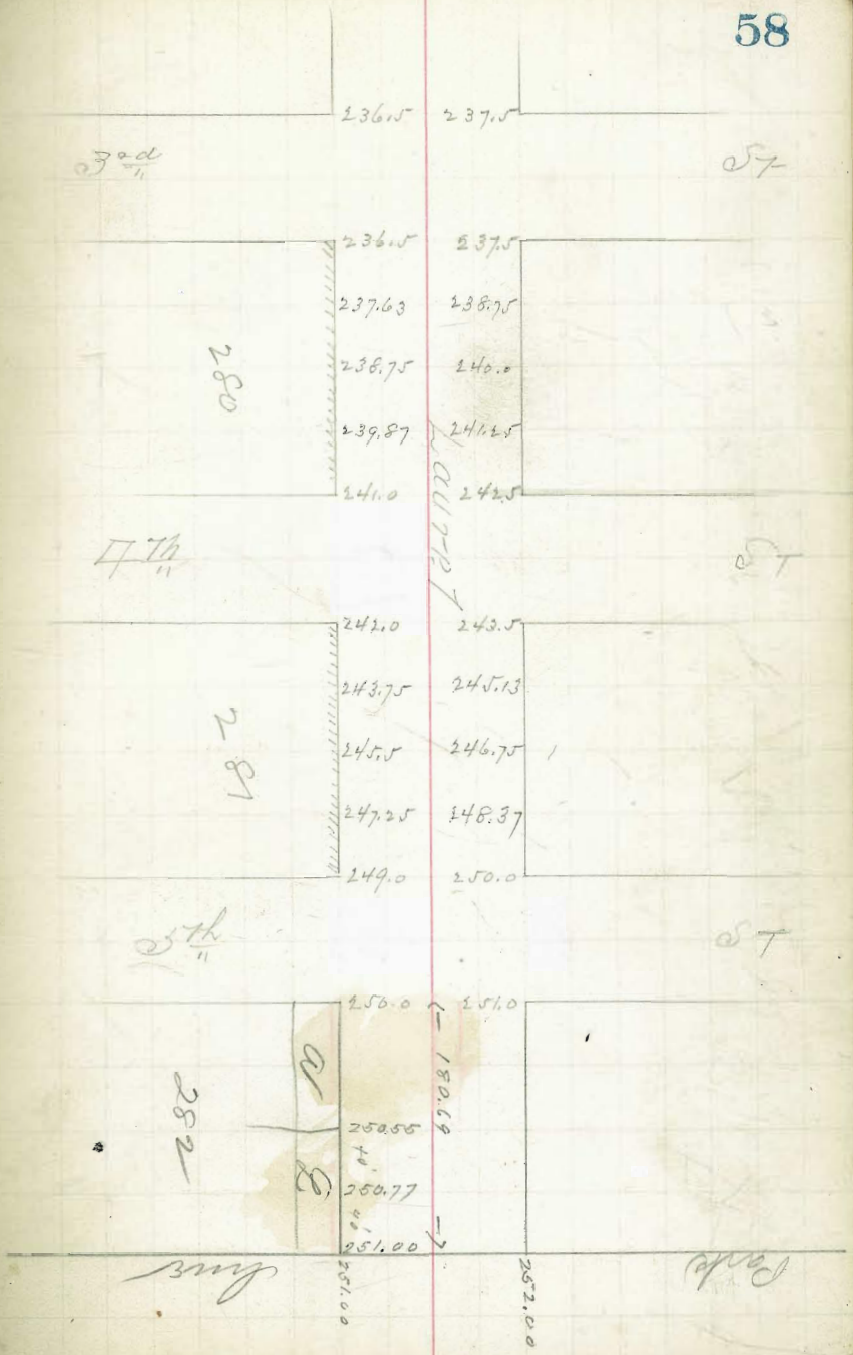
250.82 250.82 256.19 256.19
245.5 247.25 250.55 250.77
5.32 3.57 5.64 5.42

250.82 256.19 256.19
249.0 252 250
1.82 4.19 6.19

253.07
1.82
254.99
243.5
11.49

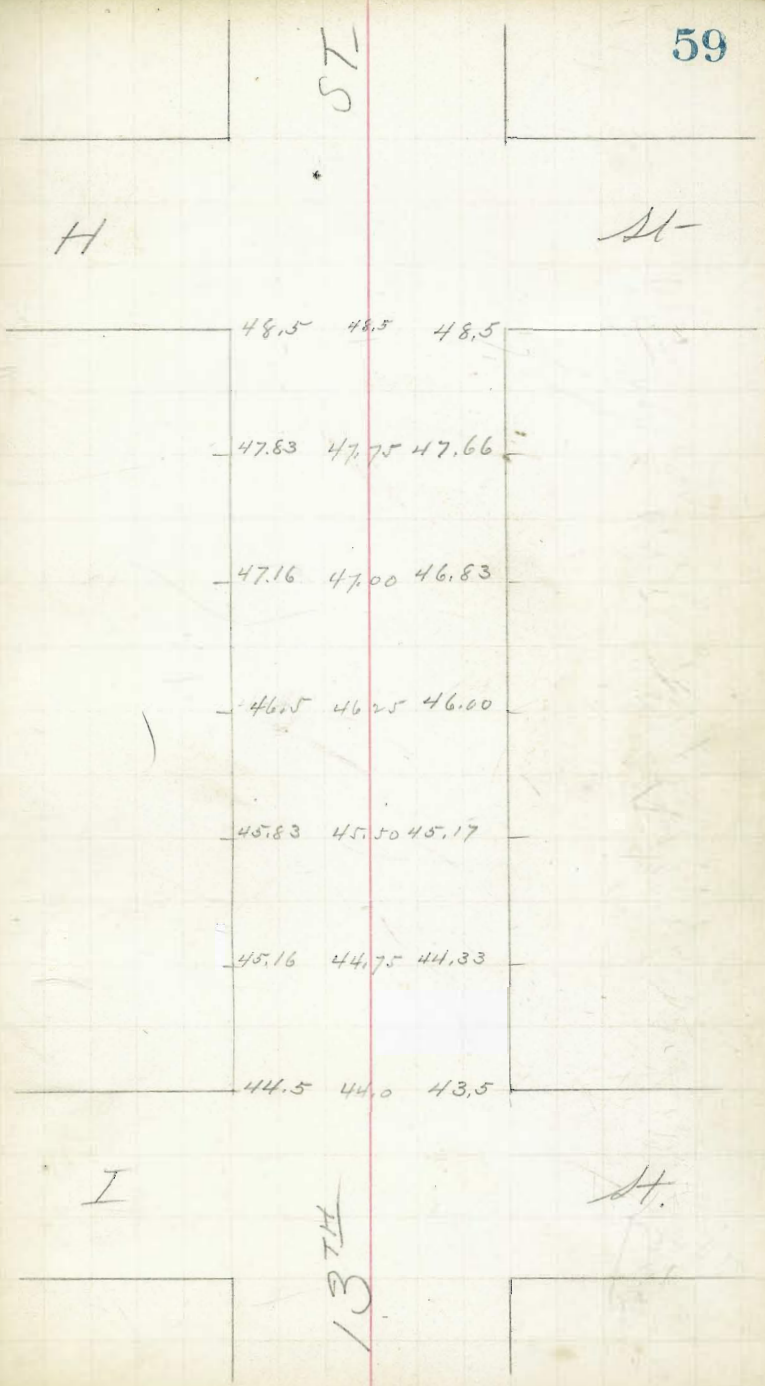
242.75 244.74 244.74 244.74 244.74
1.99 239.87 238.75 237.63 236.5
242.74 4.87 5.99 7.11 8.24
241.00
3.74

254.99 254.99 254.99 254.99
245.13 246.75 248.37 250.00
9.86 8.24 6.62 4.99



50.06
2 61
52.67
4850
4.17

52.67 52.67 52.67 52.67 52.67
4450 44 43850 4850 4850
8.47 8.67 9.17 4.17 4.17
8.17



38.13
10.66
48.79
44.50
4.29

48.79
45.50
3.29

48.79
46.50
2.29

4.29
0.95
.34

3.29
.16
3.13

2.29
.16
2.13

50.00

50.50

F

A

49.00
47.90
46.82
45.75
44.66
43.58
42.50

50.50
49.50
48.50
47.50
46.50
45.50
44.50

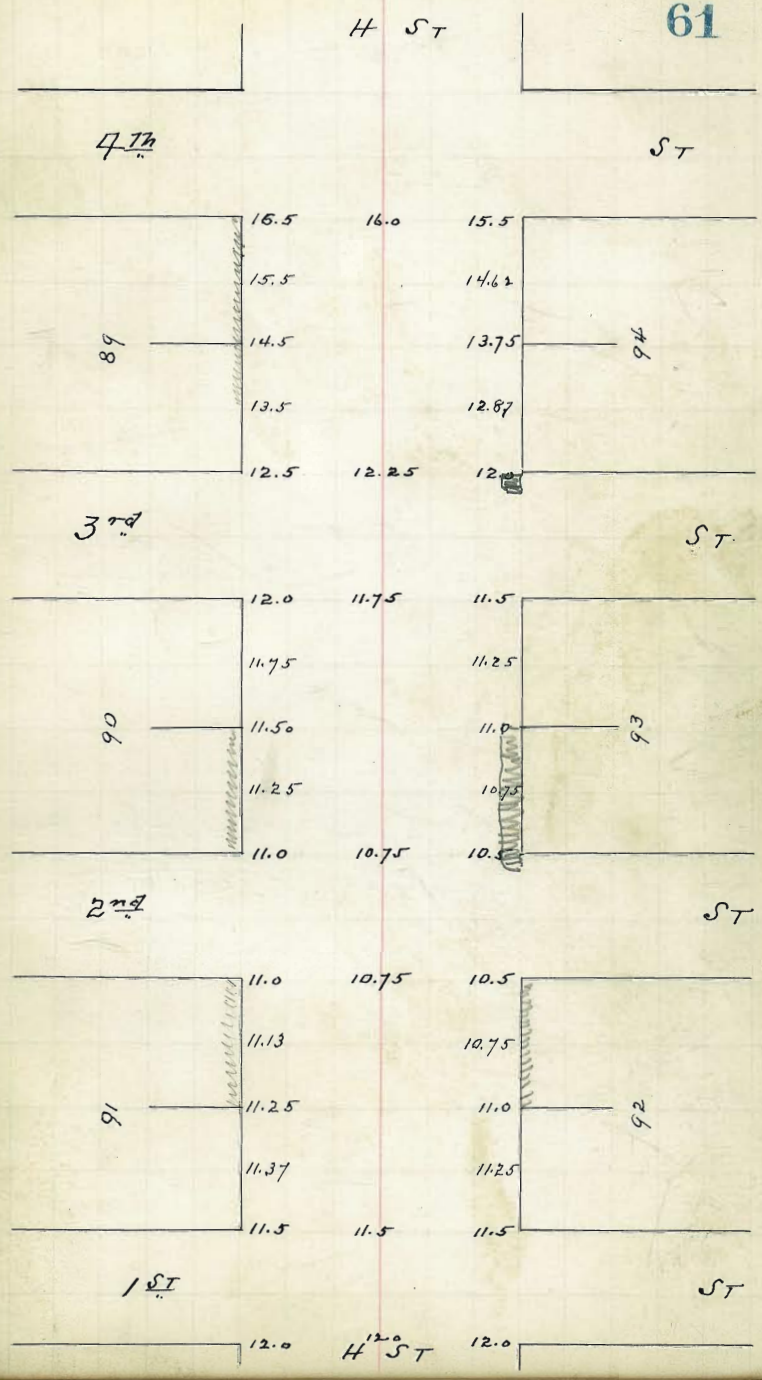
G

A

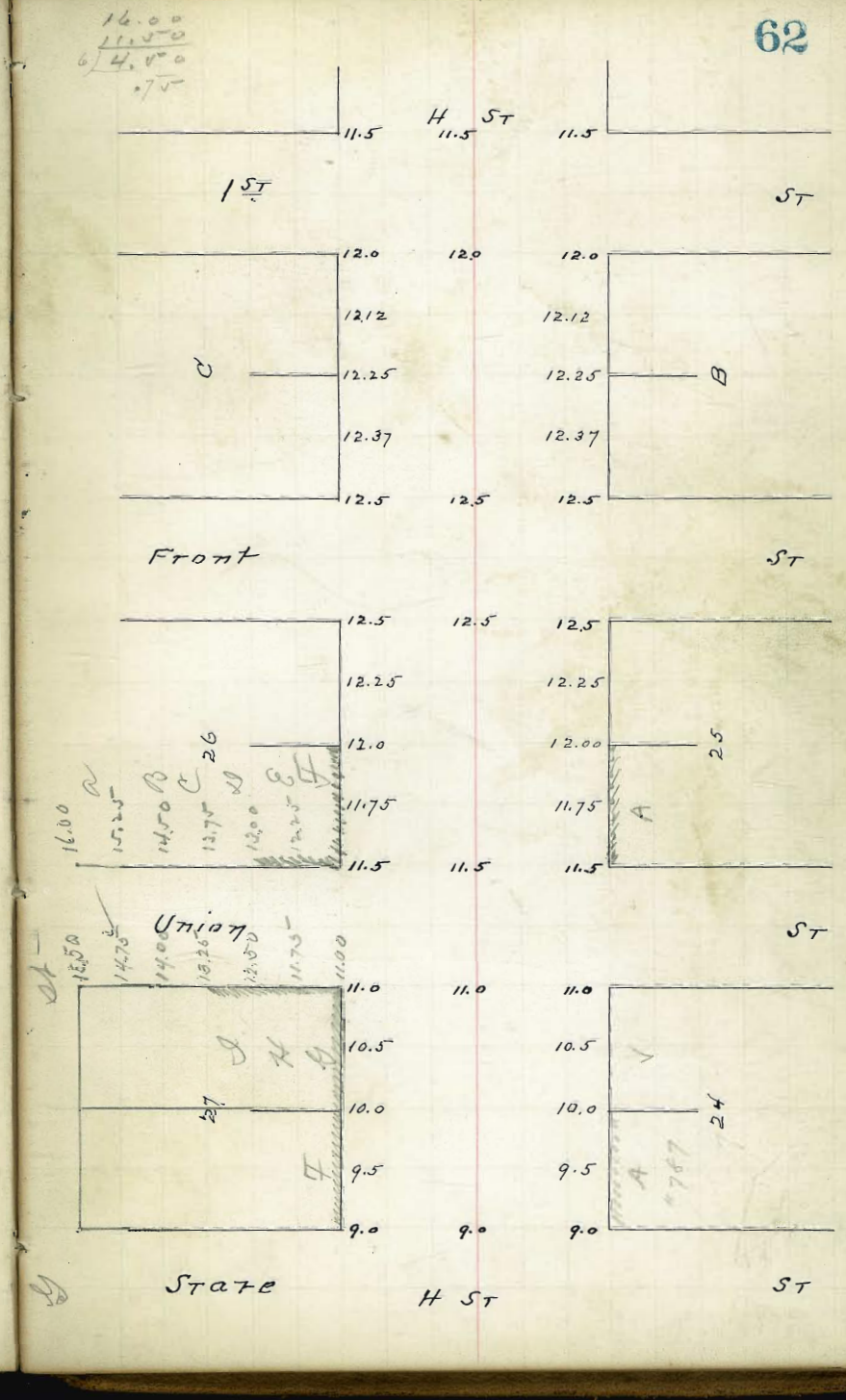
41.00

43.00

Gth



12.34 Bm Lot 7 Blk 90


H ST
1ST
ST
Front
ST
Union
ST
State
H ST
ST

15.62 15.62
9.00 8.50
6.62 7.12
State St

4.06 B.M.
4.73 India
8.79 8.79
3.00 2.50
5.79 6.29

4.73
.75
5.48

8.79
6.50 Rod on C.S.R.R. track
2.29 Elev C.S.R.R. track
at East line India

4.06 B.M.
4.73
8.79 8.79
5.50 5
3.29 3.79
Columbia

8.79
6.54 Rod on St Elec R.R.
2.25 East Elec track West
line India

India
4.06 B.M.
2.45
6.51 6.51
3.00 2.50
3.51 4.01

Arctic
6.51 6.51
2.00 1.50
4.51 5.01

13.33 13.33
9 8.5
4.33 4.83

4.06 B.M.
5.68
9.74 9.74
5.50 5.00
4.24 4.74

10.13 B.M.
3.39
13.52 13.52
9 8.5
4.52 5.02

4.06
3.78
7.84 7.84
2.50 2
5.34 5.84

13.52
5.5
8.02

10.13
1.60
11.73
6.25
5.48

11.73
5.50
6.23

4.06 6.19 6.19
2.13 2.37 2.25
6.19 3.82 3.94
2.5 2.2
3.69

10.13 13.10 13.10 13.10 13.10
2.97 7.75 7.00 6.25 5.5
13.10 5.35 6.1 6.85 7.60
8.5
4.60

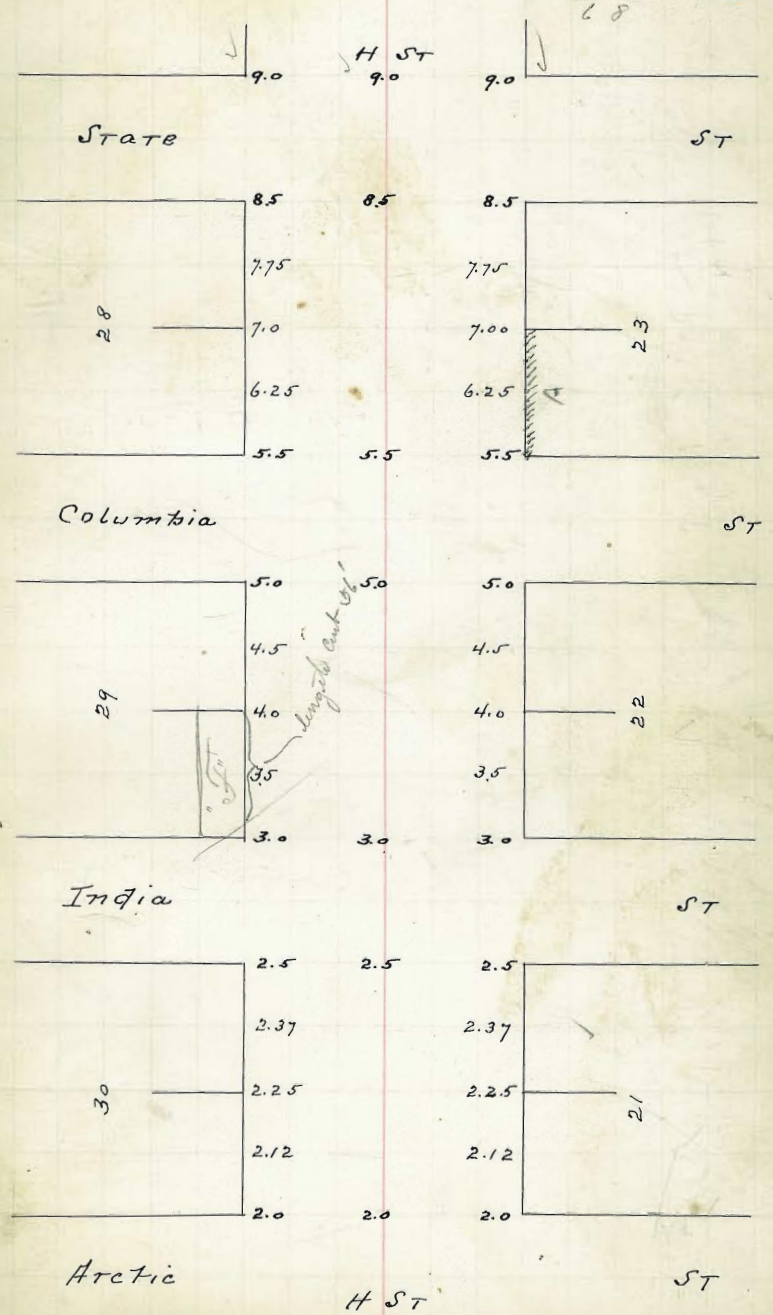
4.06 6.69 6.69
2.63 2.25 2.12
6.69 4.44 4.57
2.37
4.32

4.06 B.M.
4.78
8.84 8.84 8.84
4.00 3.50
4.84 5.34

4.06
4.81
8.87
4.50
4.37
8.87
5.00
3.87

4.06
5.68
9.74

100
32
68



Nog Hyd - BN

1.25 B.M
2 20
3 45

3.45
1 50
1.95

1.25
6 90
8 15
3 40
4.75

8.15

4.06 B.M
2 41

6.47 6.47 6.47 6.47 6.47
1 50 1 37 1 25 1 12 1 00
4.97 5.10 5.22 5.35 5.47

4.06 Selling Point for Kelly Contract Sept 13-99

4.06
2.37
6.43
1 31
5.12

6.43
1.18
5.25

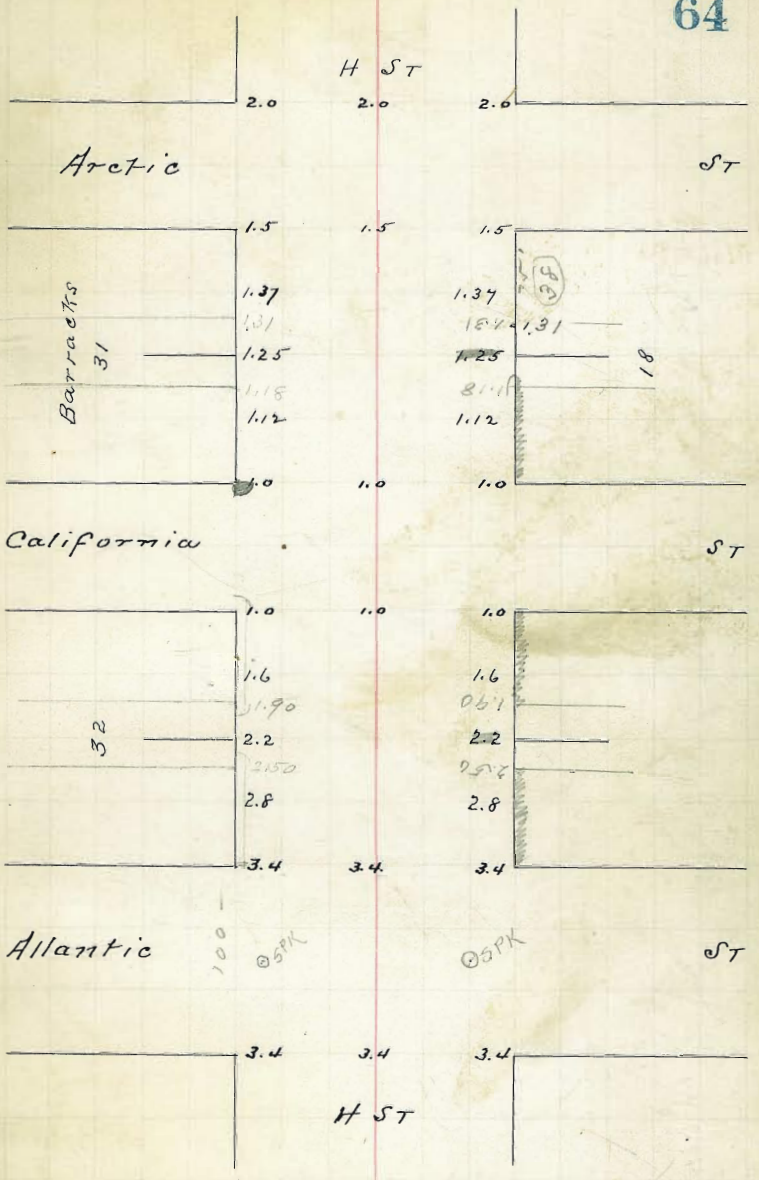
4.06 B.M
2 73
6.79
1 50
5.29

6.79
3 40
3.39

6.79
1
5.79

1.16
5.75
6.91 6.91 6.91 6.91 6.91 6.91 6.91
1 12 1 00 1 60 1 90 2 50 2 80 3 40
5.79 5.91 5.31 5.01 4.41 4.11 3.51

34



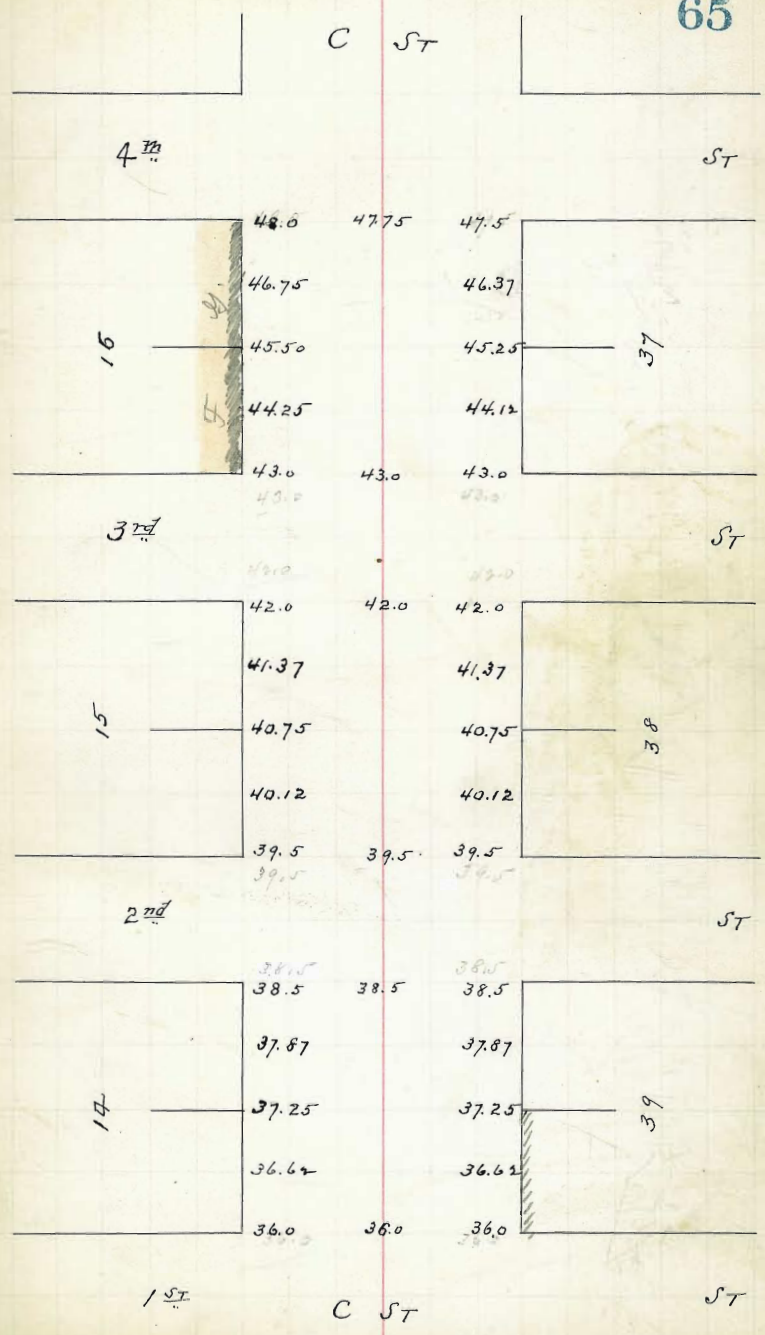
38.81 B.M
6.06
44.87 44.87 44.87
38.00 39.00 42
5.87 4.87 2.87

38.81 B.M
4.21
42.02 H.I
37.26
5.27

42.52 42.52
36.62 36
5.90 6.52

38.31 42.76 42.76
4.45 37.57 38.45
42.76 4.89 4.32
37.25
5.51

45.11 49.82 49.82
4.71 46.75
49.82 3.07
44.25
5.57



33.60 B.M.
1.64

35.24 35.24 35.24
31.50 30.87 30.25
3.74 4.37 4.99

35.24 35.24
29.62 29.00
5.62 6.24

4.81
28.78
33.59 33.59
29.00 28.00
4.59 5.59

33.60
3.92
37.52 37.52 37.52
32.50 31.50 29
5.02 6.02 8.52

C St

36.0 36.0 36.0

1st St

35.0 35.0 35.0
34.37 34.37
H 33.75 33.75 G
33.12 33.12
32.5 32.5 32.5

Front St

31.5 31.5 31.5
30.87 30.87
K 30.25 30.25 L
2 29.62 29.62 D
29.0 29.0 29.0

Union St

28.0 28.0 28.0
27.12 27.12
3 26.25 26.25 1
25.37 25.37
24.5 24.5 24.5

State C St. St

18.30 B.M.
7.61
26.81 26.81
21.50 20.50
4.31 6.31

18.30
3.93
22.23 22.23
17
5.23
21.50
6.65

28.05 28.05 28.05 28.05 28.05 28.05
22.12 22.75 23.37 24 24.50
5.93 5.30 4.68 4.05 3.55

18.30 B.M.
5.58
23.88 23.88 23.88 23.88 23.88
17.00 17.87 18.75 19.62 20.50
6.88 6.01 5.13 4.26 3.38

3.88
.88
4.76

Lot 7 Blk 6

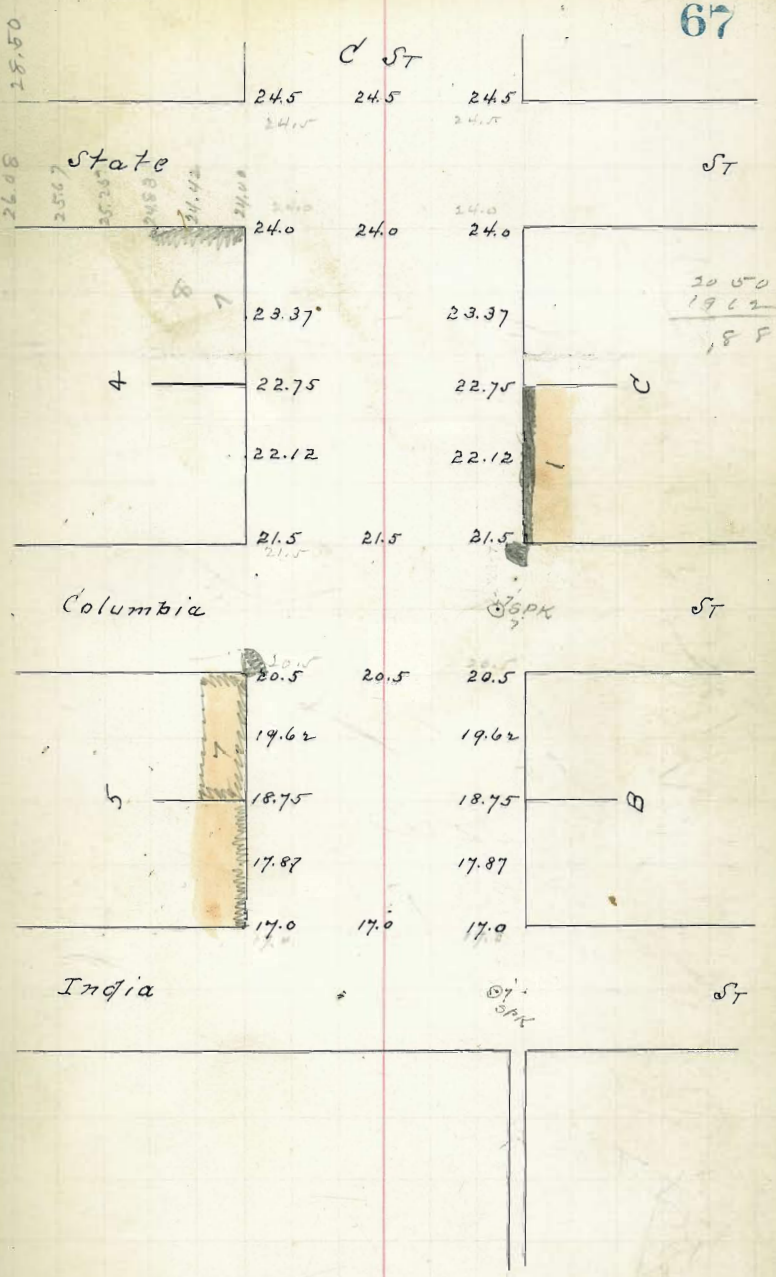
18.30 B.M.
5.86
24.16 24.16 24.16
18.75 19.62 20.50
5.41 4.54 3.66

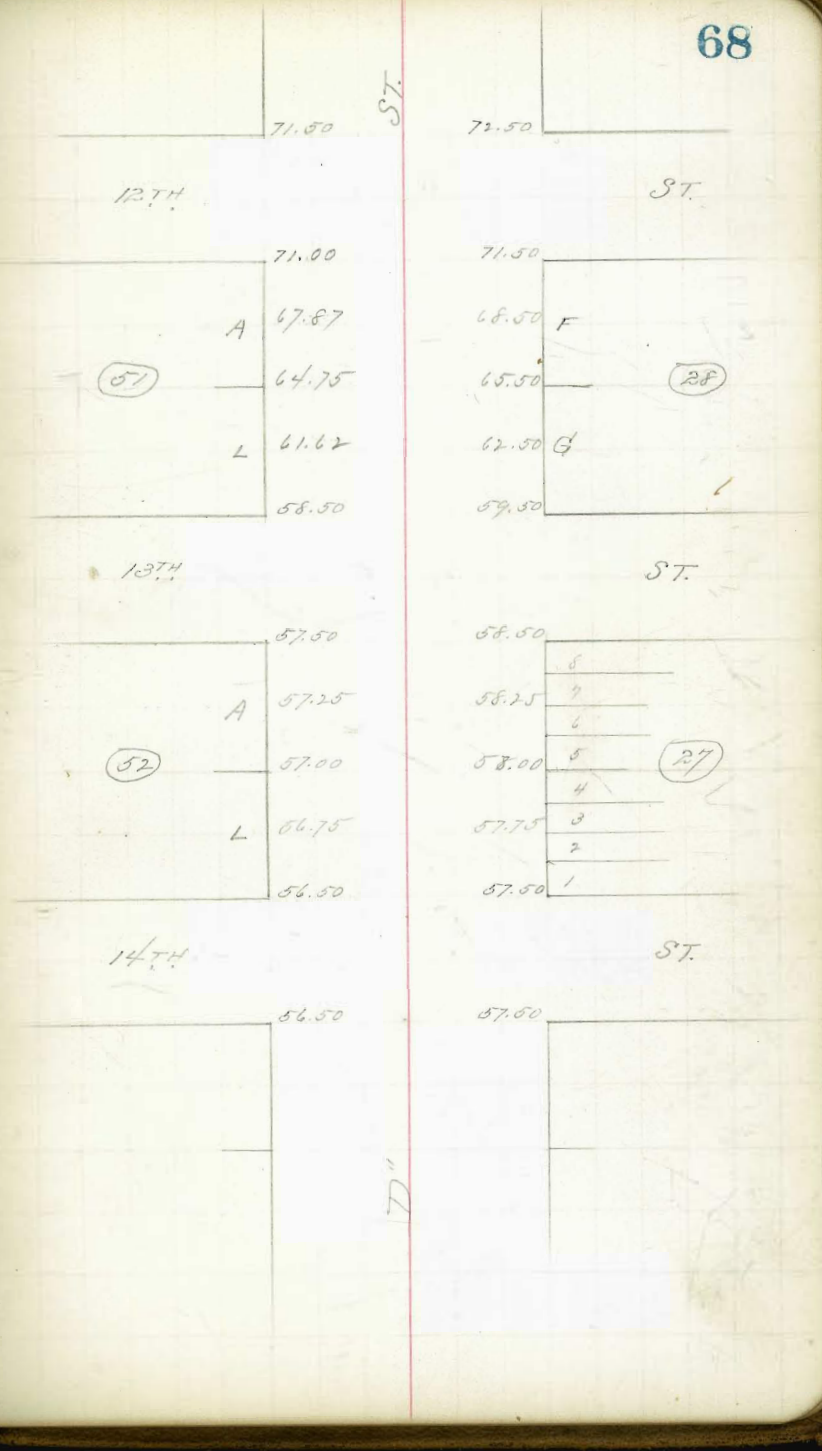
2619 B.M.
3.70
29.89 29.89 29.89
24.00 24.42 24.83
5.89 5.47 5.06

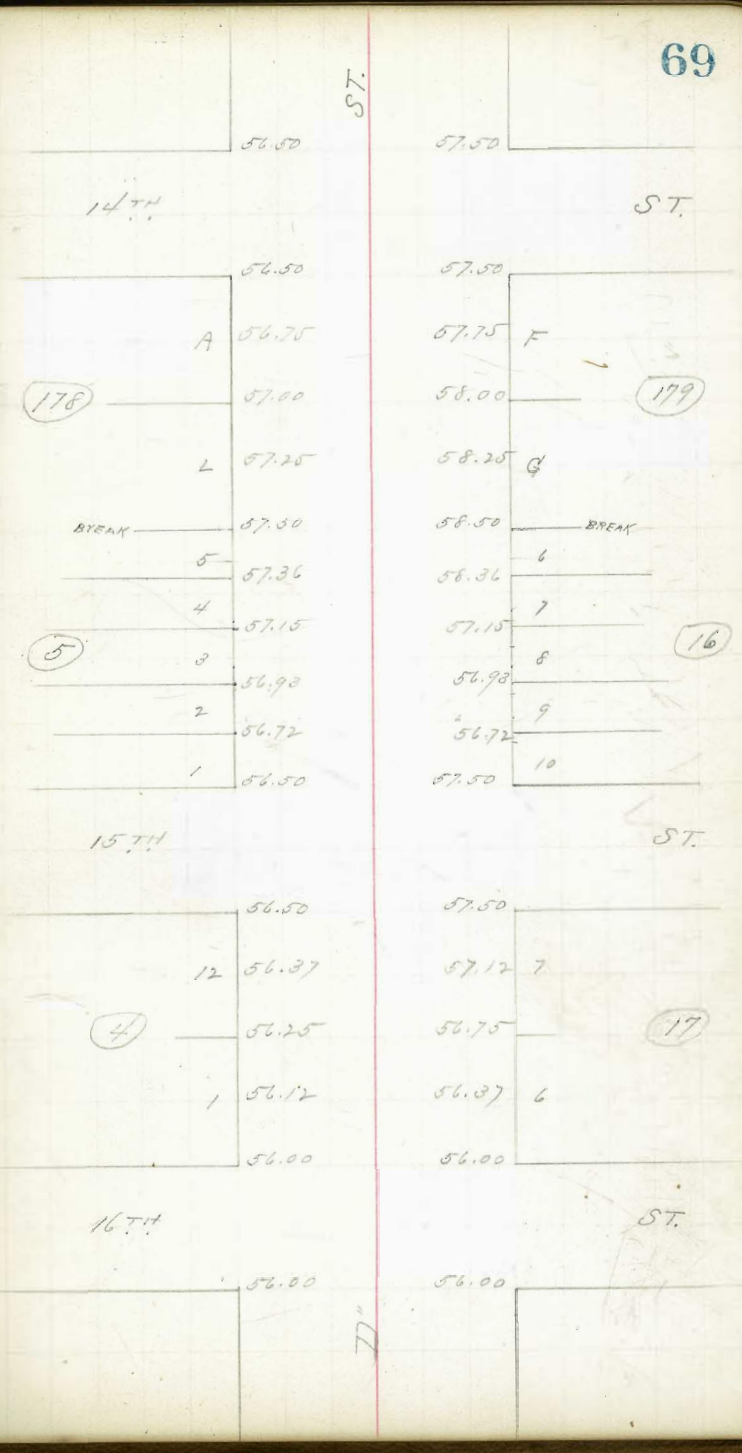
Kelly Contract - March 31 - 97

18.30 B.M.
4.69
22.99 22.99 22.99 22.99 22.99
17.00 17.87 18.75 19.62 20.50
5.99 5.12 4.24 3.37 2.49

18.30 B.M. Kelly Con Apr 6-97
6.92
26.22 26.22 26.22
21.50 22.12 22.75
3.72 3.10 2.47




71.50
ST.
12TH
71.00
A
67.87
51
64.75
L
61.62
58.50
13TH
57.50
A
57.25
52
57.00
L
56.75
56.50
14TH
56.50
D"
72.50
ST.
71.50
68.50
F
65.50
28
62.50
G
59.50
ST.
58.50
8
58.25
7
6
58.00
5
27
4
57.75
3
2
57.50
1
ST.
57.50


ST.
56.50
14TH
56.50
A
56.75
178
57.00
L
57.25
BREAK
57.50
5
57.36
4
57.15
5
3
56.93
2
56.72
1
56.50
15TH
56.50
12
56.37
4
56.25
1
56.12
56.00
16TH
56.00
77'
57.50
ST.
57.50
F
57.75
58.00
179
58.25
G
58.50
BREAK
6
58.36
7
57.15
16
8
56.93
9
56.72
10
57.50
ST.
57.50
7
57.12
56.75
17
56.37
6
56.00
ST.
56.00

Order No 981 — April 14-98

Grades to Lot 1 Orange Hill reserve, also 80 ft opposite 18th st termination

84.01 BM 18' x 10 -
3.01
87.02 87.02 87.02
86.00 85.12 84.25
1.02 1.90 2.77

87.02
75.37
11.65

75.37 T.P.
0.95
76.32 76.32
70.94 66.50
5.38 9.82

set this stake 1 ft low

Order No — Apr 28-98

84.01 BM
0.24
84.25
11.36
72.89
1.02
73.91 73.91
64 62
9.91 11.91

62.00
2.12
64.12 64.12 64.12
60.00 58.00 56
4.12 6.12 8.12

Order No — Apr 29-98

84.01 B.M.
2.46
86.47 86.47 86.47
84.25 79.81 75.37
2.22 6.66 11.10

64.12
8
56.12 B.M.S.

75.37
1.07
76.44 76.44
70.94 66.50
5.50 9.94

B.M. 84.01
7.03
91.04 H.I.
84.25
6.79

91.04
87.50
3.54

91.04
86.00
5.04

91.04
86.75
4.29

Order 1013.

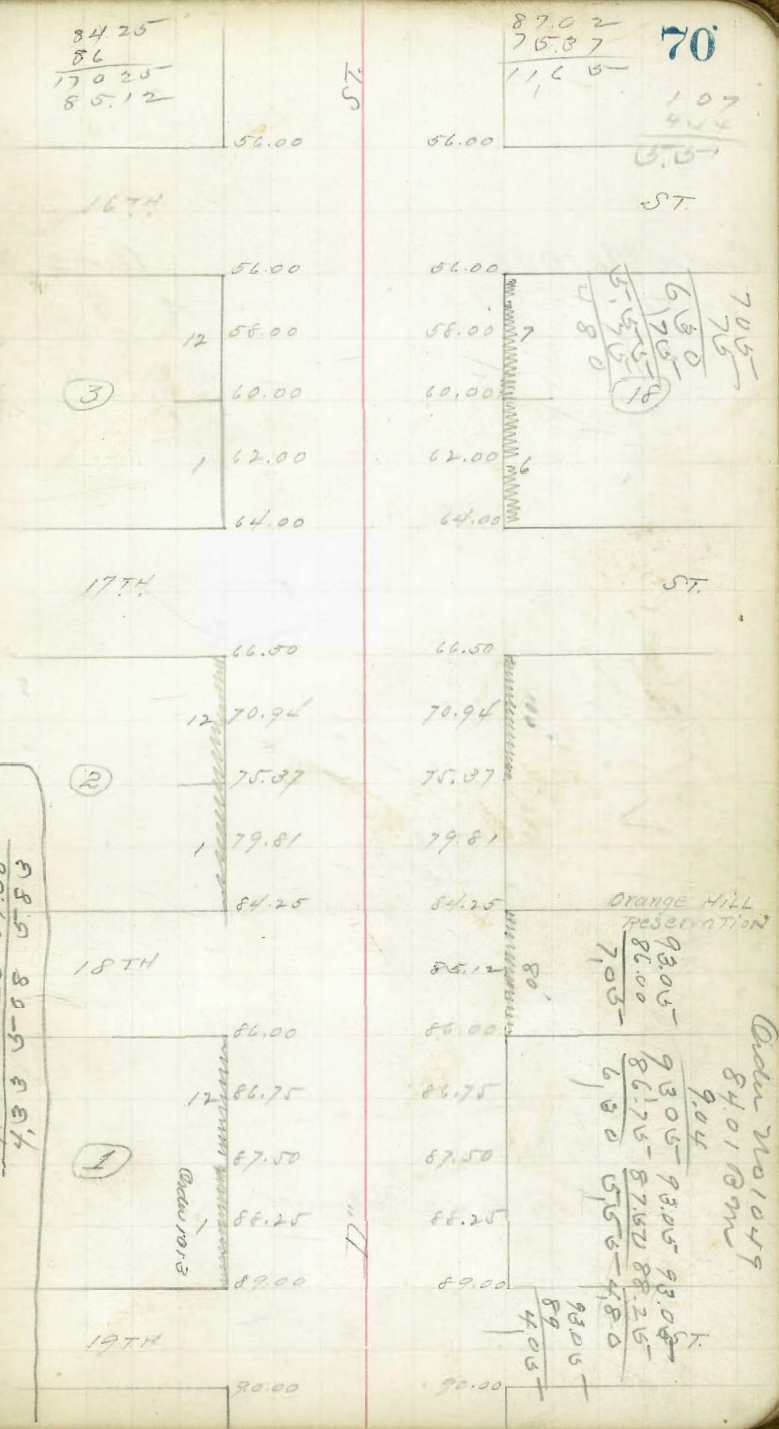
84.01 BM Sept 6-98
9.32
93.33 93.33 93.33
89.00 88.25 87.50
4.33 5.08 5.83

84.25
86
170.25
85.12

87.02
75.37
11.65

1.07
4.44
5.51

5.38
4.44
9.82



138.00
118
256.00
128.00

114.97 B.M
6.58
121.55 121.55 121.55
118.00
3.55

Order No 1006. Aug 6-98

Grade to Lots 1-7 Blk 44

138.55 B.M
0.46
139.01
138.00
1.01

139.01
1.099
128.02
.010
128.12

128.12
118
10.12

Order 975 Mch 22, 98.

Grades to Lots 1-7 Blk 43

~~119.89 B.M.~~
~~5.80~~
~~125.69~~
~~97~~
~~8.69~~

94.38 B.M
5.80
100.18 100.18
97
3.18

97.00
11.70
108.70
101.50
7.20

108.70 108.70 108.70
106.00
2.70

106.00
11.48
117.48 117.48
110.50 115
6.98 2.48

Order No 982 Apr 14-98

Lot 1 Blk 42 Calumell

84.01 B.M 18" o.d.
8.79
92.80 92.80 92.80
90 91.25 92.50
2.80 1.55 .30

Order No 1008 Grades to Lot 7 Blk 42 Aug 17-98

71

94.38 B.M
3.72
98.10 98.10 98.10
95.00 93.75 92.50
3.10 4.35 5.60

19TH

84.01 B.M Order 1049
9.04

(42)

90.00
91.25
92.50
93.75
95.00

20TH

(43)

97.00
101.50
106.00
110.50
115.00

21ST

(44)

118.00
123.00
128.00
133.00
138.00

22ND

141.00

ST.

89.00
90.00
91.25
92.50
93.75
95.00

Order No 1049

(38)

(30)

(29)

SPK

John Boyd

97.00
101.50
106.00
110.50
115.00

118.00
123.00
128.00
133.00
138.00

141.00

94.38 B.M
5.48
9.86
97
2.86

9.70 on 9 stake
11.58
108.58
101.50
7.08

108.58
106
2.58

106.00 on stake
10.60
116.60
110.50
6.10

116.60
115
1.60

ST.

ST.

Order No 979 Lot 12 Bek 28 April 7-98

181.47
174.16
7.31

178.38 B.M., on Porch 24" C
3.09
181.47
11.42
170.05
0.53
170.58
160
10.58 on Cor Stake 23" D

181.47
7.35
174.12 B.M.
Cor 24" D

160.00
39
160.39 160.39
155.25 150.50
5.14 9.89

145.22
6.7
138.52

150.50
0.41
150.91
10.49
140.42
4.80
145.22
138
7.22

145.22
2.92
142.30

Sept 6-98

Order 1014

174.12 B.M.
1.61
175.73 175.73 175.73 165.33 165.33
173.78 169.67 165.33 167.46
1.95 6.06 1.04 6.46

Apr 22nd 98

Order No 983
Grades to Lot 1 Bek 45 Cedarwell

138.55 B.M.
8.65
147.20 147.20
141.00 145.75
6.20 1.45

145.75 on Stake
6.74
152.49
150.50
1.99

July 5-98

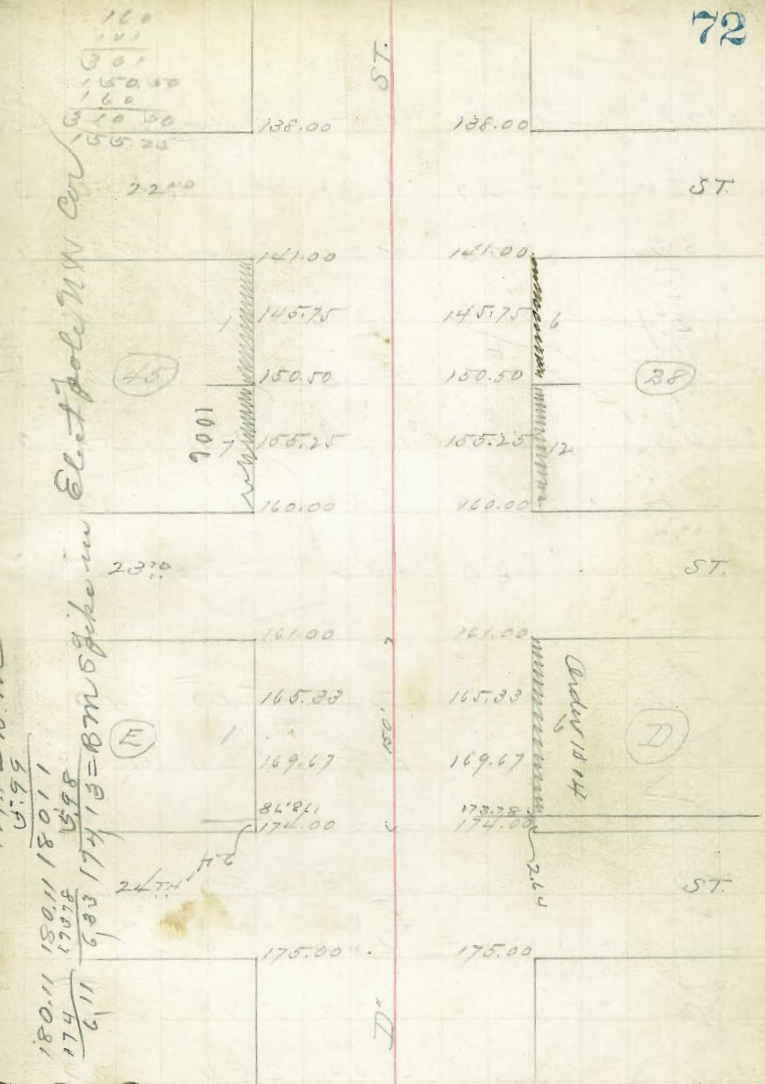
138.55 B.M.
11.47
150.02

Order 997. Grades to Lot 6 B 28

150.02 150.02 150.02
141.00 145.75 150.50
9.02 4.27 -.48

Order 1016. NW-SW. Cors 24" D at Sept 10th 98
174.12 B.M.
5.99
180.11
5.98
174.13 = B.M. Spike in Electrical Pole NW Cor

180.11 180.11
174 173.78
6.11 6.33



Order No 1006. Aug 6th 98
Grade to Lot 7 Bek 45

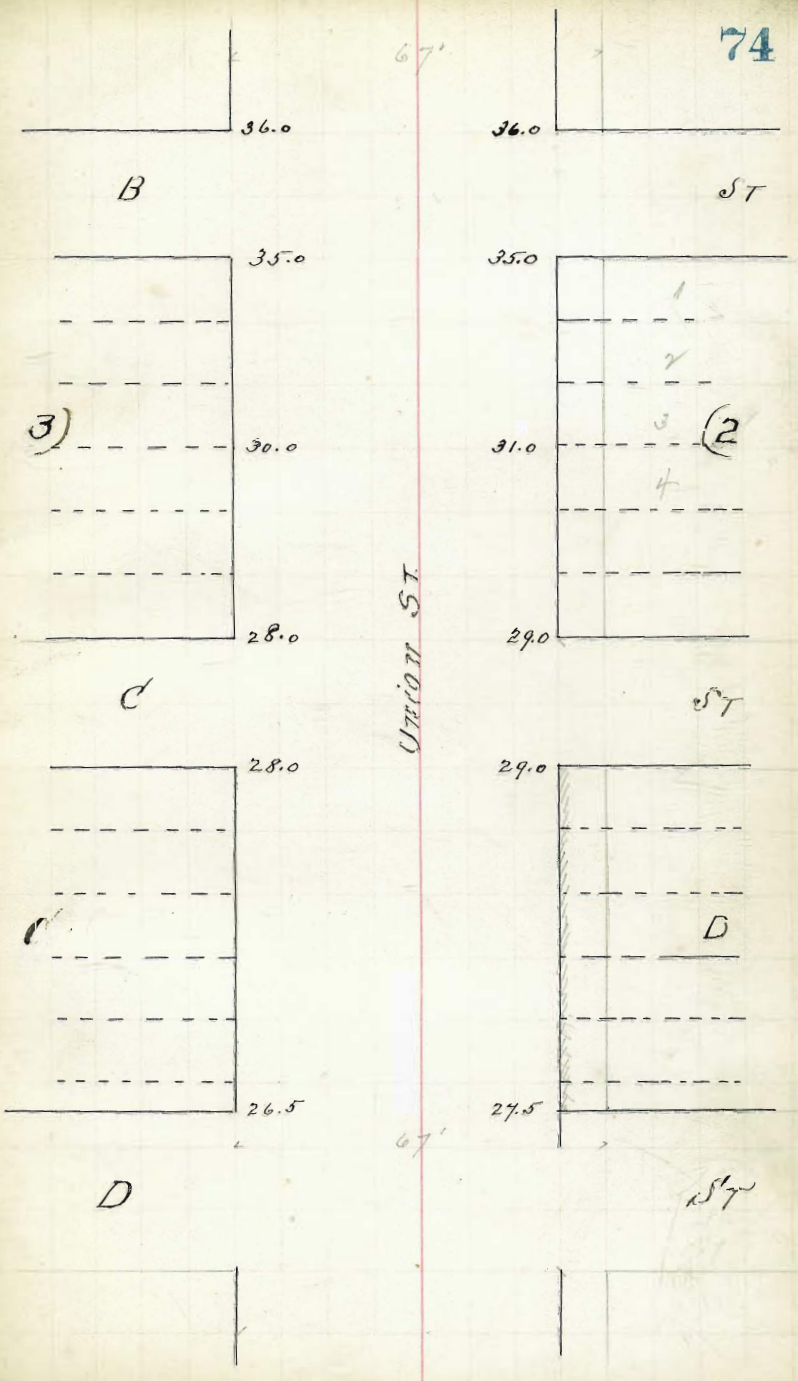
161.84 161.84 161.84
150.50 155.25 160.00
11.34 6.59 1.84

138.55 B.M.
11.50
150.05
0.05
150.00
11.84
161.84

Columbia Cross X sec

Stat	West	Curb	Center	Curb	East	Second for H St
0+0	5.4 4.30	5.0 4.70	(9.66) 5.3 4.40	5.2 4.50	5.4 3.80	N line H.
50	5.8 3.90	5.5 4.20	5.7 4.00	5.8 3.90	6.6 3.10	
1+00	6.5 3.20	6.5 3.20	6.6 3.10	6.7 3.00	7.4 2.30	
+50	7.3 2.40	7.1 2.60	6.9 2.80	7.2 2.50	7.7 2.00	
2+00	8.0 1.70	7.8 1.90	8.2 1.50	8.2 1.50	9.1 0.60	
50	8.8 6.60	8.6 6.80	(15.41) 8.8 6.60	8.8 6.60	9.2 6.20	
3+00	9.3 6.10	9.3 6.10	9.6 5.80	9.9 5.50	10.3 5.10	S line G.
0+0		10.1 5.30	10.4 5.00	10.5 4.90		N line G.
50		10.5 4.90	11.4 4.20	11.0 4.40		
1+00		10.7 4.70	11.3 4.10	11.4 4.00		
50		10.0 4.40	11.6 3.80	11.8 3.60		
2+00		11.4 4.00	12.3 3.10	11.9 3.50		
50		11.7 3.70	12.5 2.90	12.6 2.80		
3+00		12.4 3.00	13.1 2.30	13.1 2.30		S line F

4.06 B.M.
5.60
9.66
0.8
8.86
6.55
15.41


67'
36.0
B
35.0
3)
30.0
28.0
C
28.0
C'
26.5
D
UNION ST.
36.0
ST
35.0
1
2
3
(2
31.0
4
29.0
ST
29.0
D
27.5
67'
ST

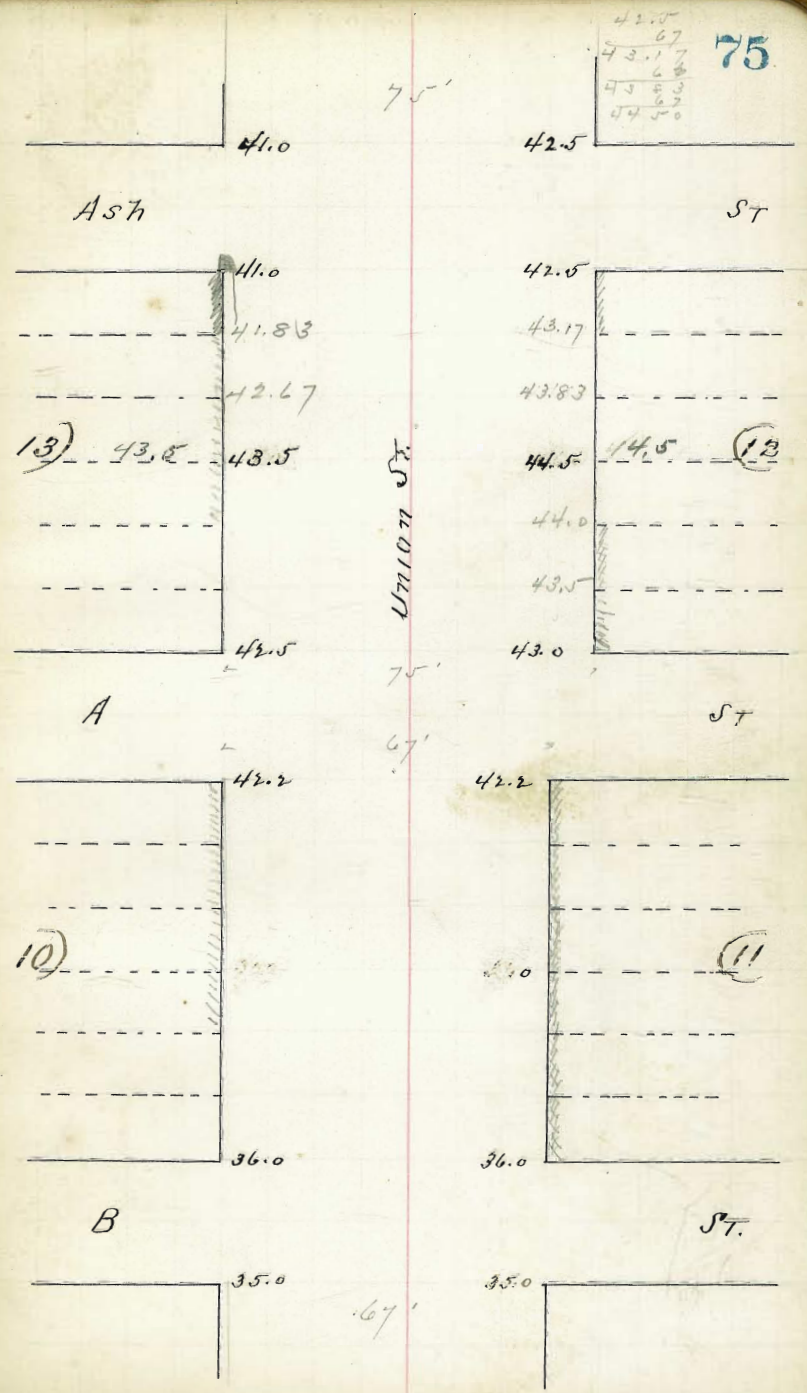
Kelley Apr 10-97

53.80
0.37
5.43
42.50
11.67

42.5
6.51
49.01
43.17
5.84

40.90 B.M.
40
45.30
41
4.30

45.30
41.83
3.47



52.93	BM
0 41	
53.34	53.34
46.73	45.32
6,61	8,02

64.0

Cedar

63.0

24 — 54.0

49.5

Beech

49.5

21 — 41.0

Ash

41.0

65.0

ST

64.0

53.5 — 23

51.0

ST

51.0

49.57

48.14

46.73 — 22

45.32

43.91

43.5

ST

42.5

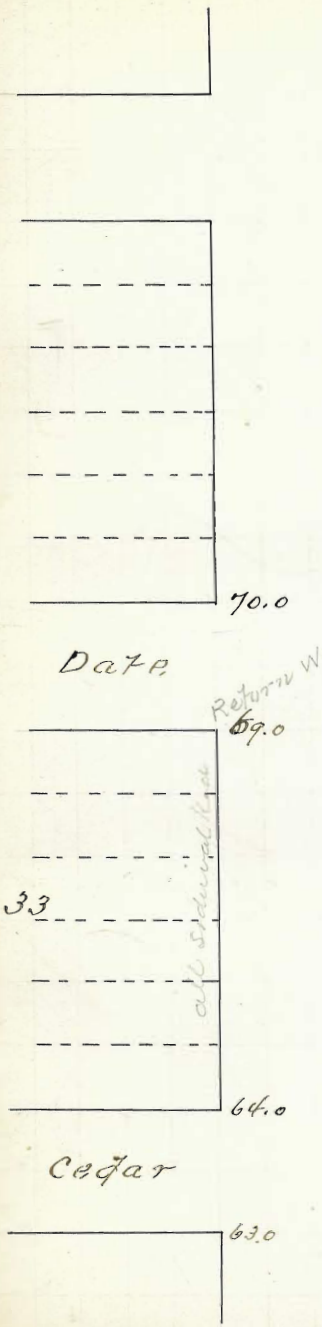
70.58 N W cor Data + Union

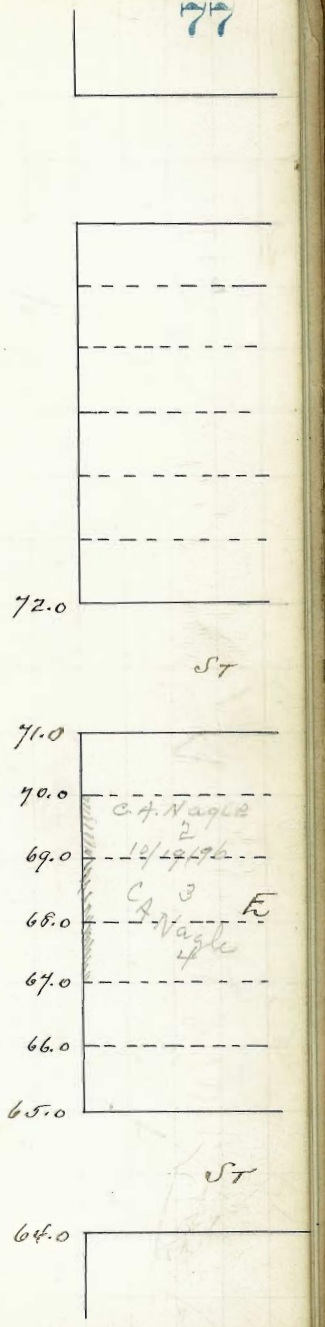
70.58 − 4.16 = 74.74 − 70.00 = 4.74

74.74 − 69.00 = 5.74

70.58 − 3.66 = 73.24 − 68.00 = 5.24

73.24 − 67.00 = 6.24





5.55
6.79
12.34
5.75
6.59

12.34
2.64
9.70

12.34
9.74
2.60
5.39
7.99

6.59
2.74

12.34
9.75
2.59

7.99
.75
8.74
3 2 5
5 4 9
3 2 5
2 2 4

9.75
4
5.75

10.5
9.75
-0.75

12.34
0.75
13.09

13.09
11.19
1.90

34.70
33.40
80) 1.30 (0.16
80
500
480

.016
80
1.280

.016

.044

25) 1.10 (0.44
100
100

90
71.25
4.25
70.62

68.
64.50
127.50
63.75
70.87

70.50
71.25
141.75
70.87

74.85
0.87

75.22
71.60
3.72

75.22
71
4.22

75.22
70.62
4.60

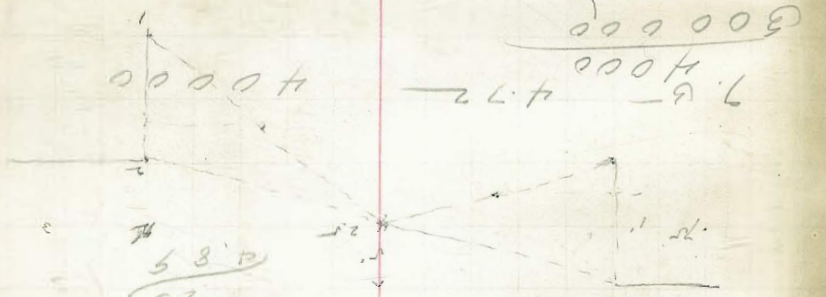
75.22
71.25
3.97

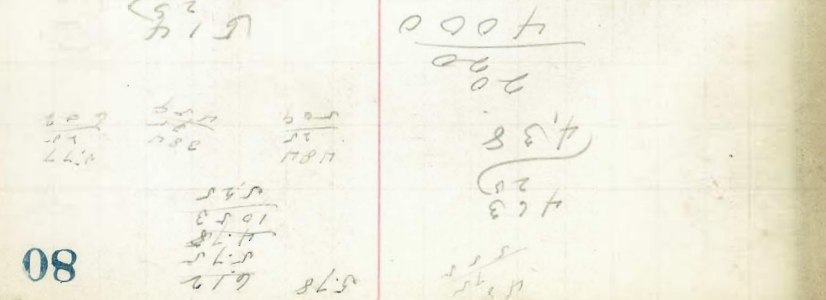
75.22
70.87
4.35

67.03 B.m
2.23

69.26 | 69.26 | 69.26 | 69.26 | 69.26 | 69.26
64 | 63.75 | 64.50 | 64.25 | 65.00 | 64.26
5.26 | 5.51 | 4.76 | 5.01 | 4.26 |

69.26 | 69.26 | 69.26 | 69.26 | 69.26
63.00 | 62.75 | 63.50 | 63.25 | 64
6.26 | 6.51 | 5.76 | 6.01 | 5.26





62.00
63.50
125.50
62.75

63.50
63
126.50
63.25

63
64.50
127.50
63.75

71.80

73.00

70.62

70.87

71.00

71.25

71.50

64.00

63.75

64.50

64.25

65.00

62.75

63.00

63.50

63.25

64.00

Nov. 29th A.M. 30 cts 4 ana Thorn

" " P.M. 15 " 4 ana Ivy

24.15
3.05
27.20
1.9
25.3
9.25
34.55
25
9.55

202.25

22.25
1.17
23.42

Dec) 4.50 (02.25
400 52
500 450
400 1125
1000 1,1700

22.25
1.17
23.42

30
3
27
2
25

29.5
5.29
34.79
30
4.79

66.50
84.25
7.25

30
3
27
2
25

84.25
66.50
17.75

34.55
29.5
5.05

46
42.5
3) 3.5
1.16
42.5
43.66
1.17
44.83
1.17
46.00

34.79
9.15
25.64
1.69
27.33
3.18
24.15
3.46
27.61
25
2.61

50
27.61
2.39

4.72

7.98
5.05
2.93

2.22
4.44
6.66
4.44
11.197

27.61

17.75 (4.44
16
17
16
15

12)100

3.14
1.7
2.198
3.14
2) 5.338
2.669
.85
13.345
21.352
23.6865

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

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TABLE I.—Minutes in Decimals of a Degree.

1′	.0167	11′	.1833	21′	.3500	31′	.5167	41′	.6833	51′	.8500
2	.0333	12	.2000	22	.3667	32	.5333	42	.7000	52	.8667
3	0500	13	.2167	23	.3833	33	.5500	43	.7167	53	.8833
4	.0667	14	.2333	24	.4000	34	.5667	44	.7333	54	.9000
5	.0833	15	.2500	25	.4167	35	.5833	45	.7500	55	.9167
6	.1000	16	.2667	26	.4333	36	.6000	46	.7667	56	.9333
7	.1167	17	.2833	27	.4500	37	.6167	47	.7833	57	.9500
8	.1333	18	.3000	28	.4667	38	.6333	48	.8000	58	.9667
9	.1500	19	.3167	29	.4833	39	.6500	49	.8167	59	.9833
10	.1667	20	.3333	30	.5000	40	.6667	50	.8333	60	1.0000

TABLE II.—Inches in Decimals of a Foot.

1–16	3–32	1/8	3–16	1/4	5–16	3/8	1/2	5/8	3/4	7/8
.0052	.0078	.0104	.0156	.0208	.0260	.0313	.0417	.0521	.0625	.0729

1	2	3	4	5	6	7	8	9	10	11
.0833	.1667	.2500	.3333	.4167	.5000	.5833	.6667	.7500	.8333	.9167

TABLE III.—Radii, Ordinates and Deflections.

Deg.	Radius	Mid. Ord.	Tan. Def.	Chd. Def.	Def. for 1 Foot	Deg.	Radius	Mid. Ord.	Tan. Def.	Chd. Def.	Def. for 1 Foot
0°10′	34377.	.036	.145	.291	0.05′	7°	819.0	1.528	6.105	12.21	2.10′
20	17189.	.073	.291	.582	0.10	20′	781.8	1.600	6.395	12.79	2.20
30	11459.	.109	.436	.873	0.15	30	764.5	1.637	6.540	13 08	2.25
40	8594.4	.145	.582	1.164	0.20	40	747.9	1.673	6.685	13.37	2.30
50	6875.5	.182	.727	1.454	0.25	8	716.8	1.746	6.976	13.95	2.40
1	5729.6	.218	.873	1.745	0.30	20	688.2	1.819	7.266	14.53	2.50
10	4911.2	.255	1.018	2.036	0.35	30	674.7	1.855	7.411	14.82	2.55
20	4297.3	.291	1.164	2.327	0.40	40	661.7	1.892	7.556	15.11	2.60
30	3819.8	.327	1 309	2.618	0.45	9	637.3	1.965	7.846	15 69	2.70
40	3437.9	.364	1.454	2.909	0.50	20	614.6	2.037	8.136	16.27	2.80
50	3125.4	.400	1.600	3.200	0 55	30	603.8	2.074	8.281	16.56	2.85
2	2864.9	.436	1.745	3.490	0.60	40	593.4	2.110	8.426	16.85	2.90
10	2644.6	.473	1.891	3.781	0.65	10	573.7	2.183	8.716	17.43	3.00
20	2455.7	.509	2.036	4.072	0.70	30	546.4	2.292	9.150	18.30	3.15
30	2292.0	.545	2.181	4.363	0.75	11	521.7	2.402	9.585	19.16	3.30
40	2148.8	.582	2.327	4.654	0.80	30	499.1	2.511	10.02	20.04	3.45
50	2022.4	.618	2.472	4.945	0.85	12	478.3	2.620	10.45	20.91	3.60
3	1910.1	.655	2.618	5.235	0 90	30	459.3	2.730	10.89	21.77	3.75
10	1809.6	.691	2.763	5.526	0.95	13	441.7	2.839	11.32	22 64	3.90
20	1719.1	.727	2.908	5.817	1 00	30	425.4	2.949	11.75	23.51	4.05
30	1637.3	.764	3.054	6.108	1.05	14	410.3	3.058	12.18	24.37	4.20
40	1562.9	.800	3.199	6.398	1.10	30	396.2	3.168	12.62	25.24	4.35
50	1495.0	.836	3.345	6.689	1.15	15	383.1	3.277	13.05	26.11	4.50
4	1432.7	.873	3.490	6.980	1.20	30	370.8	3.387	13.49	26.97	4.65
10	1375.4	.909	3.635	7.271	1.25	16	359.3	3.496	13.92	27.84	4.80
20	1322.5	.945	3.718	7.561	1.30	30	348.5	3.606	14.35	28.70	4.95
30	1273.6	.982	3.926	7.852	1.35	17	338.3	3.716	14.78	29.56	5.10
40	1228.1	1.018	4.071	8.143	1.40	18	319.6	3 935	15.64	31.29	5.40
50	1185.8	1.055	4.217	8.433	1.45	19	302.9	4.155	16.51	33.01	5.70
5	1146.3	1.091	4.362	8.724	1 50	20	287.9	4.374	17.37	34.73	6.00
10	1109.3	1.127	4.507	9.014	1.55	21	274.4	4.594	18.22	36.44	6.30
20	1074.7	1 164	4.653	9.305	1.60	22	262.0	4.814	19.08	38.16	6.60
30	1042.1	1.200	4.798	9.596	1.65	23	250.8	5.035	19.94	39.87	6.90
40	1011.5	1.237	4 943	9.886	1.70	24	240.5	5.255	20.79	41.58	7.20
50	982.6	1.273	5.088	10.18	1.75	25	231.0	5.476	21.64	43.28	7.50
6	955.4	1.309	5.234	10.47	1.80	26	222.3	5.697	22.50	44.99	7.80
10	929.6	1.346	5 379	10.76	1.85	27	214.2	5.918	23.35	46.69	8.10
20	905.1	1.382	5.524	11.05	1.90	28	206.7	6.139	24.19	48.38	8.40
30	881.9	1.418	5.669	11.34	1.95	29	199.7	6.360	25.04	50.07	8.70
40	859.9	1.455	5.814	11.63	2.00	30	193.2	6.583	25.88	51.76	9.00