2

LEVEL

F.B. 18

18

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City Hall, San Diego, Cal.

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18

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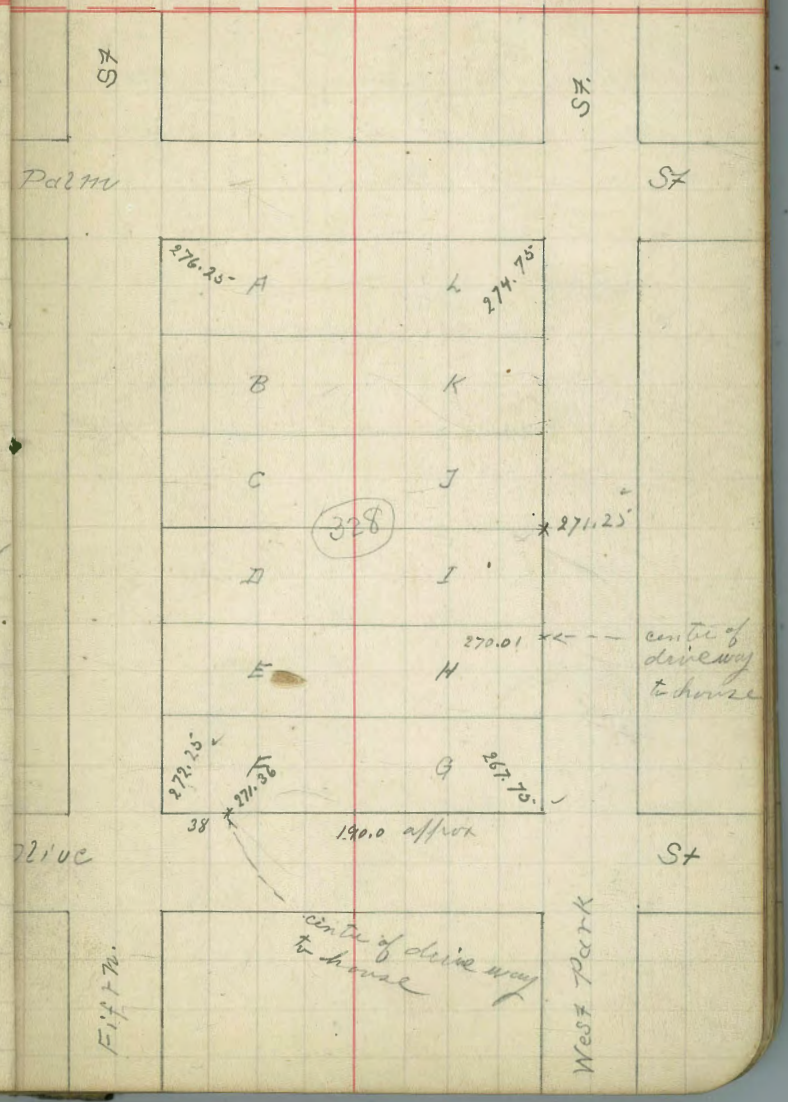
Grades for Heating Residence
Blk 328 Hunting Add

Jan. 3 1891 Hamlin Book
Hemsley level
after
Williams

3

	Sta	+	HI	Grade	Rod	Elev	
Starbe							
1,2,3	B.M.	8.02	279.24			271.22	
Gar	0+38			271.36	7.88		
260				267.75	11.49		
W ork				271.25	7.99		
Hous				272.25	6.99		
B de	B.M.	3.40	280.61		2.03	277.21	
Ash					276.25	4.36	

Also set some grades for walk
merely to give them an idea
of how they should go
did not make a record of
it

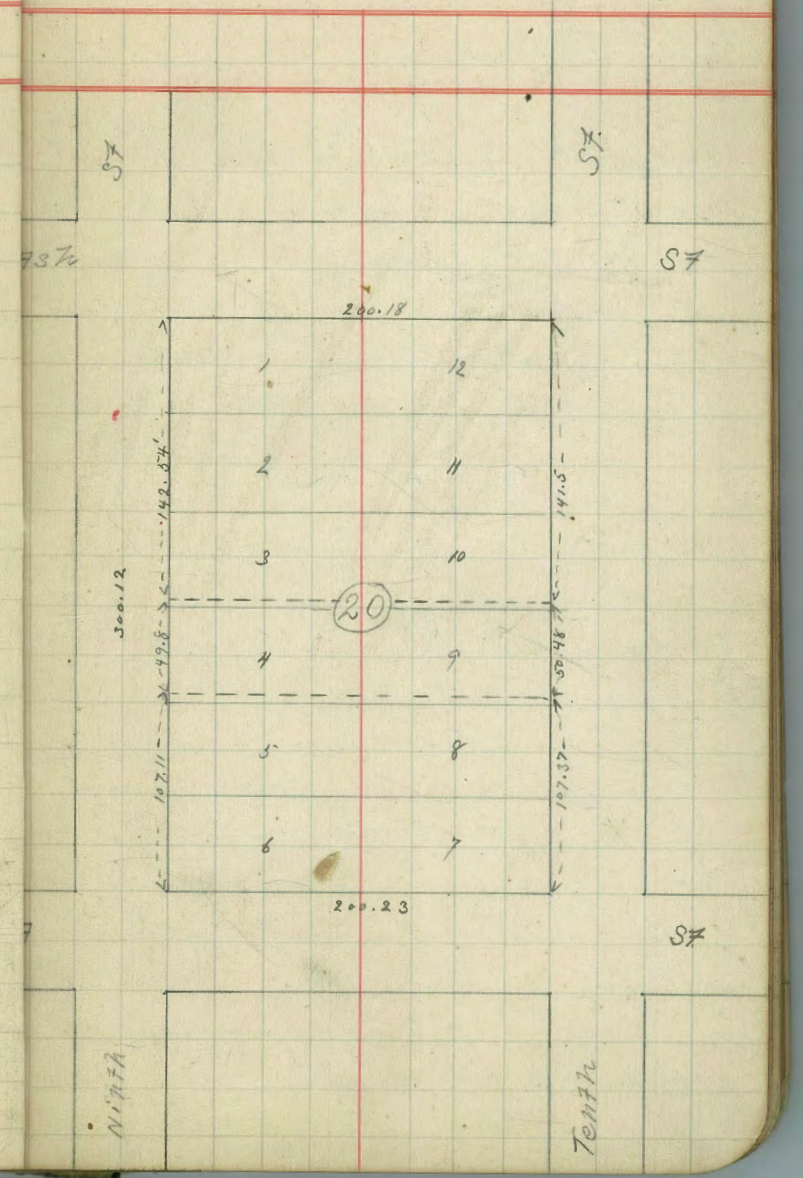


Survey showing the existing fence lines in Blk 20 Bay View Add. for Starbird & Smith

Jan. 6th 1891

Hamlin { Austin Williams Hensley } 4

The dotted lines show the fence lines as now standing



Survey of N 1/2 of Lot F Blk 61
Hortons Add. ordered by J. B.
Gordon for Mr Clement

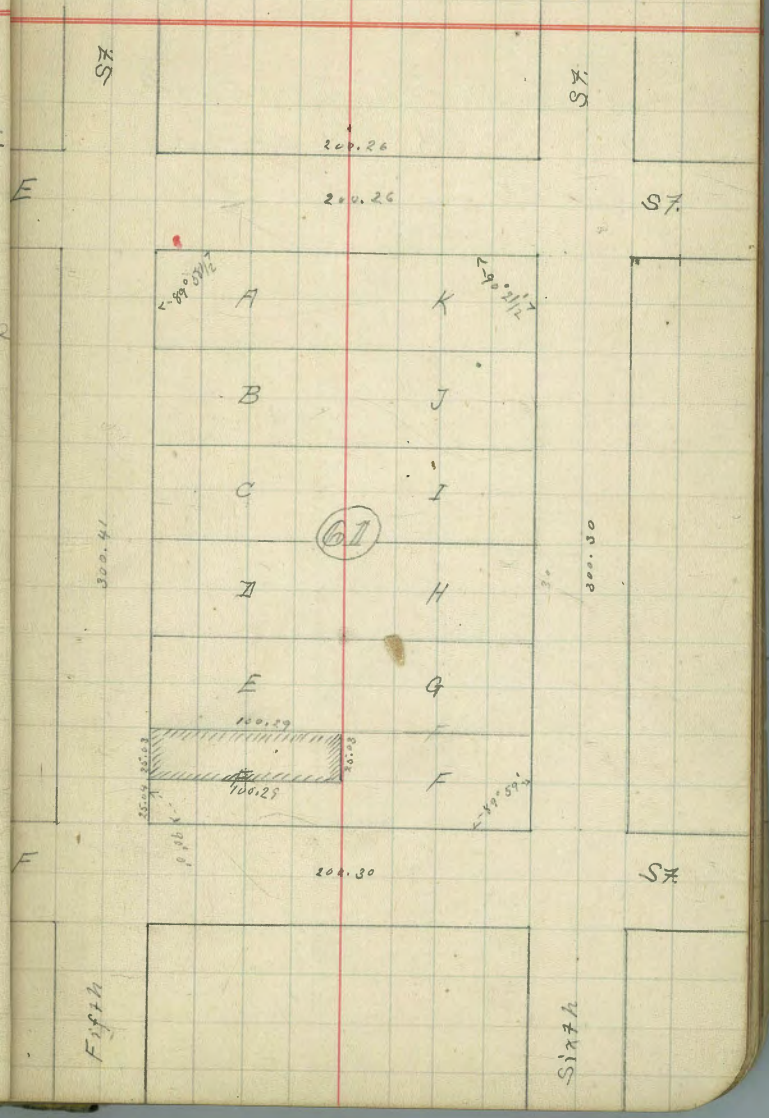
Jan. 7 1891

Hamlin
Oton
Williams
Hemsley

On North line of lot set N.W. cor 1' west of true corner and NE cor 2' west of true corner.

On South line set S.W. cor 1' west of true corner and set SE corner 2' west and 2' north of true corner

POSTED

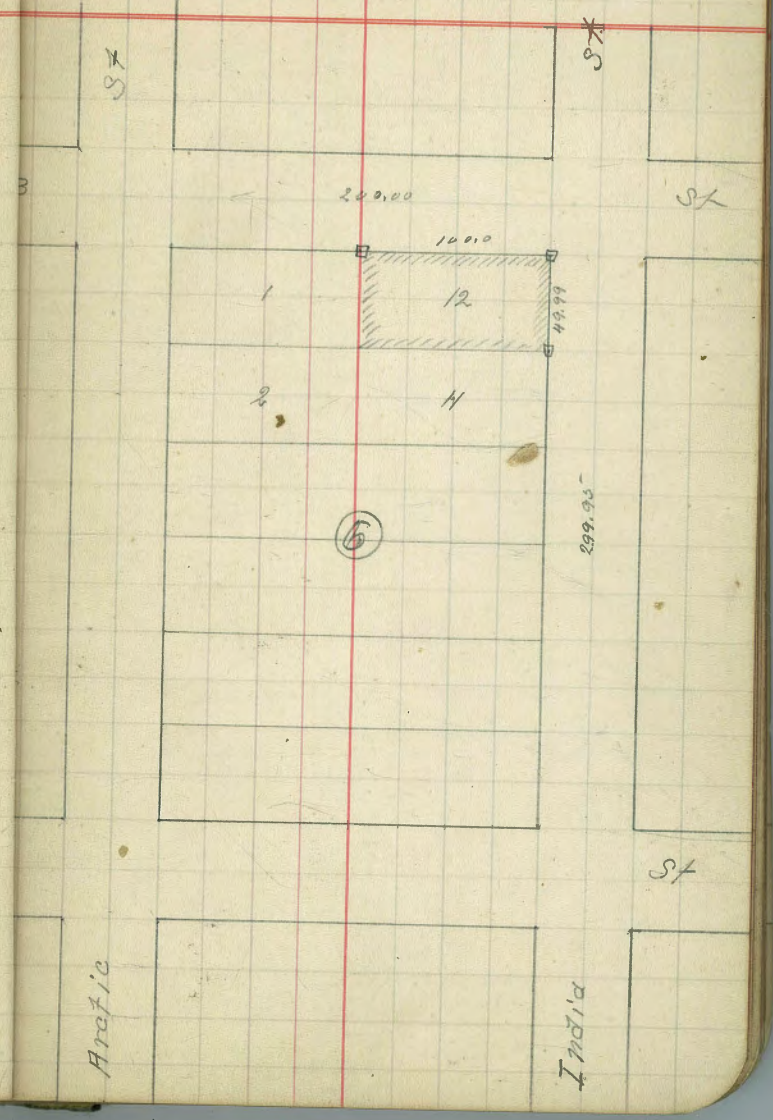


Survey of lot 12 Blk 6 in Middletown for W. Jasper

Jan 10 1891

Hamlin
Acton
Williams
Hemsley.

Set the frontage on B Street and on India St as shown in the sketch.

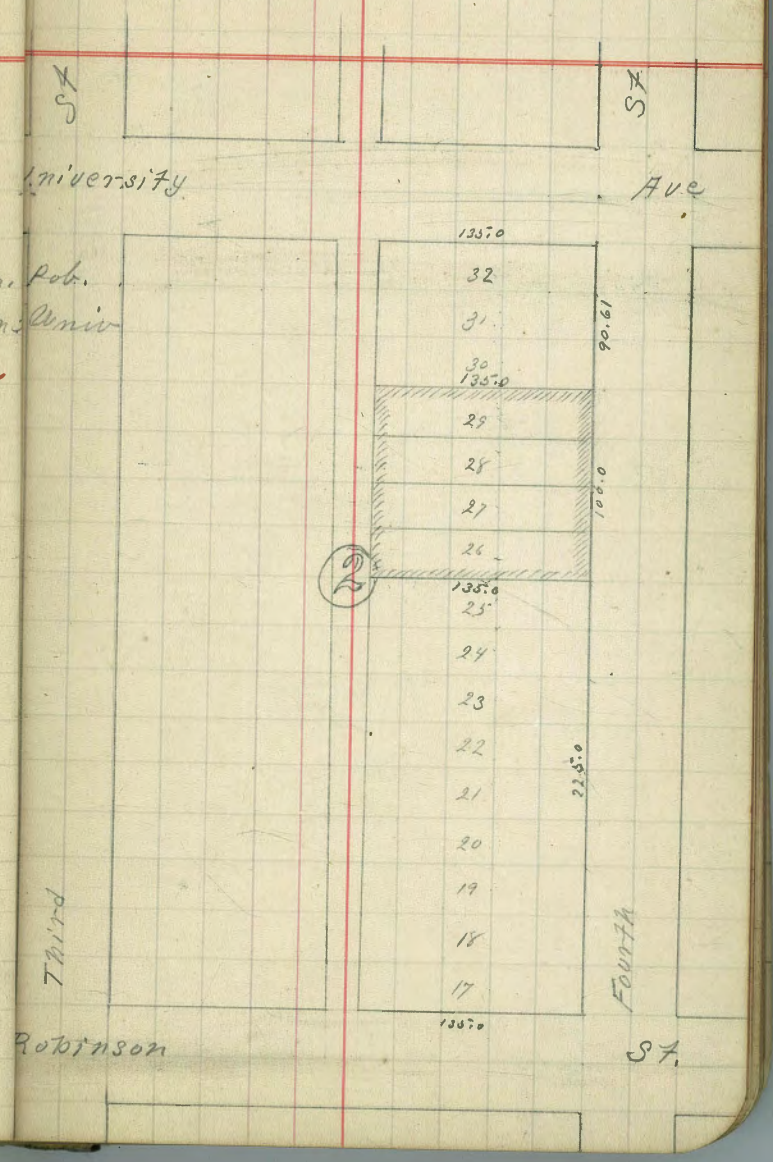


Survey of lots 26, 27, 28, & 29
Blk 2 Nutts Add.

Jan. 13 1891 Hamlin transit
also
Williams
Hemsley

7

+	HI	Grade Rod	−	Elev	
		Ordered by John H Marshall.			
		Grades for frontage line			
4.70	293.65			288.95	B.M. Pob.
			−3.68	289.97	B.M. Univ
		288.44	5.21		
		.36	.36		
		288.08	5.57		



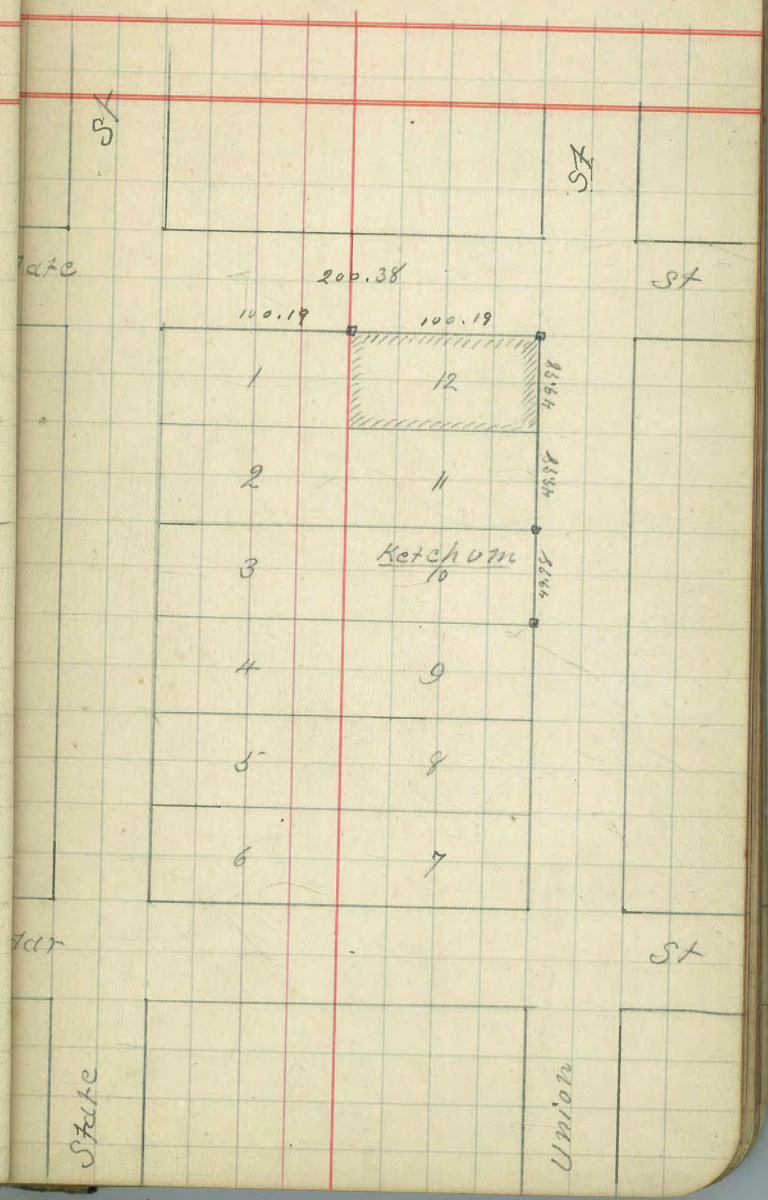
Survey to locate Frontage line on Hotel St lot 12 blk 33 Mc State & Union

Feb 6 1891

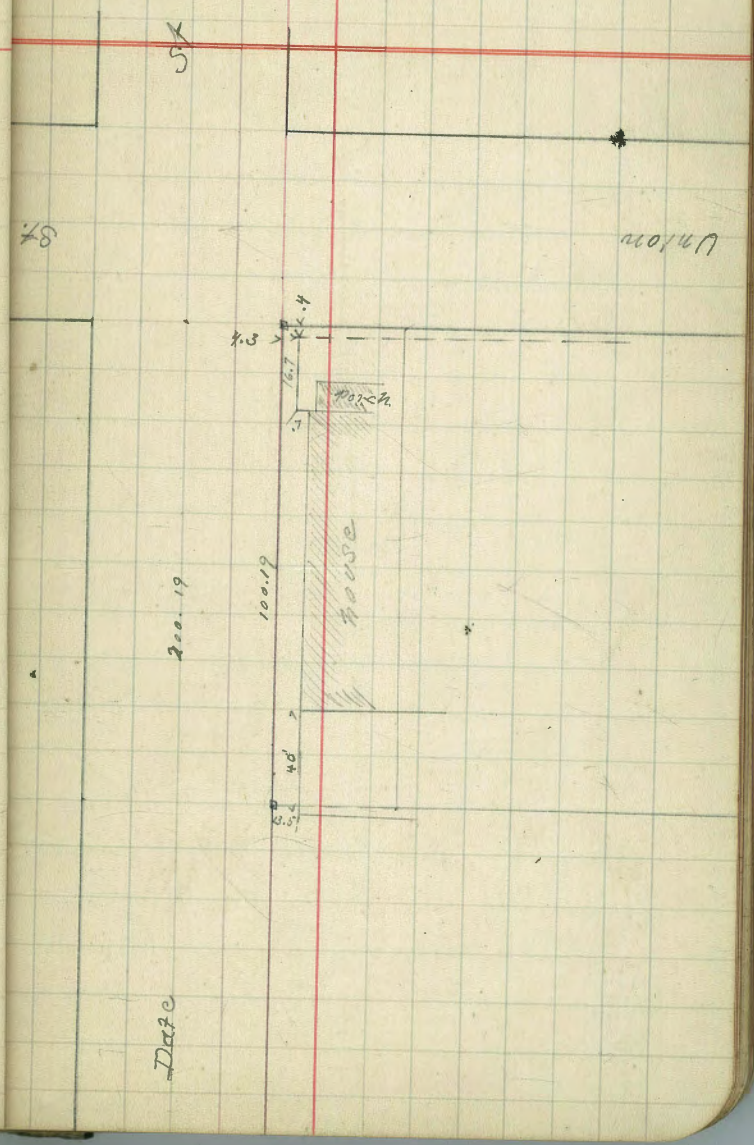
For Mrs French
Hamlin transit
Oxton
Williams
Hemsley

See sketch of buildings and fence lines on next Page

POSTED



Sketch showing location of buildings and fence lines on Lots 12 Blk 33 Middletown



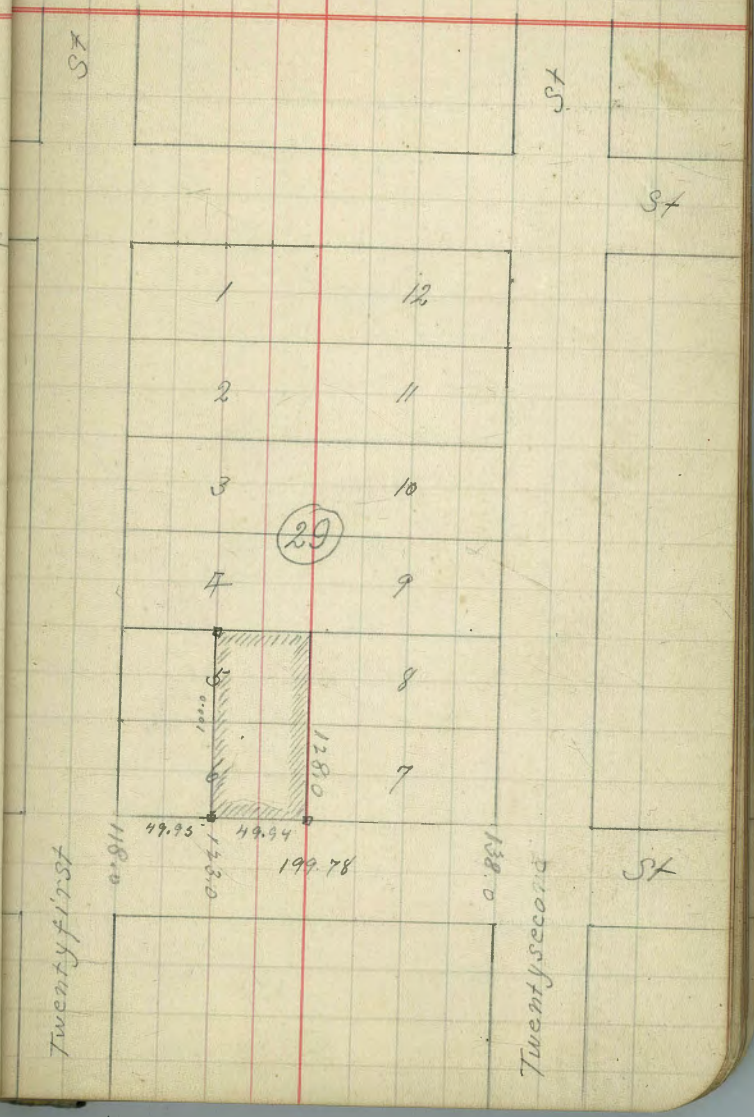
Survey of East 1/2 of lots 5 & Blk 29 Taggart for Belding

Feb. 11 1891

Hamlin transit
Orton } chain
Williams }

Set Plugs (□) on frontage line on ☐ St and at N.W. cor of lot could not set NE cor on account of chicken House

140.99 B.M. N.E cor. of C. + 22
551
146.50
11.88
134.62
0.04
134,66 134.66
128. 123.
7.66 11.66

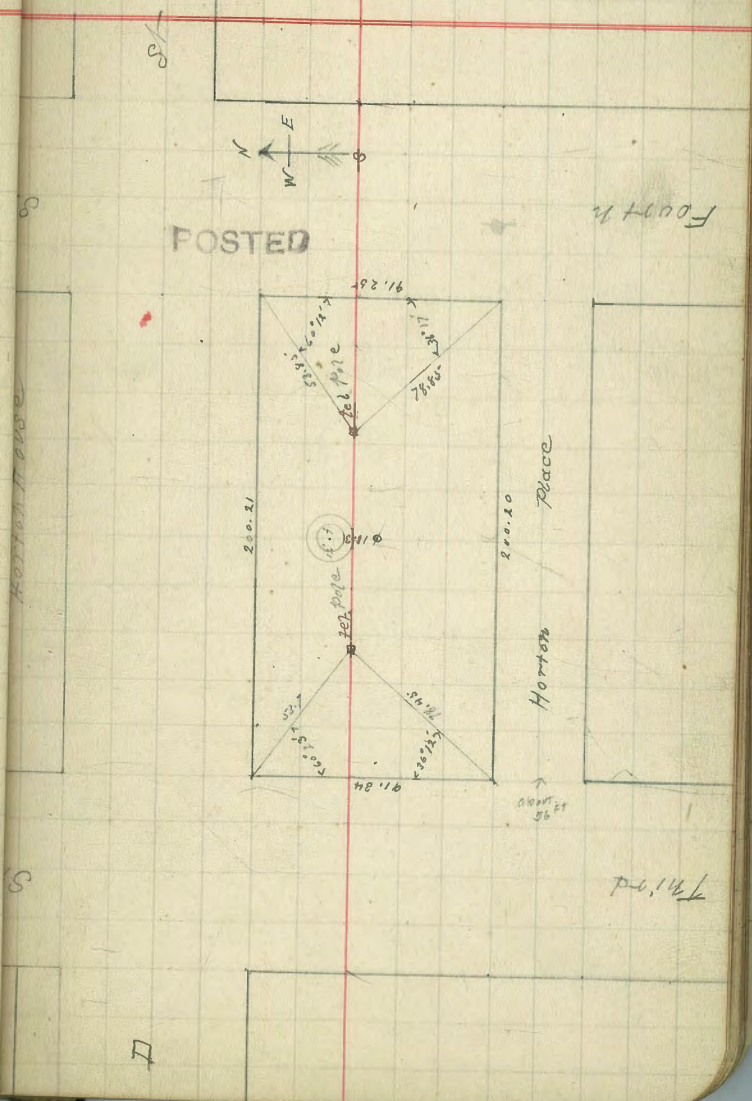


POST

Survey to locate Horton's Plaza and show the position of old fountain and telegraph poles

Feb 12 1891

Hamlin
Acton
Williams
Hensley



Survey of lot 1 Blk 32 Middletown for Buck.

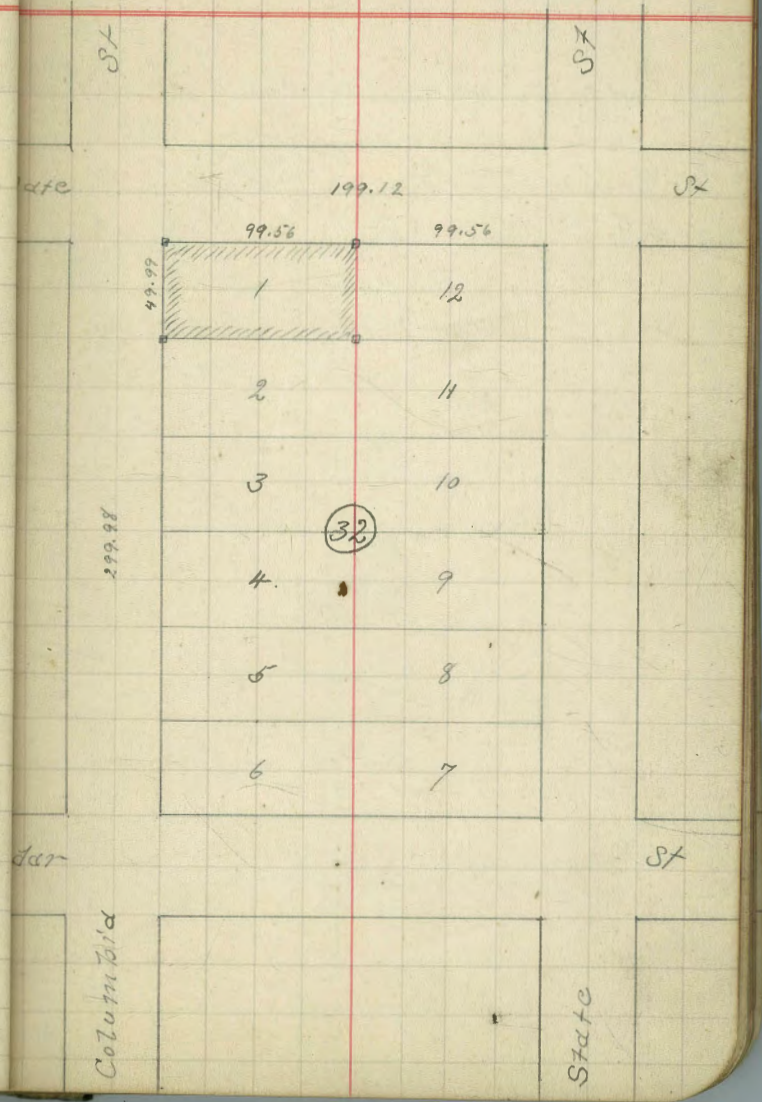
Feb 14 1891

12

Set plugs as shown in sketch

Hamlin transit
Acton } chain
Hensley
Williams Stake

POSTED



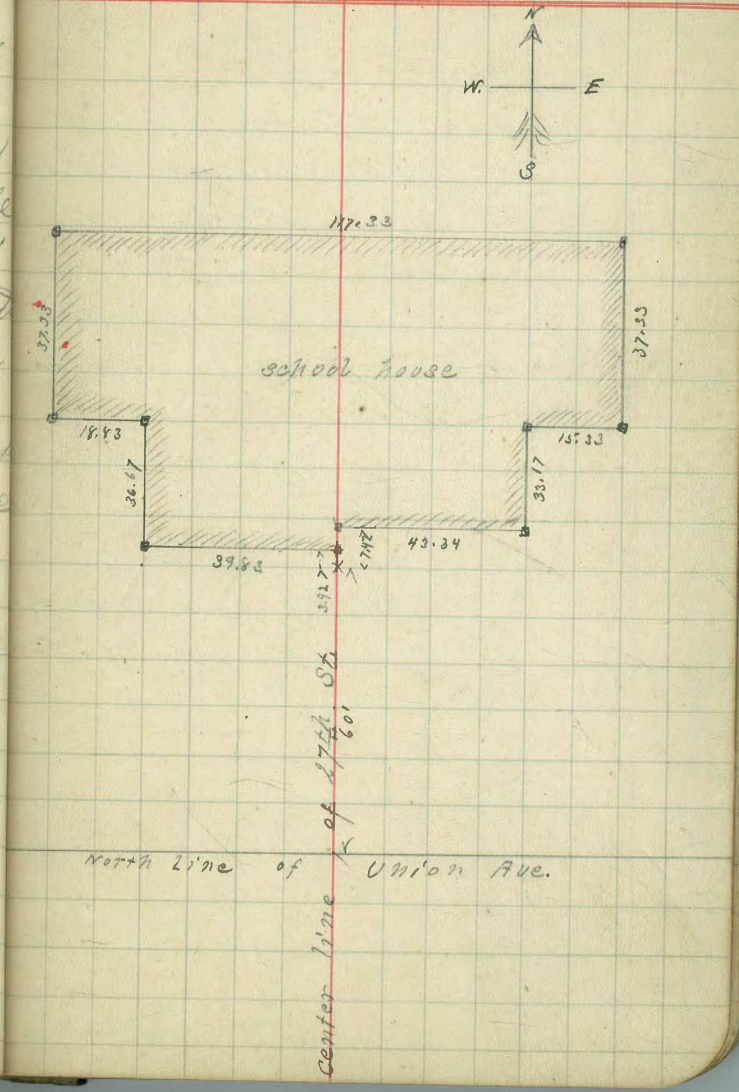
Location of 8th ward School house

Oct. 6 1891

Hamblin transit
after Williams } chain
Hemsley Flag.

Beginning at a point 60' north of where the center line of 27th St. intersects the north line of Union Ave, to the point of beginning; thence north 3.92', thence west 39.83', thence north 36.67', thence west 18.83', thence north 37.33', thence east 117.33', thence south 37.33', thence west 15.33', thence South 33.17 thence west 43.34', thence south 7.42' to point of beginning

(⊡) plug set as shown in sketch



Grades for foundation walls for the 8th ward School House

Feb 9 1891 Hamlin level
Caton Rod
Williams Stake

Sta	+	HI	−	Elev	
B.M.	7.39	72.86		65.47	
#	5.90	76.26	2.50	70.36	
B.M.			1.27	74.99	
			7.61	68.65	<—

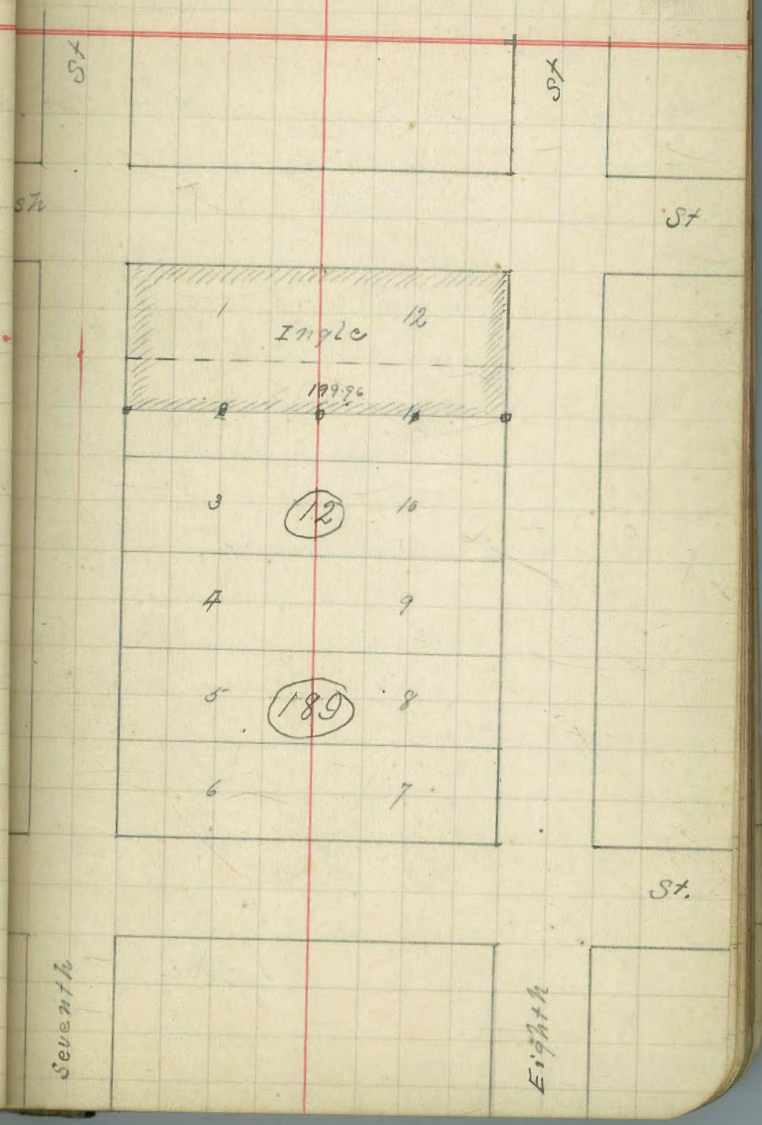
Union & 27th St.

Julian & 27th St.
6" below level of top of floor
Set level line at cors of building for wall.

Sine bet the N & S 1/2 of lots 2 & 11 Blk 12 Bay View Add for H. Ingle

Plug ▫ Set as shown in sketch

Mar 3. 1891 Hamlin
Oxton - chain
Williams Stake
Hemsley - chain



Survey of lot A (N 38') Blk 113 Hortons Add for Mrs Nash ordered by architect Stannard

Mar. 7 1891

Hamlin transit
Acton } chain
Hemsley
Williams Stake

B.M.	+	H.I.	-	Elev

Points on 5th St 1' west of true cen and Points on I St is 1' north of true cen

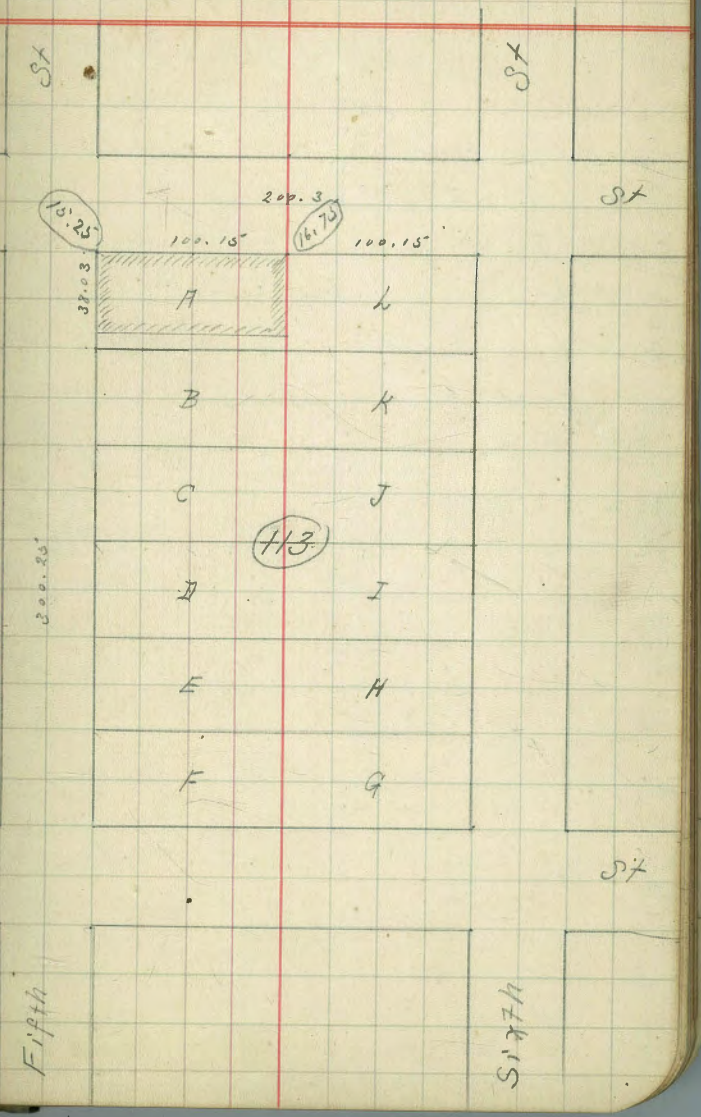
B.M.	4.11	21.19		17.08	5th & I
			grade 15.25	rod 5.94	
			rod 1.43	19.76	B.M. 6th & I

B.M.

Set level line at elev of N.W. cor of lot at S.W. cor and along building South

Hamlin Book
Acton level
Williams Rod
Hemsley Stake

Monday. Mar. 16 1891



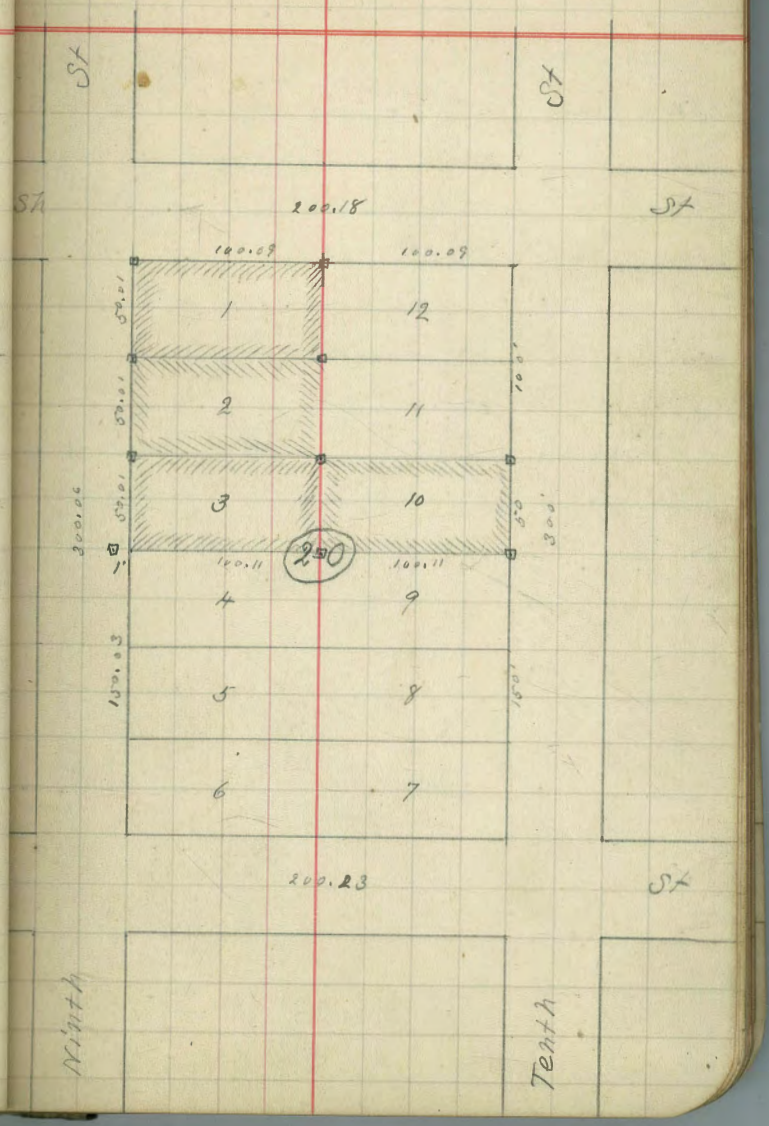
Survey of lots 1, 2, 3, & 10 Blk 20
Bay View Add for G. P. Smith
Ralph Starbird,

Mar. 16 1891 Hamlin transit
Oxton } chain
Williams }
Hemsley Stake

Set plugs as shown in sketch except S.W. cor of lot 3 which is 1' out in 9th St

Note for sketch showing location of fences in blk 20 see Page 4

POSTED

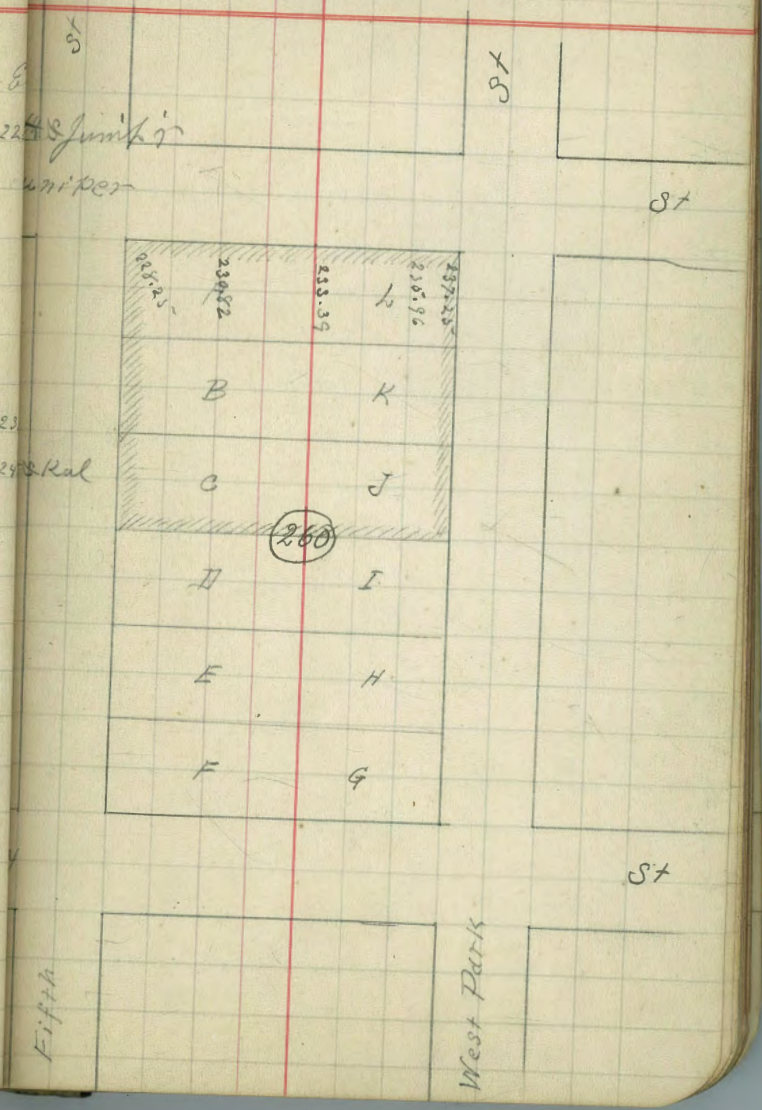


Grades for lots A & L Blk 260 Hortons Add for Gas

Mar. 17 1891

Hamlin Brook Acton level Williams Rod

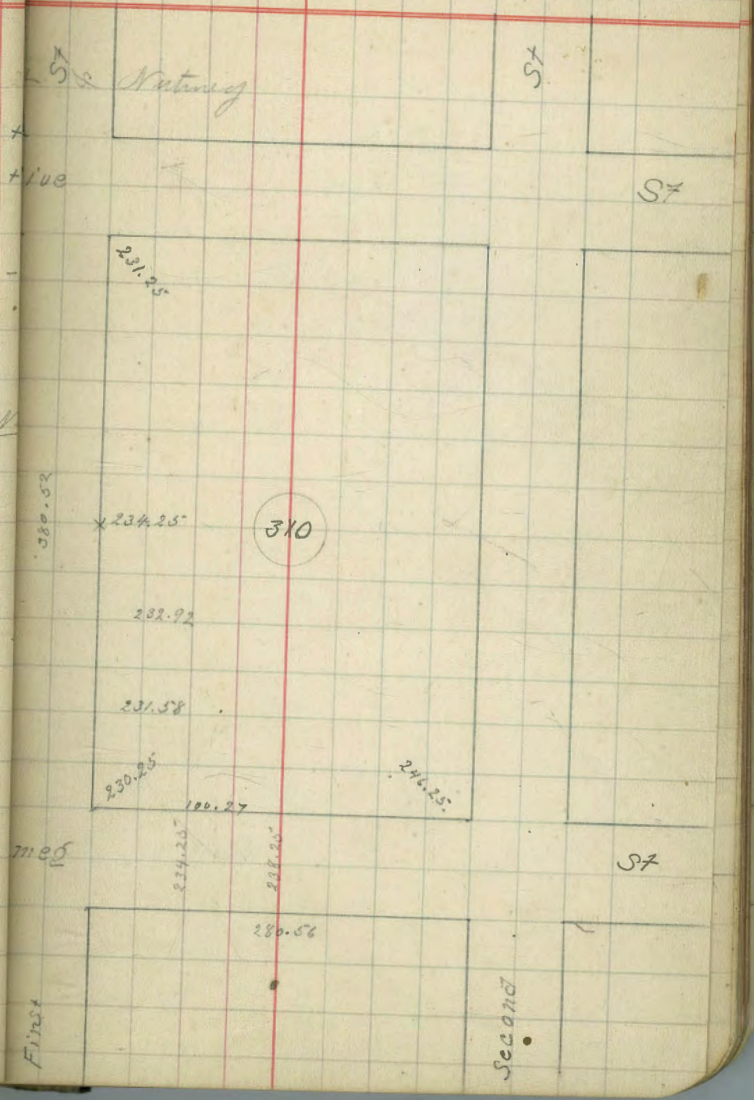
Sta	+	H.I.	Grade	Rod	-	G
B.M.	11.11	239.30				228
0			228.25	11.05		
+50			230.82	8.48		
1			233.39	5.91		
+50			235.96	3.34		
+75	8		237.25	2.05		
#	8.39	245.66			2.03	23
B.M.					5.31	24



Sint & grades for lots E&F Blk 3 Mar 31 1891
Hortons Add, for Judge Works

Hamlin Inst.
Hensley rod & chain
Williams chain
Arton Stake

Sta	+	H	-	Elev	Grade	
B.M.	1.83	236.00		234.17		
0			4.67	231.33	230.25	+
+67 on 1st St			1.09	234.91	232.04	+ ive
#	11.36	246.54	0.82	235.18		
1 on Nutmeg			8.44	238.10	238.25	-
#	10.97	256.71	0.80	245.74		
#	5.26	260.07	1.90	254.81		
B.M.			3.06	257.05 257.01	3rd & N	

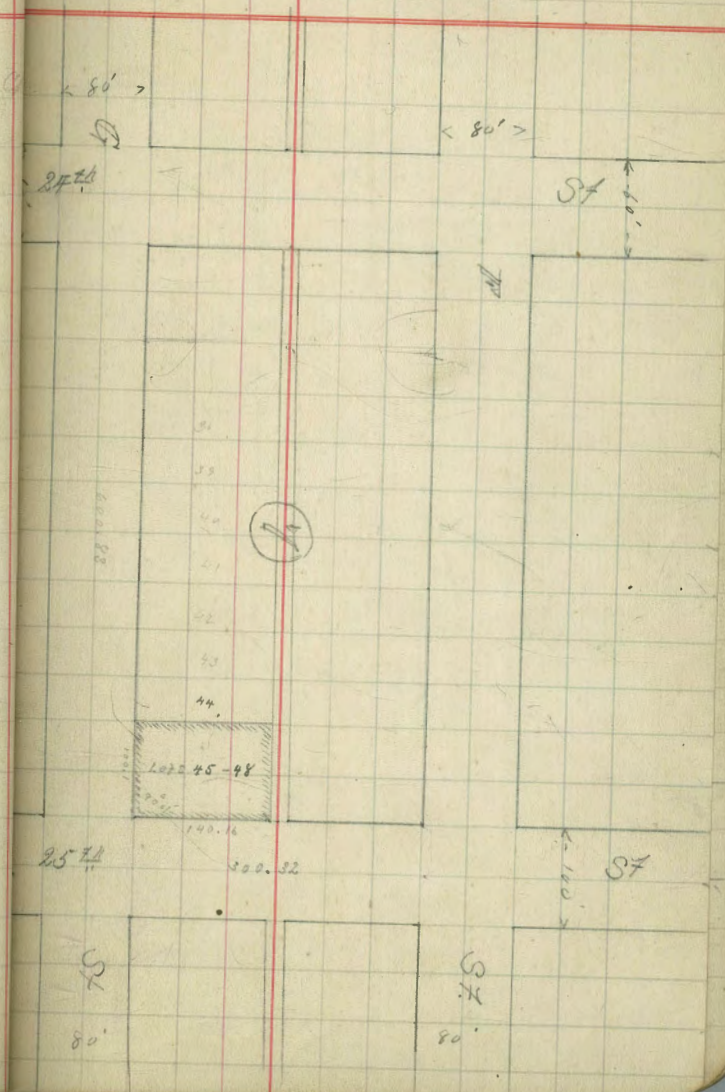


Survey of Lots 45, 46, 47 & 48 Blk
in Breed & Chase's Add
For W. E. Howard (Order No. 6

Sat. Apr 11, 1891

Hamlin transit
Williams } chain
Arton }
Hemsley Stake

North line of G Street in Breed & Ch
Add is 1.86' South of the North line
G St West of 24th St.



H/N. 20 1891

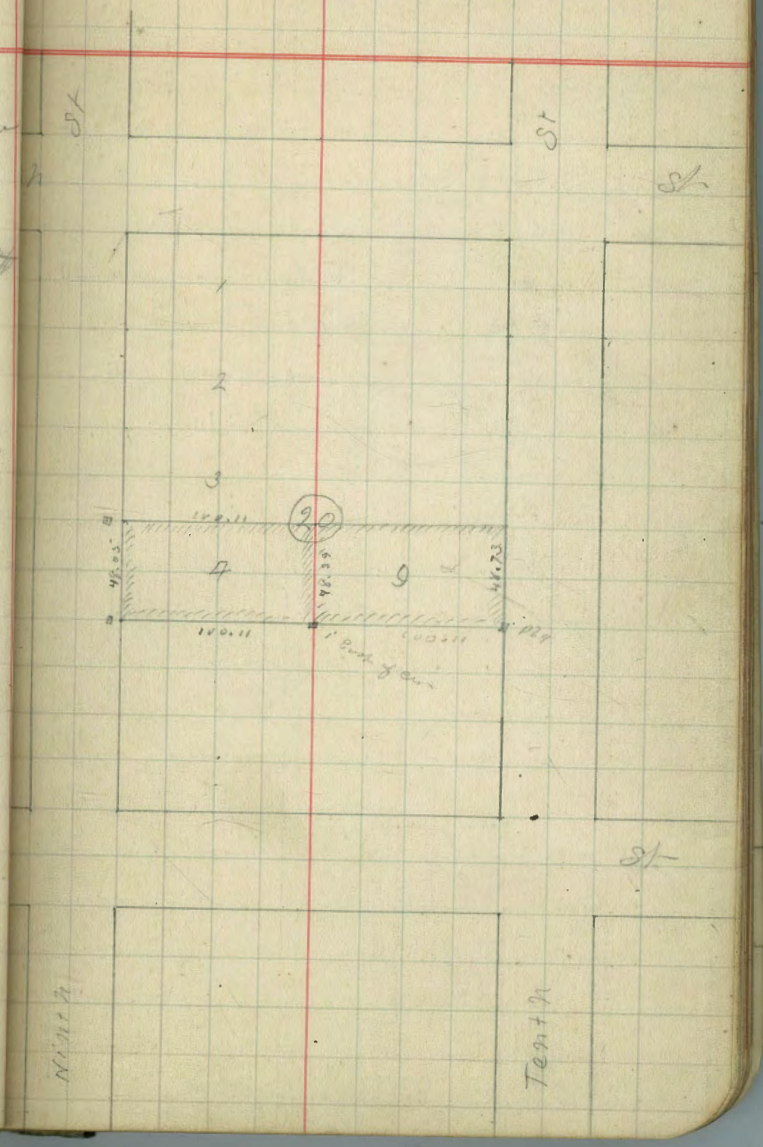
Hamilton Williams Hensley.

Survey of lot 4 blk 20 Bay View Add for Hensley.

Set South line of lot 4 from North line set for Stabind & Smith

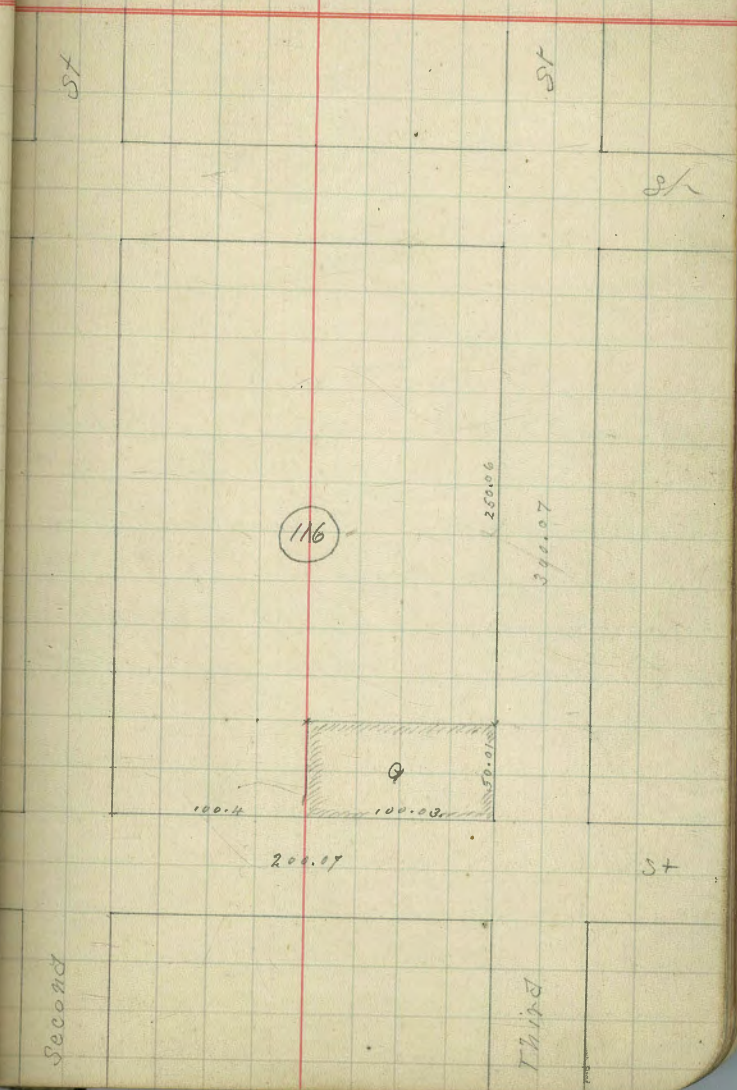
see page 17

POSTED



Survey of lot G Blk 116 Hortons A Apr 25 1891
for Ah Quin

Hamlin transit
Williams } chain
Hemsley }
Orton stake



Survey of lot 3 Blk 15 Bay View
Add for E. F. Brown.

Blk 15 8th bet Beech & Cedar
A/v 25 1891

+	HI	Grade	Rod	-	Elev.	
			A/v. 25 1891			
			Hamlin transit			
			Hemsley } chain			
			Williams }			
			Acton	Stake		
1.98	150.40				148.42 B.M.	
		148.25		5.69	144.71	-3.
		151.25		2.20	148.20	- 3
# 0.69	139.22			11.87	138.53	
# 0.27	127.81			11.68	127.54	
B.M. 9th & Cedar.				7.79	120.03	

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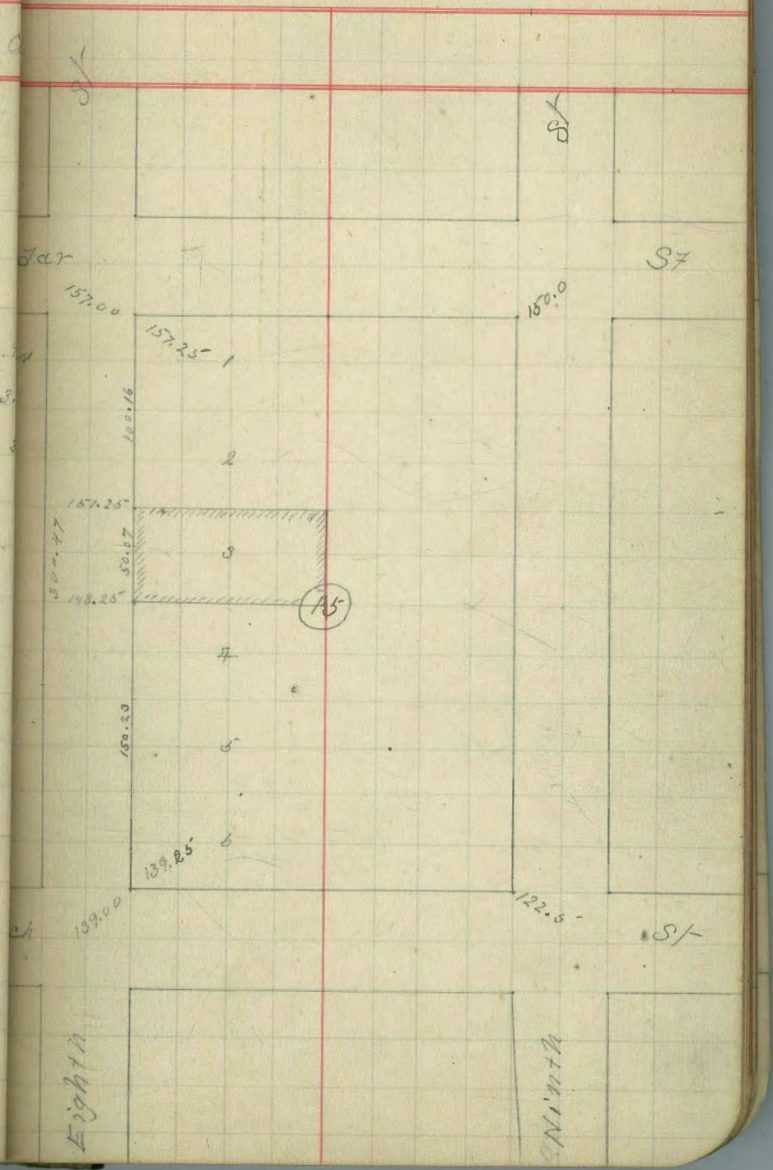
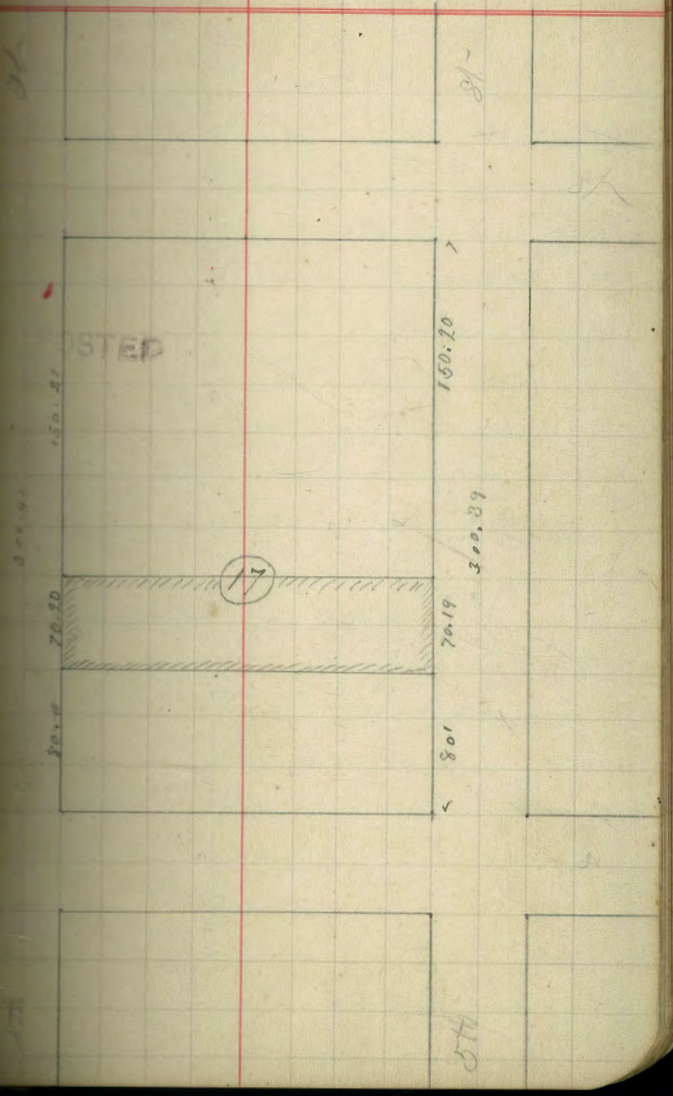


Survey of Opera House Blo[illegible] Mar 30 1891

Hamlin transit
Williams } chain
Orton }
Hemsley Stake

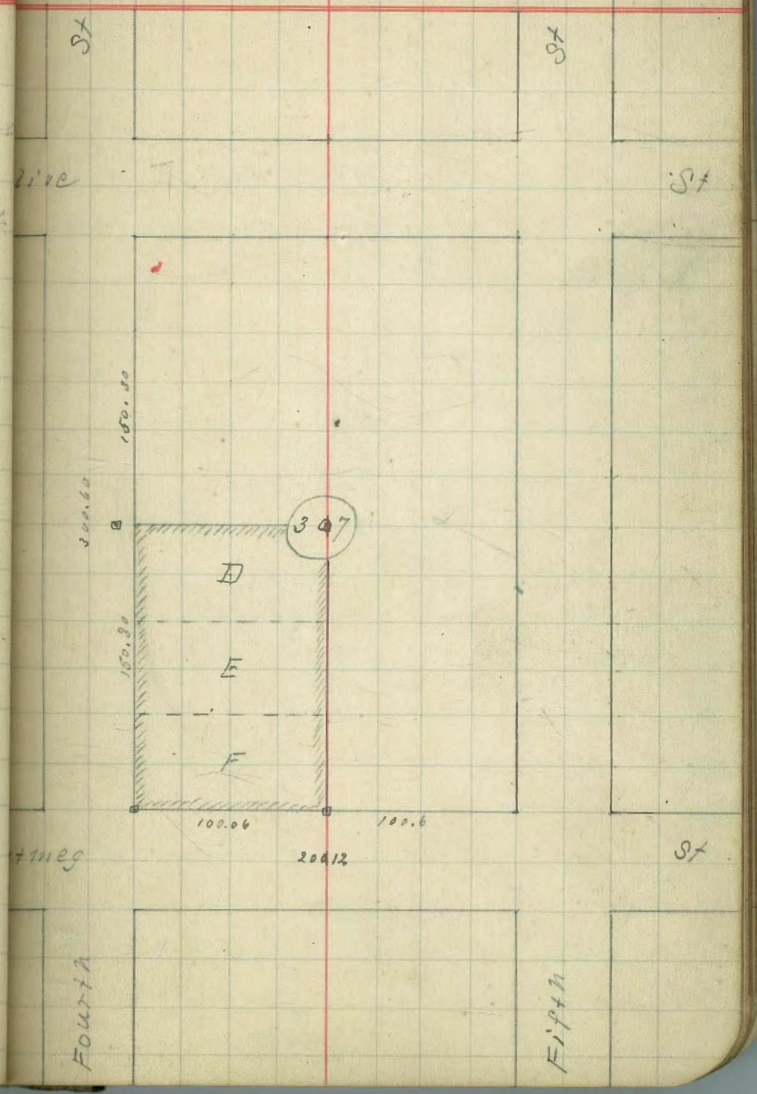
Set points on 4th St 1' out in Street
" " " 5th St 2' out in Street



...y 9 1891

Hamlin transit
Orton Head chain
Hemsley Rear chain

Survey of lots D.E.&F Blk 307
Hortons Add for Mr. Woodward
Keating Estate
set point at N.W. cor of lot 1' west
true corner.

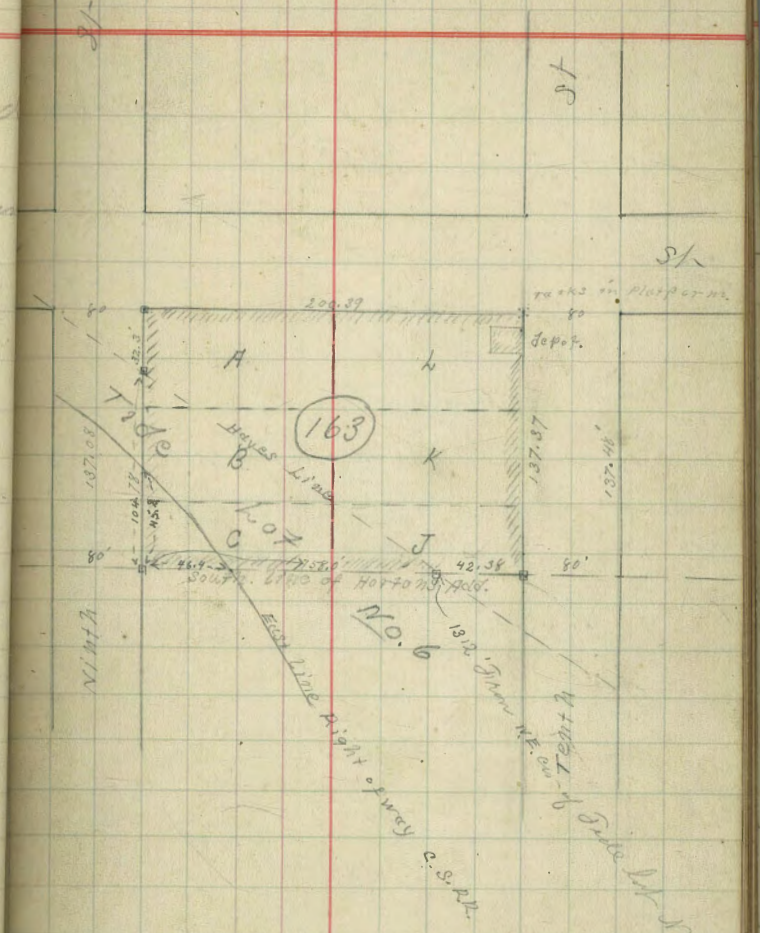


Grades for Opera House fo
Piers,

Sta	+	HI	Grade	Rod	−	E	
B.M.	2.78	52.05			-	49	44 & C St
#	2.69	44.25			10.49	4	
			38.44	5.81			Elev under Stage
			40.44	3.81			East & West Elevs
#	11.02	52.66			2.61	4	
B.M.					3.38	44	44 & C St2

Survey of Blk 163 Hortons Add
showing the Location of the
Hayes line, and that portion
of the block included in
tide Lot No 6

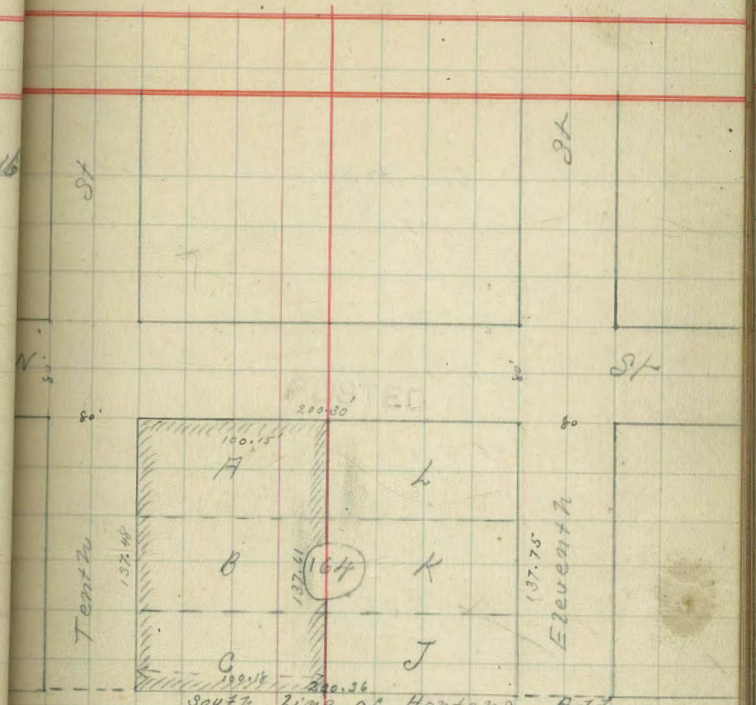
Surveyed May 29 1891
Hamlin transit
Orton Head chain
Hemsley Rear chain
Williams Stake



Survey of the West 1/2 of Blk 16
in Hortons Add

June 29 1891
Hambri transit
Aiton Headchain
Hensley Rearchain
Williams Stake

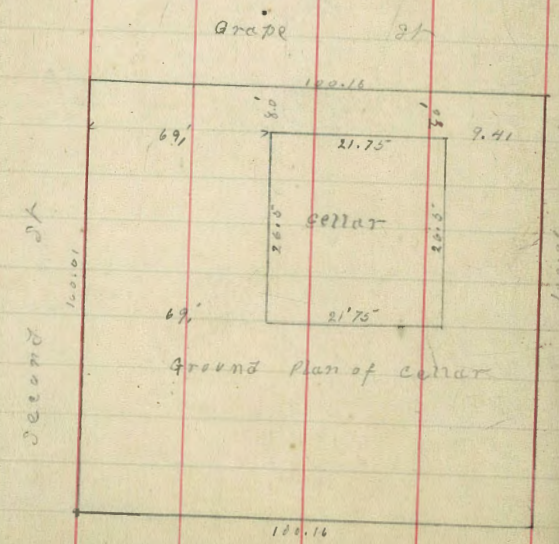
POSTED

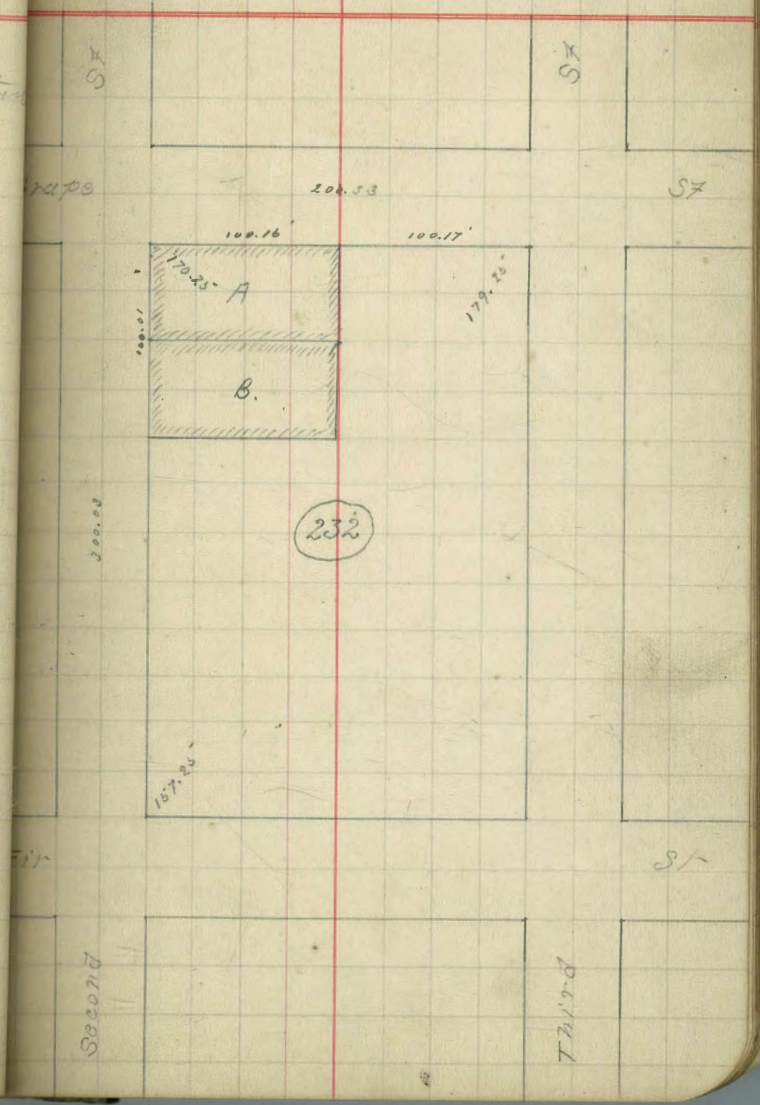


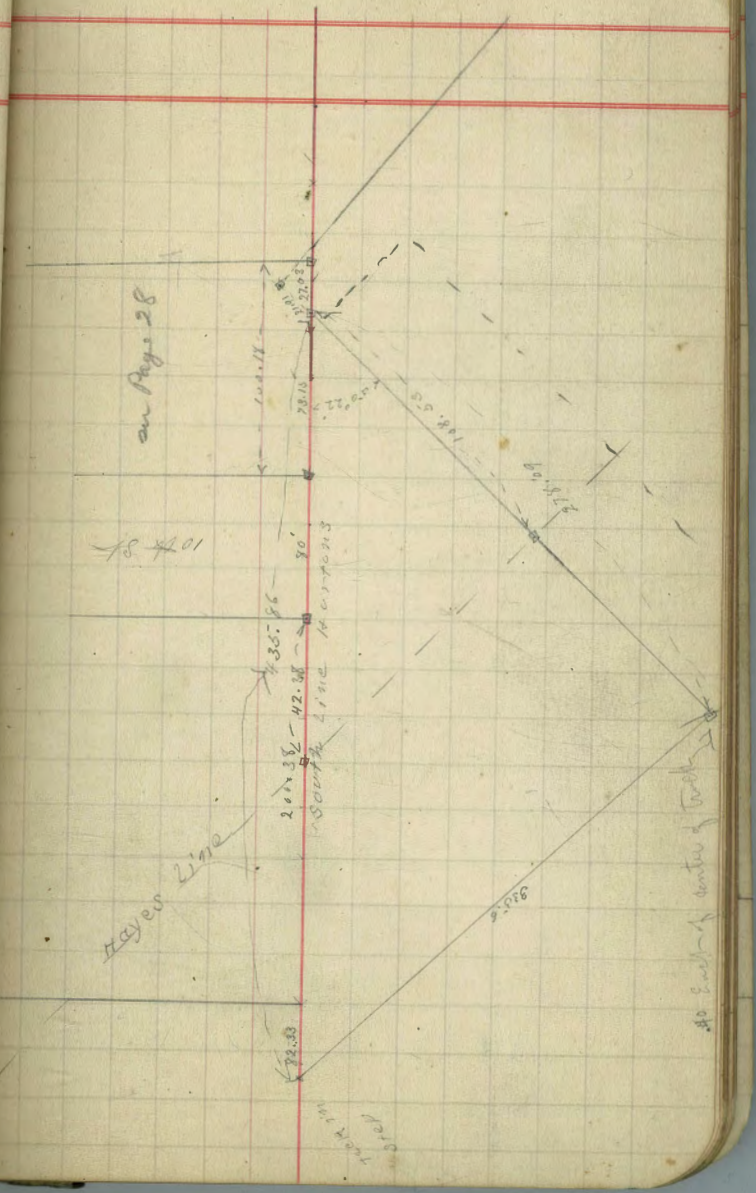
Survey of Lots A+B Block 232 Horton
for Mr. Norman

June 1 1891 POSTED

Hamlin Transit
Hemsley Head chain
Williams Rear chain
Orton Stake






on Page 28
Hayes Line
South Line Hartons
80'
435.86
42.38
200.38
73.15
27.03
108.55
278.09
935.6
82.33
Track in Step
80 Each of center of track

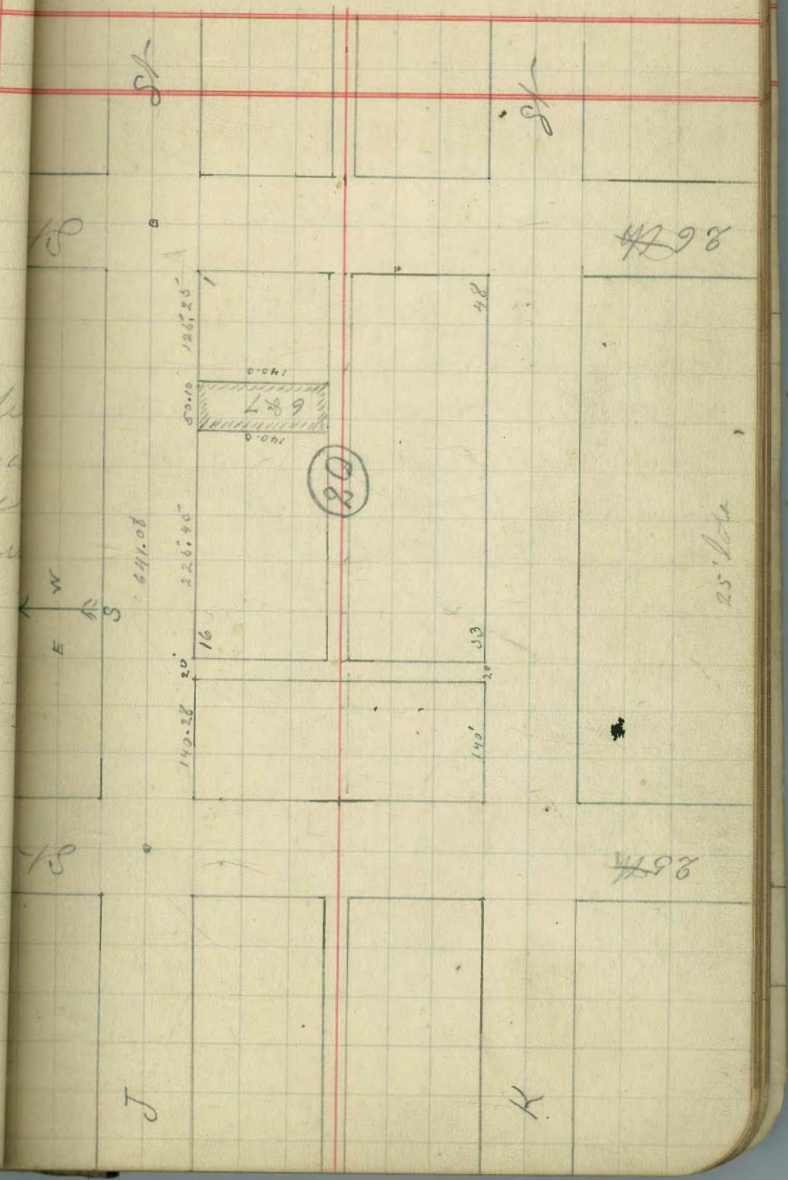
June 5 1891

Hamlin Truss
Aiton Stake
Hess

Survey of Lots 6 & 7 Blk 20
in Kimballs Add
for B. Gould

On line bet Lot 7 & 8, at the
N.W. cor there is an old gas pipe
with wooden plug driven in top w
tack which is 0.33' East of our
point, at the S.W. cor the two Sur
check

POSTED



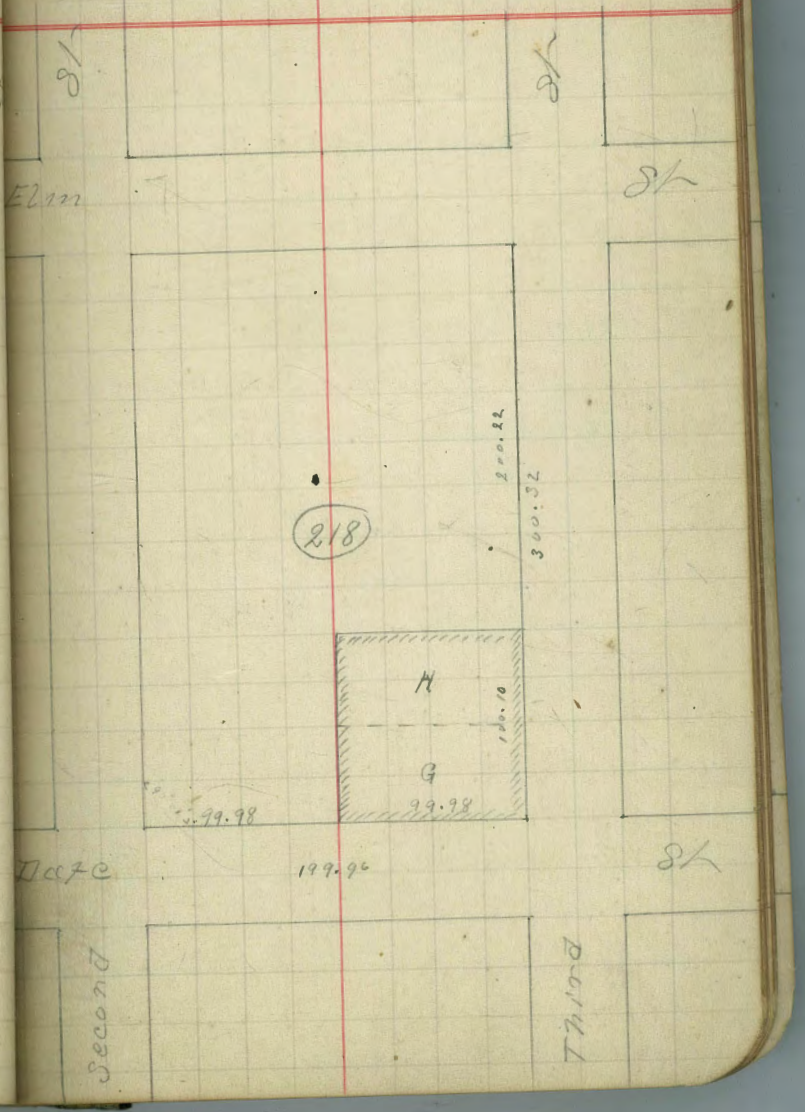
June 7 1891

Survey of Lots G & H Blk 218
for F. D. Jones

Order No 70

Hamlin transit
Williams head chain
Acton " "
Hemsley Stake

POSTED



June 11 1891

Hamlin
Astor
Williams
Hemsley

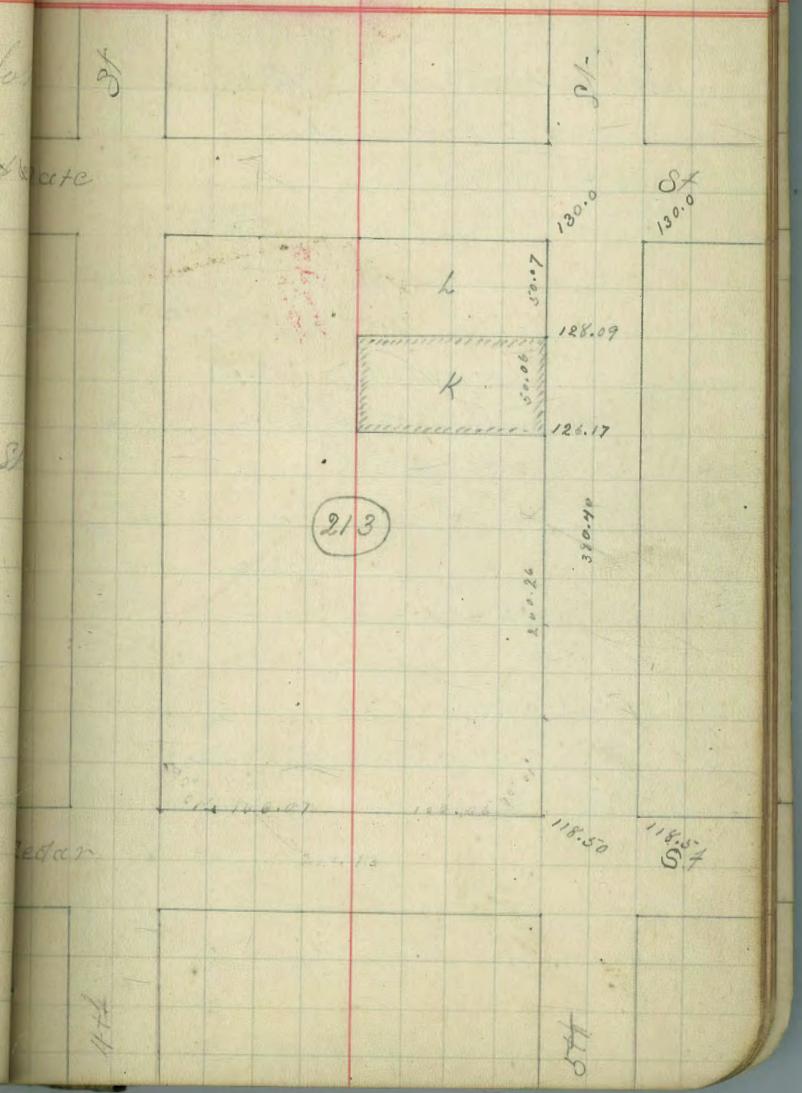
4.47

Sta	+	H	−	Elev	B.M.
Grades and curb lines for Walk at Lot					
K	Blk 213 Hortons Add				
B.M.	11.87	128.27			116.40 St Gate
			126.17	2.10	
			128.09	0.18	
#	6.77	134.86	0.18	128.09	
B.M.			1.17	133.69	

curb .35 high on North line
" .39 high on South of Gate St

By order of Mr Hunkin
for Duay A Johnson

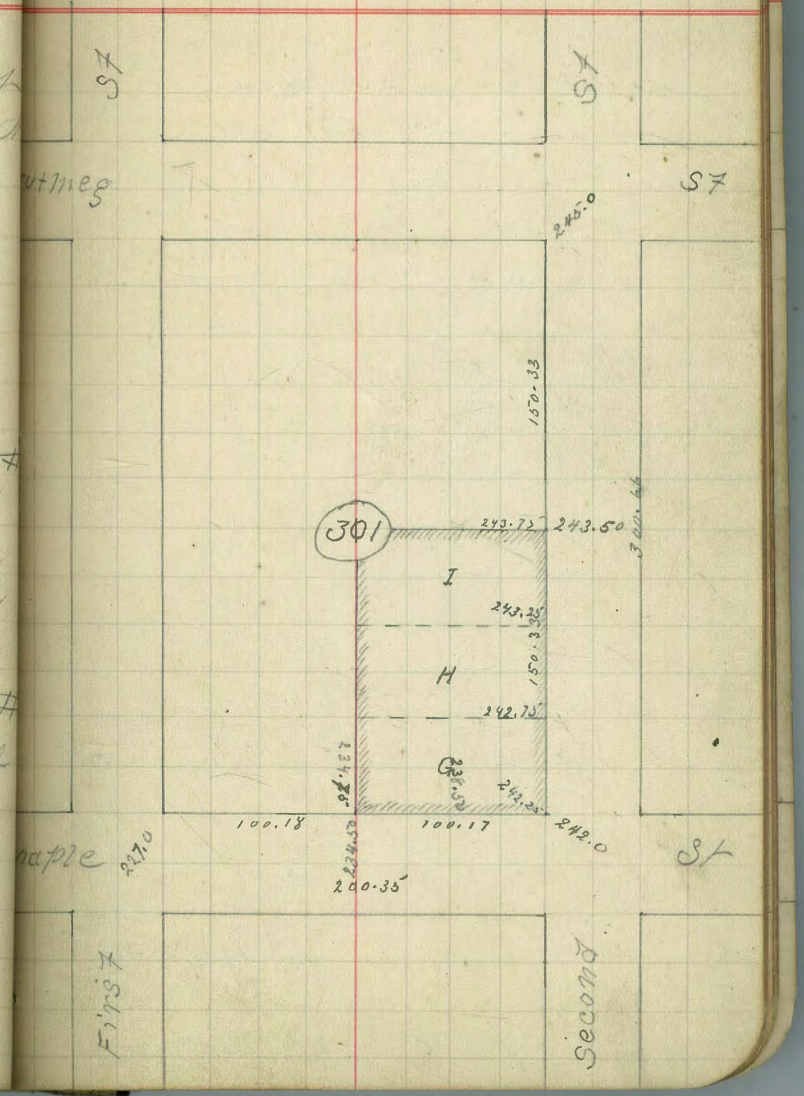
134.86
4.47
.39



June 17 1891

Hamlin
Acton
Williams
Hemsley

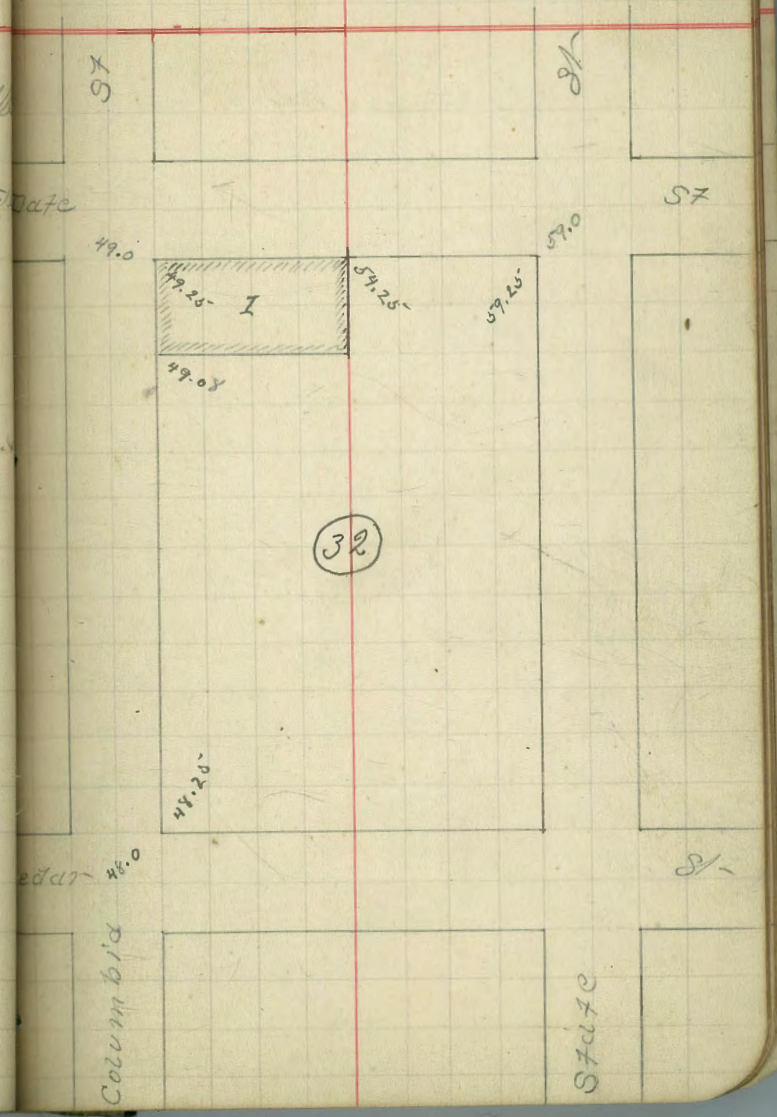
+	HI	−	Elev.	Grade	Cut	
Sines and Grades for at lots G, H, I Blk 301 Hortons for A. F. Starr, Ordered by Smith						
11.29	240.28		228.99	1.8 ft & Maple		
		~~6.41~~	~~233.87~~	234.75	Rod 5.53	
		~~2.18~~	~~238.10~~	238.50	Rod 1.78	
9.60	249.15	0.73	239.55			#
				242.25	6.90	✓
				.50	.50	
				242.75	6.40	✓
				.50	.50	
				243.25	5.90	✓
				.50	.50	
				243.75	5.40	✓
7.51	255.63	1.03	248.12			#
		5.27	250.36	B.M. 3rd & Maple		



June 17 1891

Hamlin
Octon
Williams
Hensley

Sta	+	HI	Grade	Rod.	BM	
Grades for lot 1. Blk 32 Middle town for Geo. P. Burke						
B.M	0.43	63.74			63.31	State
			54.25	9.49		
#	3.54	55.88		11.40	52.34	
			49.25	6.63		
			49.08	6.80		
B.M.				8.32	47.56	column



Check of Grades at cor of 6th & 1st Sts for Price N.E. cor of Street

Sta	+	HO	−	Elev	Grade	
B.M.	3.90	29.95		26.05		6th & H St
0			4.78	25.17		Beginning at East end of Return and
+05			4.83	25.12		measuring around to the North end.
+10			4.86	25.09		along curb line
+13			5.08	24.87		
+15			4.88	25.07		
+20 = 0			4.88	25.07		
+25 = 0	N line		4.81	25.14		North end of Return
+25			4.39	25.56		
+50			3.97	25.98		
+75			3.60	26.35		
0			4.67	25.28		Beginning at East end of Return and
+05			4.67	25.28		taking elevs along outside of Gutter
+10			4.73	25.22		
+13			4.83	25.15		
"			5.10	24.85		In hole in gutter where it has settled
+15			4.69	25.26		
+20			4.68	25.27		
+25 = 0	N line		4.55	25.40		North end of Return

Sta	+	HO	−	Elev
+ 25		29.95	4.20	25.75
+50			3.70	26.25
+75			3.33	26.62
BM.			2.31	27.64

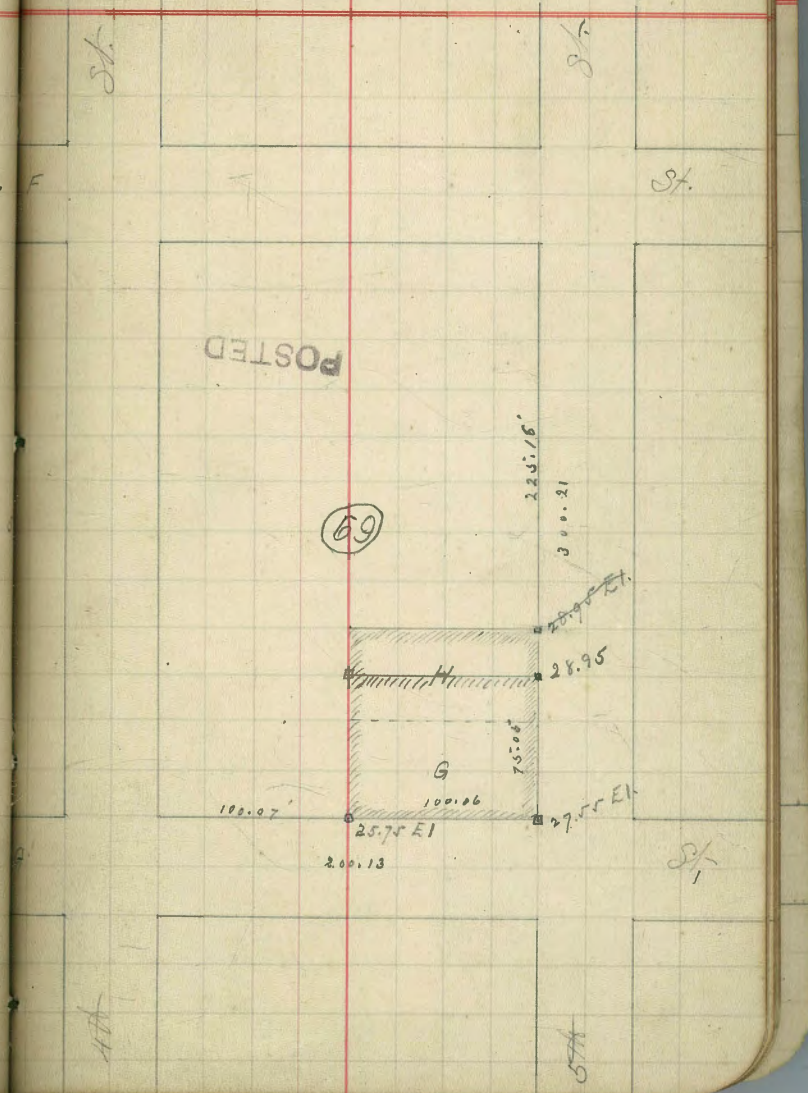
7th & Holly

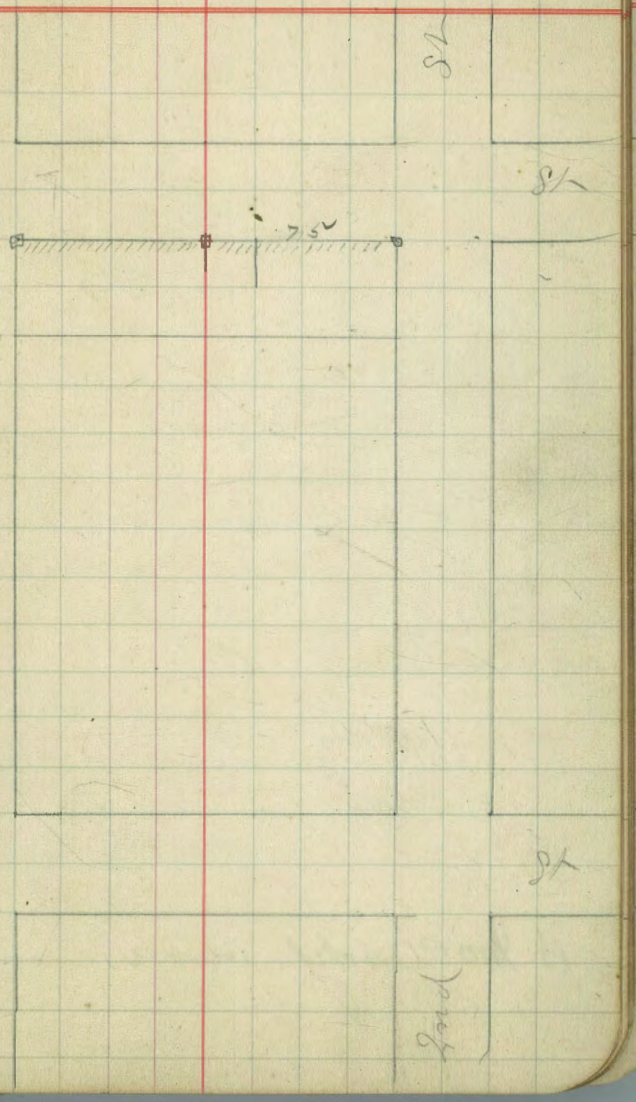
June 11 1891 Hamlin transit
Oates
Williams
Hemsley.

Survey of Lot G & S½ of lot H Blk 69
in Hortons Add
Ordered by Stannard
for A.A. Cole
Set points for N.E. & SE cor of lot
3' east of true cors
The S.W. cor 1' south of true cor
and the N.W. cor in place

+	H.I.	Grade	Rod	–	Elev
6.32	30.43				24.11 BM
BM 5th & G St				2.08	28.35
grade N.E. cor.		28.95	1.48		
		25.75	4.68		
		27.55	2.88		
			25		
			3.13		
# 4.21	29.96			4.68	25.75
75 W of 5th St.		26.20	3.76		
		27.55	2.41		

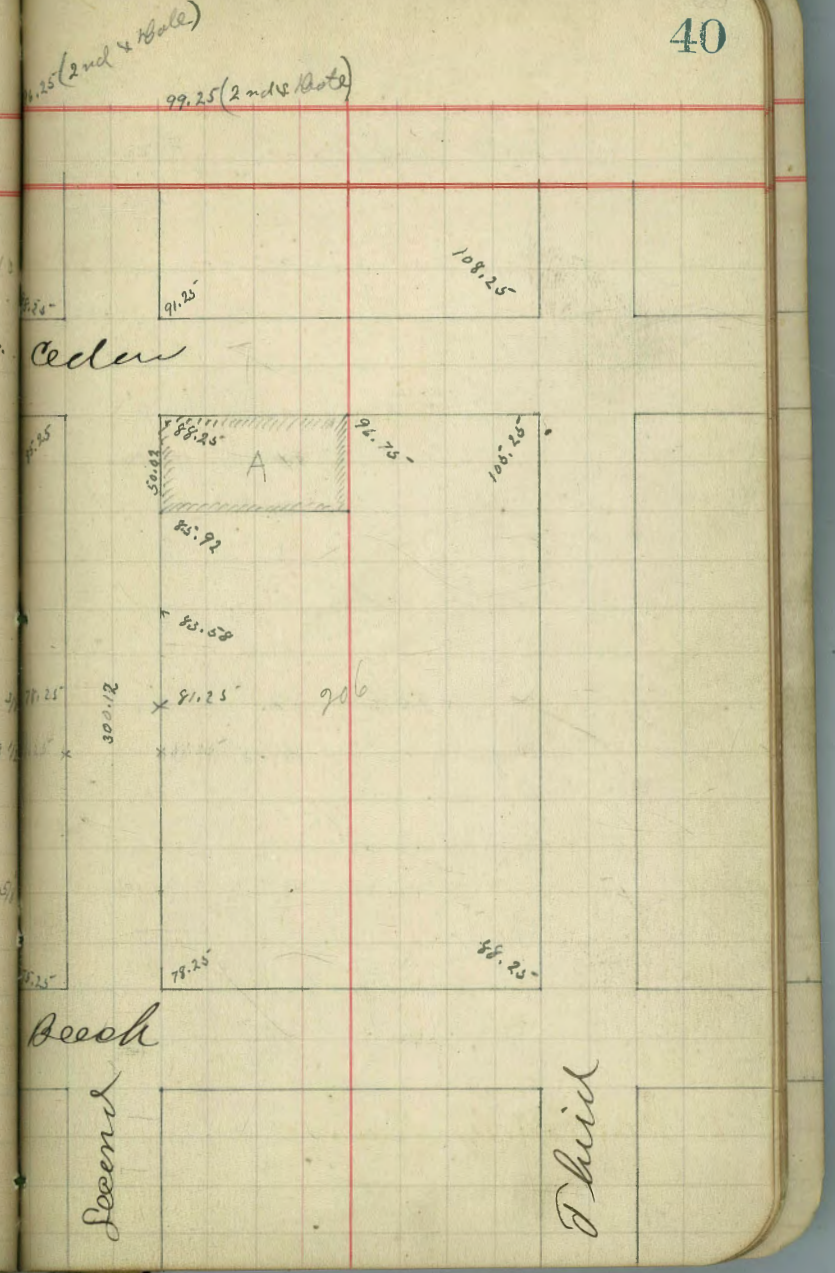
Grades given June 29 1891
Hamlin Level
Oates Rod
Williams Stake.





+	HI	Grade	pod	−	Elev	
0.30	100.49				100.19	2nd
Walk on N.E. Cor gt				8.48	92.01	
#3.60	94.50			9.59	90.90	
				6.2	88.3	
				5.6	88.9	
				8.7	85.8	
				7.6	86.9	
		+	Elev.	Grade	cut	
		7.55	86.95	85.92	1.03	1' 3/
		5.54	88.96	88.25	0.71	8 1/
#						
11.00	104.06	1.44	93.06			
		6.51	97.55	96.75	0.80	9 5/
7.66	109.68 ~~108.69~~	2.04 ~~3.03~~	102.02 ~~101.03~~			
# 6.61	113.18 ~~112.19~~	3.11	106.57 ~~105.58~~	B.M. 3rd & Cedar		
B.M.		2.28	110.90	4th & Cedar		

B MacCready owner



Sta	+	HI	−	Elev			
B.M.	11.94	~~112.85~~		100.91			B.M. Stake & Second
B.M.			1.86	110.99			2nd & Stake
	11.94	112.13		100.19			B.M. Second and Stake
			1.86	110.27	110.20	high .07	B.M. 2nd and Stake
			5.58	106.55	106.48	.01	B.M. 2nd and Stake
B.M.	0.53	100.72		100.19			B.M. Second & Stake
# 2.88	94.79		9.81	90.91			
			5.83	88.96			on N.W. Cor Lot.
#	11.30	104.36	1.73	93.06			
			6.81	97.55			
#	7.97	109.99	2.34	102.02			
B.M.			3.41	106.58	106.48		B.M. 2nd and cedar.

Sta	+	H.I.	−	Elev	Grade	Cut
Survey of Lots B & K Blk 261 Hawkins Add for W.P. Adams.						
B.M.	0.87	243.22		242.35'	Kal & 5th	
			3.02	240.20	238.59	1.61
			4.82	238.40	236.92	1.48
#	1.56	236.48	5.30	234.92		
B.M. Junip. & 5th.			8.29	228.19		

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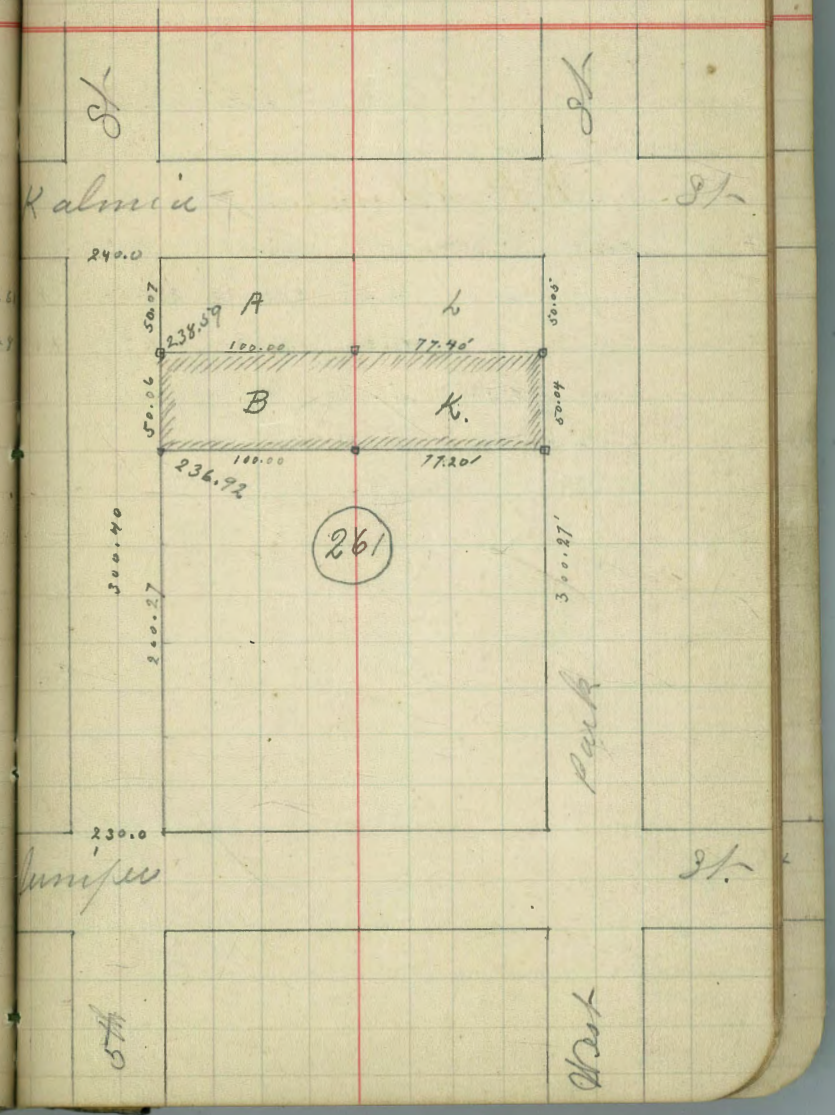
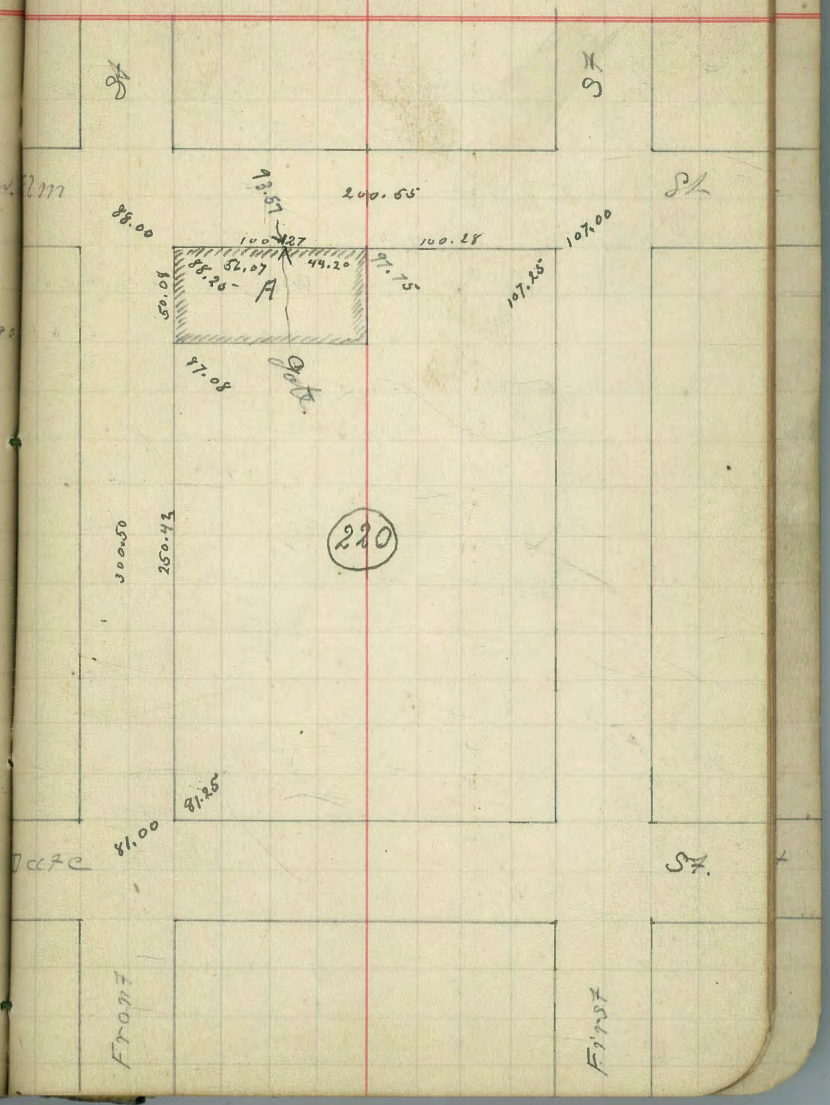
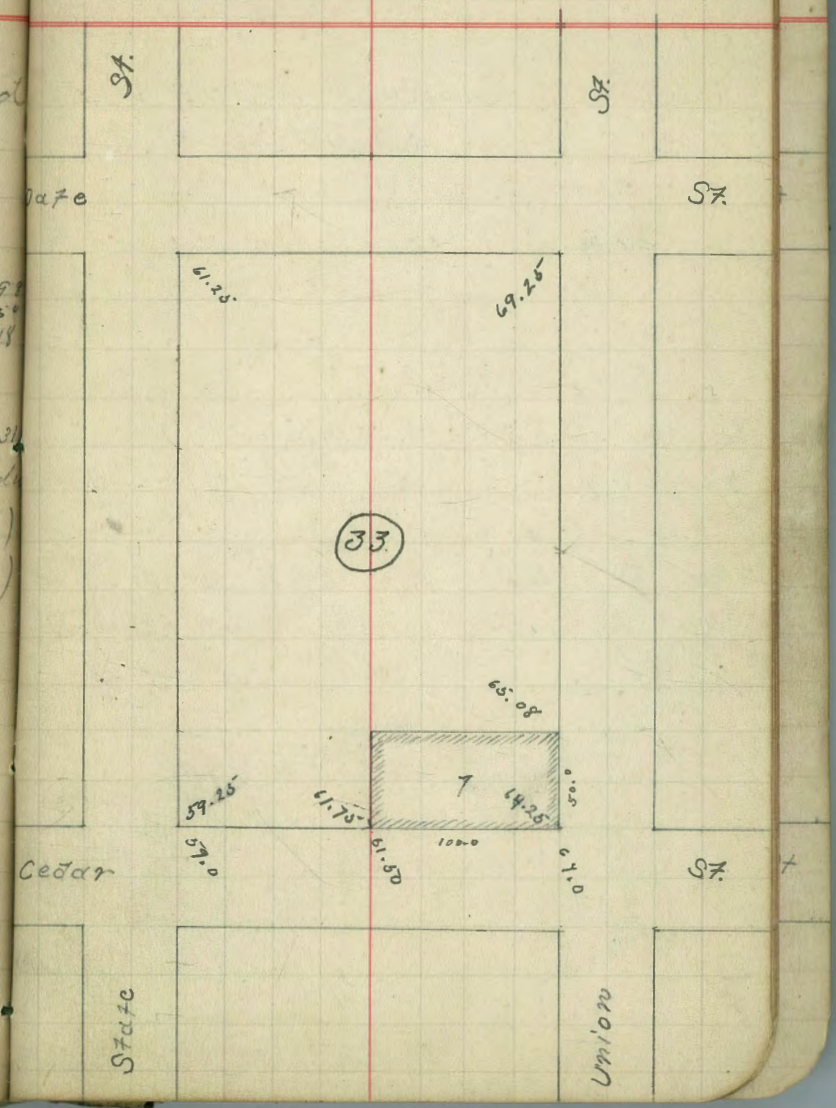


+	HI	Angle	Rod	Elev
Lines and Grades for lot A blk 220 Hostins Addd. W.J. Sloan				
0.72	112.63			111.91 B.M. 1324 Elev. 2m
# 2.11	103.06		11.68	100.95
		97.75	5.31	Measured with rod - 2.1
# 0.84	93.53		10.39	92.67 93.57 - 0.90
		88.25	5.26	
		1.17	1.17	
		87.08	6.43	
B.M. Turn & Elev.			7.60	85.91



July 22 1891 Hamlin inst Alan Williams Hemsley.

+	BS	−	Elev	Grade cut	Rod
Lines and grades for A.H. Mallard Lot 7 Blk 33 Middletown					
9.00	66.48		57.48		
				61.50	4.98
				2.50	2.50
				64.00	2.48
# 3.39	67.39	2.48	64.00		
				65.08	2.31
# 1.46	57.77	11.07	56.32	cut 148' South of Cedar	
		3.97	53.80	cut (150 " " ")	
		5.40	52.37	cut (200' " " ")	
		4.85	52.92	B.M. Beech & Union	



Aug 3 1891 Hamlin transit
Hemsley Neal chain
William hind chain
Acton Stake

Survey of lot C Blk 207 H A
for M. A. Lensenbrenn
Ordered by W. S. Sloan
Order No 72.

Survey of Lot F Blk 207
Sept 1. 1891.

Surveyed lot I. for E. Senlip June 17 9
See Order No. 117.

Sta	+	HI	−	Elev	Grade	Rod.
B.M	5.80	83.44		77.64		
					77.25	6.19
#	9.58	92.91	0.11	83.33		
B.M			1.12	91.79		

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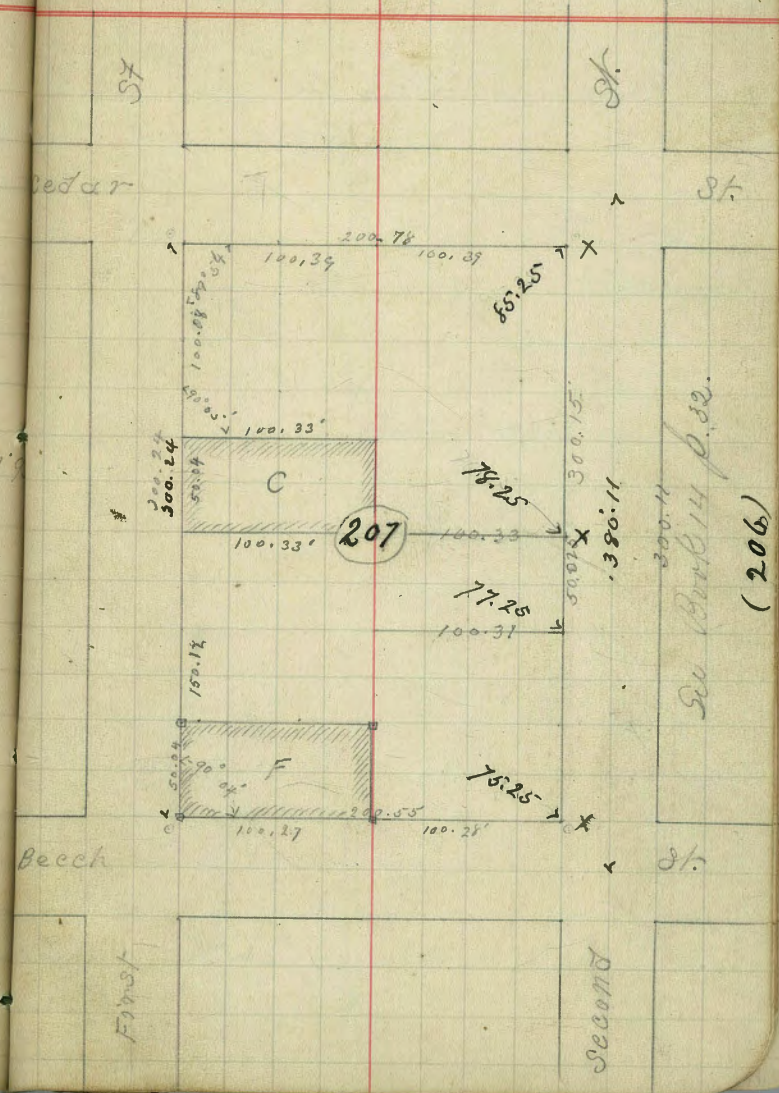

Aug 20 1891 Hamlin transit
Acton head chain
Hemsley hind "
Williams Stake

+	HI	-	Elev	Grade	Rod	cut
Survey of lots 5 & 6 Blk 63 Culver-well & Taggarts Add.						
for Chas Siebert						
7.39	138.22		130.83	B.M. 22nd & G		
				130.75	7.47	✓
				3.75	3.75	
				134.50	3.72	✓
		0.87	137.35			

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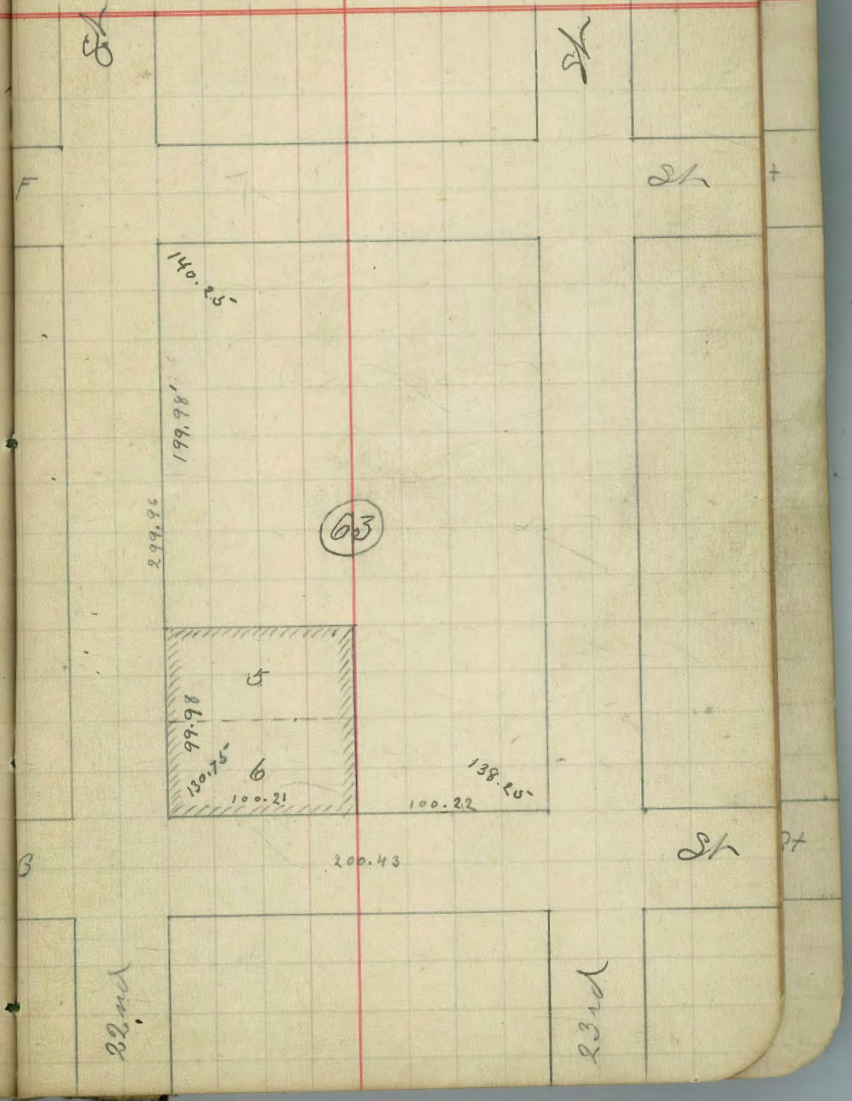

Sept 8 1891

Hamlin
Hemsley
Williams

47

Survey of Lot H Blk 53 Hanscom Add for J. Simpson

the N.W. and S.W. cors are 1' West of Point of Sch.

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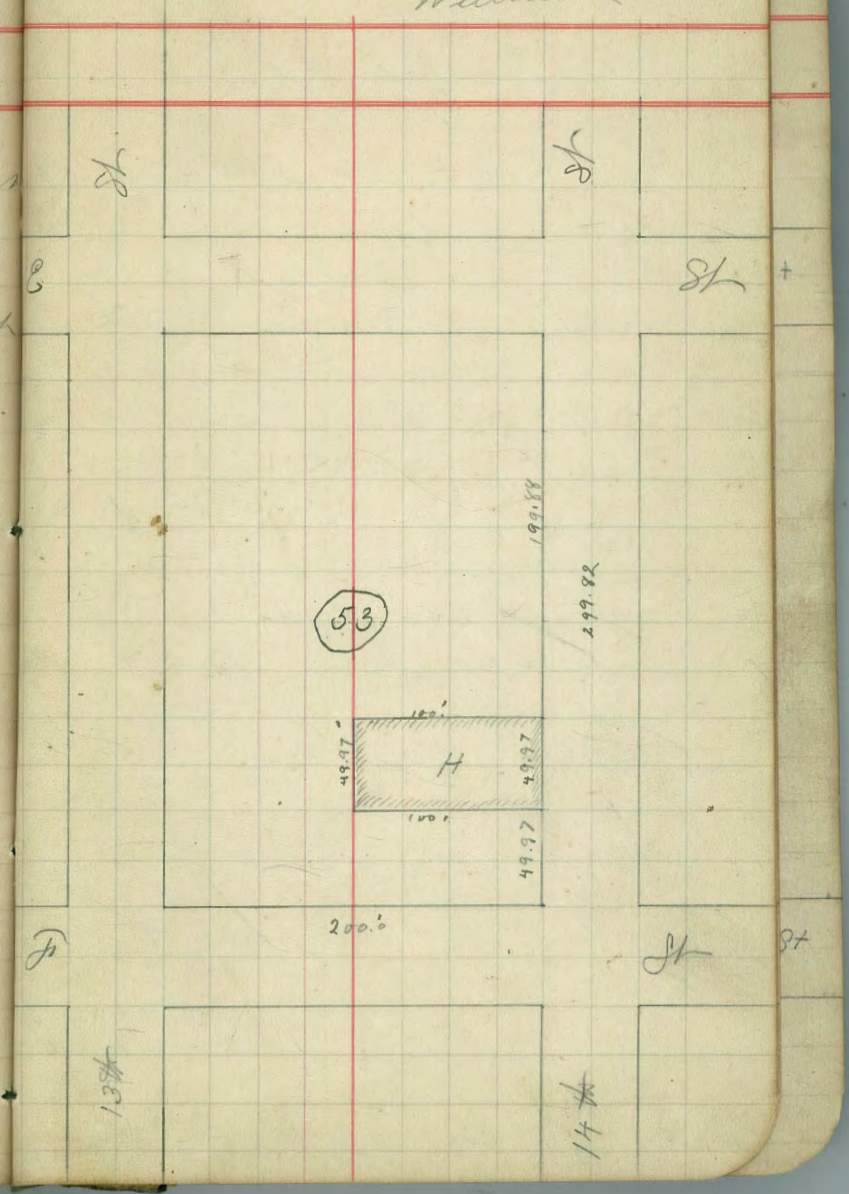

Sept 12 1891 Hamlin transit
Willraine } chain
Hemsley }

+	HI	Grade	Rod	−	Elev	cut
Survey of Lots 4 to 9 Blk 49 Sherm Add						
For E G Hulin.						
Ordered by Mr Hurry.						
3.51	66.76				63.25	B.M. 19th St
		57.25		3.28	63.48	6.2
B.M. 19th & do St.				2.78	64.02 / 63.98	
	1) 149.93 / 49.98					
Set joints bet lots 4 & 5 9 & 8						
Dec 24 1891						

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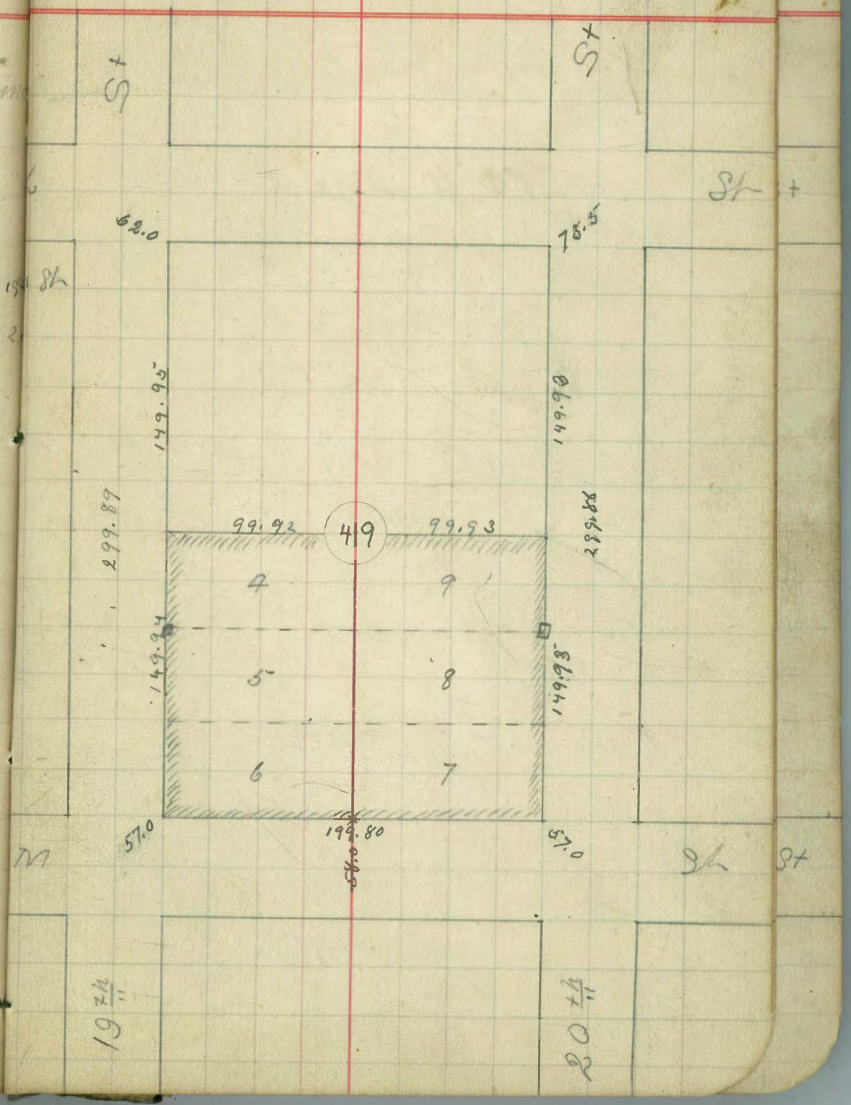
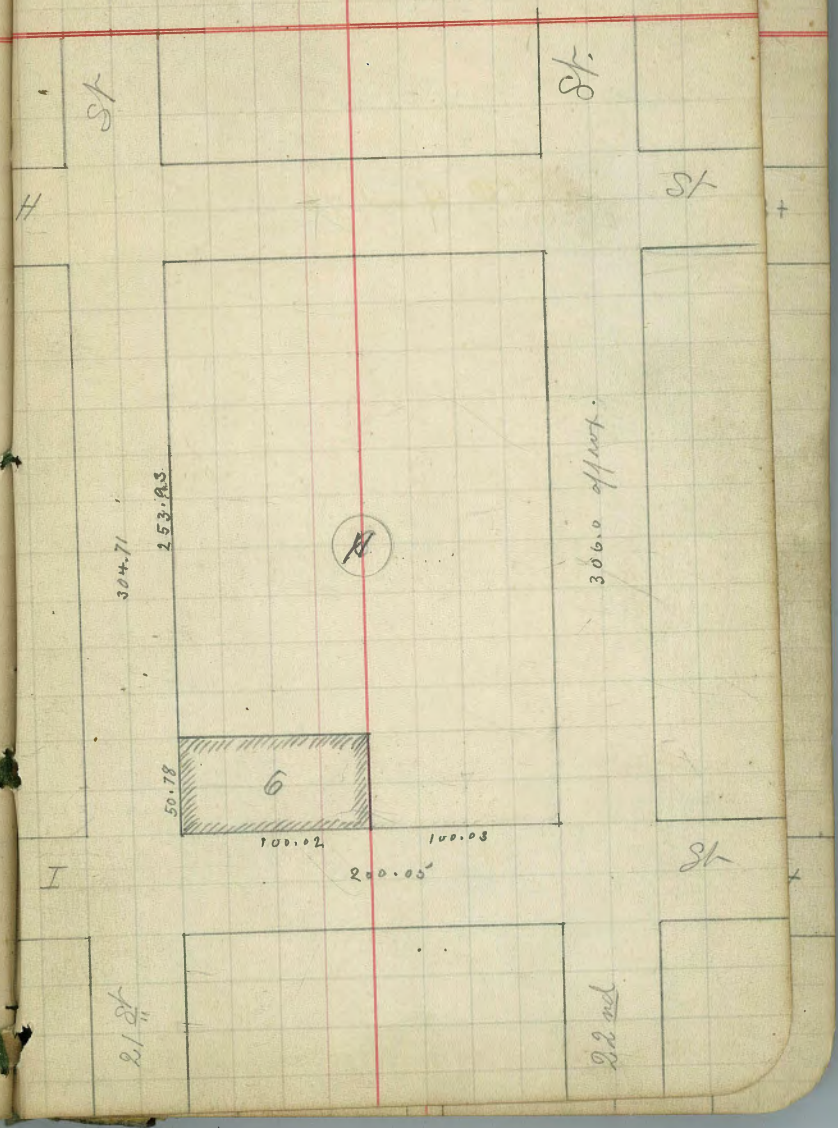


Survey of Lot 6 Blk 11 Sherman's Add

for C.O. Hodge

Sept. 12 1891

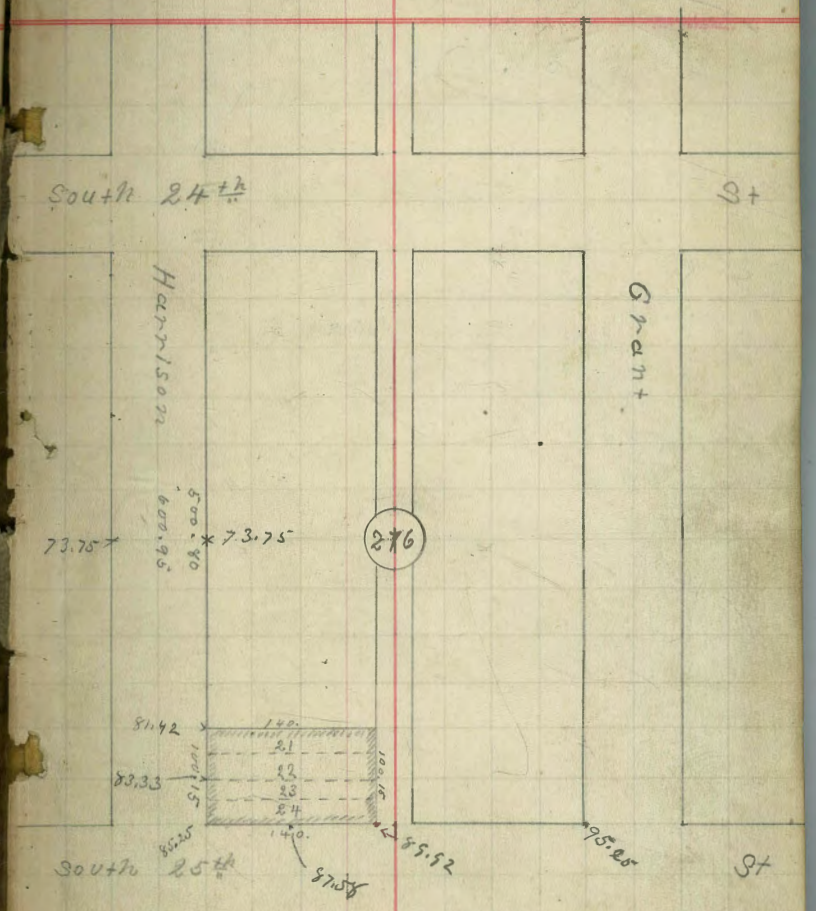
Hamlin transit
Williams
Hemsley } chain



Sept 12 1891

Hamlin transit
Williams
Kemsley } chain

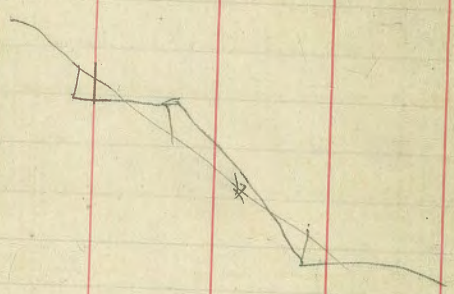
+	HI	Grade Rod	Elev	
Survey of Lots 24 to 24 Blk 276 in the Land & Town Co's Add for Ed. Winsby				
Levels Set Nov 10 1892 by Williams & Van Horn.				
+	HI	+	Rod	E
2.48	84.95		Grade	87.47
0		POSTE	4.70	85.25 Harrison
1.50			6.62	83.33
1			8.53	81.42
0+70			23.7 -	87.54 25 St
11.54	100.41	1.04		88.87
1+40			10.59	89.92
3.07		103.22	0.66	100.15
B.M.			1.17	102.05



+1

Sar
the

Leve
Willia
+
2.48
0
+50
1
0+70
11.94
1+40
3.07
B.M



88.2
81.25

157.25
139.25
6) 18
3.00
1
18

138.25
130.75
17.50
3.75
130.75
134.50

$\frac{2}{3} \times 7$

3) 14
4.67
81.25
85.92

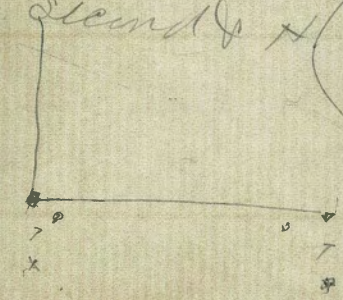
139.25
18
157.25

S H C & E

162 - 163 - 164

87 Cleveland

Second & H (S.W. Sh)



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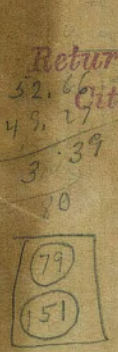

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