[illegible] Cemetery P 17
P 28
[illegible] P 52
X Sec. Pt 9 Horton P 26
Survey for Scripps La Jolla P 30

369

TRANSIT

F.B. 92

92

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

MICROFILMED
OCT 7 1964
Return to City Engineers Office
City Hall, San Diego, Cal.

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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

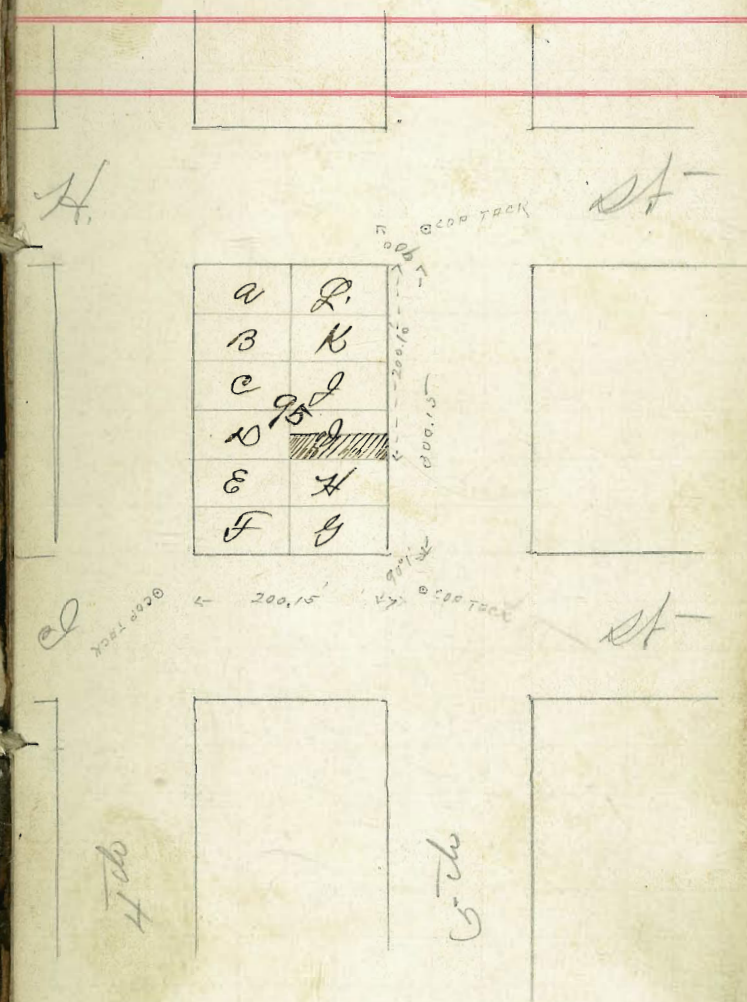
92
Return to City Engineers Office
City Hall, San Diego, Cal.

W. A Beers. Sept 22-96

Survey S 1/2 Lot "I" Blk 95
~~Hortons~~

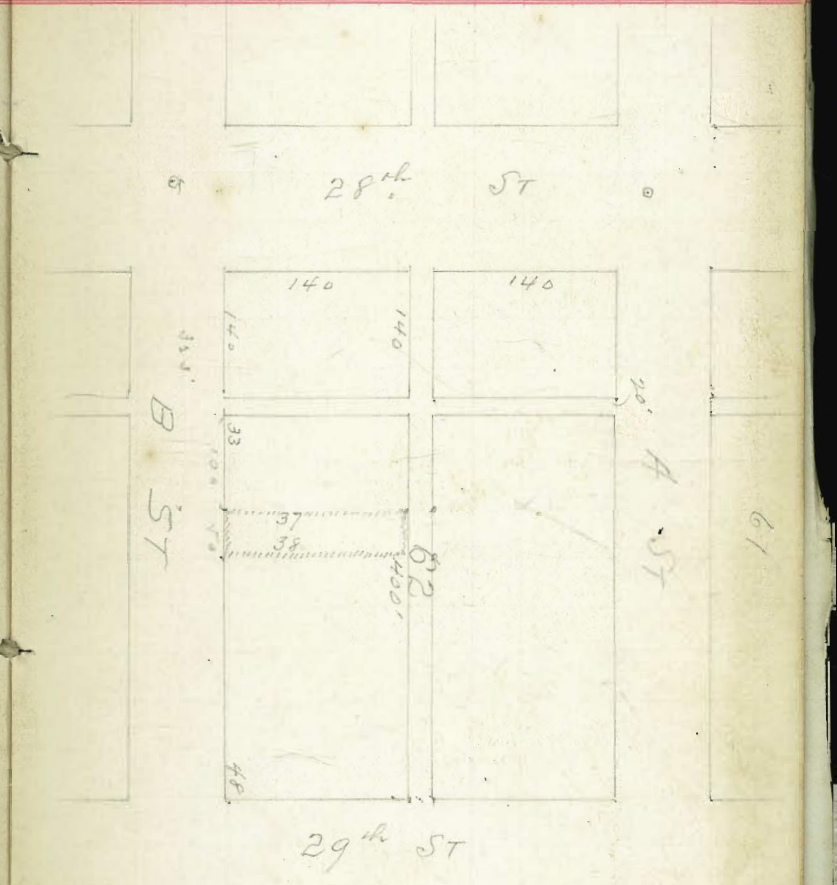
.025
3
.075
12
.087

.025
4
.100



Sept. 28th 1896

Survey for J. H. Martin of
Lots 37 and 38 Blk 62 E. Ut. Moores Add.



Survey of Wagon Road through Pueblo
Lot No- 1267

Stat	Angle	Dist
0+0 ↑	← S 5°10' W true	215'
215		
2+15 X ↑	→ ← S 61°34' W true	210'
210'		
4+25 X ↑	→ ← S 12°2' E true	175'
175'		

Road through P. L 1267

stat	Angle	Dist
6+00	48°30' R	
7+90	12°30' R	160'
9+50	21°30' L	290'
12+40	30°46' L	225
14+65	19°22' L	300'
17+65	9°19' R	350'

S 22°15' W mag
190 ft
S 34°45' W mag
160'
S 13°15' W mag
290
S 17°30' E mag
225
S 36°50' E mag
300'

3650
1780
19,20

30°46
1315
17,31

790
160
950
290
1240
225
1465
3
1765
380
2145

at S 8+90 Ravine (deep)

from S 9+50 to S 17+00 is steep hillside

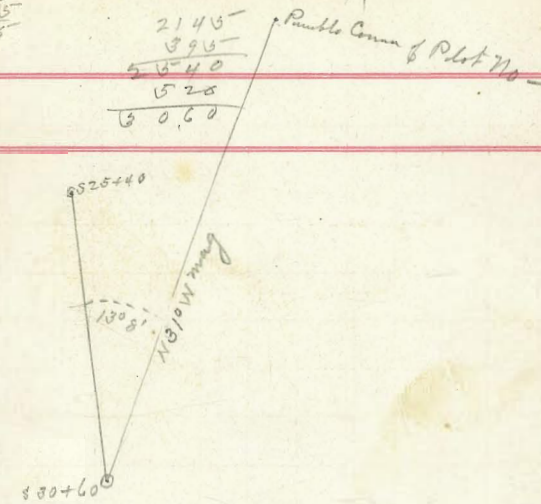
Stat	Angle		
380'	S 27°38' E mag		
21+45	12°51' R	395	
395	S 14°45' E mag		
25+40	29°22' L	520'	
520'	S 44°10' E mag		
30+60	1° L	300'	
300'	S 45°10' E mag		
33+60			

27.35 2695 1445 1250

3650 2740 910

4370 1445 2925

2145 395 2540 520 3060



S 25+40 Large Ravine (Bridge or Δ culvert

S30+60 on end of graded road

S30+60 is spike, driven East of Center Road

from S30+60 to S33+60 is along Center of graded Road

Lot A #208 · O.H. Millard · 5 Stakes

71.90
0.63
72.53
64.00
8.53

72.53
62.00
10.53

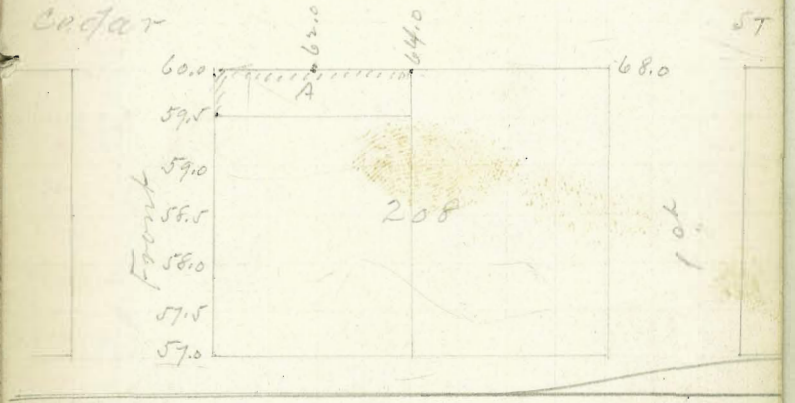
62.00
4.17
66.17
60.00
6.17

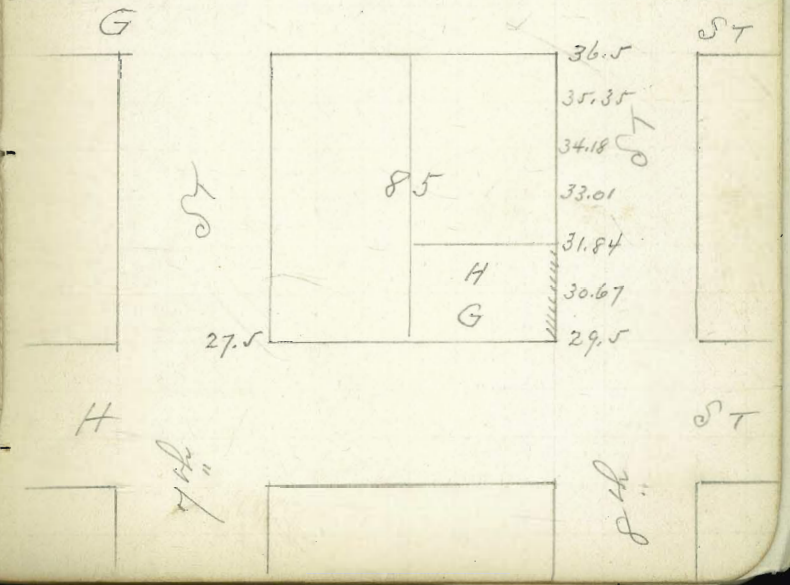
66.17
59.5
6.67

31.02
4.14
35.16
29.5
5.66

35.16
30.67
4.49

35.16
31.84
3.32



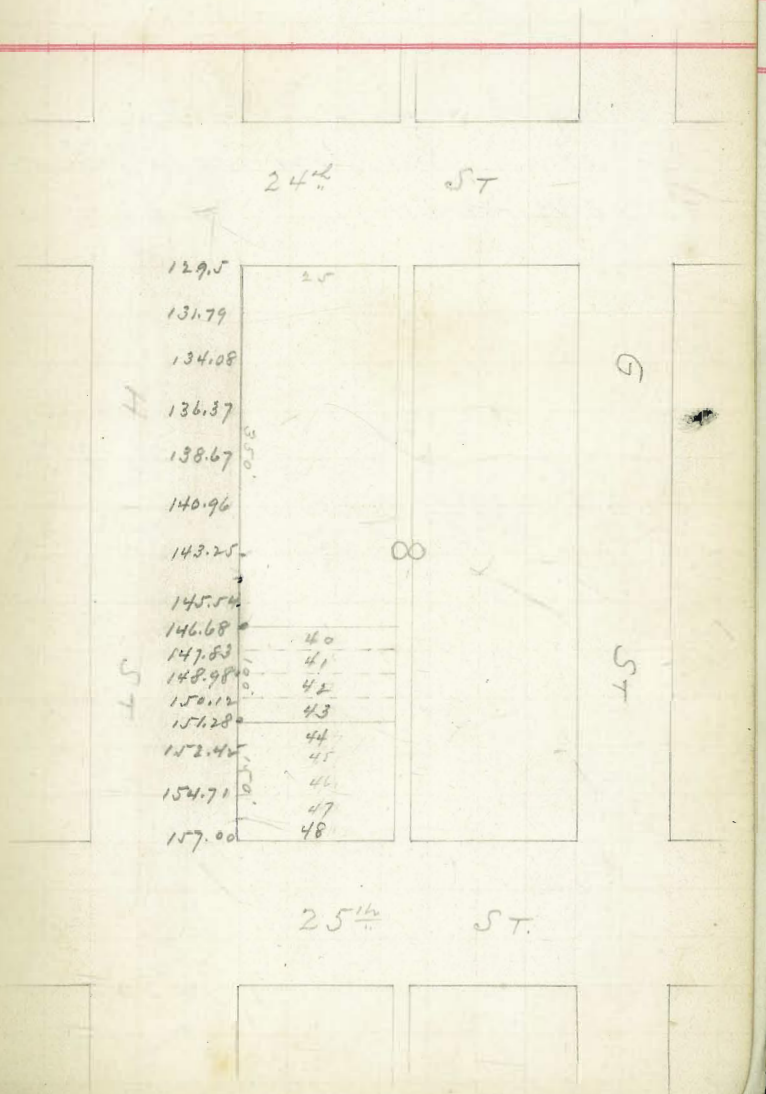


Oct 2nd 1896

Curb grades for John Fleming

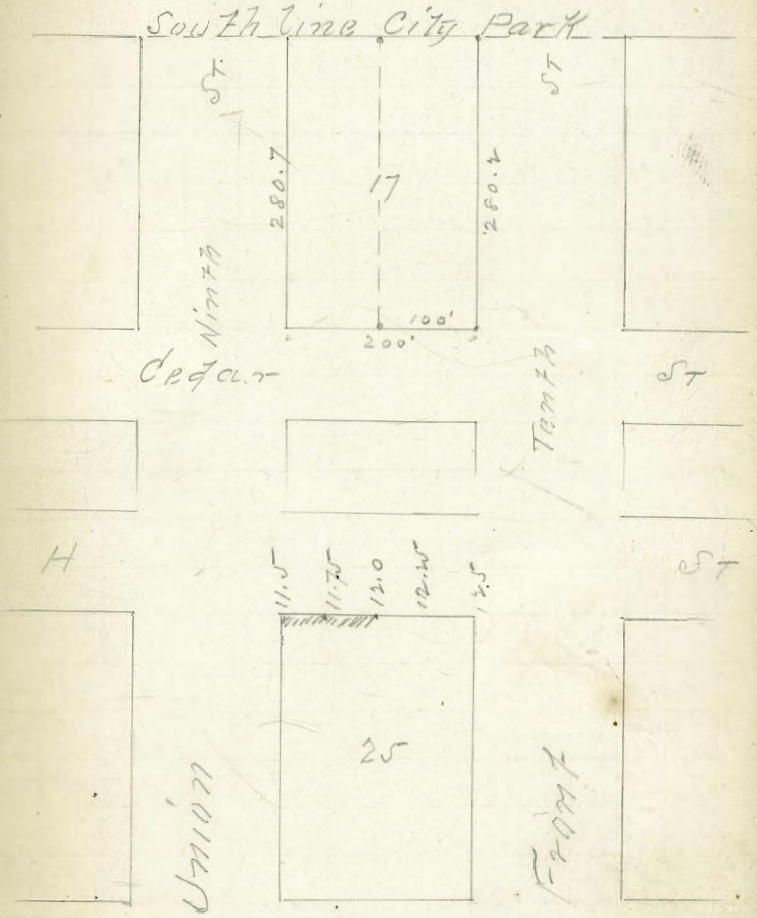
Lots 40, 41, 42 & 43 Blk 8 Kimballs Add

			BM. NW cor G
1.19	178.29 ✓		177.10 + 25
0.23	166.92 ✓	11.60	166.69 ✓
0.20	155.06	11.86	155.06 ✓
		3.78	151.28
		6.08	148.98
		8.38	146.68



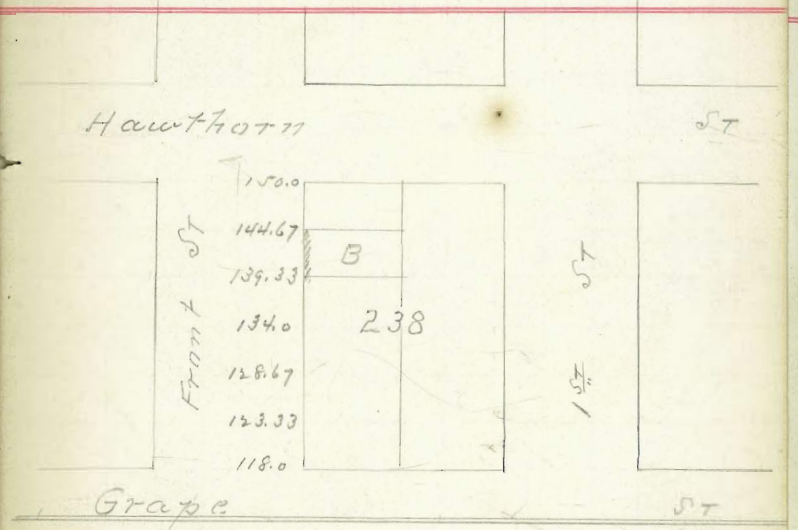
Survey of East ½ Blk 17
Carruthers Add (Bay View Homestead)
for Mr Carter -

10.13 15.22 15.22
3.09 17.75 12.0
15.22 3.47 3.22
11.5
3.72



Grade Lot B Blk 238,
L. J. Kirby

165.62	156.39	144.67
2.47	144.67	2.11
168.09	11.72	146.78
11.89		139.33
156.20		7.45
0.19		
156.39		

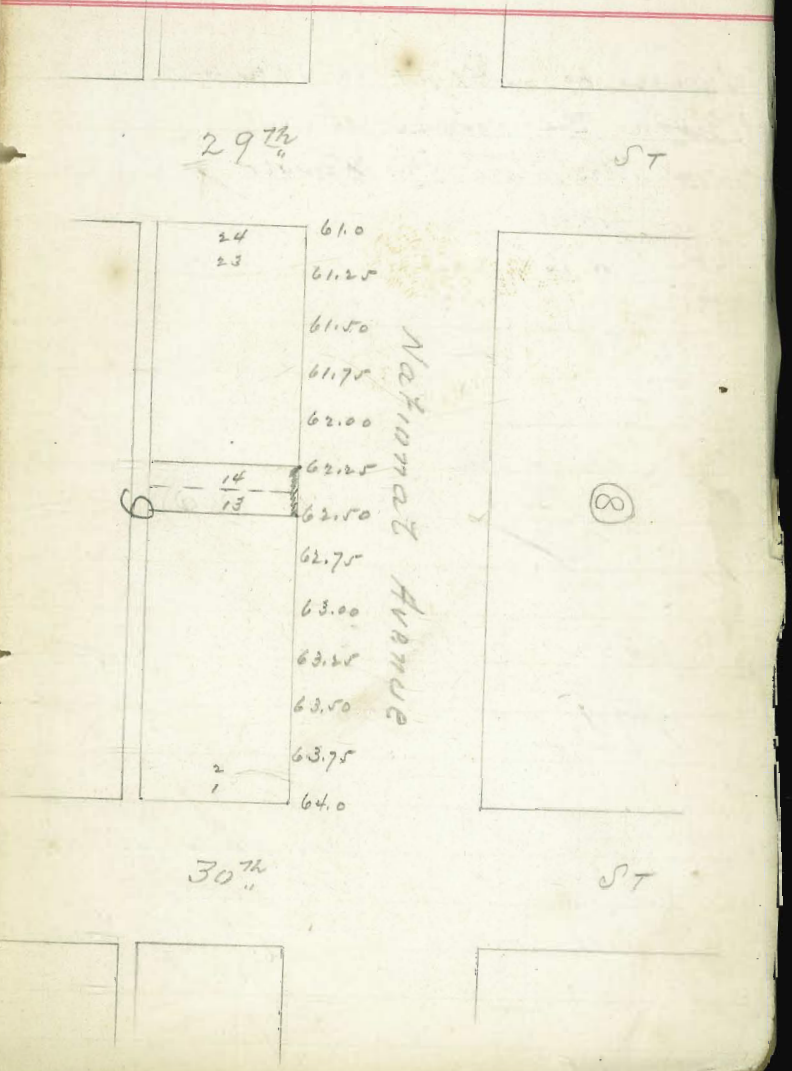


C. E. Thing -

Curb grades Lots 13+14 Blk 9
Reed + Hubbels Add -
Order #783 W. H. S. Buck.

63.89
3.00
66.89
62.25
4.54

66.89
62.50
4.39



Oct. 17th 1896

Survey of Lots 37, 38, 39 & 40
Block 2 Higgins Add.
For Mrs Eliza M. Stewart

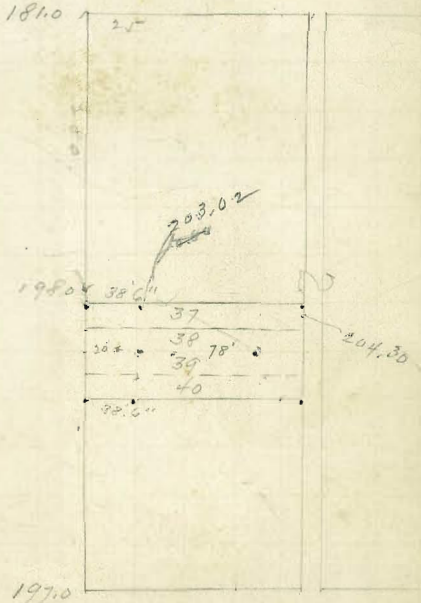
	10.26	194.88		184.62 B.M.
TP	11.10	204.95	1.03	193.85
			2.95	201.00 SW cor
			1.09	203.86
			2.85	202.10 SE cor

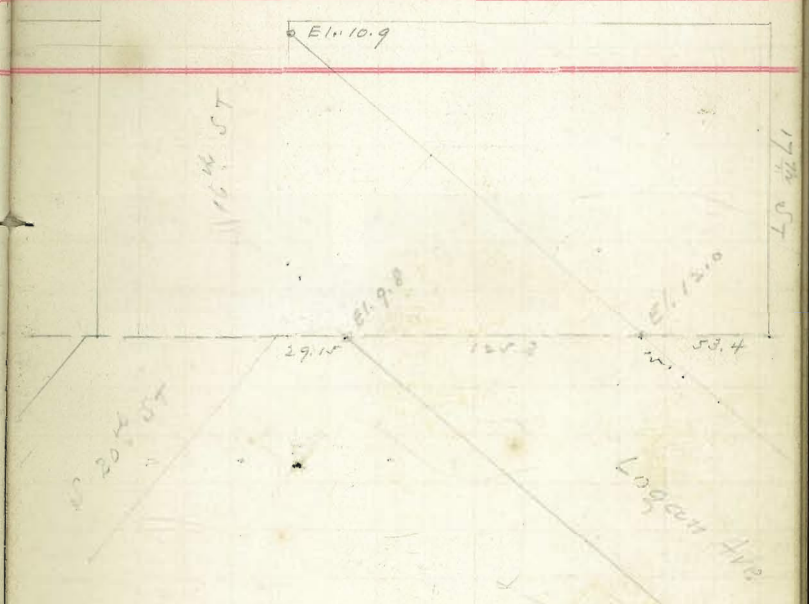
184.62 B.M.
10.88
195.45
0.55
194.90
11.63

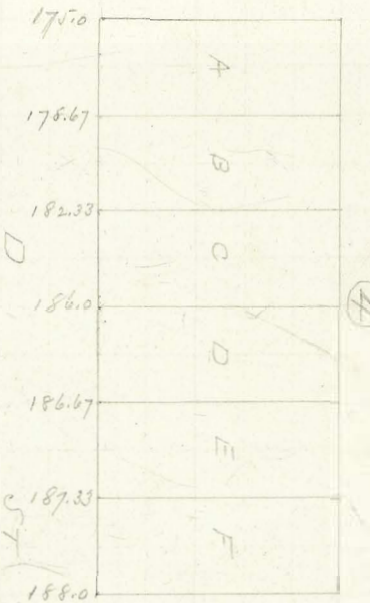
206.27 206.27 206.27 206.27
4.27 4.00 3.25 0.27
202.00 202.27 203.02 206.00
SW cor S.E. cor

206.27
1.97
204.30

Elev. of spike in tree mark of Porch

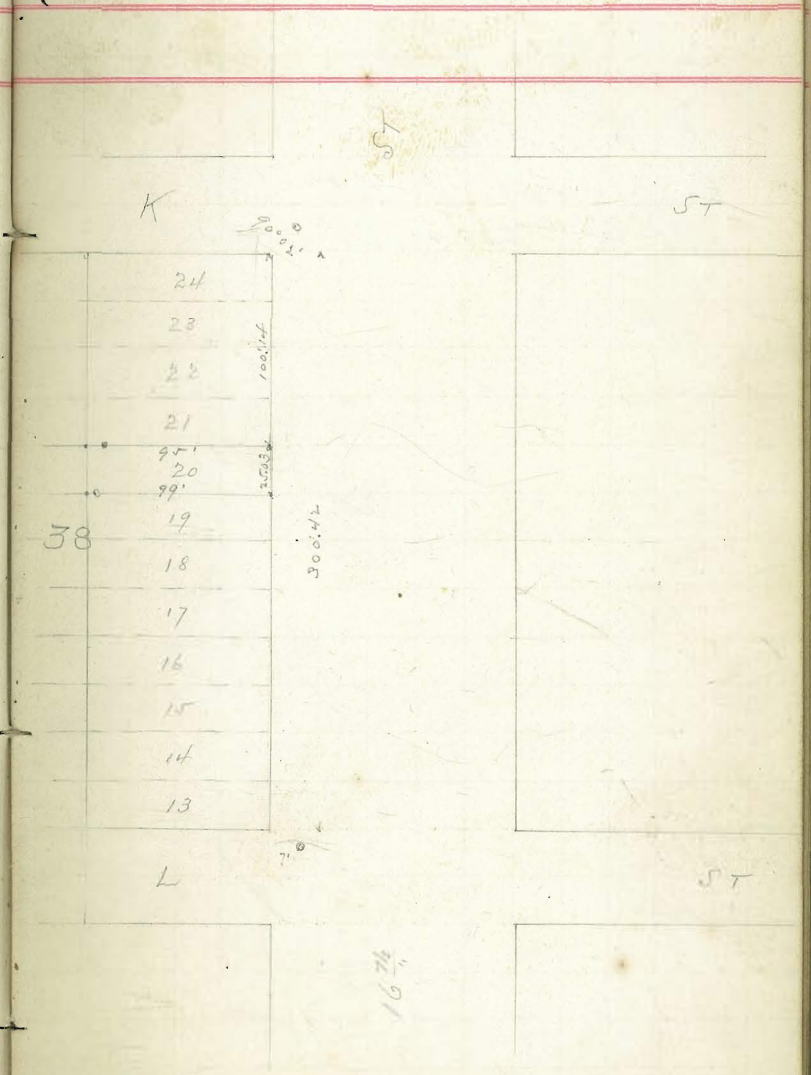



N ST
El. 10.9
16th ST
17th ST
El. 9.8
El. 12.0
29.1'
53.4
S 20th ST
Logan Ave


24th ST
175.10
A
176.67
B
182.33
C
186.10
D
186.67
E
187.33
F
188.0
D ST
4
25th ST

Oct 26/96.

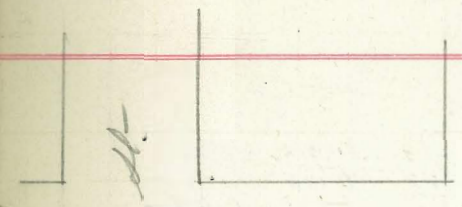
Survey for Chas Kindt of
Lot 20 Blk 38 Shermans
Re-subdivision -



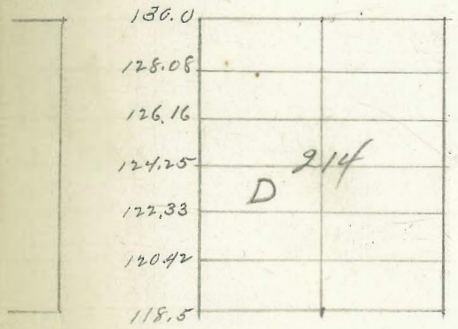
Dec. 12th 1896

a. Mundaya.
Cut grade for Lot "D"
Block # 214 Horton Add.

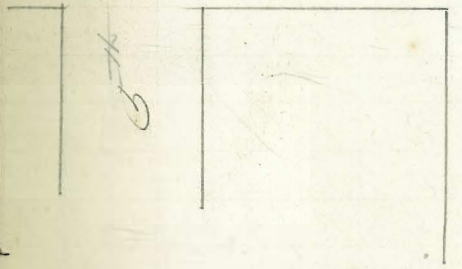
B.M 133.68	133.86	133.86
.18	124.25	122.33
133.86 H.I.	9.61	11.53



Data



Cedar



16.88 B.M
4.04
20.92 20.92 20.92 20.92
15.00 15.66 16.33 19
5.92 5.26 4.59 1.92

16.88 B.M Dec 24th 96
3.24
20.12 20.12 20.12
15.00 14.62 14.25
5.12 5.50 5.87

5.12
.375
5.495
.375
5.870
.375
6.245
.375
6.620

15.00
1350
4)1.50 (.375
12
30
28
20

20.12
1350
6.62

Zone

19.50 20.00

F

19.00 19.50
18.33
17.66
17.00
16.33
15.66
15.00 15.00

L
K
J
I
H
G

13.50 14.25 14.62 15.00

"G"

14.00 14.50

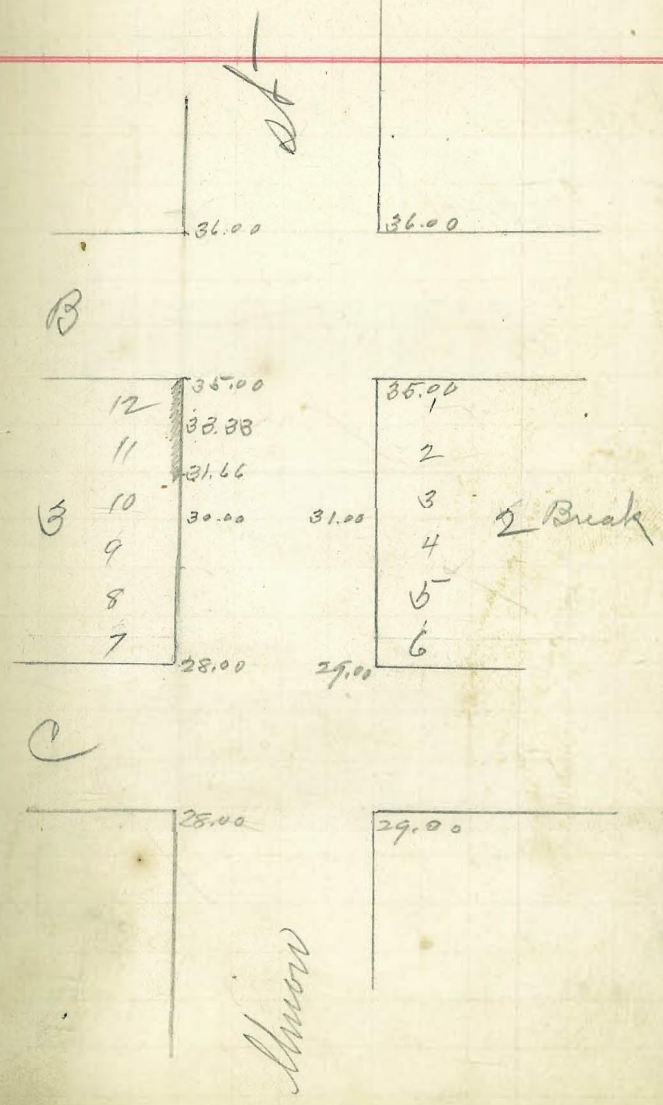
J. D. Shaw Ward Dec 26-96

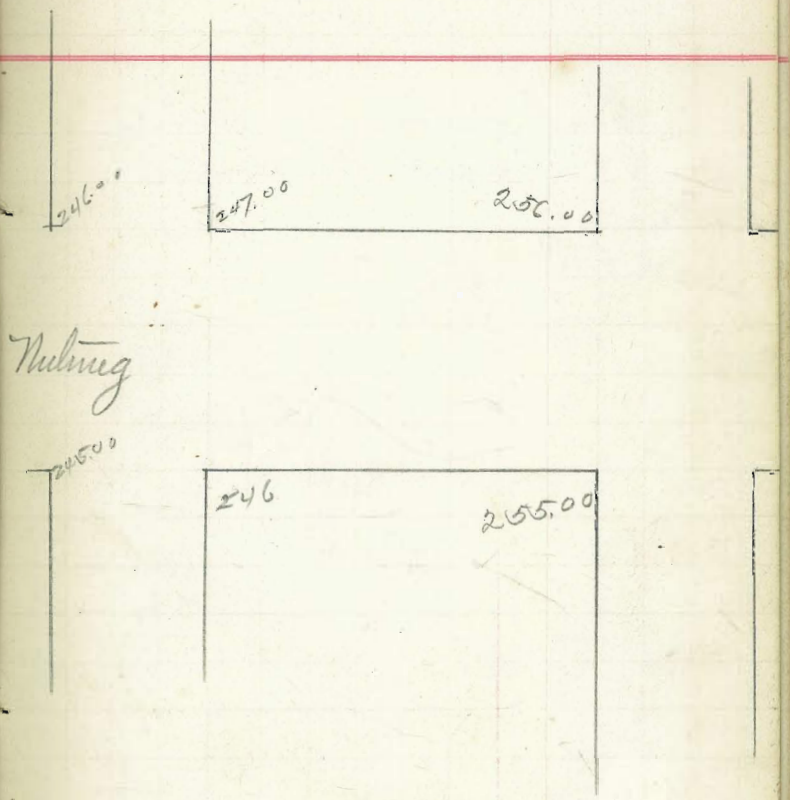
Grades to Lots 11-12 Blk 3

Middletown

38.15 B.M
182

39.97	39.97	39.97	39.97	39.97
35.00	33.33	31.66	30.00	31
4.97	6.64	8.31	9.97	8.97



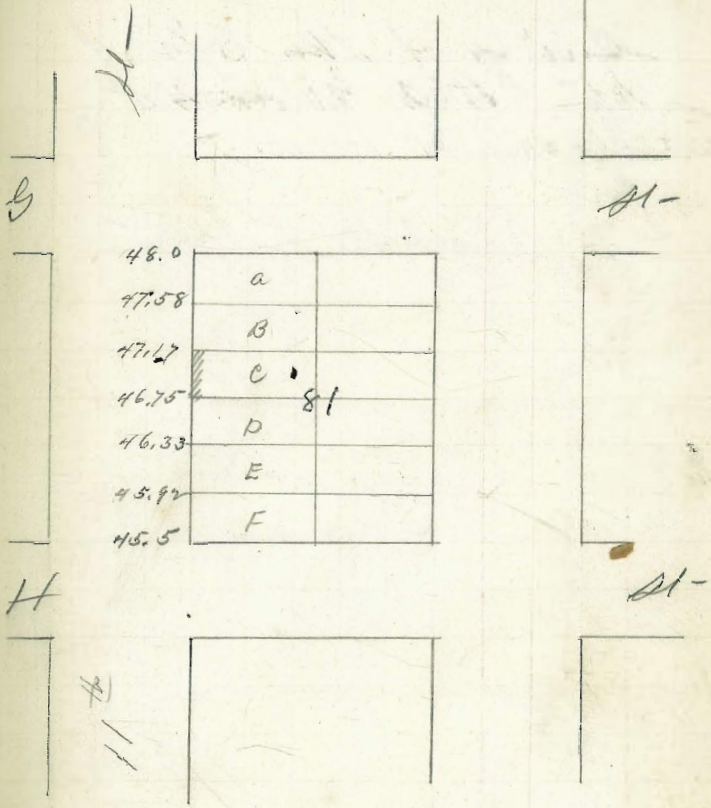

246.00
247.00
255.00
Nutmeg
246.00
246
255.00
Pond
Pond

December 29th 1896

Curb grades for lots
C & D. Block 81. Horton

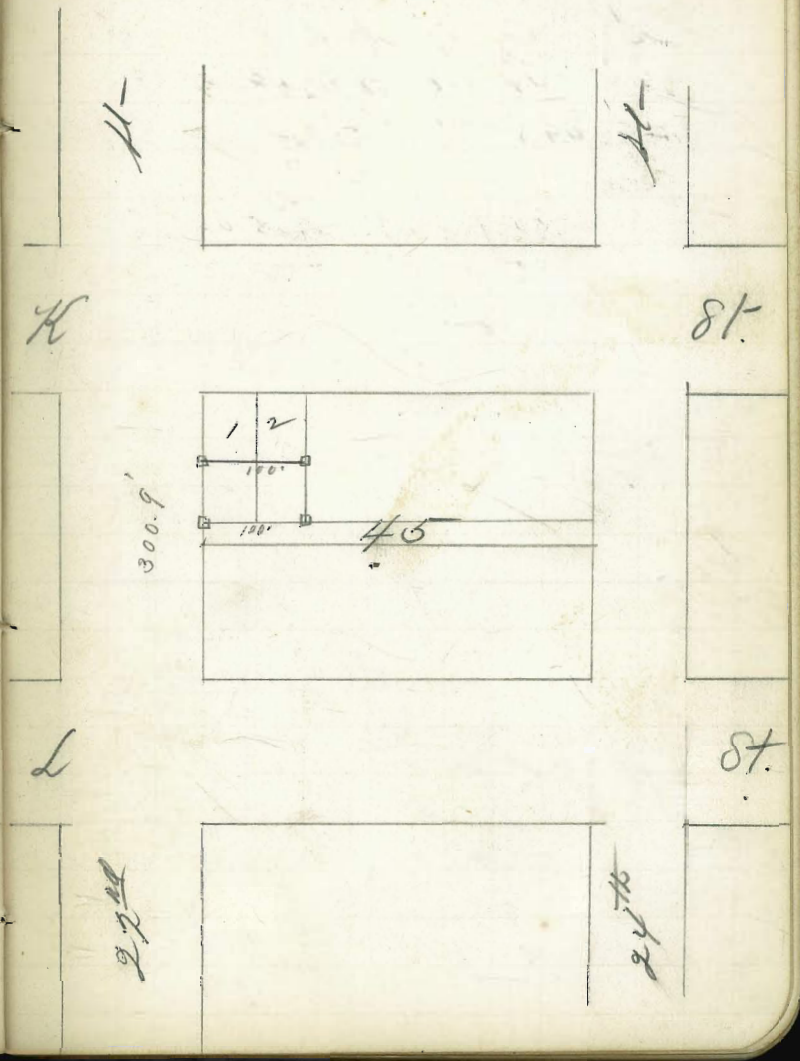
B. M. 50.06
1.55
51.61
47.17
4.44

51.61
46.75
4.86



December 29th 1896

Survey of the S ½ of
Lots 1 & 2 Block 48
Shumans Add.
for
Elizabeth Forbes.



99.75 B.M.
1073
110.48
105
5.48

110.48
105.50
4.98

110.48

110.48

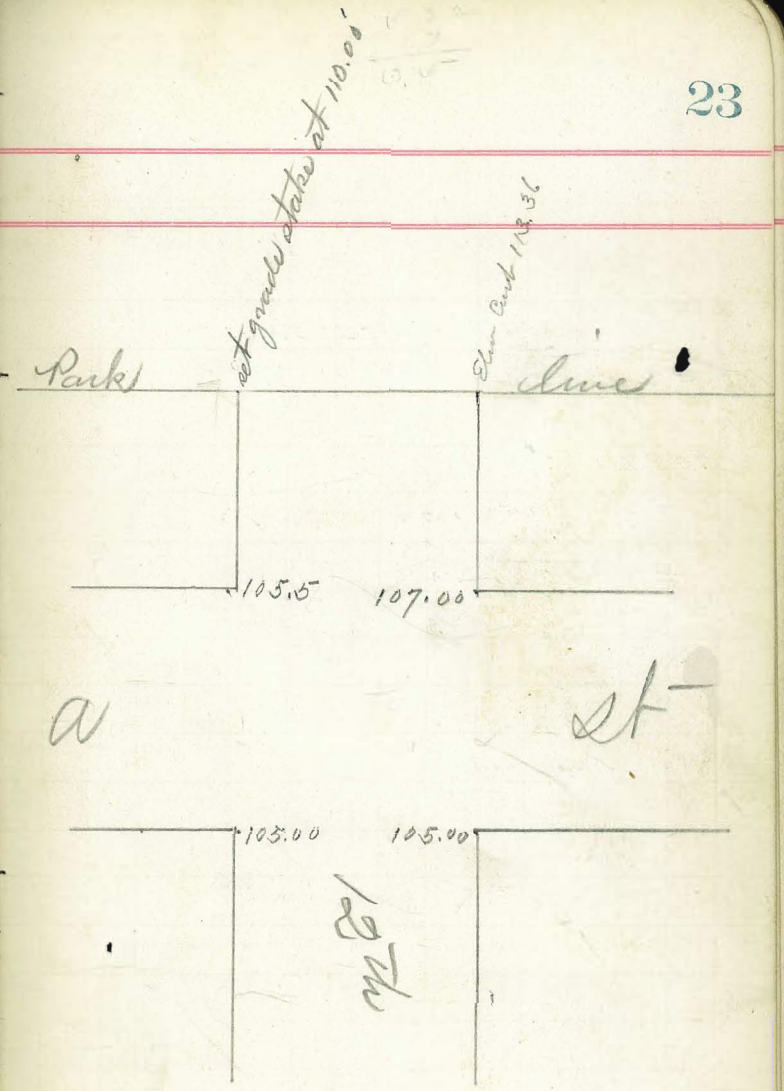
105.50
9.56
115.06
5.22
109.84

115.06
1.70
113.36

105.06
110
5.06

105

115.06
107
8.06
6.95
1.11



99.75 B.M.
1.17

100.92	100.92	100.92	100.92
88.50	92.50	90.50	96.50
12.42	8.42	10.42	4.42

90.50
7.74
98.24
88.50
9.74

98.24
94.50
3.74

Lot C

98.24
92.50
5.74

98.24
90.50
7.74

90.50
1.78
92.28
84.50
7.78

Lot B.

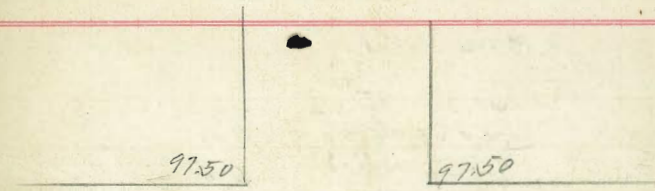
B.M. 99.75
0.63
100.38
92.50 check on S.
7.88

100.38
94.50
5.88

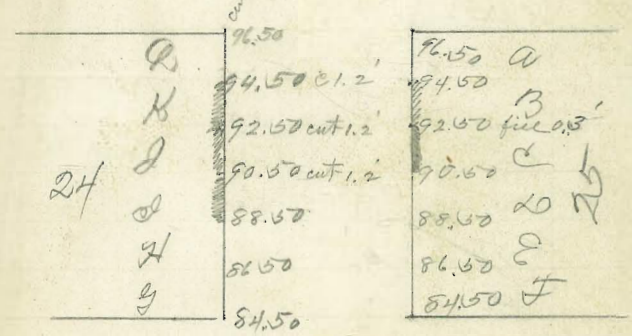
3.74
2.5
1.22

98.24
96.5
1.74

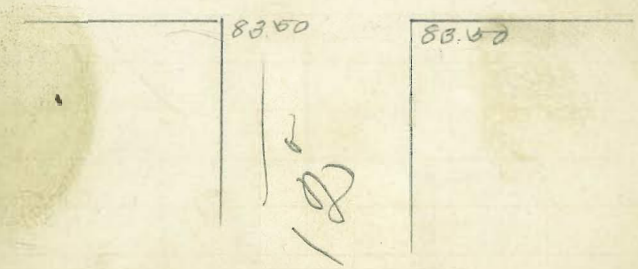
96.50
84.50
12.00



B



C



28.07 Bm D. State
5.76

28.77
2.58

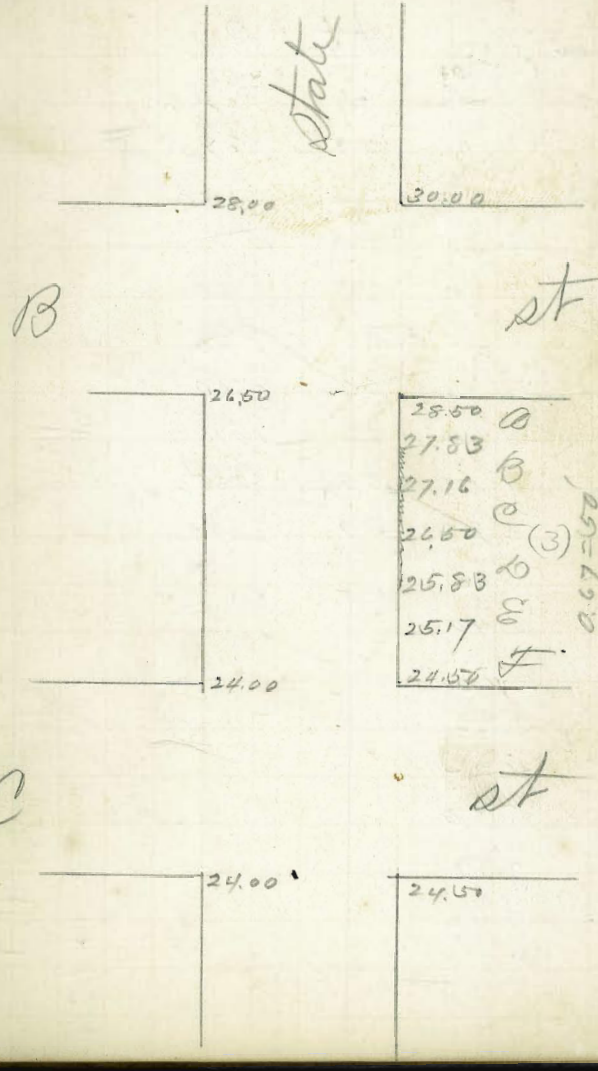
26.19 Bm Nozzle hyd Cor State-C
4.51

30.70 30.70 30.70 30.70 30.70
24.50 25.88 26.50 27.16 27.83
6.20 4.87 4.20 3.54 2.87

2.87
.67
3.54
.66
4.20
.67
4.87

28.77
24.60
4.27

666
6
3996



Cross Section of Lot A & N½ B. Blk 9 Hortons Add for Mr Kinney

67.66 B.M.
564
73.30

Station	Rod (73.30)	Station	Rod
1 x 6.90	69.8 3.50	21	65.1 8.20
2	72.3 1.00	22	66.6 6.70
3	71.7 1.60	23	67.9 5.40
4	71.0 2.30	24	68.2 5.10
5	71.7 1.60	25	66.4 6.90
6	72.5 0.80	26	66.1 7.20
7	67.4 5.90	27	65.2 8.10
8	68.7 4.60	28	63.3 10.00
9	69.3 4.00	29	62.8 10.50
10	70.4 2.90	30	63.9 9.40
11	71.5 1.80		
12	70.9 2.40		
13	70.2 3.10		
14	70.1 3.20		
15	69.1 4.20		
16	67.5 5.80		
17	66.2 7.10		
18	66.2 7.10		
19	64.4 8.90		
20	64.7 8.60		

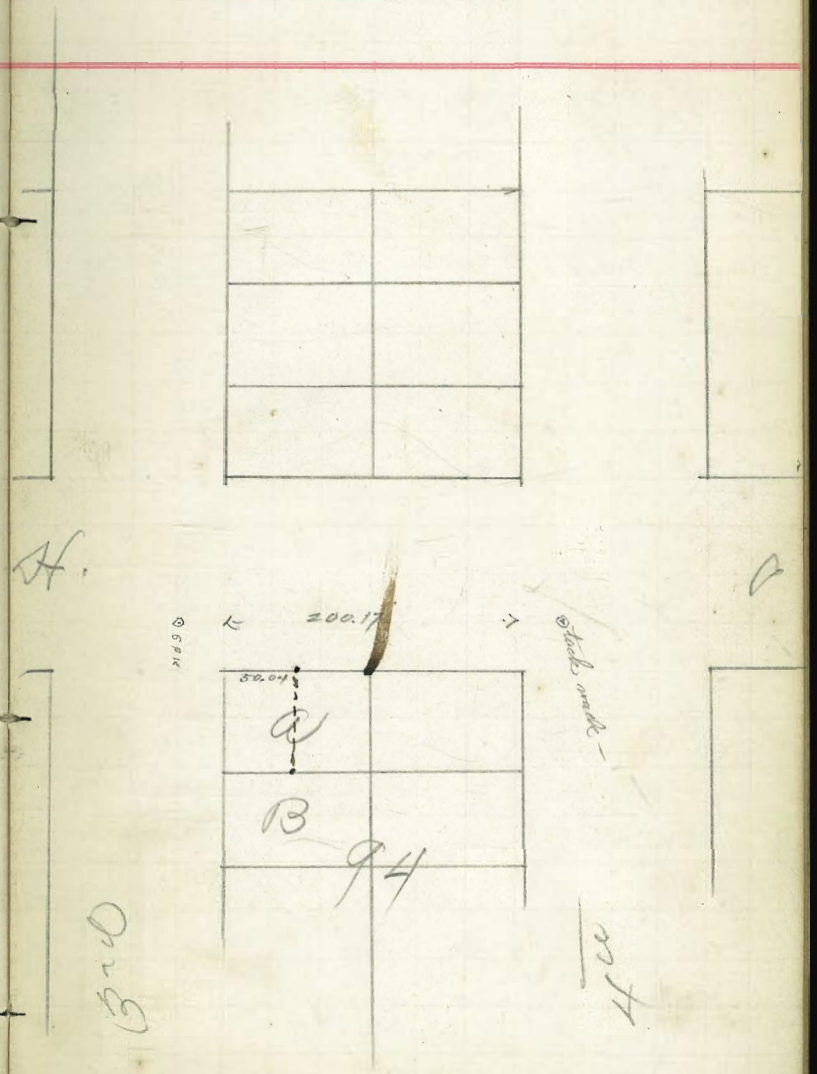
A

5th

4/200.17
50.4

John T Wright Jan 27-96

Set centre point Bet ~~Lots~~
~~A & B~~ Blk,
East & West half Lot A Blk
94 Horton
two points



Set Feb 17th-97

27.38 B.M. S.E. Cor Frist & E"
3.51

30.89	30.89	30.89	30.89	30.89
24.50	23.42	22.33	28.50	27.50
6.39	7.47	8.56	2.39	3.39

30.89	30.89	30.89	30.89
25.50	24.25	23.00	20.17
5.39	6.64	7.89	10.72

20.02 B.M Front & F. Mch 10th-97
3.46
23.48
18
5.48

Sink's Lots

27.38 B.M Cor Frist & E"
0.65

28.03	28.03	28.03
18.00	19.08	20.17
10.03	8.95	7.86

Check 32.69
2.80

35.49	35.49
28.50	27.50
6.99	7.99
+0.10	O.K.

Check 27.38
1.16

28.54	28.54	28.54
24.50	23.42	22.33
4.04	5.12	6.21
+0.03	O.K.	O.K.

Check

28.54	28.54	28.54
25.50	24.25	23.00
3.04	4.29	5.54
O.K.	O.K.	O.K.

Check

28.54	28.54	28.54
20.17	19.08	18.00
8.37	9.46	10.54
O.K.	O.K. -0.03	+0.10

30.89
2.28
28.61 = B.M. nozzle Hyd Front & E

		1st	St.	
		32.3	33.5	
D				St.
		31.50	33.00	
		30.50	31.93	
		29.50	30.83	
F	0.10 high	28.50	29.75	40
	I O.K.	27.50	28.67	
		26.50	27.58	
		25.50	26.50	
E				St.
		24.50	25.50	
	L.	23.42	24.25	a
	K	22.33	23.00	B
E		21.25	21.75	65
		20.17	20.50	
	H Sinks	19.08	19.25	
	G	18.00	18.00	
F				St.

19.08 B.M. Front - G"
208
21.16
6.55
14.61
5.80

Mch 2nd - 97

20.41	20.41	20.41	20.41	20.41
15.33	15.54	16.17	16.58	
5.08	4.87	4.24	3.83	

14.61
3.29

17.90	17.90	17.90	17.90	17.90
11.50	11.83	12.17	12.50	12.83
6.40	6.07	5.73	5.40	5.07

Check 2.80
3.269
35.49 35.49

check
18.00
2.70
20.70 20.70
16.58 16.17
4.12 4.53
+0.04 OK.

check
20.70 20.70
15.54 15.33
5.16 5.37
OK OK

13.60
4.51
18.11 18.11 18.11
11.50 11.83 12.17
6.61 6.28 5.94
OK OK OK

Check
18.11 18.11
12.50 12.83
5.61 5.28

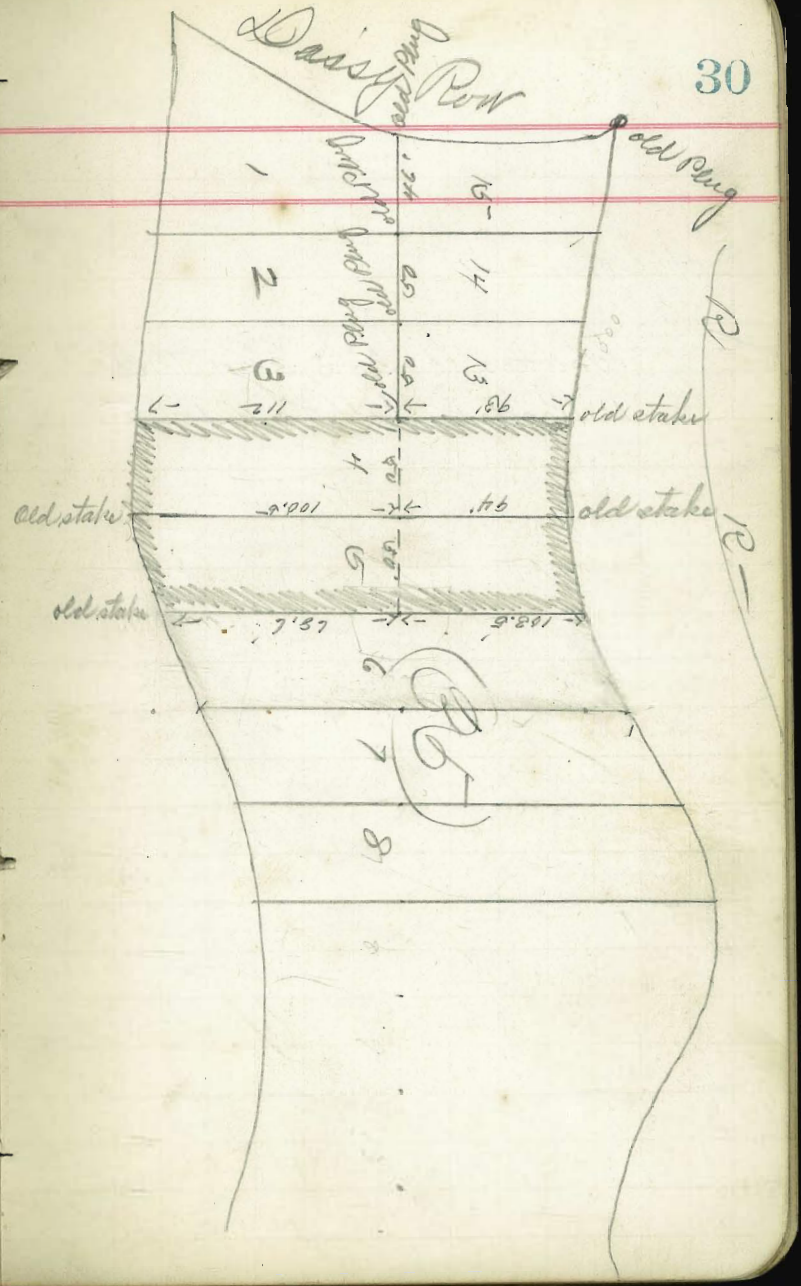
Checked Mch 22nd 1897

		18.00	18.00	
F				St.
		17.00	17.00	
	L	16.58	16.42	
	K	16.17	15.83	
D	J	15.75	15.25	66
	I	15.54 / 15.33	14.67	
	H	14.92	14.08	
	G	14.50	13.50	
G				St.
		14.50	13.50	
		14.08	13.17	A
		13.67	12.83	B
C		13.25	12.50	C 91
		12.83	12.17	D
		12.42	11.83	E
		12.00	11.50	F
H				St.
		12.00	11.50	

Mr Scripps

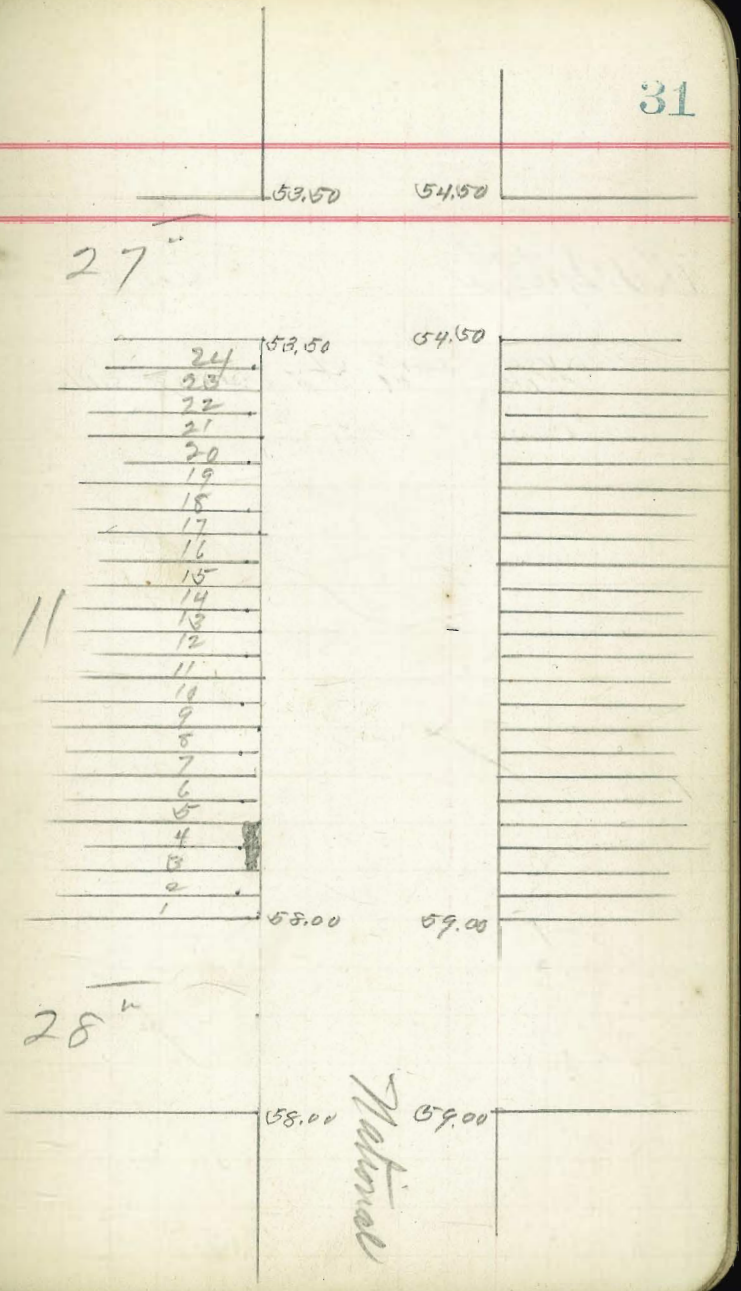
Survey lots 4 & 5 Blk 63

La Jolla



Rockefellow —

Grades to Lots 3-4 Blk 11 Reed-Hubbels addition



24) 1.000 .042
96 5
40 .210

.042
5
.126

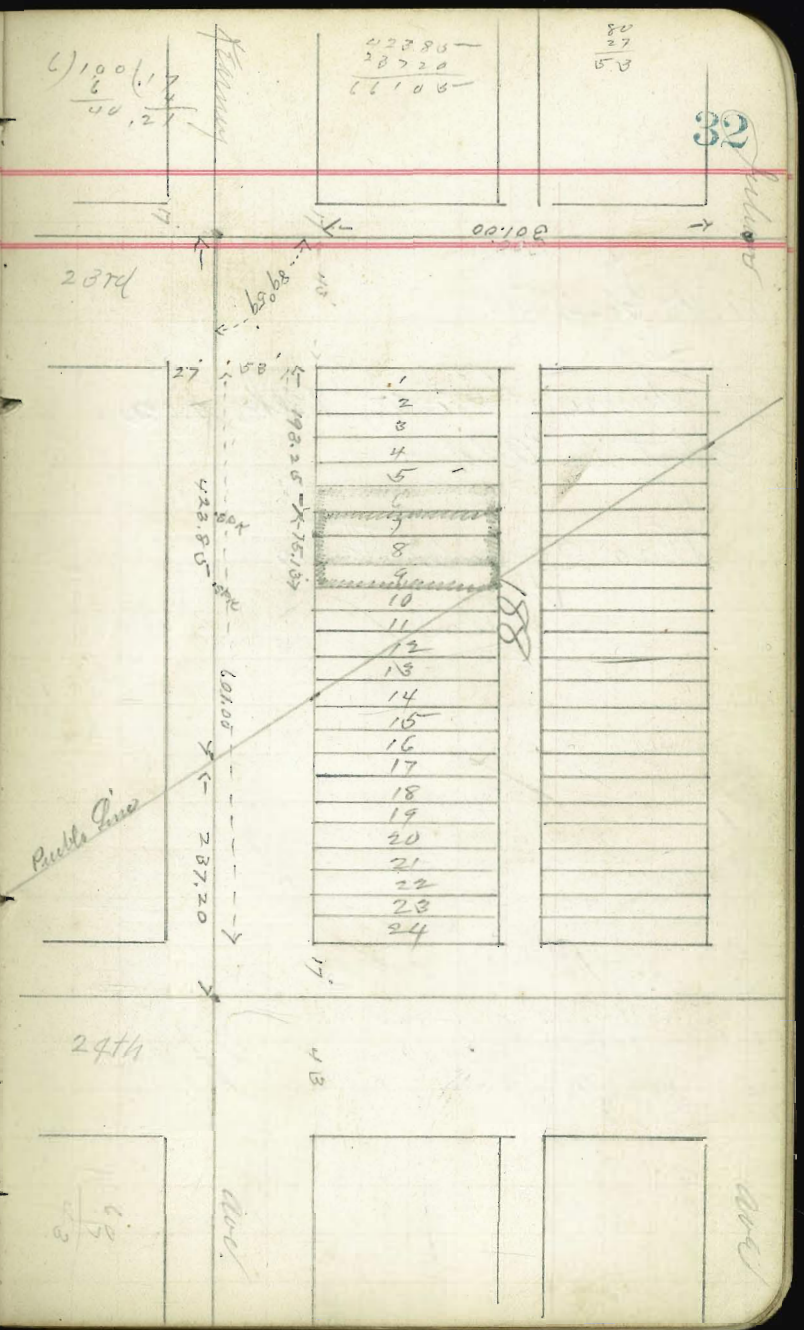
125.21
43
168.21
25
193.

Mr Smith Feb 3rd 97

Survey Lots 7-8-9 Blk 188 M. S. Add.

Capps, Williams & Rumsey —

worden plugs at all corners —



T. P. Griffith

Survey of Lot "K" Blk 202
~~Hortons Add~~ -

Also 2 grade stakes

122.36 B.M.
0.63
122.99 122.99
111.67
111.32
2.99

114.31	114.31	114.31	114.31	114.31
3.00	5.25	11.00	9.90	11.93
top stake 111.31 N E Cor	109.06 S.E	103.31 SW	104.41 NW	102.38
				3.34
				105.72
				4.90
				100.82

112.30
111.31
0.99 fill

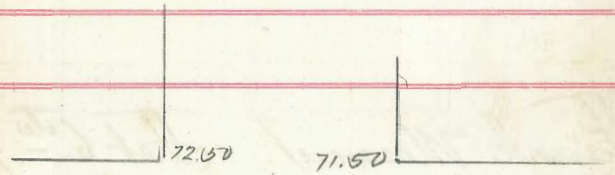
110.10
109.06
1.04 fill

6)40(7 0,7
42

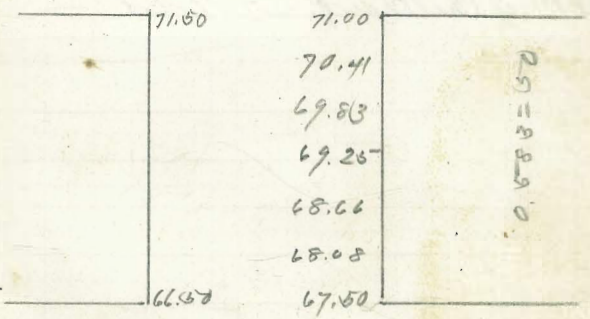
78.36 B m
158

75.94	75.94	75.94
71.00	70.41	69.83
4.94	5.53	6.11
4.84	5.33	5.92
.10	.20	.19

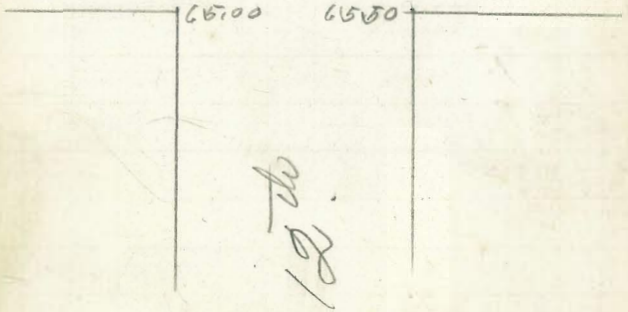
Ord No 184 = SE Cor 12-40 = 71.00 Jan 1888
" " 286 = SE 12-40 = 71.00 Oct 1888



20



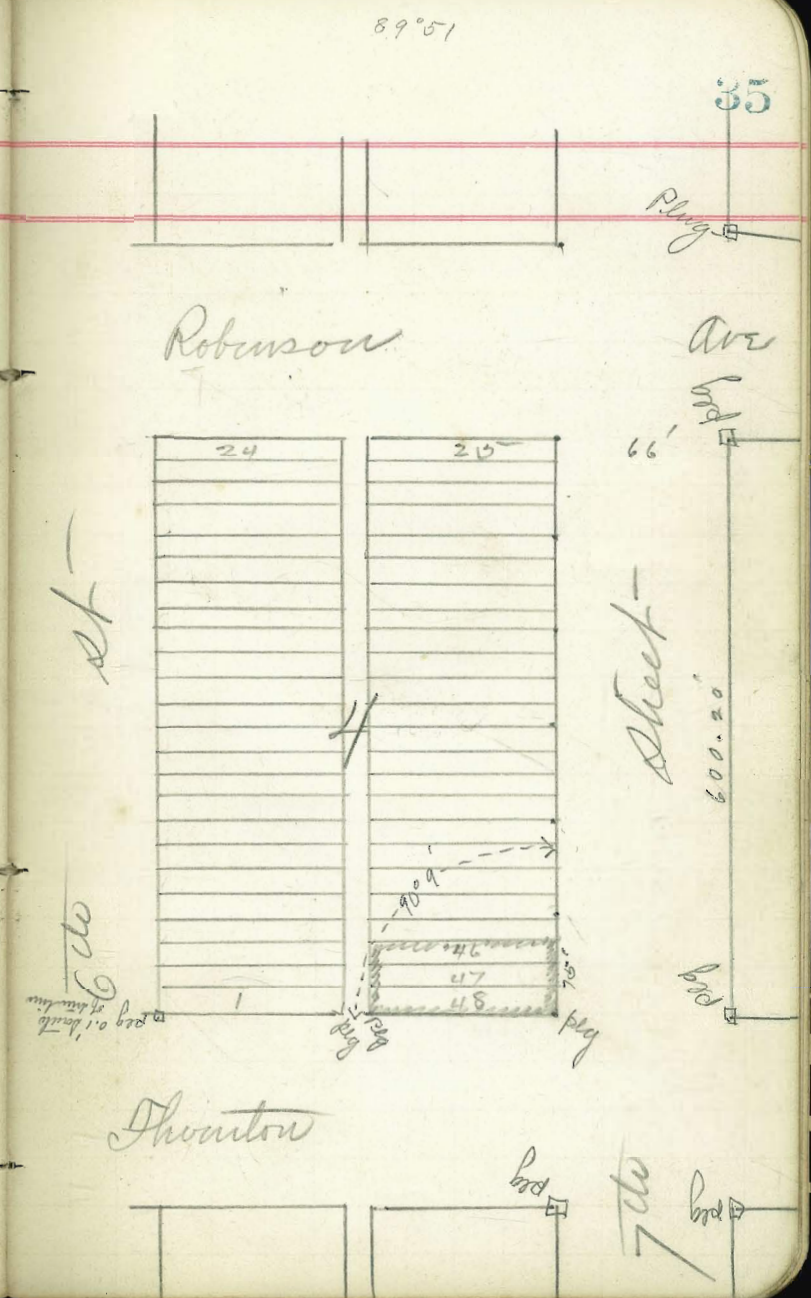
19



Frank Messner Feb 6th 97

Survey of Lots 46-47-48

Blk 4 Crittenden's add —

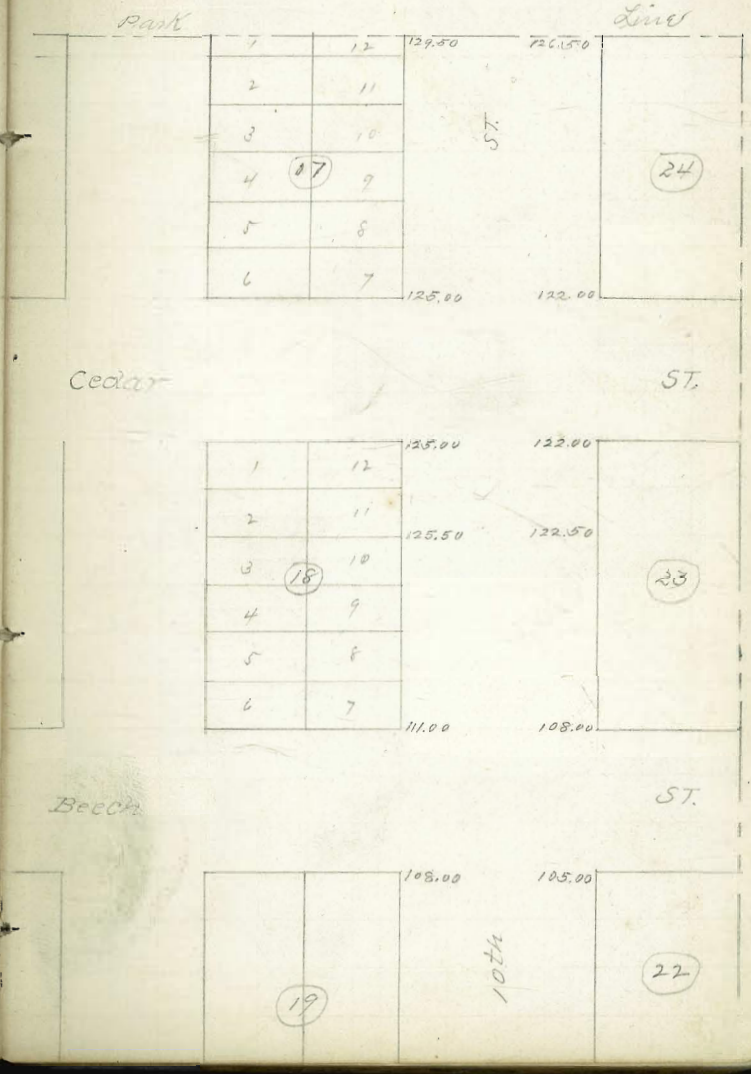


121.98 BM
52 B

127.21 127.21 127.21
122.00 122.50
5.21 4.71

4.71
15
6.21
3.2

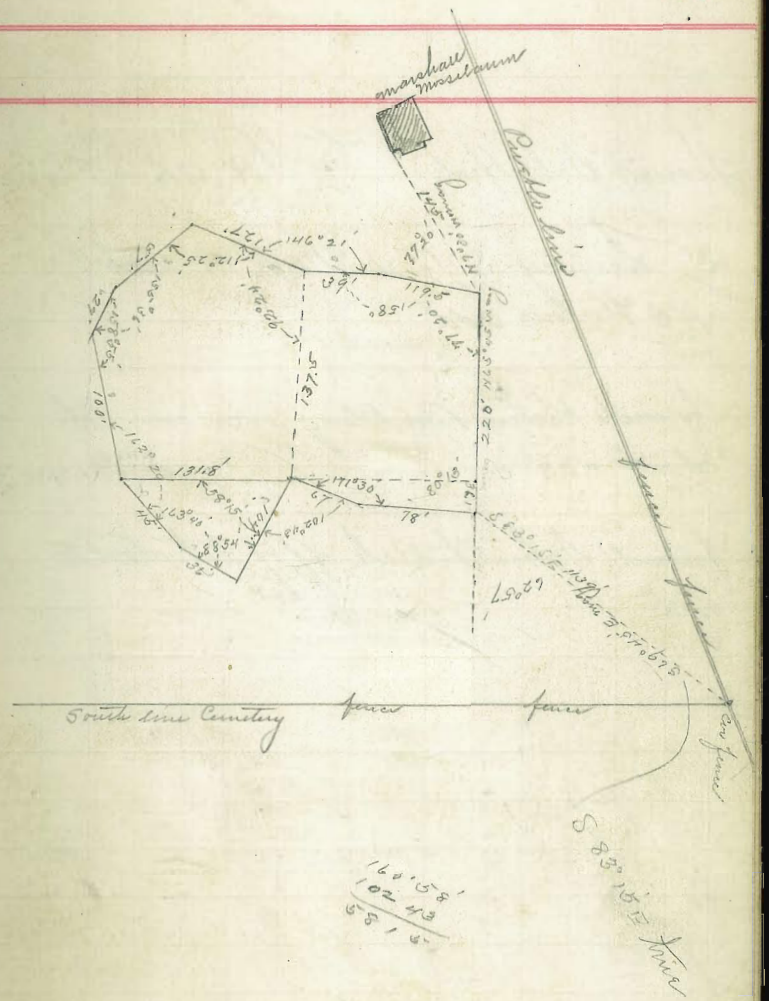
4.71
5.21
9.92
4.96



Capps 1897—

Course No	mag	Dist	True Bearing
1	N 6°45'W	220'	S 20°18'E
2	S 87°5'W	78'	S 79°29'W
3	N 78°30'W	67'	S 87°53'W
4	S 24°W	104'	S 10°42'W
5	N 65°W	36'	N 78°12'W
6	N 46°20'W	46'	N 61°52'W
	N	131.8'	S 68°57'W
7	N 30°50'W	61.50	N 44°21'W
8	N 10°W	27	N 23°16'W
9	N 14°30'E	54.	N 8°44'W
10	N 82°E	137'	N 68°48'E
11	N 48°30'E	89'	N 36°04'E
12	N 70°30'E	119.50	N 57°04'E
1	S 6°45'E	220'± 1	

N 73°W mag

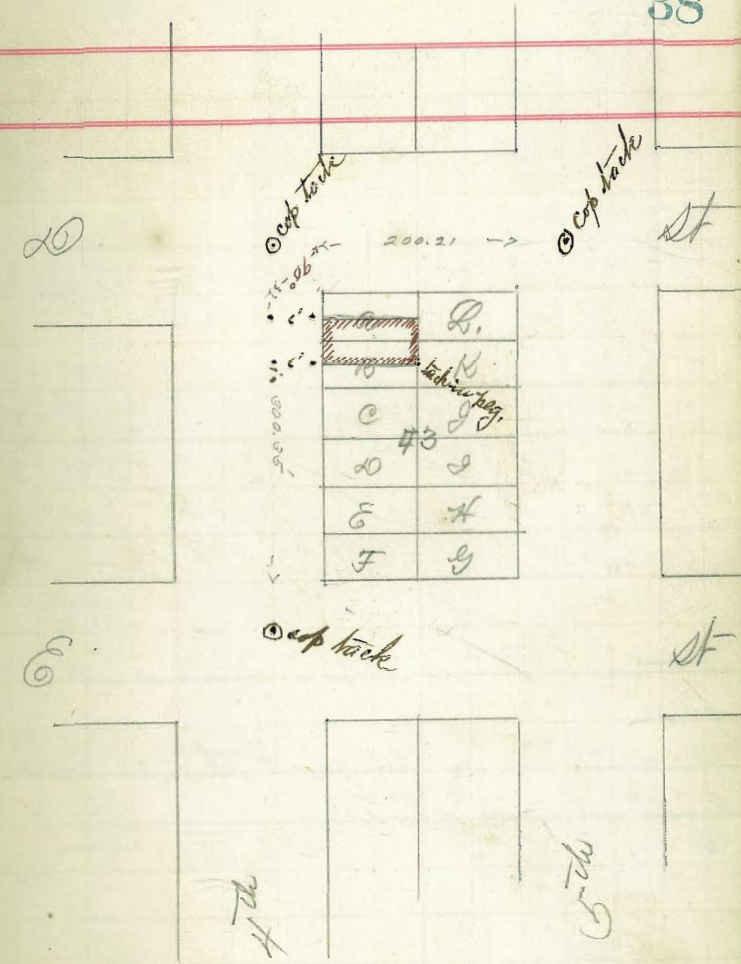


Henry Schaffer. Feb 25-97

Survey S 1/2 A & N 1/2 B. Blk
43 Hortons add

found Kuhn Building over on lot
about 0.03'

found Schmit Blk off of lot about
0.08'



46.59 B.M.
128
47.87

~~46.~~

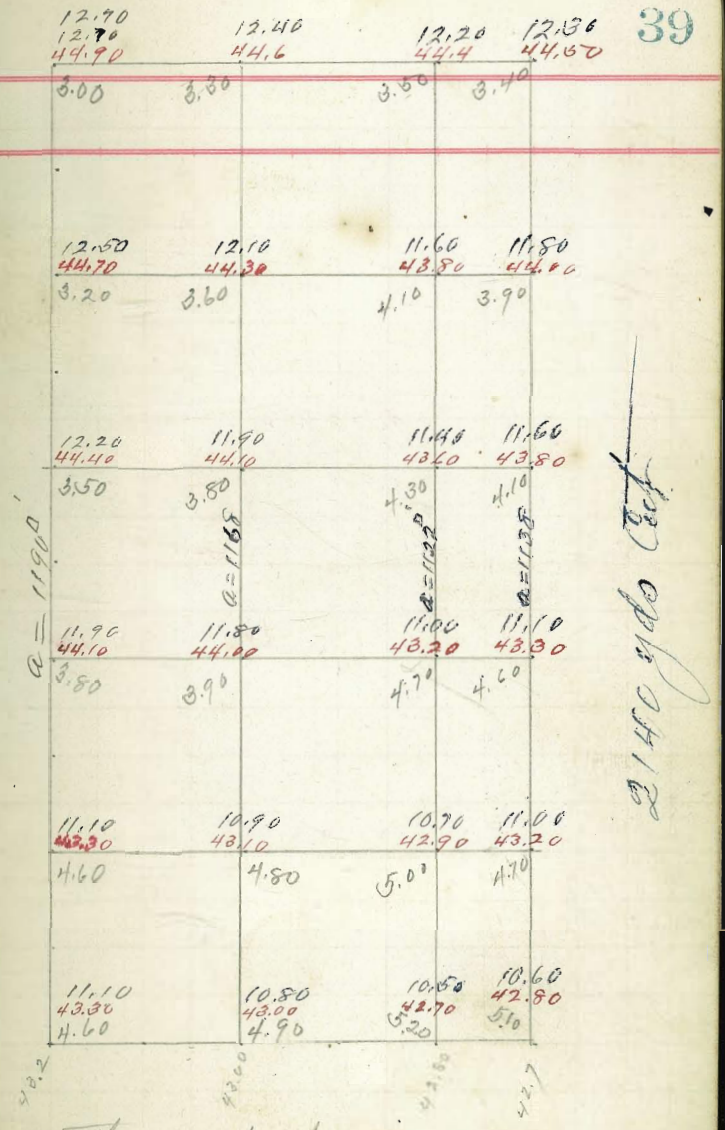
47.90	47.90	47.90	47.90	47.90	47.90	47.90	47.90
460	490	520	510	460	480	500	470
43.30	43.00	42.70	42.81	43.30	43.10	42.90	43.20

47.90	47.90	47.90	47.90	47.90	47.90	47.90	47.90
380	390	470	460	350	380	430	410
44.10	44.00	43.20	43.30	44.40	44.10	43.60	43.80

47.90	47.90	47.90	47.90	47.90	47.90	47.90	47.90
320	360	410	390	300	330	350	340
44.70	44.30	43.80	44.00	44.90	44.60	44.40	44.60

Elevation of Bottom Cellar is figured at 32.20

The depth of Cellar is figured at 11.38' below highest sidewalk grade



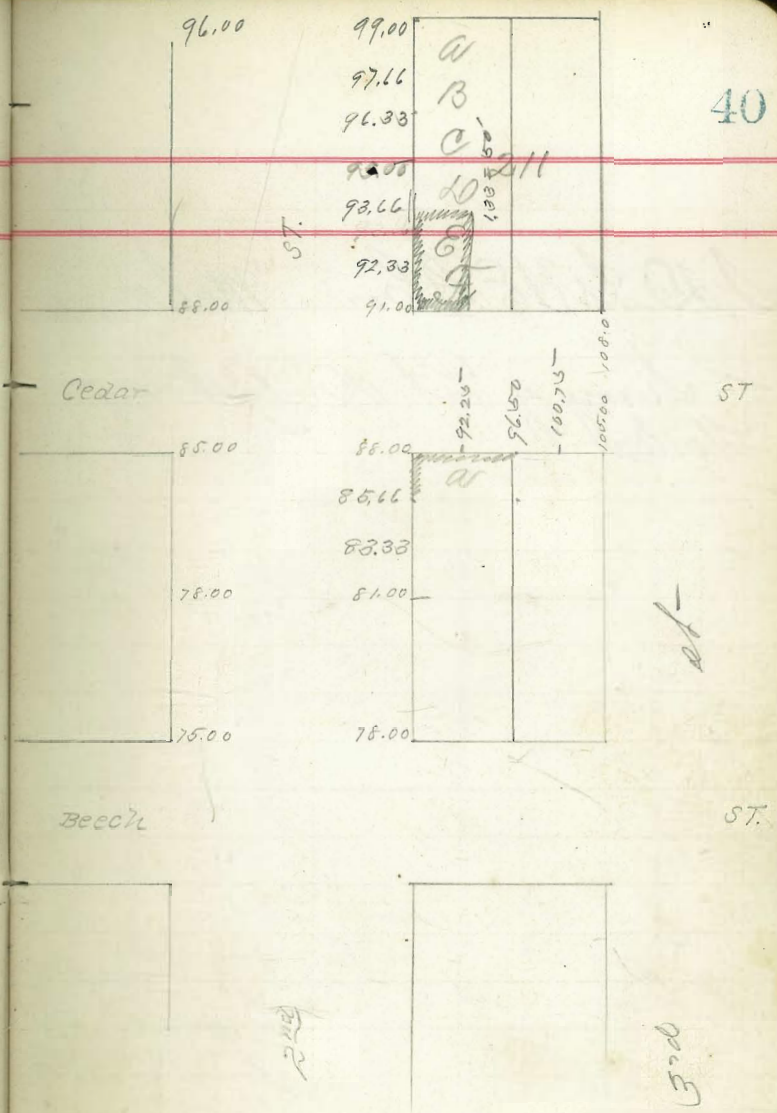
91.78
1.90
93.68

93.68	93.68	93.68	93.68	93.68
88.00	85.66	92.25	1.43	
5.68	8.02	1.43	92.25	
			11.42	
			103.67	
			96.50	
			7.17	

91.78 B.M.
5.26

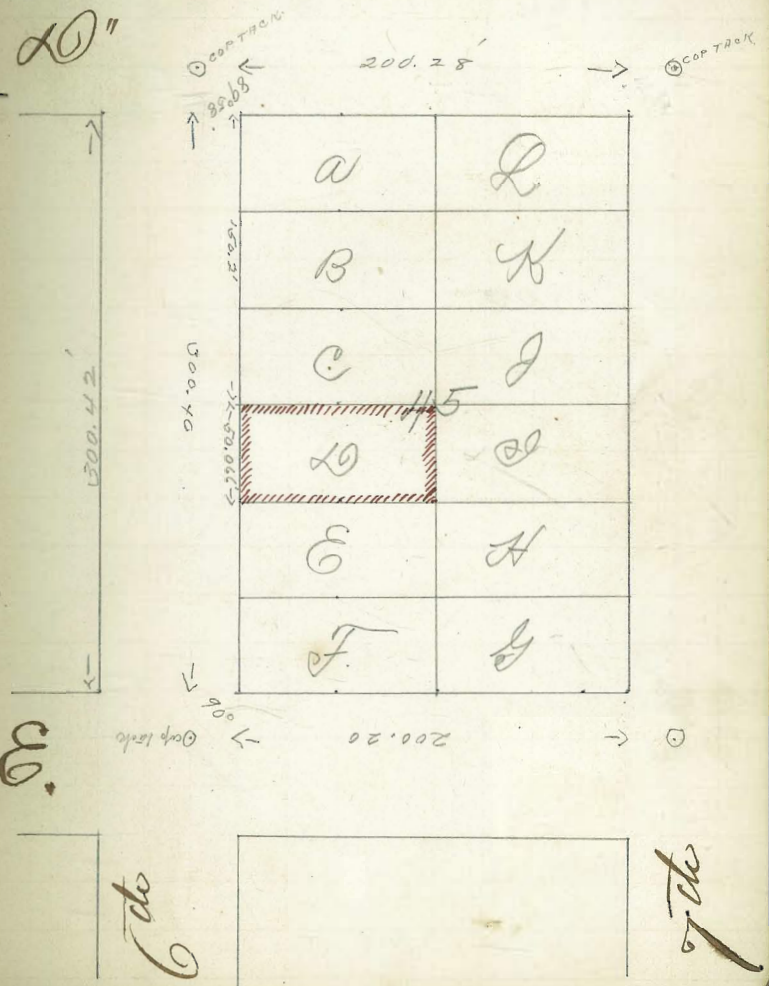
97.04	97.04	97.04	97.04
91.00	92.33	93.66	96.33
6.04	4.71	3.38	0.71

97.04
5.12
91.92 Elev Curb (Old)
91.00
.92 curb high



S. D. S. & E. R. Co. Mch 8-97

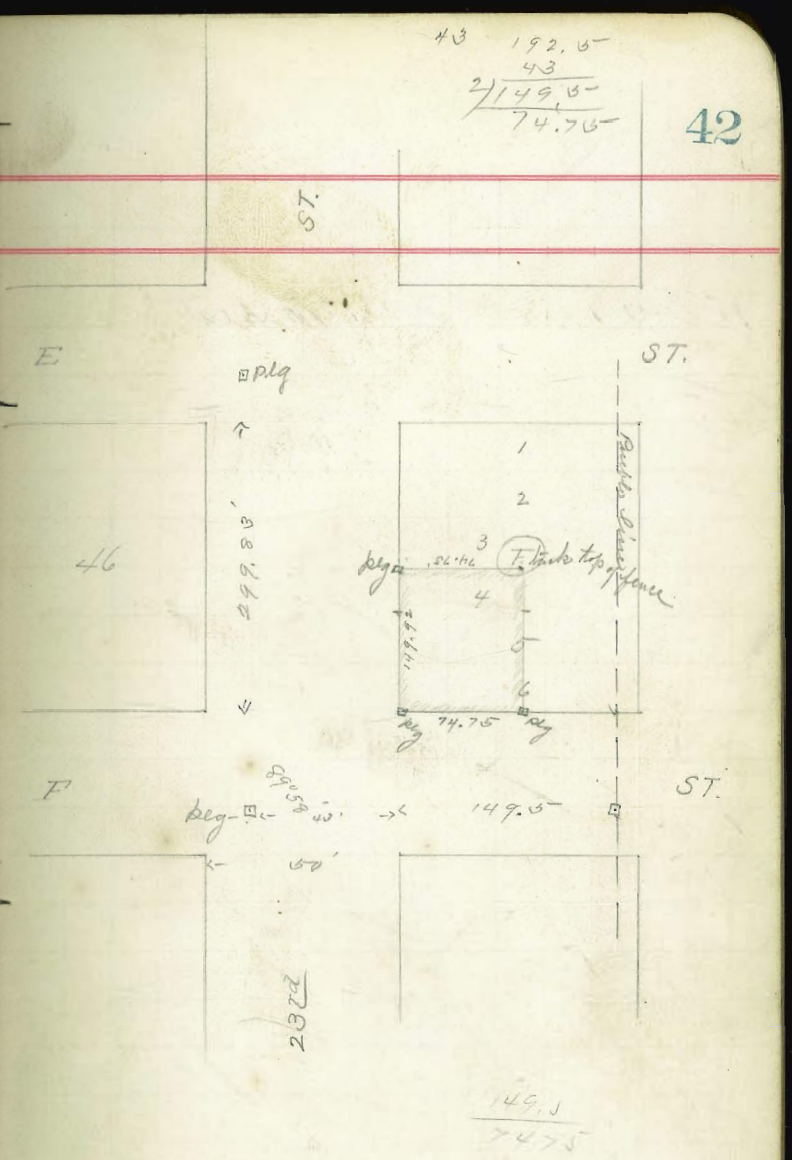
Survey of Lot 20" Blk 46
Horton's



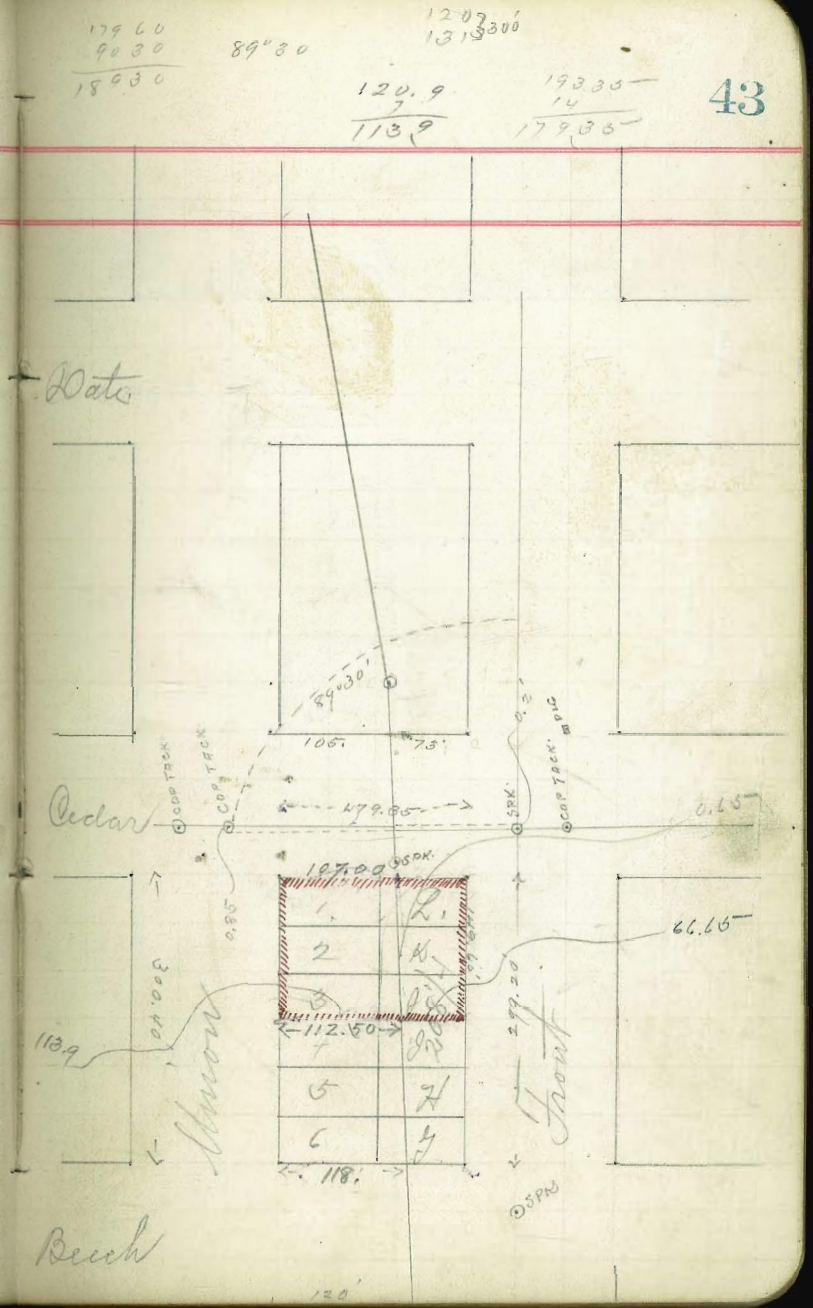
Mr Gillen Mch 9th 1897

Survey Lots 4-5-6 Blk F"
Automobiles - Taggarts

Order No 822



Mr Palmer Order 830



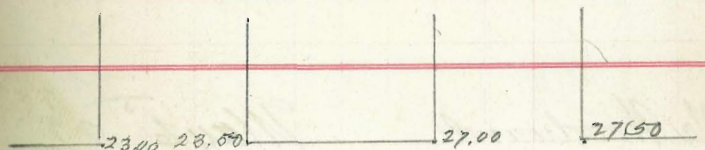
Clark. Rockefeller & Co Apr 30-97

16,14 B. M

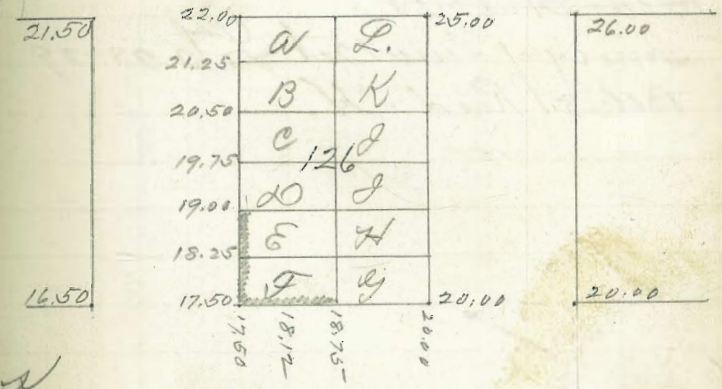
5.64

21,78	21,78	21,78	21,78
19.00	18,25	17.50	
2,78	3,53	4,28	

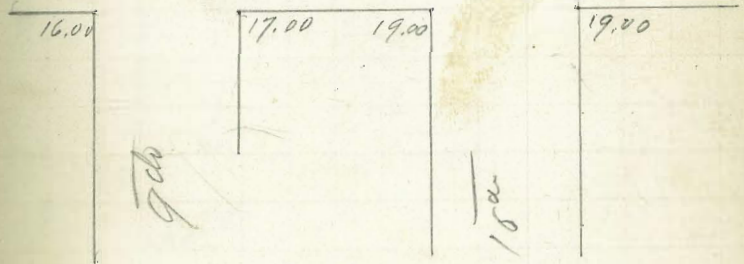
21.78	21.78	21.78
17.50	18.12	18.75
4.28	3.66	3.03



J

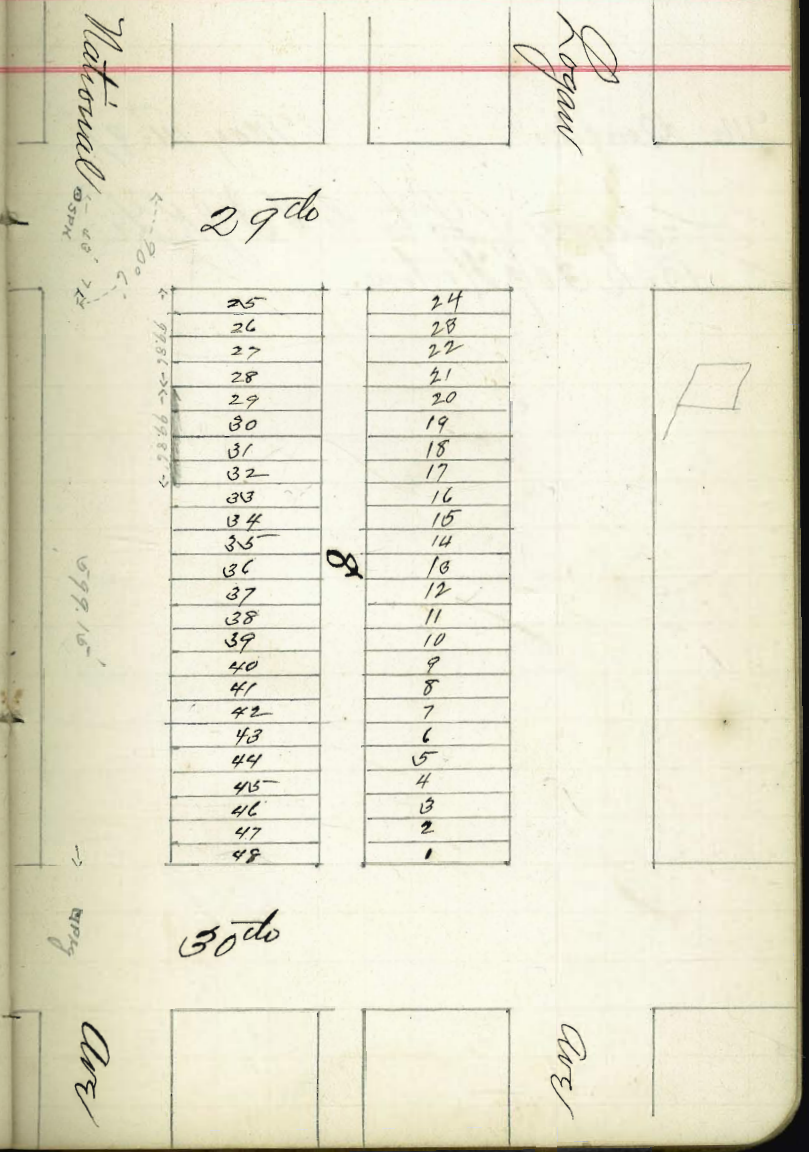


K.



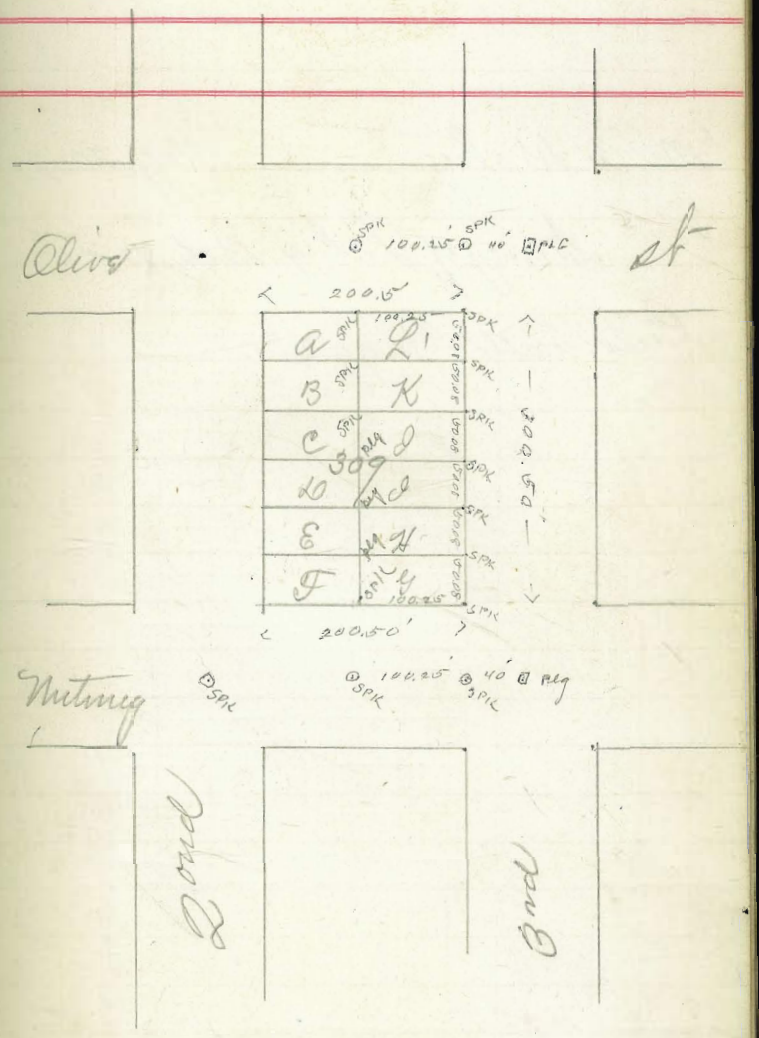
Mr Woodward May 6. 97

~~Survey of Lots Bek~~
~~Reed Hubbles~~
Survey of line Bet Lts 28-29
Beks & Reed-H.



Mr Douglas May 14th 97

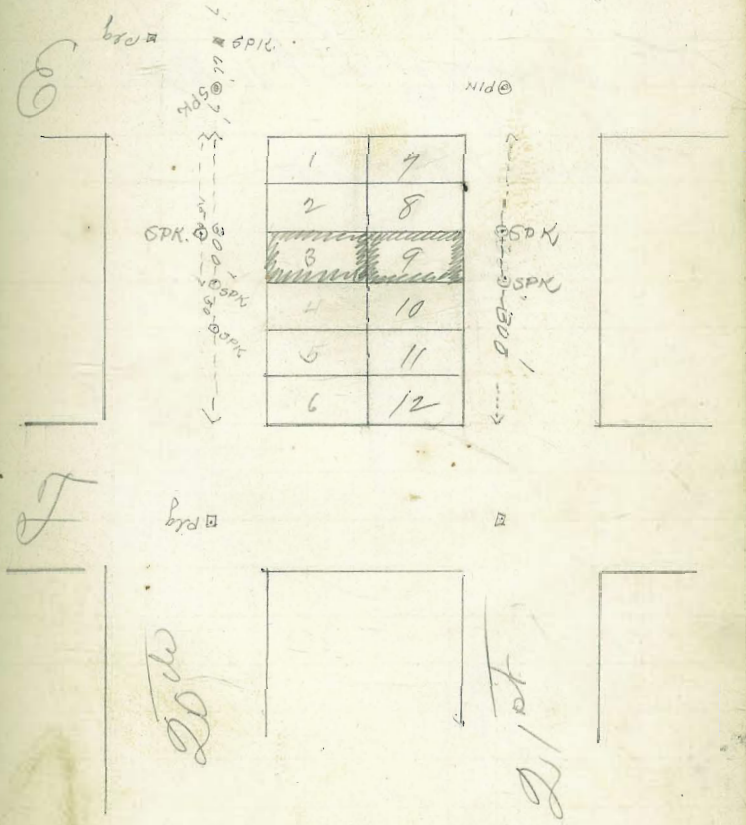
Survey of Lots G H I J K L.
Block 69 Horton.



M A Risley May 20-97

Survey of Lot 9 Blk 48

Culverwell-Taggarts.

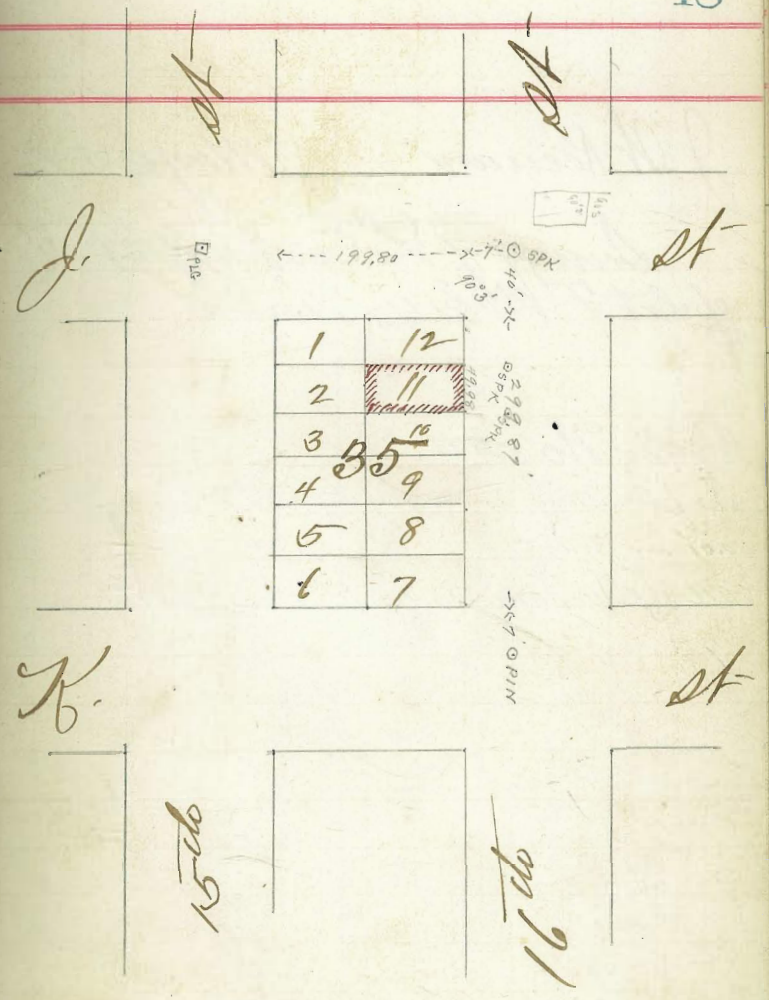


M. Capt Sherman May 25-97

Survey of Lot 11 Blk 35

Sherman Addition

37.19
2.12
39.31 39.31



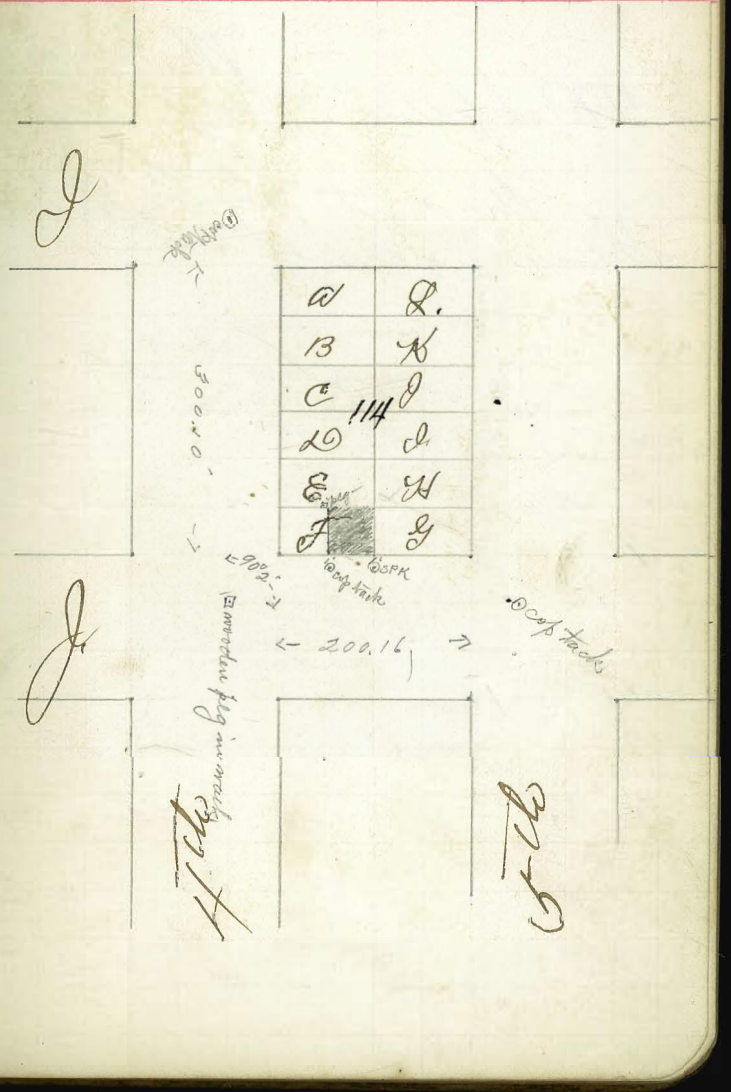
J. H. Keenan May 25-97

Survey of ~~Lot~~ East 40 feet of lot 7 Blk 114 Horton

Order No 8444

Turf building is on property 0.28' at rear & 0.01' in front

all of Sherman Building is clear of lot



May 29-97

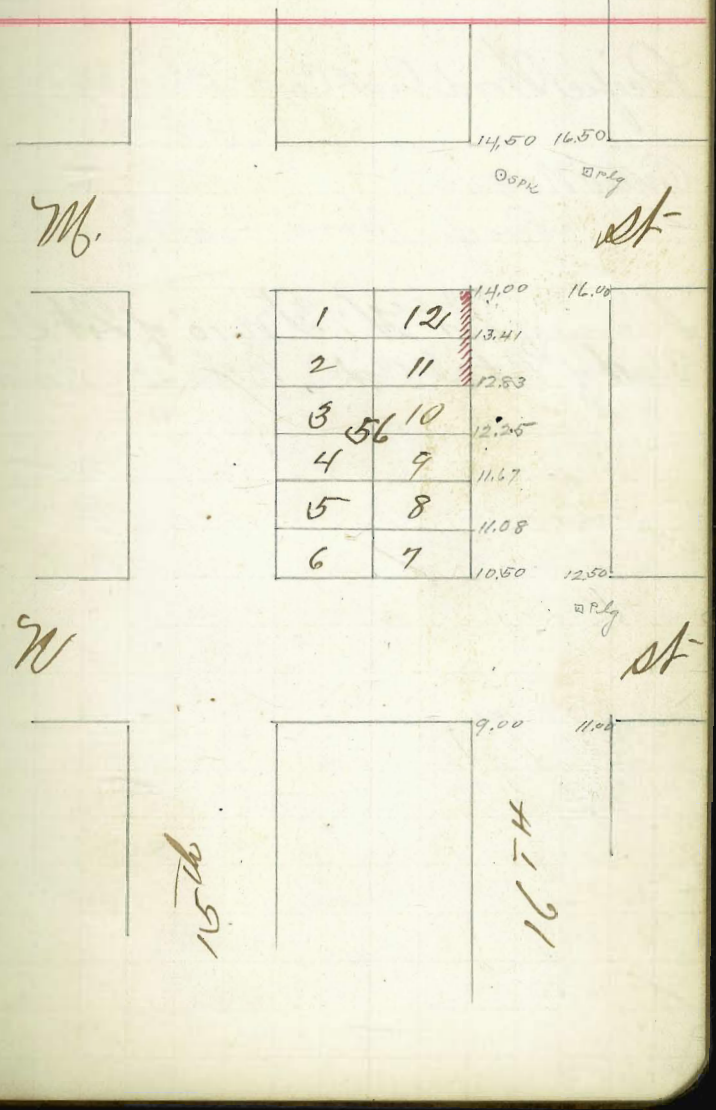
E F Rockefellow

Grades to 11-12 Blk 56
Sherman's Add

18.14 B M
2.78

20.87	20.87	20.87	20.87
14.00	13.41	12.83	
6.87	7.46	8.04	

20.87
16
5.87



Pacific Wood Coal Co - May 29-97

Order No 845

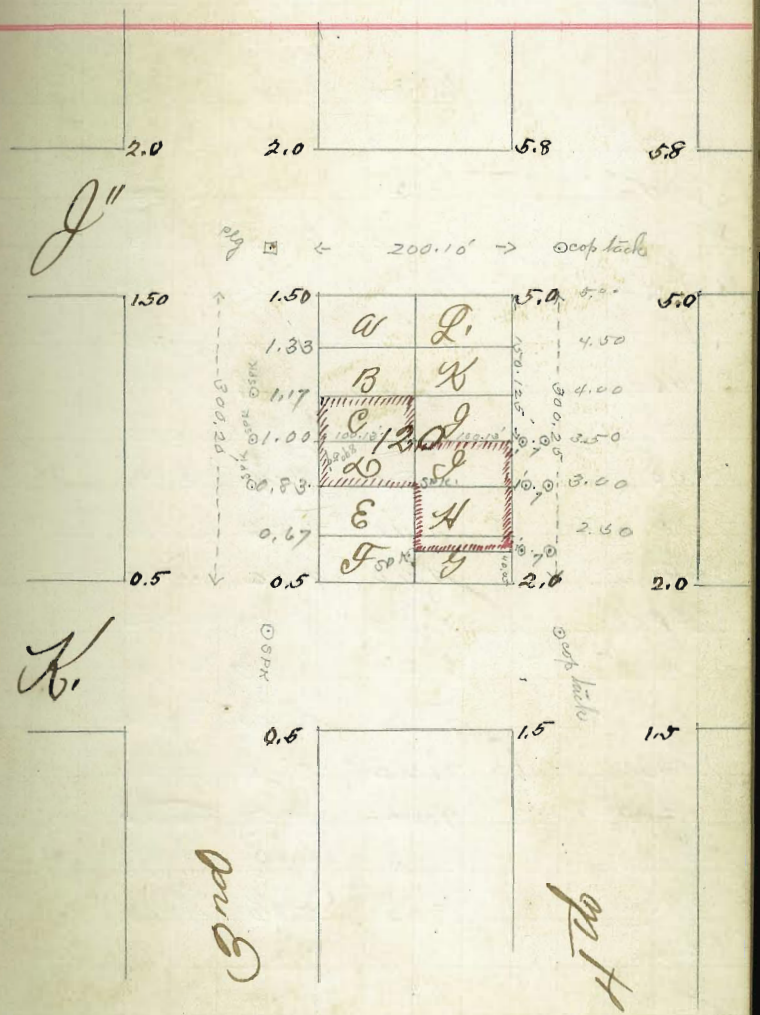
Pacific Wood-Coal Co.

Survey of Lot H & N 10' of Lot G & all of Lot I. C. D. Blk 120 Hortons

Set spike 1 ft in street at SW Cor Lot D -
Set spike at N.W. S.W. S.E. N.E. Cor's of Lot C.
Set Lead-Cop tack on 7' & 1' line at Cor of Lots G. H. I.

6.18 B.M.
2.64

8.82	8.82	8.82
0.83	1.91	3.00
7.99	6.91	5.82



Cross Section of Brewery Road from Main St (on 32nd St)

June 4 - 1897

Station	East 25	East 12	Culv	12' West	West 25
			(100.13)		
XXX			(43.40)		
		40.90	41.10	41.50	
0+0		2.50	2.30	1.90	
		41.40	42.30	42.90	
50		2.00	1.10	0.50	
		39.20	39.90	41.10	
1+00		4.20	3.50	2.30	
		36.90	37.20	37.90	
50		6.50	6.20	5.50	
		35.70	31.10	36.50	
2+00		7.70	7.30	6.90	
		34.30	34.70	34.70	
50		9.10	8.70	8.70	
		32.90	33.40	33.50	
3+00		10.50	10.00	9.90	
		31.70	32.10	32.40	
50		11.70	11.30	11.00	
		30.50	(31.03)	31.20	
4+00		3.80	(34.30)	3.10	
			31.78		
50		29.90	30.50	30.60	
		4.40	3.80	3.70	
		29.40	29.70	29.70	
5+00		4.90	4.60	4.60	
		28.80	28.80	28.70	
50		5.50	5.50	5.60	
		28.10	27.80	27.70	
6+00		6.20	6.50	6.60	
		27.20	26.90	26.40	
50		7.10	7.40	7.90	
		27.30	26.20	24.70	
7+00		7.00	8.10	9.60	
+25		24.80	23.80	22.30	
		9.50	10.50	12.00	
		16.12	(18.82)	15.72	
4+42		8.30	(24.43)	8.70	
			8.00		
+73		-1.3	(5.06)	-0.9	
		5.00	3.74	4.60	
			4.80		
8+00			-3.30		
			7.00		
9+00			-3.50		
			7.20		
10+00			-3.70		
			7.40		

5+XXX Rod on grade of Main = 2.3470

50+0 = South side of Cut on Main St

60.47
5.30
55.17 high tide

3.74
5.30 -
1.56 - high tide

43.27
0.13
43.40
11.35 -
32.05
2.25
34.30
10.70
23.60
0.82
24.42
11.16
13.26
0.26
13.52
10.47
3.05
0.69
3.74
1.61
2.13 = T.P. on land near Brewery.

57+42 = 10' East of N.E. Cor 1166.

assumed → 100.00 BM = 43.27
0.13
100.13
11.35 -
88.78
2.25 -
91.03
10.70
80.33
0.82
81.15 -
11.16
69.99
0.26
70.25 -
10.47
59.78
0.69
60.47
1.61
58.86 T.P. on Bank near Brewery

	East	12'	Centre	12'	West
			-3.60		
11+00			7.30		
			-3.80		
12+00			7.50		
			-3.60		
13+00			7.60		
			-6.30		
13+50			10.00		
			-4.40		
14+10			8.10		
			-3.60		
15+00			7.80		
			-3.50		
A +14,5			7.20		
			-3.80		
16+00			7.50		
			-3.90		
17+00			7.60		
			-4.40		
18+00			8.10		
			-3.70		
19+00			7.40		
			-3.70		
20+00			7.40		
			-3.60		
21+00			7.30		
		1.40	2.30	1.90	
+22		12.00	13.40	11.50	
		4.70	3.60	3.80	
22+00		8.70	9.80	9.60	
		5.00	4.50	4.50	
+40		8.40	8.90	8.90	
			7.60		
+54			5.80		
		6.00	5.40	5.60	
+67		7.40	8.00	7.80	
		7.10	7.60	7.40	
23+00		6.30	5.80	6.00	
		10.30	9.50	8.80	
50		3.10	3.90	4.60	
		12.80	12.40	11.10	
24+00		0.60	1.00	2.30	

2.18	58.86
11.27	11.27
13.40	70.13
0.09	0.09
13.31	70.04

North Bank Slough -

South Bank Slough

70.13
5.60
64.53 outside R.R. Rail

70.13
13.40
5.60
7.80 on R.R. Rail

+54 Centre R.R.

	East	12'	Center	12'	West
			(75.74)		
00		14.70	(19.01)	13.90	
		4.30	4.60	5.10	
		15.40	14.70	14.10	
25+00		3.60	4.30	4.90	
50		15.40	14.70	14.10	
		3.60	4.30	4.90	
		14.50	14.10	13.70	
26+00		4.50	4.90	5.30	
50		14.10	13.80	13.60	
		4.90	5.20	5.40	
		14.20	13.90	13.80	
27+00		4.50	5.10	5.20	
50		12.90	12.80	13.10	
		6.10	6.20	5.90	
		11.90	11.90	11.70	
28+00		7.10	7.10	7.30	
50		11.70	11.50	11.30	
		7.30	7.50	7.70	
		11.00	11.00	10.90	
29+00		8.00	8.00	8.10	
50		11.30	11.00	10.90	
		7.70	8.00	8.10	
		10.80	10.70	10.70	
30+00		8.20	8.30	8.30	
50		9.40	9.30	9.50	
		9.60	9.70	9.50	
		9.40	9.40	9.40	
31+00		9.60	9.60	9.60	
50		8.80	8.80	8.80	
		10.20	10.20	10.20	
		7.60	7.70	8.10	
32+00		11.40	11.30	10.90	
50		7.30	7.30	7.60	
		11.70	11.70	11.40	
		7.10	7.00	7.10	
		11.90	12.00	11.90	

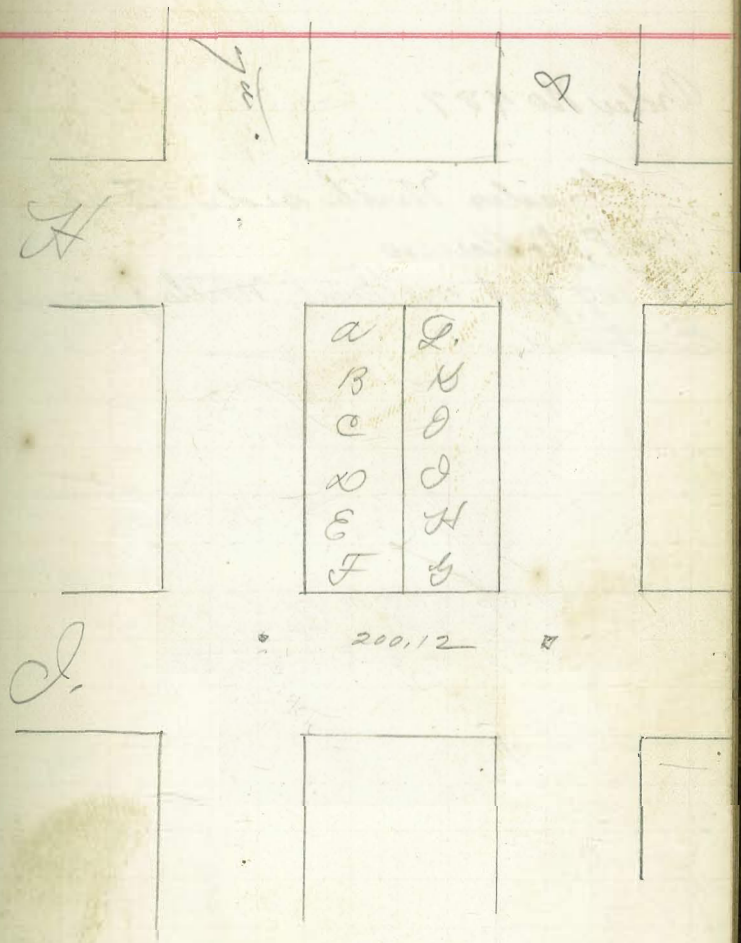
13.31
5.70
19.01

70.04
5.70
75.74

75.74
8.50
67.24 Gate at Cottage opposite 29+76 = 19.01
8.50
10.51

75.74
7.30
68.44 Sill of Barn opposite 827+25 = 19.01
7.30
11.71

75.74
11.11
64.63 Sill in Engine Room opposite 5 = 19.01
11.11
7.90


a
B
C
D
E
F
G
H
200,12

6) 32.65 3
30 66
2071

Order No 487.

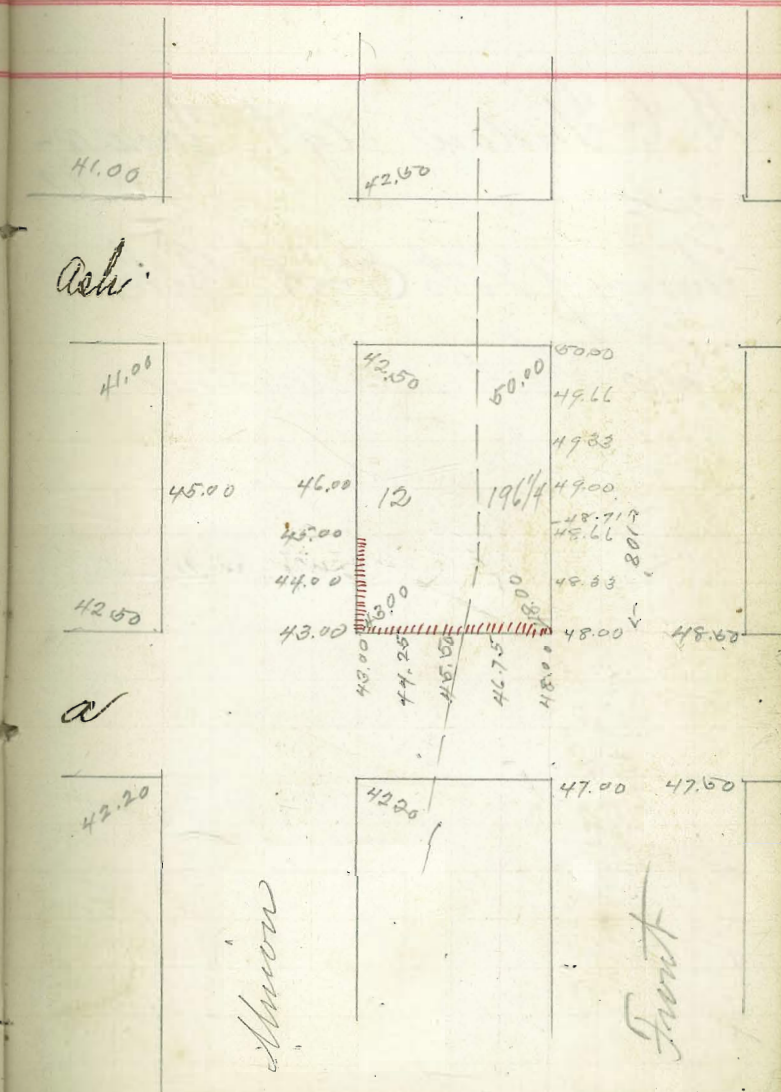
Grades North side "A" st
Front, to Union
@ 107 feet on Front, North from "A"
East side

~~50.79~~ 50.32
53.80
0.50
54.30
3.99

~~50.31~~ ~~50.31~~ ~~50.31~~ ~~50.31~~
~~48.00~~ ~~48.33~~ ~~48.71~~
~~2.31~~ ~~1.98~~ ~~1.60~~

54.30	54.30	54.30
48.00	48.33	48.71
6.30	5.97	5.59

2.32
48.00
50.32
43.00
7.32



H. C. Gordon Agt June 18-
97

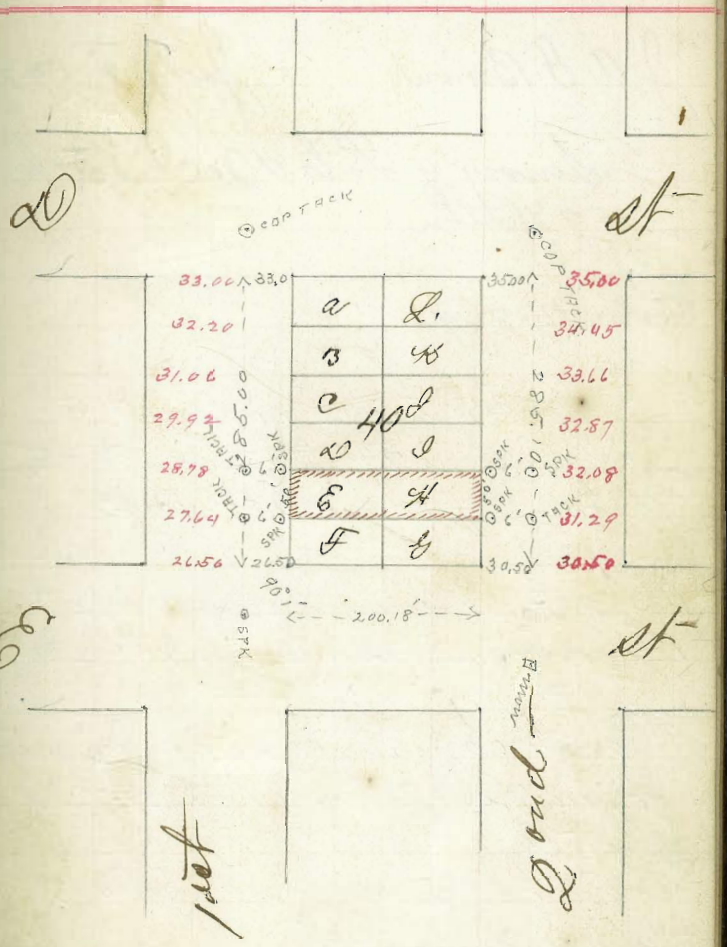
Survey of Lots E. H. Bek
40 Horton addition

37.19
2.12
39.31 | 39.31
31.54 | 32.33
7.77 | 6.98 property grade — 2 ord. ft

32.69
3.27
35.96 | 35.96
29.03 | 27.89
6.93 | 8.07 property grades on lot
26
7.18 on curb | 8.32 on curb

31.29 | 32.05
26 | 26
31.54 | 32.33
28.78 | 27.64
26 | 26
29.03 | 27.89

777
25
8.02 on curb



30
314.22
157.11
157.11
50.3
107.08

150.07
50.2
200.09

307.00
200.09
106.91

307.15
314.15
157.07
157.08
50.02
107.06

J A F Brown July 9th 97.

Survey of Lots D & I Blk
59 Horton

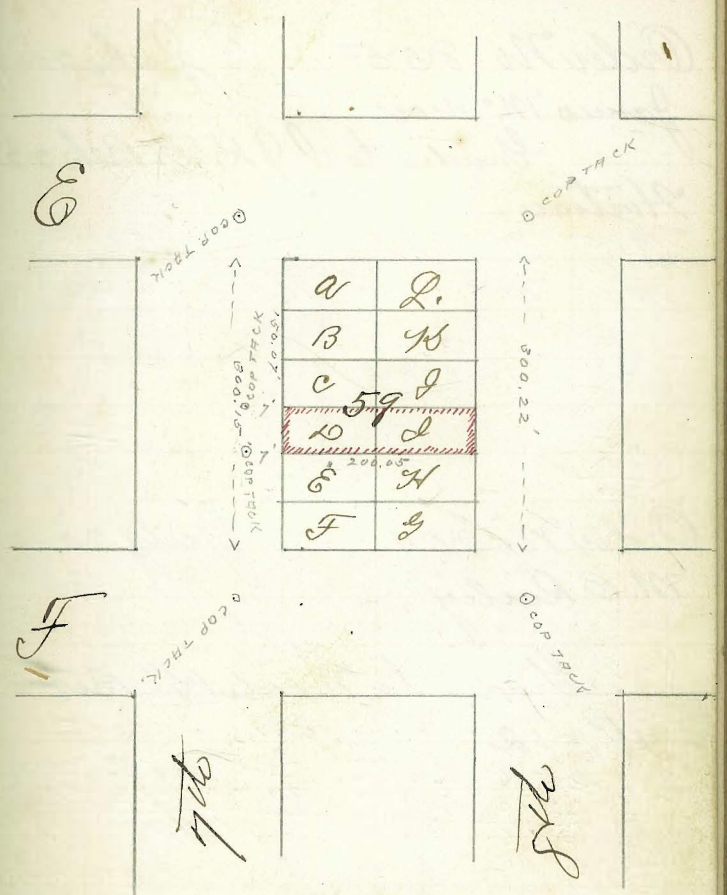
Order No 849.

Set cop tacks in lead at 7' ft line on 7th street, also set Iron tacks on 7' line on 8th street,

Also set 60 penny wire spikes at 1' ft and exact corners on 7th street

Also set 60 penny wire spikes on 1' ft and exact corner at SE Cor of Lot I.

Also set 60 penny wire spike at the N.E. Cor of Lot I,



Order No. 855 July 20-97

James McNeal

Grades to J K L. Bet 22

Horton

74.55 B.M.
4.00

78.85	78.85	78.85	78.85	78.85	78.85	78.85
71.00	71.25	71.50	71.75	72.00	72.25	72.50
7,85	7,60	7,35	7,10	6,85	6,60	6,35

6 stakes,

78.85
74.55
4.30
4.1
26

Order No 854 July 20-97

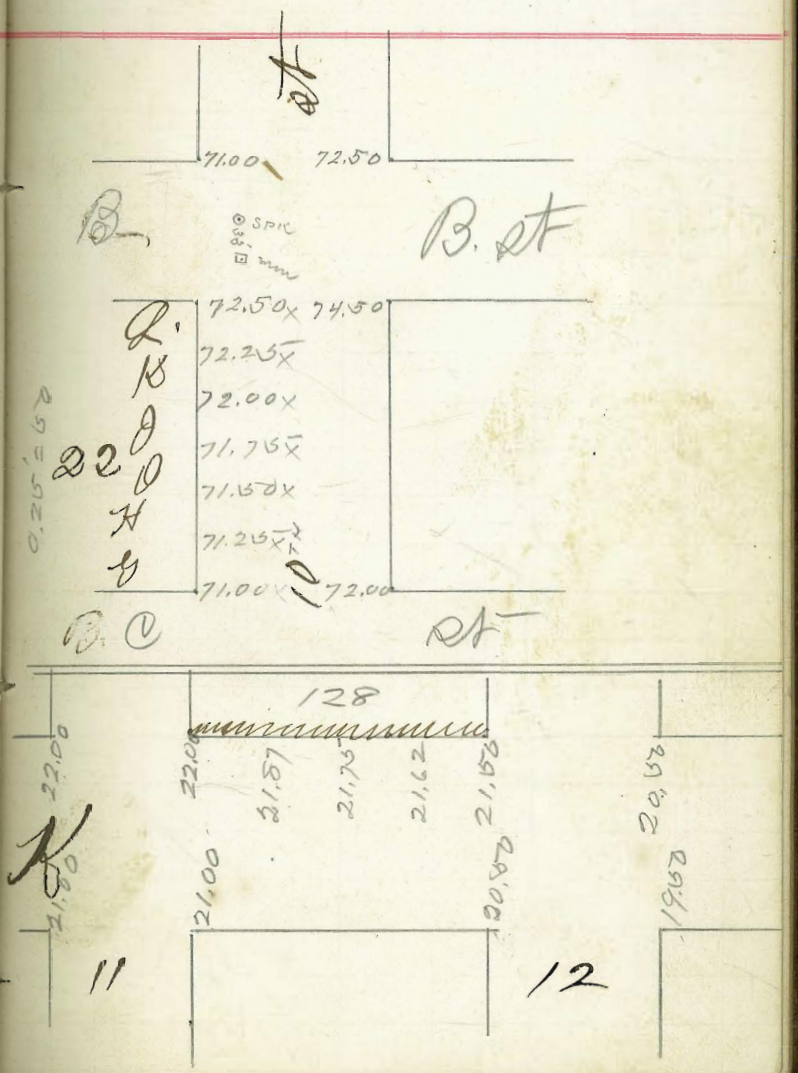
M. O'Reily

Grades to N side K" Bet

11 - 12

21.67 B.M.
3.99

25.66	25.66	25.66	25.66	25.66
22.00	21.87	21.75	21.62	21.50
3,66	3,79	3,91	4,04	4,16

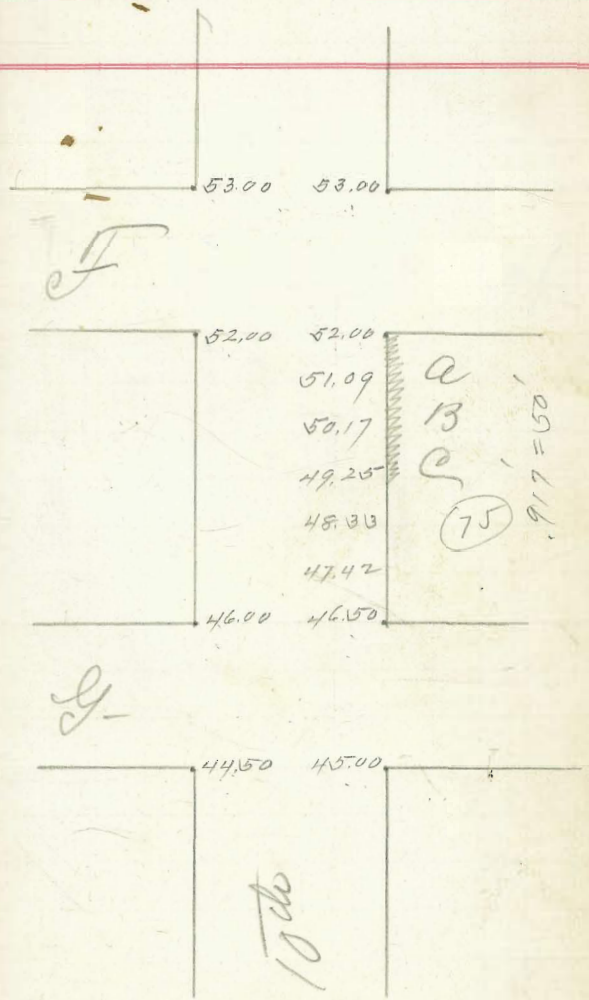


4.15 5.98
.91 .92
5.06 6.90
.92
5.98

Mr M. O Riley July 30, 97

56.15 56.15 56.15
.52 .51.09 .50.17
4.15 5.06 5.98

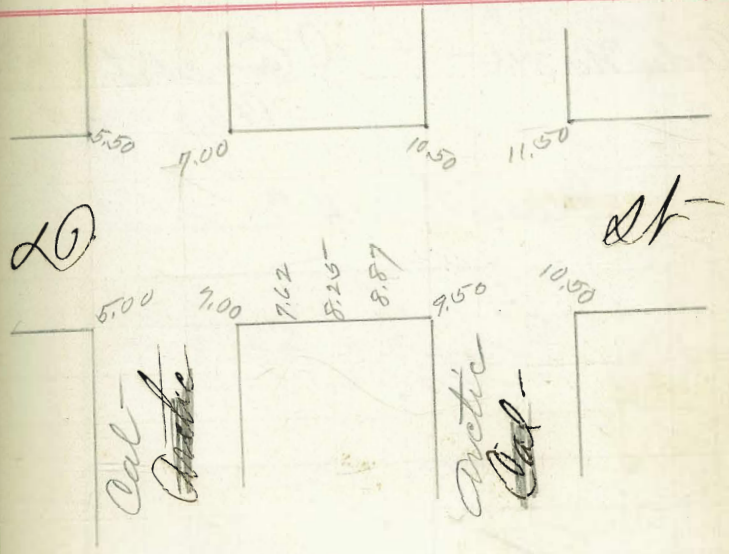
54.13
2.02
56.15
49.25
6.90



13,61
371
1732
749
9.83
426

14.09 14.09 14.09
887 825 7
5,22 5.84 709

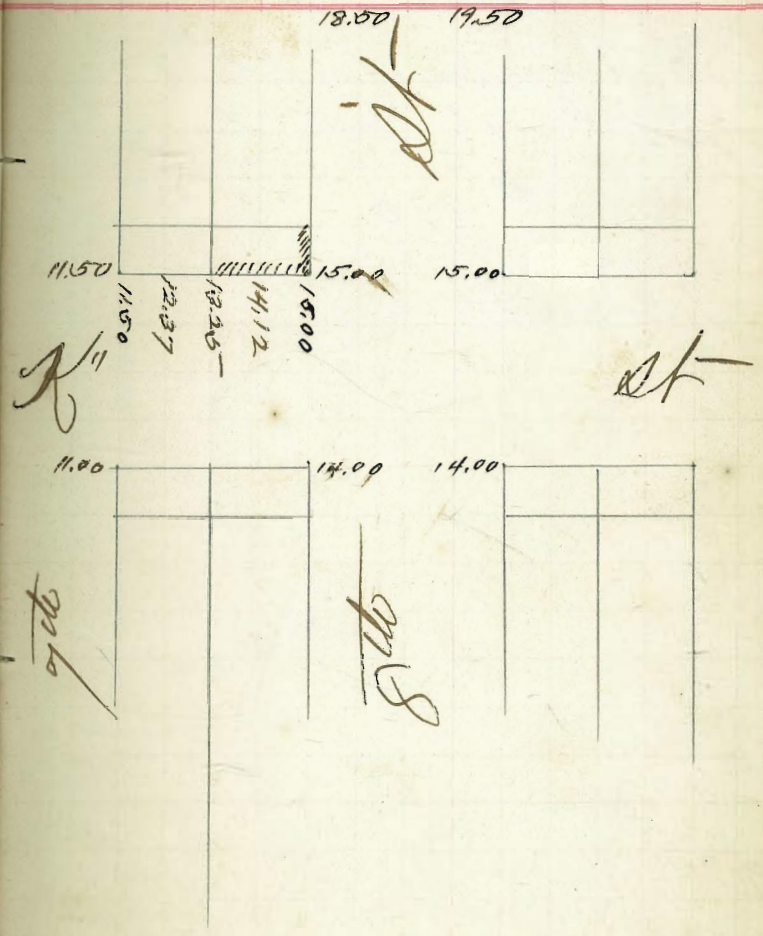
14.09
762
6,47



Order No 865 J. Englebret
Aug 2-97

Grades to N. W. Cor 8th K.

16.14	B M		
3 30			
19.44	19.44	19.44	19.44
15.00	14.12	13.25	11.50
4.44	5.32	6.19	7.94

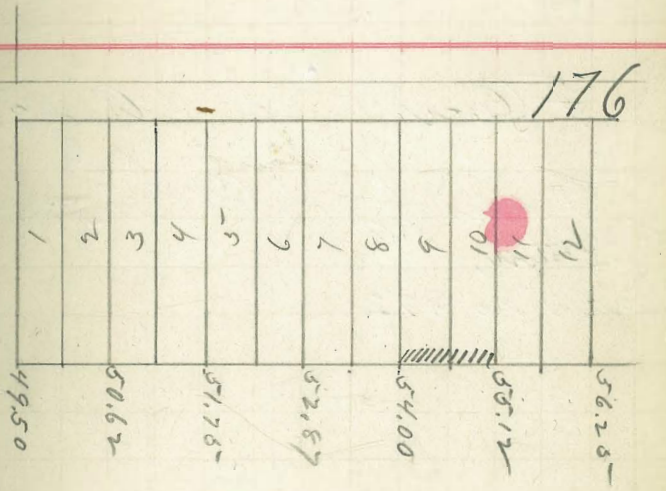


Aug. 4th 1897

Curb grades for Lots #9 & 10
Block 176 Land & Town Co.

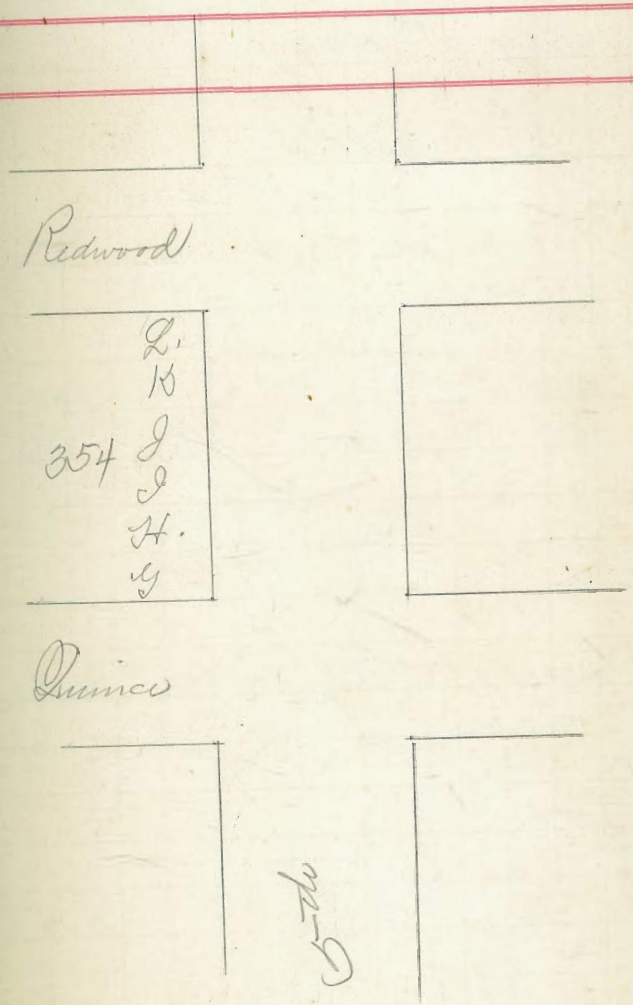
Order # 870.

58,61 B.M. 57.61
7.00 54.00
57.61 H.I. 3.61
56.12
1.49



J. F Carr Aug 7-97

Grades J K L Blk 354
Horton,
Order No 872.



Aug. 7th 1897

J. Engelbert
Order # 874

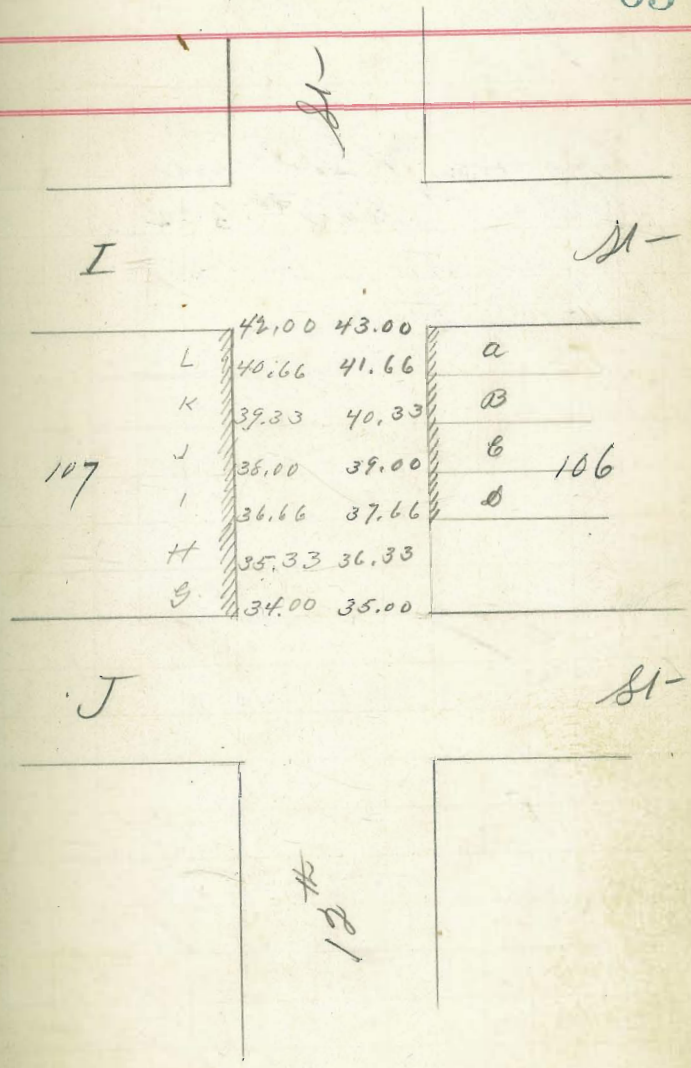
43.97	B.M	45.01	45.01	45.01	45.01
1.04		41.66	40.33	39.00	37.66
45.01	H.I	3.35	4.68	6.01	7.35
43.00					
2.01					

August 19th 1897. Order 894
J. Engelbert Lots G & H. 107.

36.90	B.M	41.06	41.06
4.16		35.33	36.66
41.06	H.I.	5.73	4.40
34.00			
7.06			

Joseph Kelly Order # 904

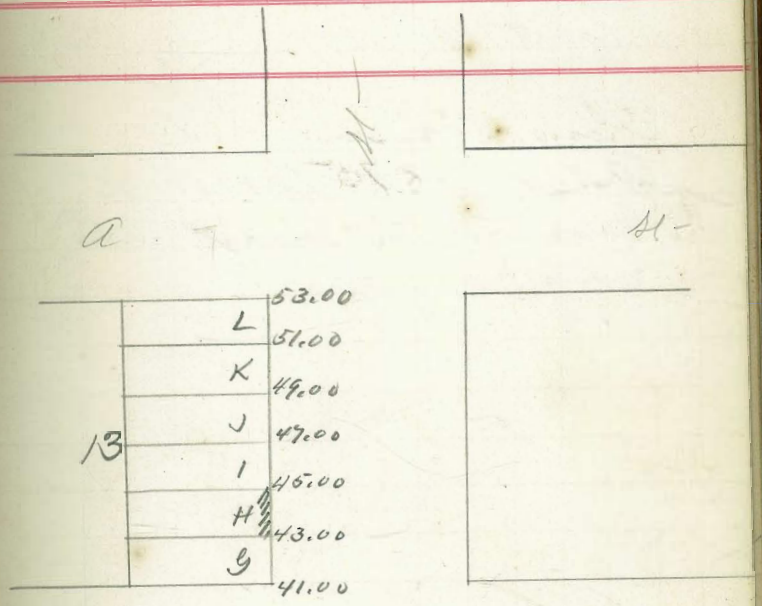
43.97	B.M	44.75	44.75	44.75	44.75
.78		40.66	39.33	38.00	36.66
44.75	H.I	4.09	5.42	6.75	8.09
42.00					
2.75					



August 10th 1897.

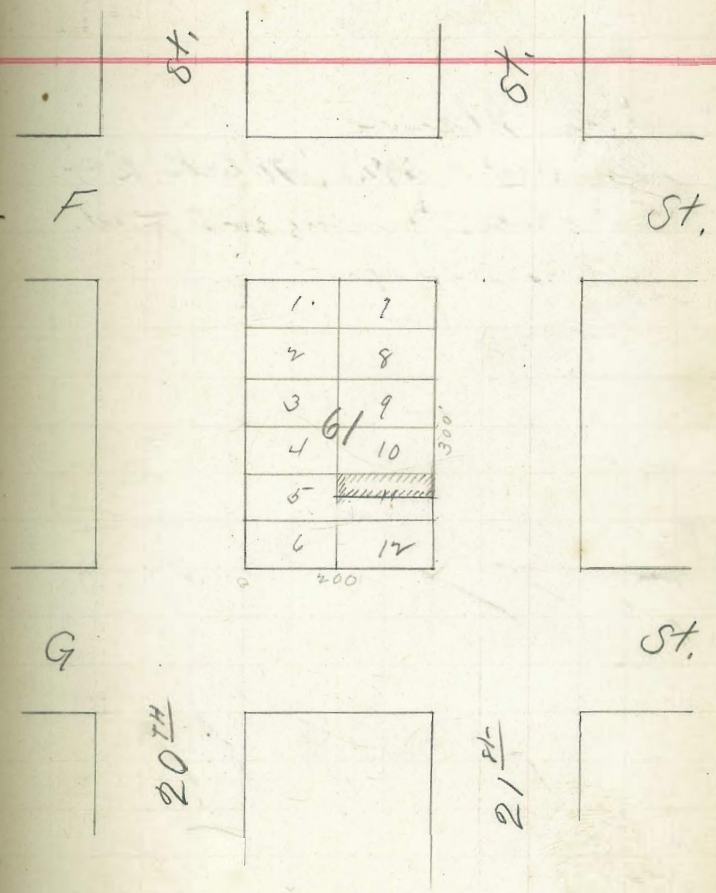
Robinson and Elkins
Order # 875 Lot H. Blk 13

40.36 B.M. 47.15 Horton
6.79 43.00
47.15 H.I. 4.15
43.00
4.15 1 stakes.



August 10th 1897. L. Simonson

Geo. Hansen
Survey of N½ Lot 11, Block #61
Culverwell and Taggart Add.
(Utta) on map.



Aug. 11th 1897

D. L. Olsen

Lots A. B. C D. E. F. Block 23

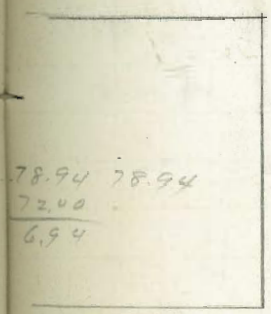
76.85 BM
2.09

78.94	78.94	78.94	78.94	78.94	78.94	78.94	78.94
74.50	74.08	73.66	73.25	72.83	72.41	72.00	
4.44	4.86	5.28	5.69	6.11	6.53	6.94	

6) 2.5 (.41
24
10

4.44
41
4.85
41
5.26
42
5.68
42
6.08
42
6.50
41
6.91

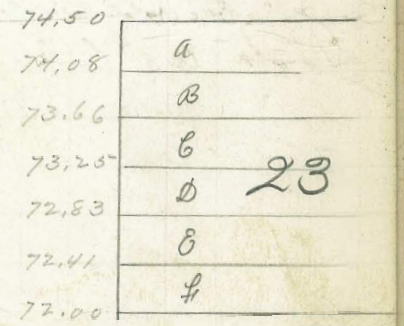
B



C

St

St



St

10th

E. J. Carter Aug 11-97

Grades to N. W. Cor 26th & Q.

75 feet along Q st,

187.28 B M		
5.69		
192.97		
3.41		
189.56		
4.02		
193.58	193.58	193.58
190.00	189.73	189.82
3.58	3.85	3.76

August 16th 1897

Joseph Kelly

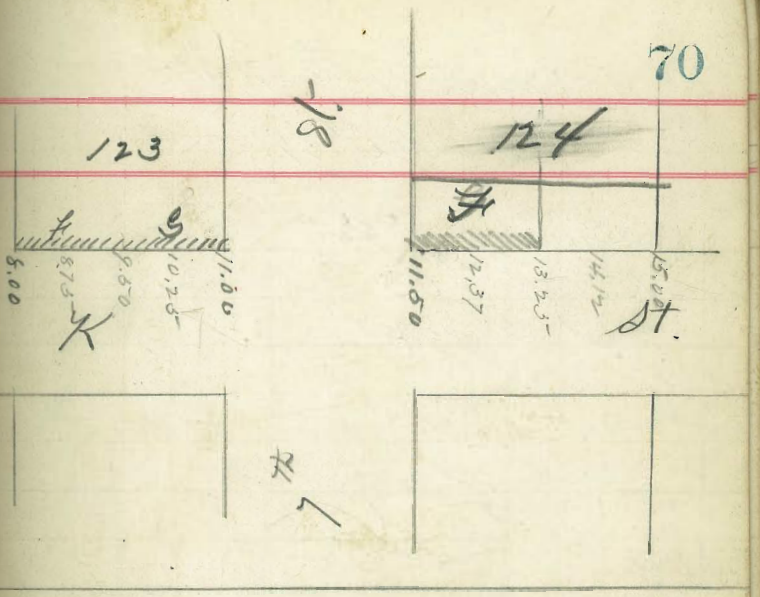
Ordr #888.

16.32 / 12.37 / 3.95

16.14 B.M. / 1.18 / 16.32 H1 / 13.25 / 3.07

16.32 / 11.50 / 4.82

3 stakes



W. O. Kiley Aug. 16/97

Ordr # 889

21.67 / 7.36 / 29.03 H1 / 20.50 / 8.53

29.03 / 22.75 / 6.28

29.03 / 25.00 / 4.03

29.03 / 27.25 / 1.78 / .20 / 7.03

Joseph Kelly Aug 19th 1897

Lot 9. B. 123 Ordr 895.

8.32 B.M. / 6.86 / 15.18 H1 / 11.00 / 4.18

15.18 / 10.25 / 4.93

15.18 / 9.50 / 5.68

15.18 / 8.00 / 7.18

Joseph Kelly Ordr # 903

8.37 B.M. / 4.76 / 13.08 / 8. / 5.08

13.08 / 8.75 / 4.33

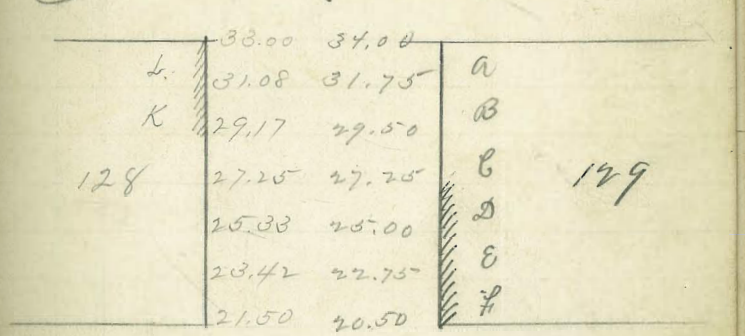
13.08 / 9.50 / 3.58

36.9 / 1.09 / 37.99 / 33.00 / 4.99

37.99 / 31.08 / 6.91

37.99 / 27.25 / 10.74

37.99 / 29.17 / 8.82

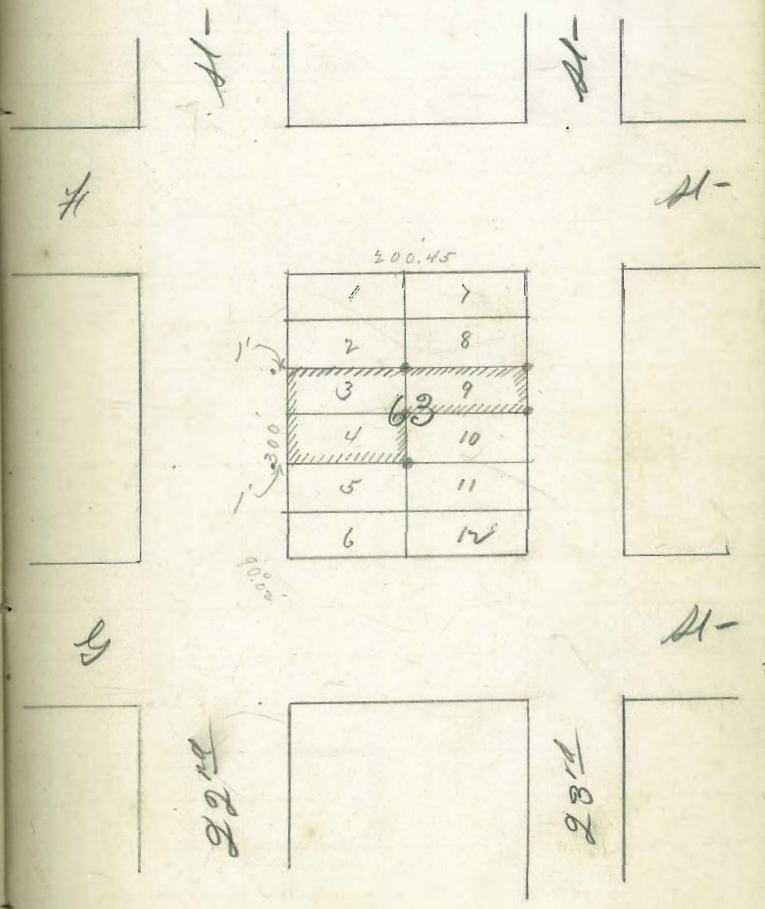


August 17th 1897

Order #891

Survey of Lots 3. 4 and 9 Block #63 Calvin Powell and Taggart.

set front corner to Lots 3. 4 one foot in street.



Aug. 18th 1897.

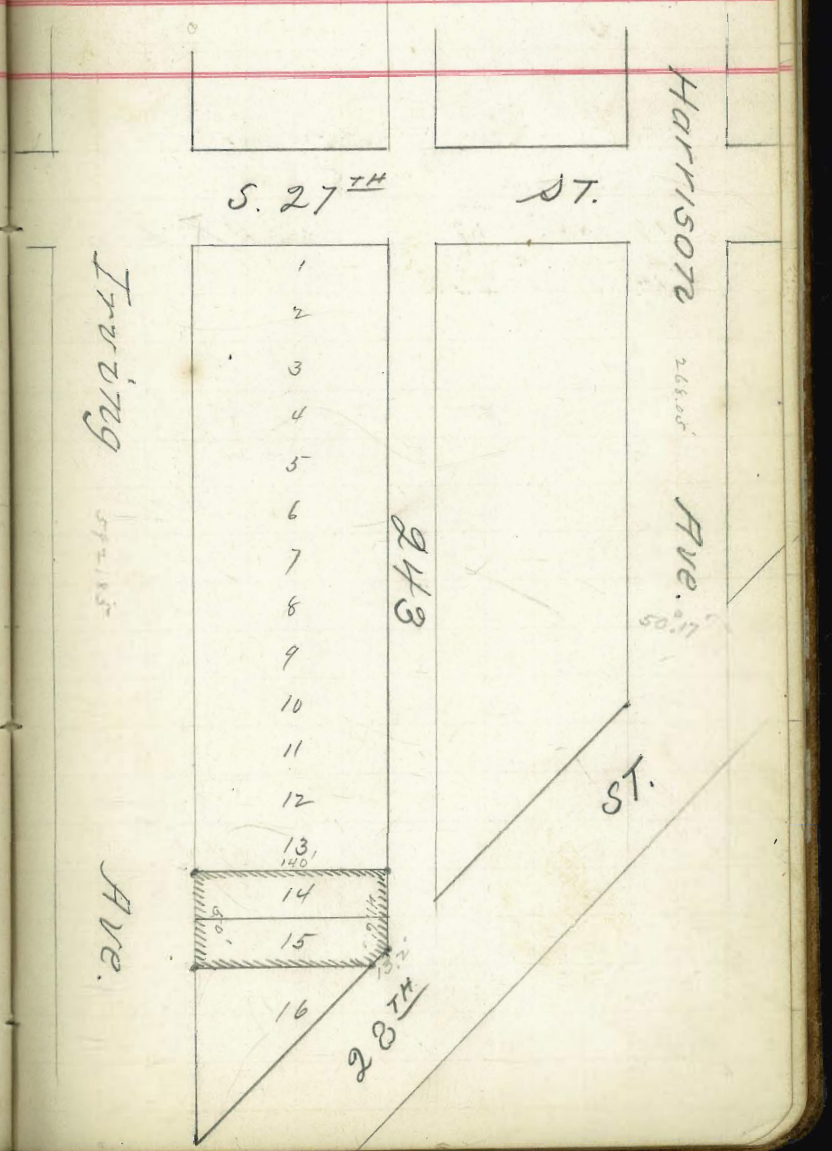
Order # 892.

Wm. O. Ferral.

Survey of Lots 14 + 15

Block # 243 Land + Town

Cos. Add.



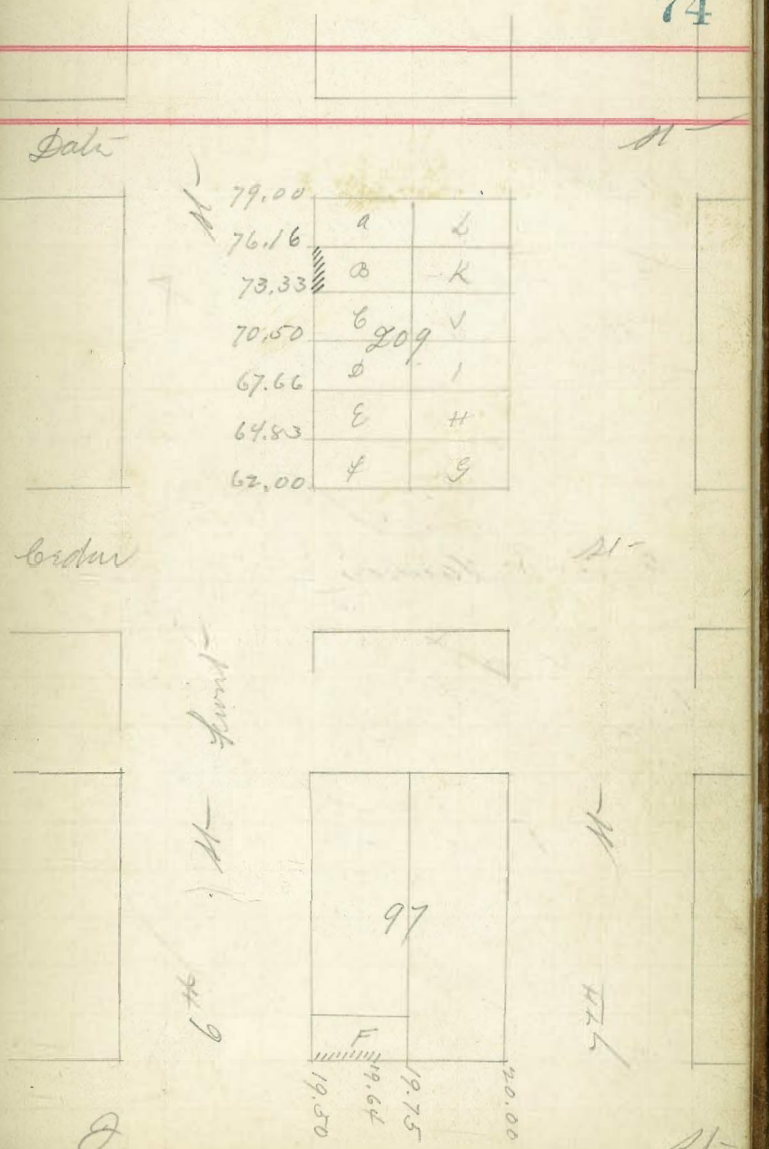
Aug 20th 1897

Clark Rockfellow Granite Co.
Ordr # 898

81.19 B.M. 82.74
1.55 73.33
82.74 9.41
76.16
6.58

H. H. G. Buck
Ordr # 902.

19.79 B.M. 23.51
3.72 19.50
23.51 H.I 4.01
19.64
3.87



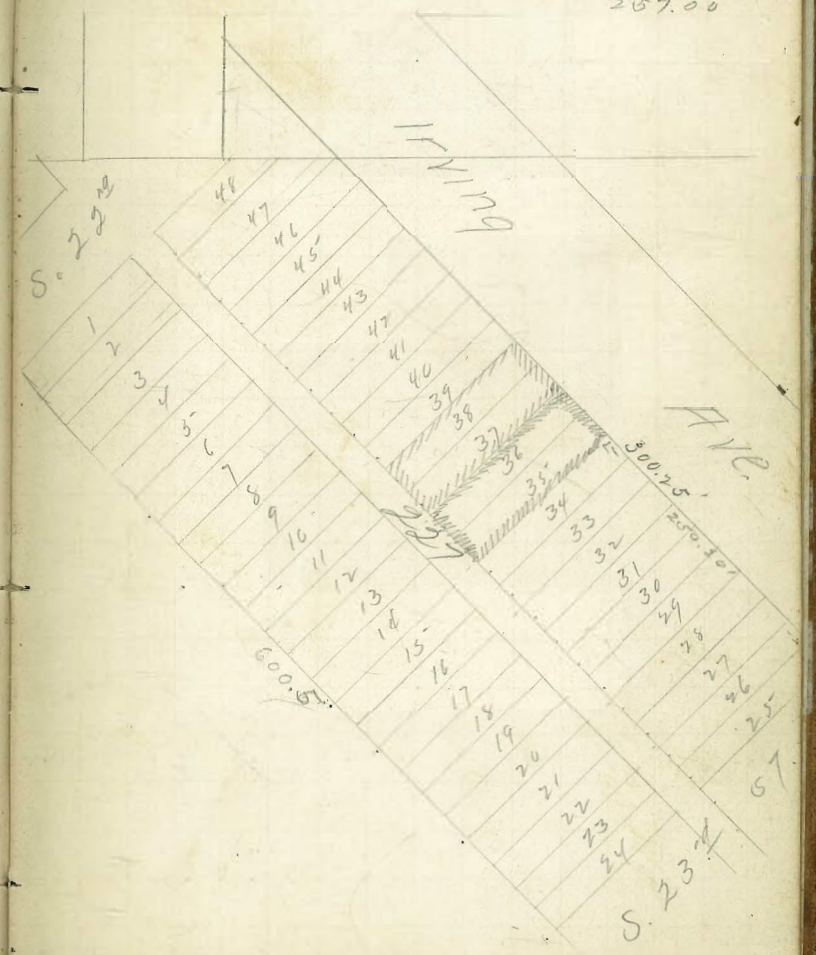
August 24th 1897

J. B. Sanderson -

Survey of Lots 35-36
Block # 227 Wamassa &
Schillers Add -

Sept 24th 97

J. B. Sanderson
Chuck - Survey of Lots 35-36
Blk 227 Wamassa Schiller



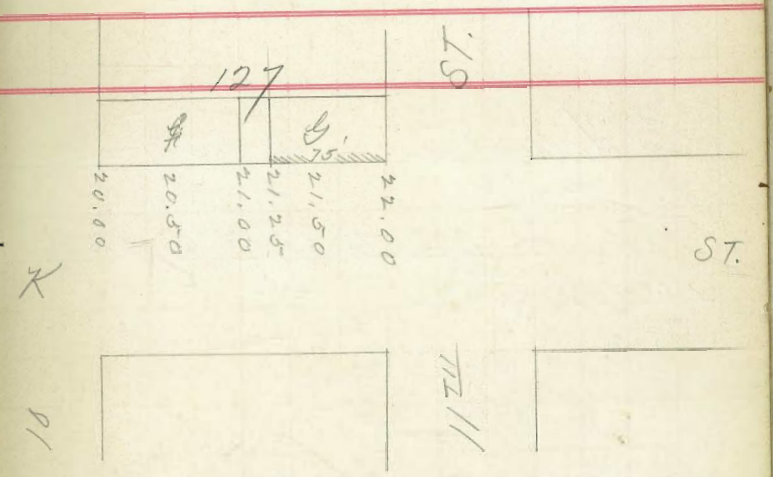
August 25th 1897

J. F. Over

Order #907

E. 75' Lot G, B. 127.

21.67 B.M	25.85	25.85
4.18	21.50	21.25
25.85 #1	4.35	4.60
22.00		
3.85		



0097
96
582
873
9312

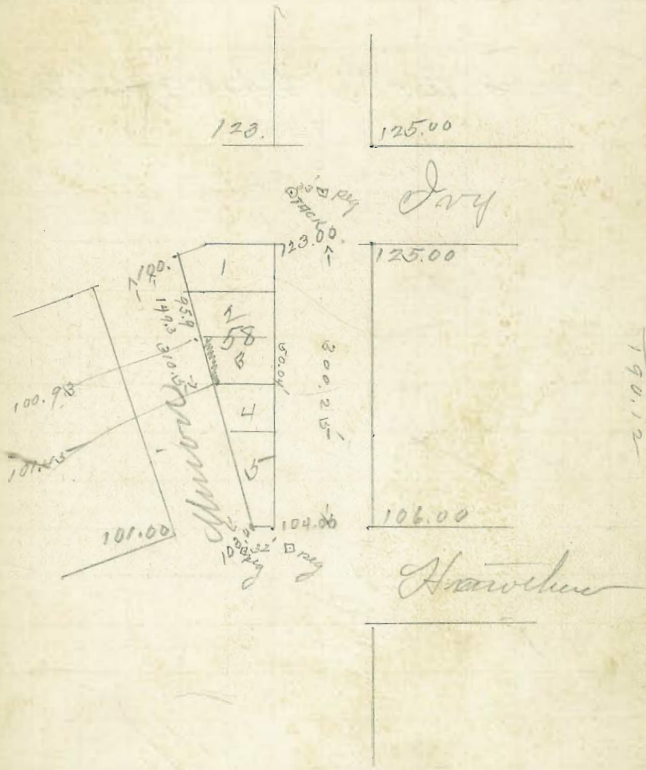
.0097
150
4850
97
14550

310.) 30000 (97 .0097
2790
2100
2170

E. E. Hamilton Sept 8th 97
Order 920.
Grades to Lot 3 Blk 58
Middletown

102.11 B M
370
105.81 105.81
100.93 101.45
4.88 4.36

Points set 2 feet out from prop



457
83
540
83
6,24

Order No 921 Sept 11-97

Grades A & B, Bek 49 Horton

68.75 B.M.
3.82
72.57
68
4.57

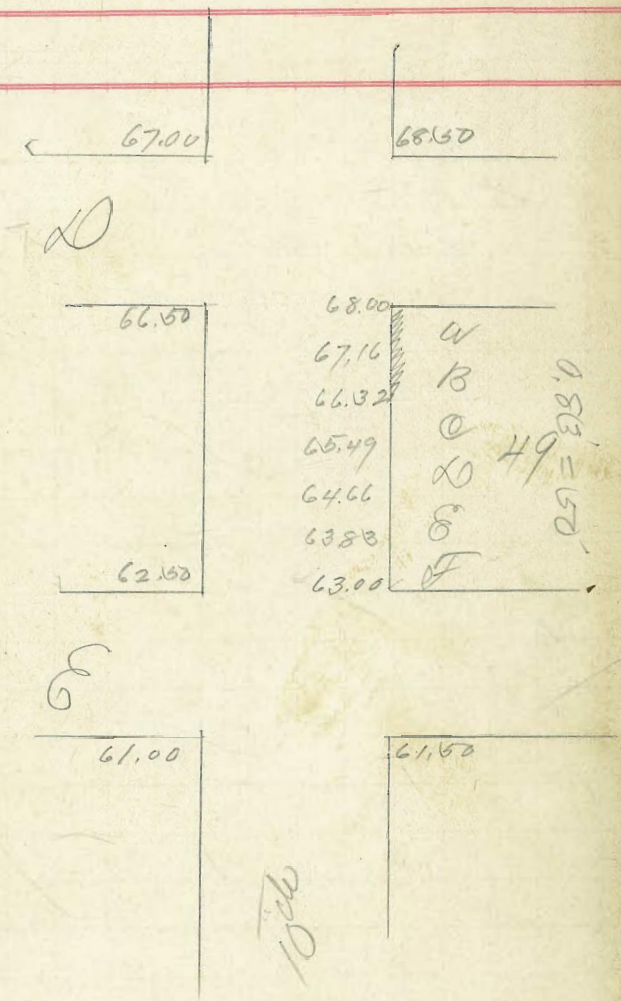
72.57
67.16
5.41

72.57
66.32
6.25

72.57
65.49
7.08

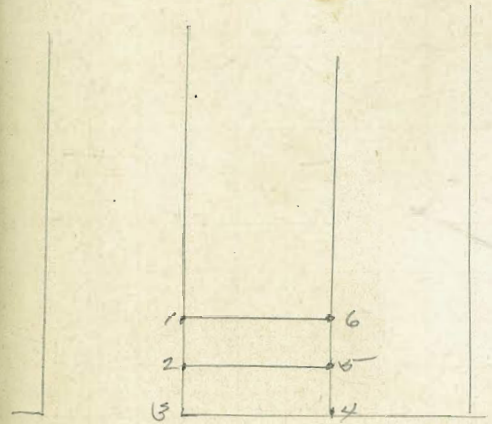
72.57
64.66
7.91

72.57

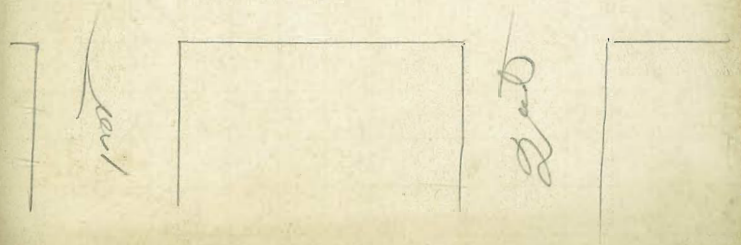


Stat	Rod	
	78.60	
1	R 4.00	74.60
2	6.20	72.40
3	8.50	70.10
4	2.30	76.30
5	1.10	77.50
6	9.00	69.60

71.90 BM
-6.70
78.60



Cedar



6) 0.250 (.0417
24
10
6
40

5) .0417 (.83
40
17

0083
4

S. H. 1,307 8, F. 6,

59.57
16.32
43.25

64.16
16.32
47.84 on peg

64.16
4.57
59.59 on spike at switch

53.83
47.84
5.99

65.74 BM
2.86
68.60
6.58
62.02
2.14
64.16
10.89
53.27
0.56
53.83
10.56
43.27 = El peg

100.00
8.70
108.70
1.77
106.93
9.79
116.72
0.40
116.32

6) 2.00 (.33
18
20

Return to City Engineers Office
City Hall, San Diego, Cal.
92

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	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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