STREET CENTERS

MISCELLANEOUS NOTES OF
LAND & TOWN CO'S ADD ETC

Cadwalladers book

8

23

2

F.B. 75

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

75

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

Minutes.	Lks.	Minutes.	Lks.	Minutes.	Lks.
1.....	$2\frac{1}{3}$	21.....	49	41.....	$95\frac{2}{3}$
2	$4\frac{2}{3}$	22	$51\frac{1}{3}$	42.....	98

Book no. 75

name date.

D.

DR ... MENTS, ETC.,
... ERS,

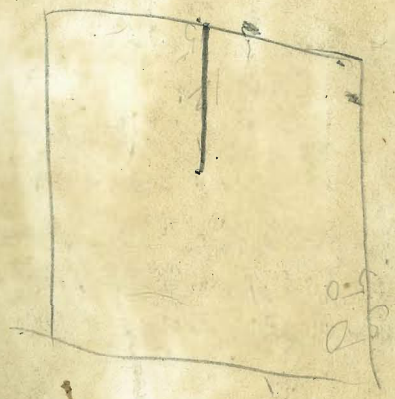
... d, the number of
... easurement.

A...	...le.	Cor. in links.
		10·54
		11·26
		12·24
		13·37
		14·34
		15·47
		22·07

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

74

R. Cadwallader



Whitney's Add - 2-3.
Pueblo Lot 1152 - 6-7-8
Hoetts Add. 10-9-11
Bay front of L & T and M & S - 4-5
L & T Cas (important) - 12

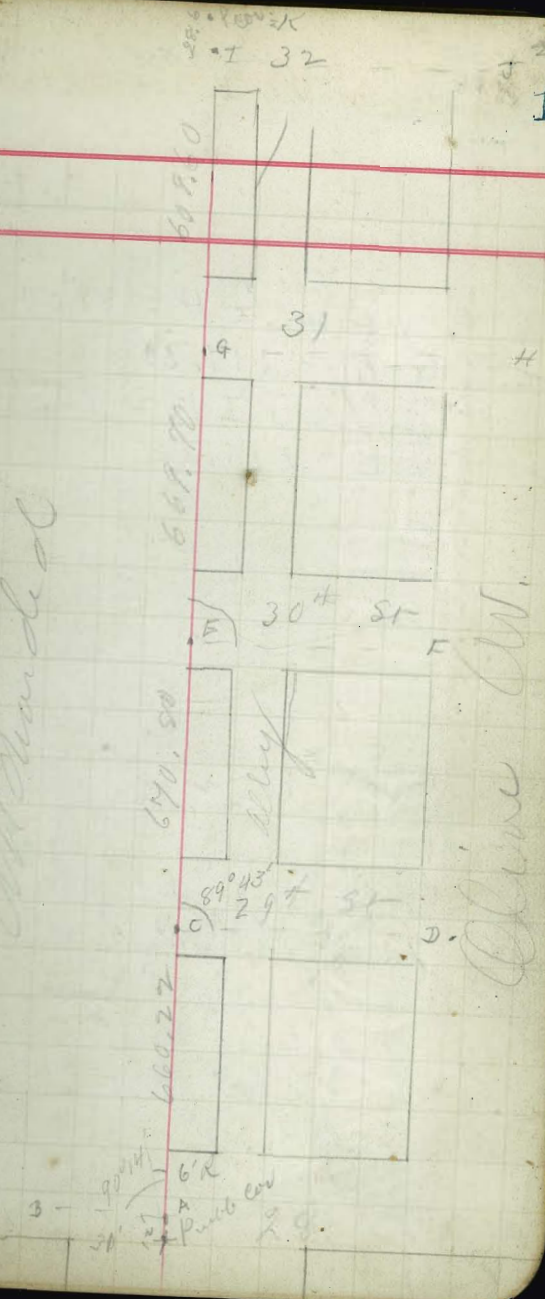
1

4.

Clive Av.

Monday June 4th 1888

- From the Pueblo cor East to the center of the Pline + 28th St is 5.03
- There is an angle in the Pueblo line of .06' Right
- From cen of 28th to cen of 29th 660.22
- From cen of 29th to cen of 30th = 670.80
- From cen of 30th to cen of 31st 669.70
- From cen of 31st to cen of 32nd St 609.60
- From cen of 32nd east to Pueblo cor 28.60
- Angle B A C = 90°14'
- " E C D = 89°43'
- C D = 221.55
- Angle G E F = 89°51'
- E F = 219.34



- Angle I G H = 89°50'
- G H = 217.30
- Angle J I K = 90°04'
- I J = 215.35

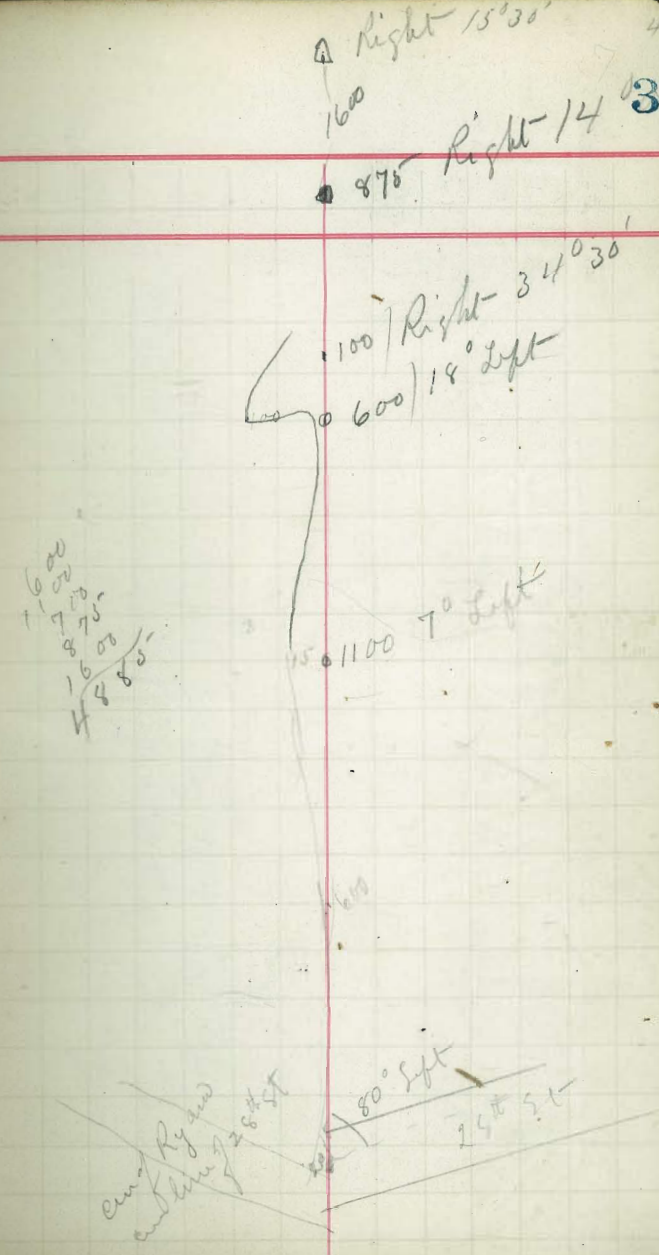
5.03
660.22
670.80
669.70
609.60
28.6
26 43.95 – Pueblo line

Chained this through as a whole and made it 2643.45

June 5th 1888

Notes on bay front from

28th west



600
1100
710
875
1600
4885

cen of P + 21st
to cen of 22 + P st
Right 139°53'

to cen of P.st. + 21st
Left 44°01'

angle of shore
270 Right 500

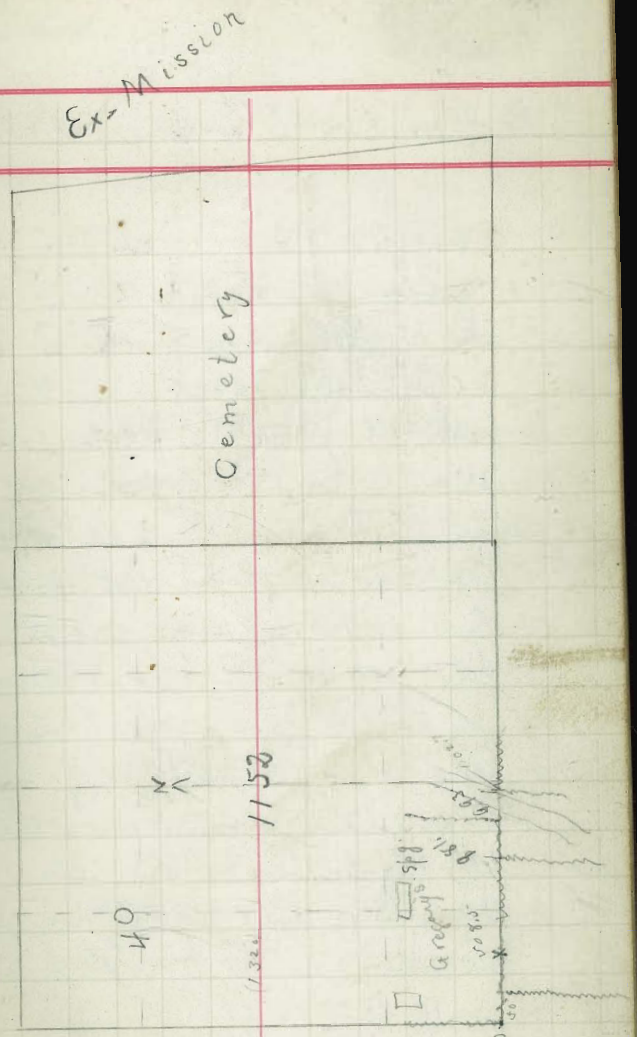
2000 Right 85°00'

Wednesday June 6th 1888

Work on Pueblo Lot 1152

1

- There is a fence cor in what I suppose to be the S.W cor
- 50 E of this cor a fence joins in from the South
- at 981 ft is another fence coming in to the S line from the south
- At 993 and 12 further east is the end of the fence on the S line from there it runs N
- 1102.7 is a wire fence on the S Pueblo line = the N boundary of Central Homestead. This is on the E edge of creek
- at 508.5 is an old stake marked Fulton(?) Felton
- At 1284.20 and 32.25 S is the ~~stake~~ N stake of a row extending South. This stake is marked S - Lot 34; W - Blk 1, N - 0, E - 5th -



- 60 ft further East is another row of stakes with a stake 3 ft South of line. This stakes marked W-St. S-Lot 1; E-Blk 2 (1344.2)
- at 1415.16 is a ~~staff~~ stake ~~mo~~ faced NE and marked Lot 6, Blk 84
- at 1469.3 and 30.5 S is a stake marked on the E-alley, on the W Lot 1-on the N B.M.
- 20 ft further east is another stake with alley on the W side and Lot 34 on the East
- at 1515.60 staff stake faced N W and marked Lot 6 Blk 84
- at 1615.6 old unpainted plug + tack, 30.9 South is the 1st of a row of stakes
- at 1675.5 old plug and a 2 X 3 stake marked on the W 35th St on the S-Blk 5
- 30.8 S is the N stake of a row marked on the E-Blk 3, W-St South Lot 1
- (30 ft South are Two stakes marked alley)

- at Sta. 1916.45 and 29.8 South is a stake, N row of a row, marked 6 on the S-34
- at sta 1976.45 and 29.95 is a row of stakes
- (Then are two alley stakes between this)
- at sta 2216.35 plug and 2 X 3 stake marked on the S R St, E-36th St
- at sta 2245.95 east cor of wire fence and the old hole where I found a 4 X 4 stake before. In this hole someone has set a 3 X 3 white stake
-

- 640.30 to S W cor of cemetery fence

- Also chained on the line of Plugs 30' S of the Public line from wire fence 30(?)
  - STK 125.13
  - STK 145.13
  - STK 269.93 (High + Pike Sts)
  - (60 ft STK Knocked out.)
  - 455.63 - STK (also 20 ft E)
  - STK 600.83
  - 605.8 to W fence

- White Stake 690.3 (Blk 3 37th St)
- From S W cor of Cem fence east to S E cor 2013.26
  - 650 from S W cor Cem (Blk 1)
  - 1010 School house fence on W side 30' South
  - 1399.5 E line of School fence, 30' S
- 1369.9 from S W Cem. Cor

- to STK marked Blk 1 - 39 St 8

7

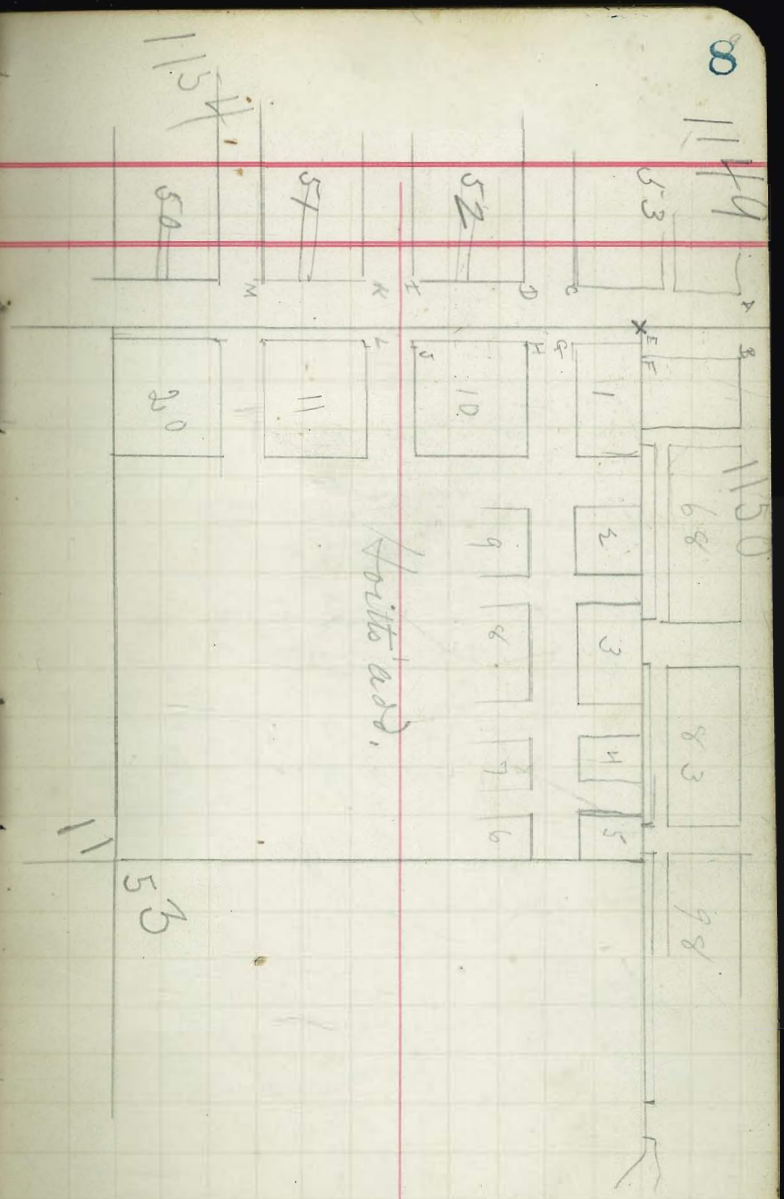
- 1640.32 old plug from Cem fence cor

- 1860 ft from S W cem. cor alley stake

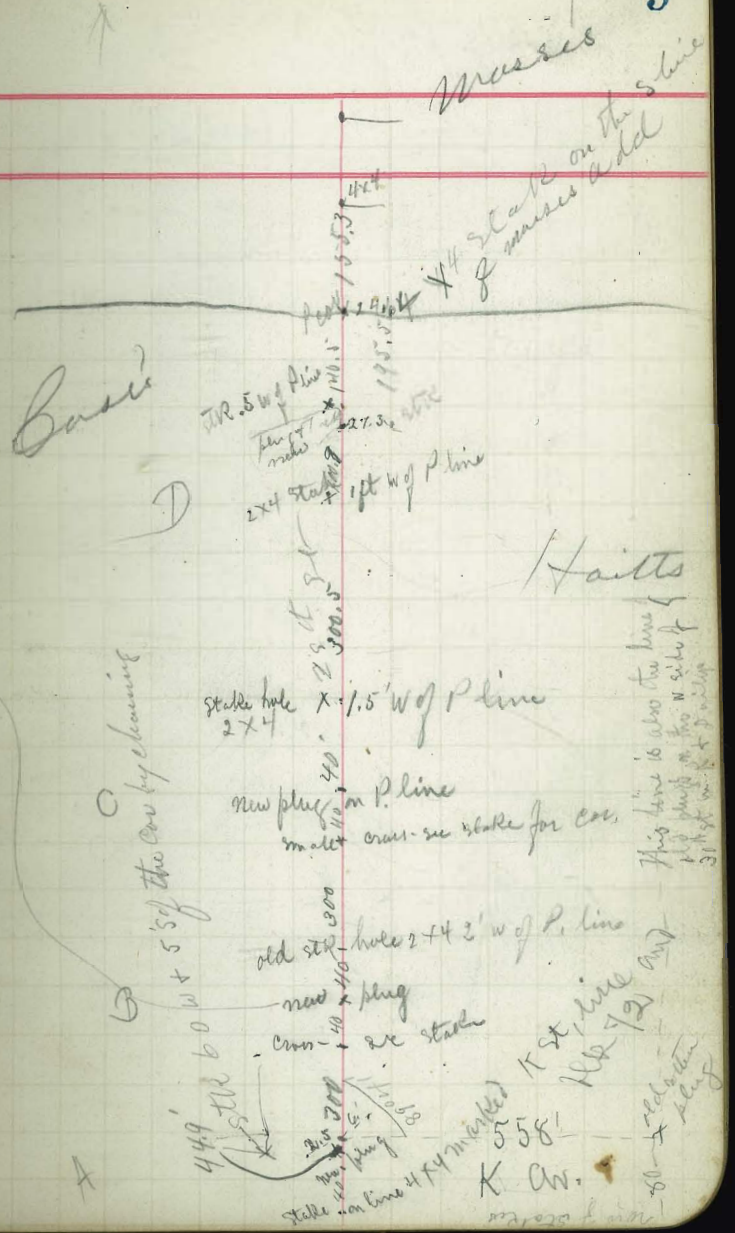
Thursday June 7th 1888

Measurements in Hoitts Add to Pueblo lot lines.

- Found 4X4 post at a quarter of a mile further East
- Inner angle of the Pueblo Lot 1153 = 88°30'
- From Pueblo cor to F = 24.1

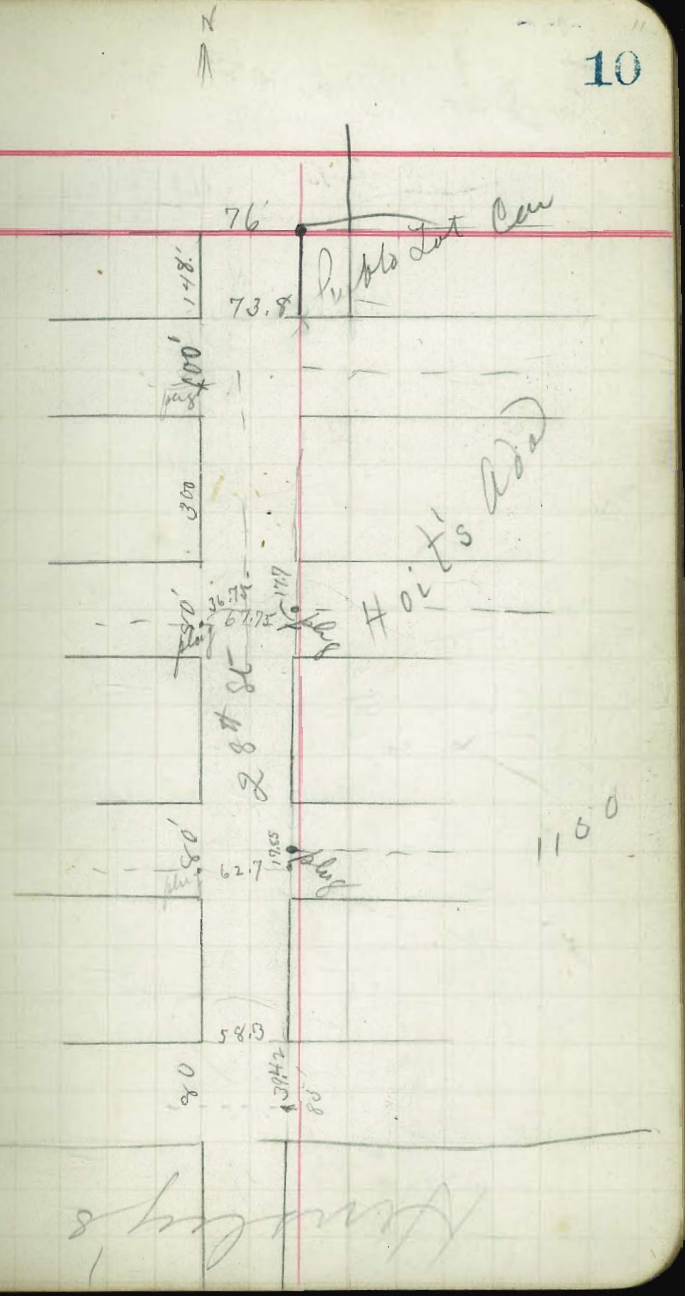


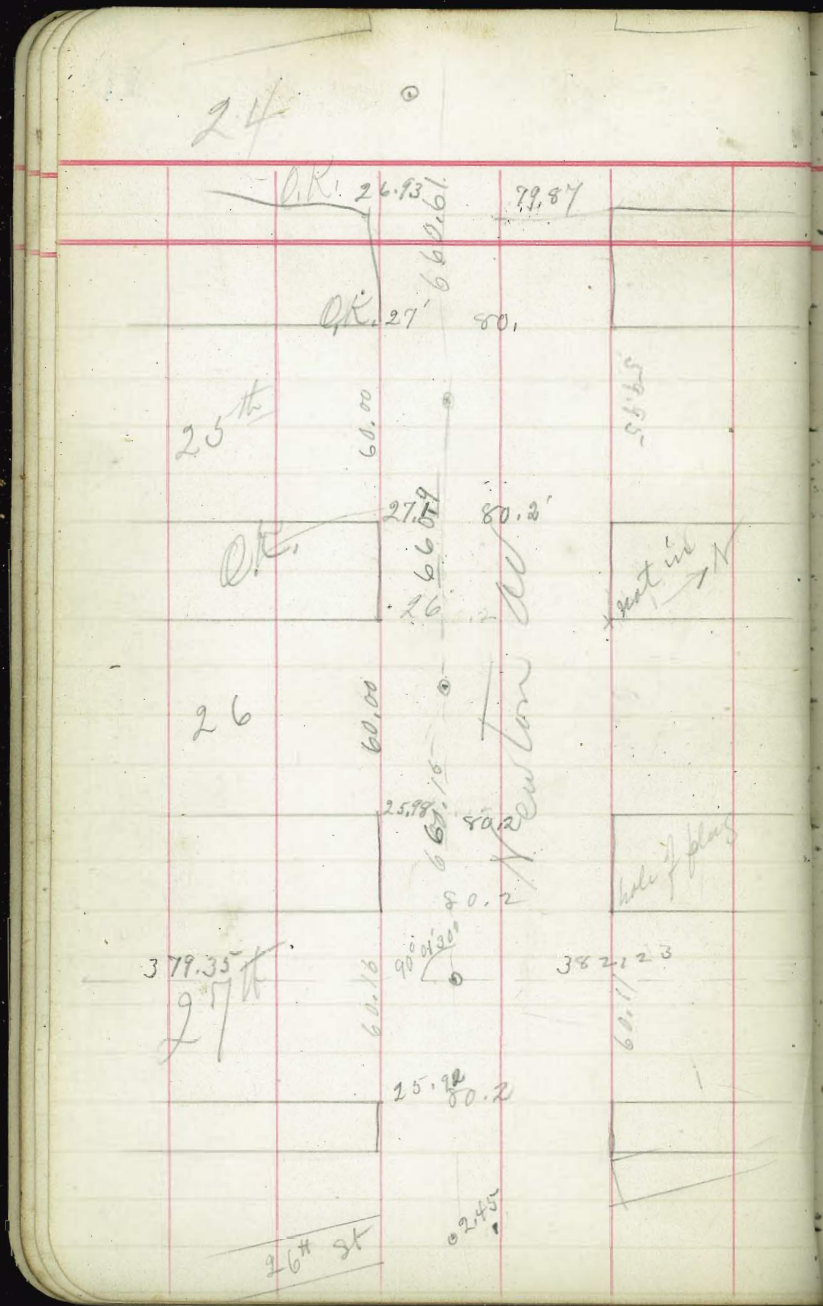
- ran down this line to find what was on it
- Hailts add is laid right up to the line and 2' W of it at the S side
- Angle from the true Pueblo line to the old stake on the S line of the add. is -
- 200 ft ~~up~~ East 38.~~4~~ ~~to stake~~ on N side and 42.~~8~~ to the South one
- ~~280 ft~~ 90° from Pueblo Lot line
- Angle from P. line to cor (40 from each cor) 89°41' (from the S to the East)
- From B to the cor of K av plug 384.95



Friday June 8th 1888

Hoits' + Cours Ado





~~Changed the center of N 1.45 of Newton Av & 27th St. This makes it 380 from each side~~

At 27th St measured 27.1 from the S stake and read the angle from 25th it is .04' Left placed centers by intersection

Distance from the cen of Grand & 26th South of the center of Newton Av & 26 is 158.40

Angle at cen of Newton & 26 from cen of 26th & Newton & 26th & Grand Av — 50°10'

From cen of 26th & Boston Av N to cen of Newton Av & 26th is — 221.46

Saturday. June 9th 1888

AM

474.55

Pierce

Palm

382.1

HR can check with the Center OK.

27th St.

Oliver

380.95

HR can check with Centers

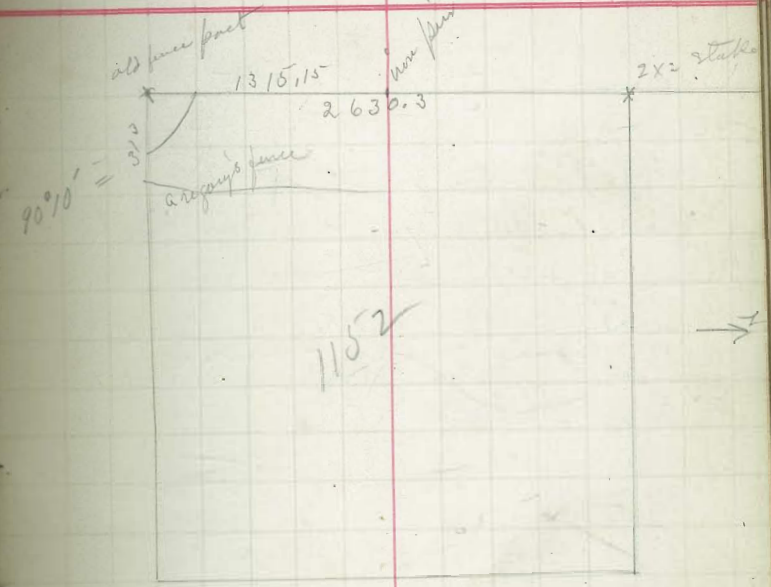
Newton

Milton

P.M.

3 [illegible]
2245.95
2558.95

2640
2558.95
81.05



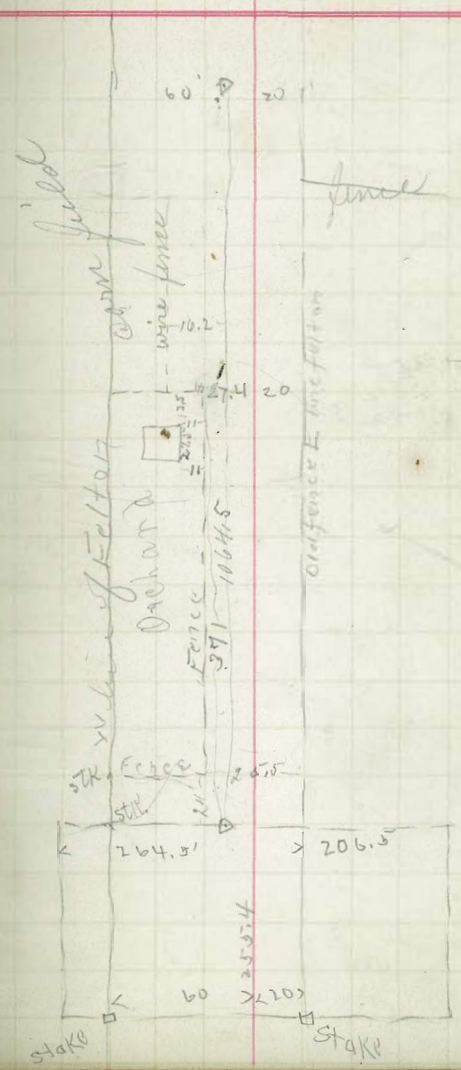
Mon day June 11th 1888
Felton 507

AM. until 9.30

6 - 11 - 88

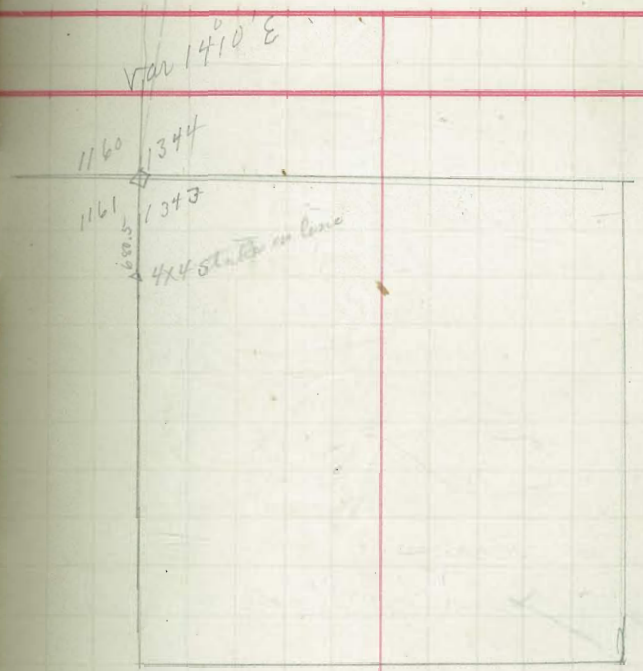
Starting at Stake N.E. cor 34 & R meas 507.35 to line of old fences on E line Felton Found old plg N.E. Felton & R meas 20' W from this plug [illegible] Run N on line 20 W of E line of St. from Sline of Central Homestead taking measurements to fences etc

E T Wheeler &
R. Cadwallade



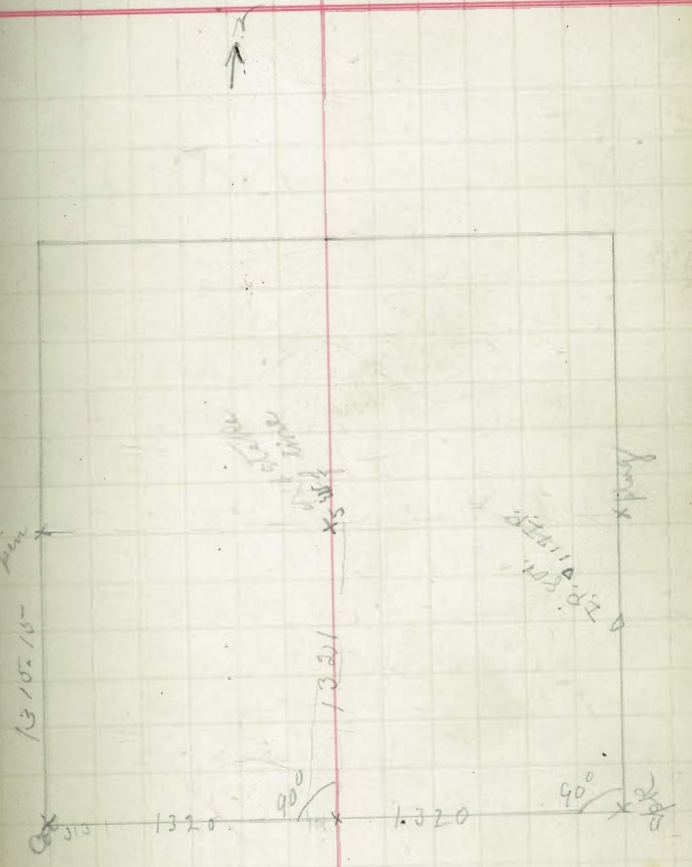
497.9
60
507.9

— Found large 4X4 Stake in N W
cor of 1343 lettered as per diagram
This past was set by Wheeler
and Avery



Thursday June 14th 1888
Pueblo 1152

Beginning at a point on the S line 14' E of Gregory fence & 1320' East of the SW cor I turned a Lr and ran North 1317.
- Found 4x4 stake at 1321 ft and 5½ W of line I consider this the cor.
- Placed the SE cor of Pueblo 1153 2640 and 81.05 East of the wire fence cor.
- Turned a Lr and chained north 1320 placing plugs at the centers of the E & W streets
- at the point 1320 placed plug and turned 90° ran W placing points for cen. of streets



Friday June 15th 1888

A.M. Placed cross sec stake on K Jan 25th to 33 finished it up

P.M. Placed st cen on the Pueblo line of W & S on the W & S sides

Saturday June 16th 1888

changed the plugs on the N & S lines because I had put them in at wrong distances.

Monday June 18th 1888

Found NE Cor of Pueblo 1152

E side of Pueblo lat = 2630.1

- angle in the NE Cor prime angle 90°48'

- angle in SE Cor 89°49'

Tuesday June 19th 1888

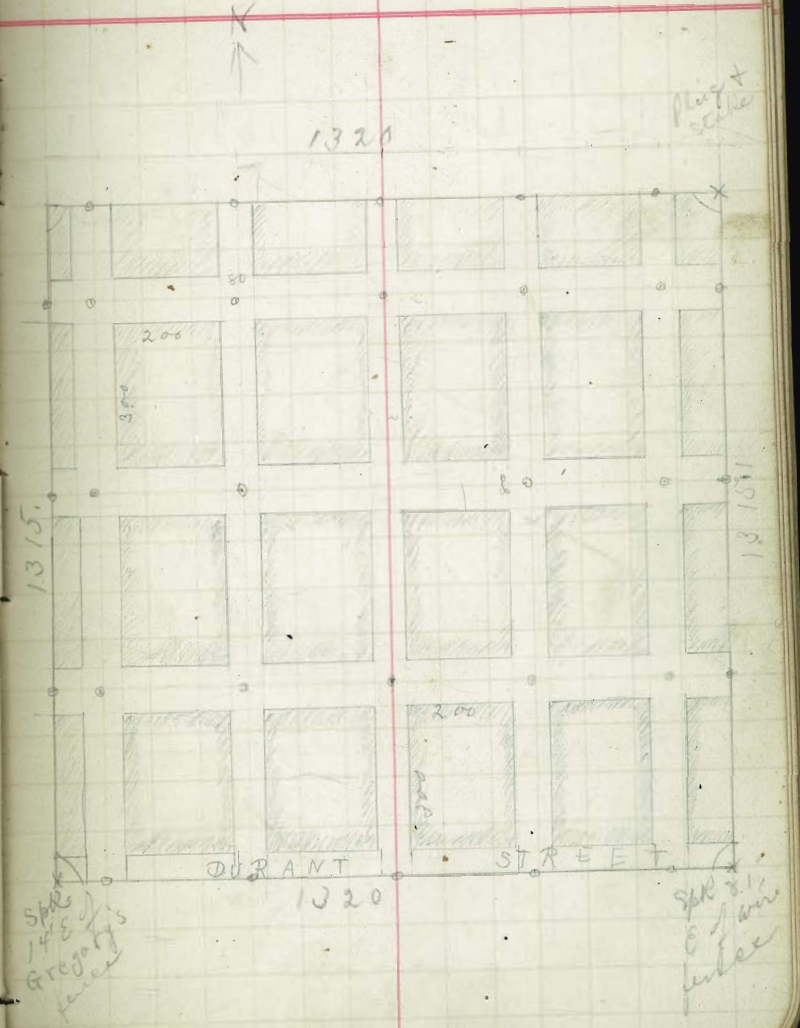
- N line is = 2638

- placed stake at halfway point and ran between the two halfway points on the N and S lines placed intense stakes for the cen.

Wednesday June 5th 1888

- Placed centissim
Wet + San. Add.
- and changed the E
side onto the true
Pueblo line also the
W side

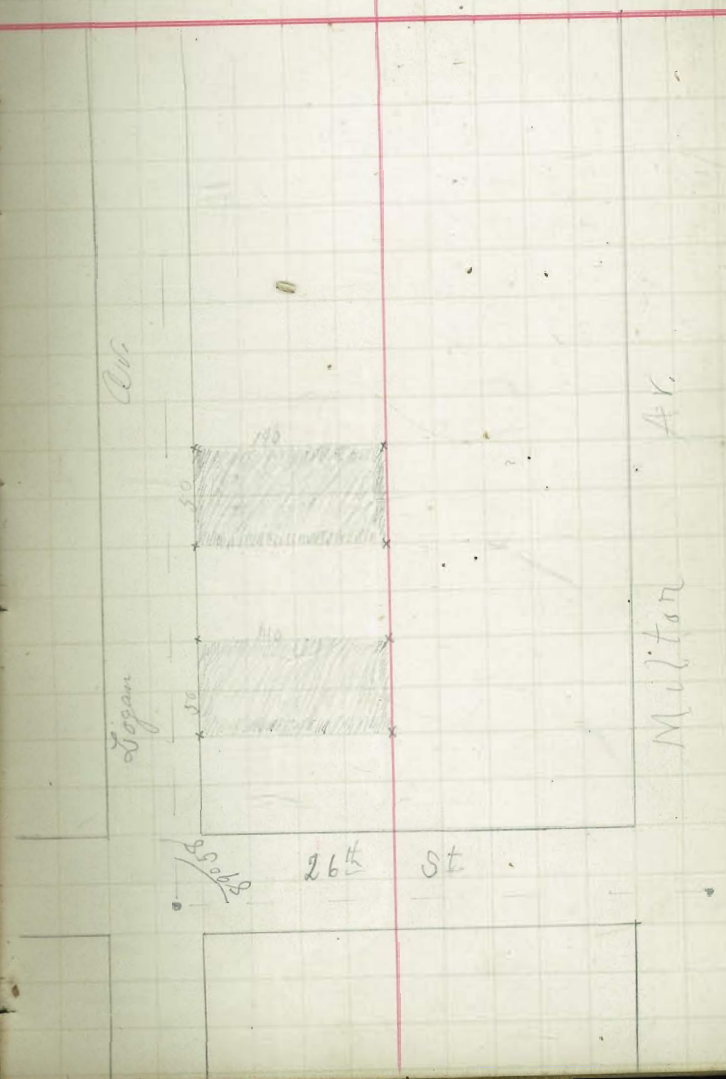
Wetmore + Sanborns Add
- the SE 1/4 of Pueblo lot 1152



Survey of Lots for
Mr. Winshack

Friday June 22nd

Replaced St Cor n
Logan Av.

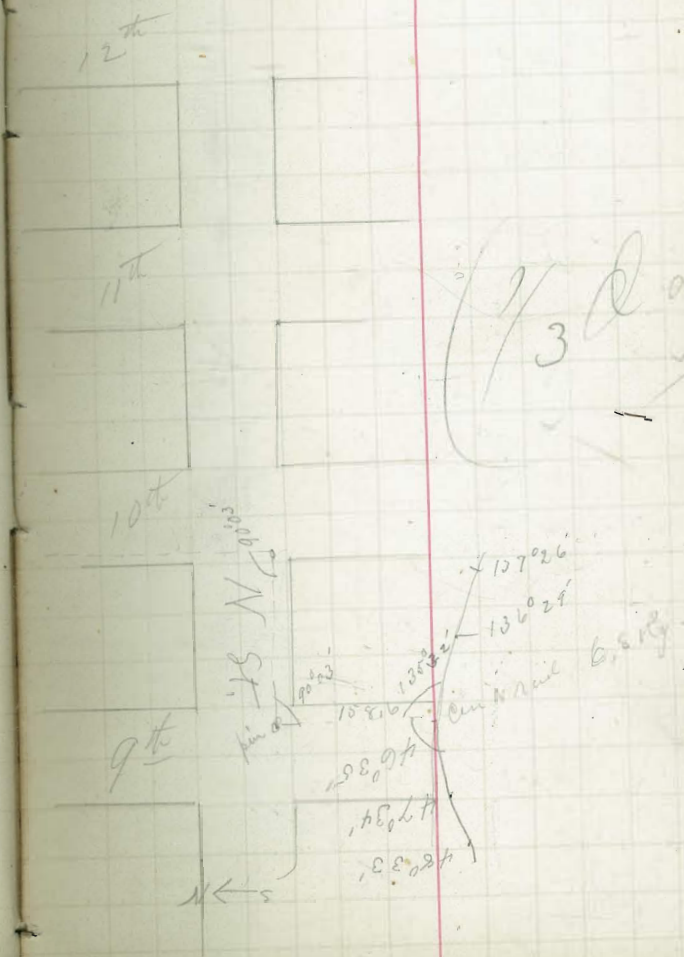


Grades on 28th St

	E			W		
Rod	Elev	Grade	R	E	G	Sta
11.5	2.3	2.	11.3	2.5	2.0	+90
4.7	9.1	3.6	10.9	2.9	2.6	2
6.2	17.6	6.05	5.7	18.1	5.55	+50
0.4	23.4	8.5	3.4	20.4	8.5	3
		Colton				Baltimore
1.7	27.7	10.5				

Saturday June 23rd 1888

Placed crass, sier, stakes on N St from 25th St East to 32nd St and 200' further (2/3 day)



(1/3 day)

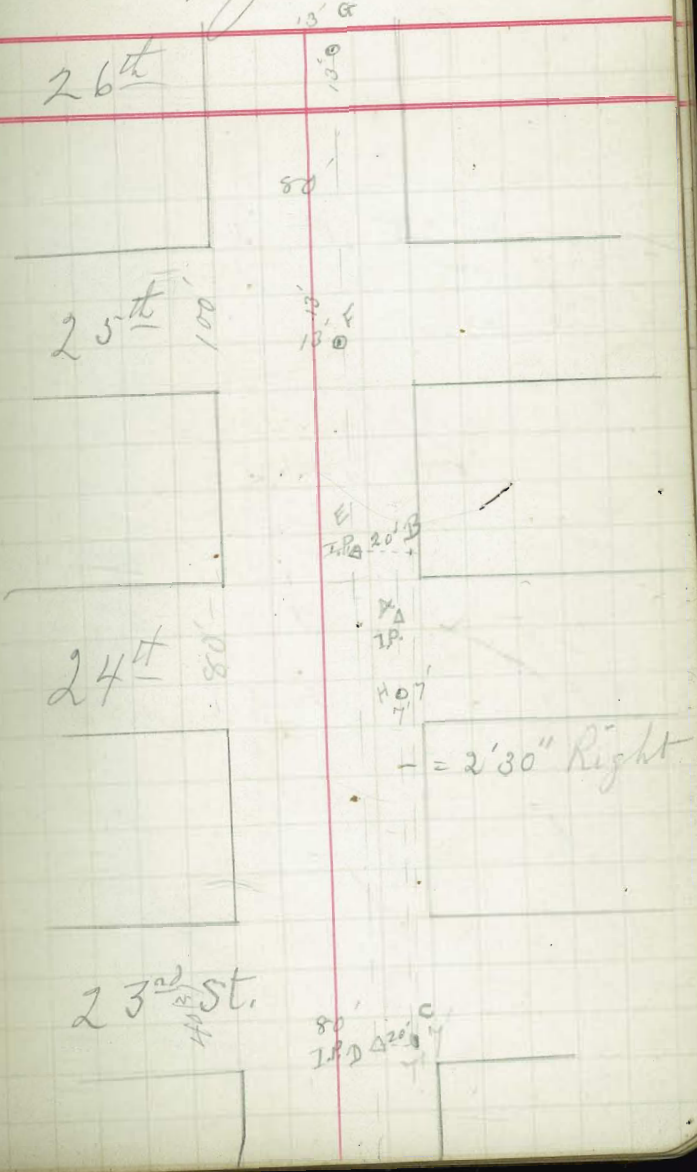
Monday June 25th

Placed X Sec Stakes on M & L Streets from 25th to 32st

~~Curtis 10 R~~

Credit Curtis with 0.5 ¢ for Car fare from India to 16th & L St with 100' Stakes

Tuesday June 26th, 1888



Work on A St (Page 23)

- Produced the min. line of A St W of 24 from the 7' N + E centers and placed a point (A)
- Produced the line of A St from 26 W from the 13' S + W centers and placed points
- Turned Right angles and measured 20' S
- The angle in the line is 2'30" Right from cen of 24th to cen of 26th at the cen of 24th St.

See diagram

Placed cross-section stakes on A St from 25th East to 31st + 400 ft

25 to 26	560
26 - 27	600
27 - 28	600
28 - 29	560
29 - 30	600
30 - 31	600

Placed stakes on B St from 26th to 28 both sides and from 28th to ~~on the south side of the St.~~

Monday July 23rd

From	K	to	J	m	26	380.1
"	J	"	G	"	26	380.56
"	G	"	H	"	26	390.55
"	H	"	G	"	26	391.70
"	G	"	F	"	"	379.38
"	G	"	line	"	"	347.15

Tuesday 24th July

"	F	to	G	m	25	379.84
"	G	"	H	"	"	391.1
"	26	"	25	"	F	660.
"	25	"	24	"	F	660.89
"	25	"	24	"	G	660.59
"	26	"	25	"	H	660.04
"	25	"	24	"	H	660.92
"	26	"	25	"	J	660.1
"	25	"	24	"	J	660.93
"	H	"	G	"	26	391.70

m 52

From	H	to	G	m	25	391.1
"	H	"	G	"	24	390.42
"	H	"	J	"	24	390.64
"	H	"	J	"		

Wednesday July 25th 1888

From	26	to 27	from	J	= 659.78
"	H	" 28 + line	"	27	= 348.17
"	H	" G	"	27	= 392.29
"	27	" 26	"	G	= 659.38
"	27	" 26	"	H	=
"	27	" 26	"	J	=

Thursday July 26th 1888

From H to G

26	=	379.33
25	=	379.88

*

From H to G

			Dif
27	=	392.29	.59
26	=	391.70	.60
25	=	391.10	.48
24	=	390.42	
23	=		

*

From J to H

27	=	390.25
26	=	390.40
25	=	390.55
24	=	390.72
23	=	390.90

390.70

From 27 to 26

G	=	659.38
H	=	659.84
J	=	659.75
K	=	659.90
L	=	660.52

From 26 to 25

H = 660.
G = 660.03
H = 660.04
J = 660.10
I = 660.16
K = 660.23
L = 660.30
M = 660.37

I & J

27 = 380.51
26 = 380.56
25 = 380.57

I to K

27 = ~~380.83~~ = ~~380.08~~ 380.92
26 = 380.98
25 = 380.90

From 25 to 24

H = 660.89
G = 660.89
H = 660.92
J = 660.93
I = 660.97
K = 660.95
L =
M = ~~660.97~~ 660.99

24 to 23

H = 660.58
J = 660.73
I = 660.83
K = 660.96.

23 to 22

K to L

24 = ~~379.64~~ = 381.
25 = ~~379.64~~ = 381.2
26 = 381.58
27 =

4.2
5.8 | 2
2.9
26.8
13.4
29.7
14.8

14.5
2.9
17.4
8.7

2.2
9
3.1
1.5

10.4
2.5
7.9
3.9

3.4
1.7

15.6
7.8

3 - C 1.7

Grand

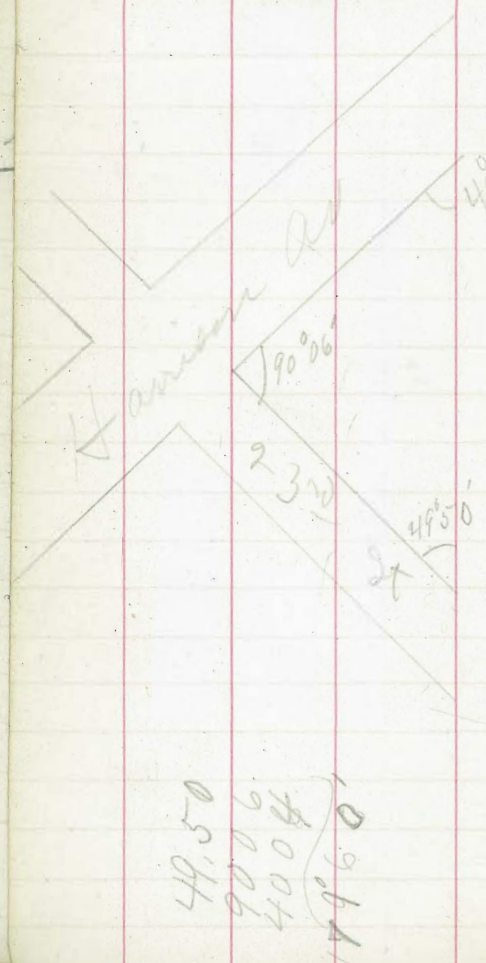
0 - C 1.9
+ C 2.4
1 - C 1.9
+ C 1.6
2 C 1.1
+ C .9
3 C .9

National

0 C 1.3
+ C 1.3
1 C 1.5
+ C 1.5
2 C 1.5
+ C 1.2
C 1.0

Oliver

Wednesday June 27



48 05
49 52
98 57

1776
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1842						
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1850	2,469,093 Gallons Petroleum					
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1860						
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63						
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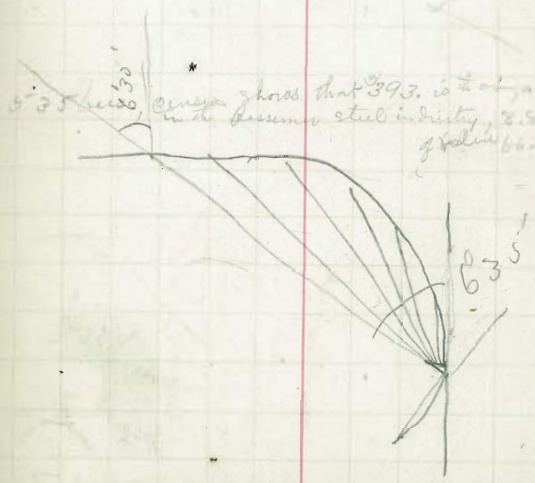
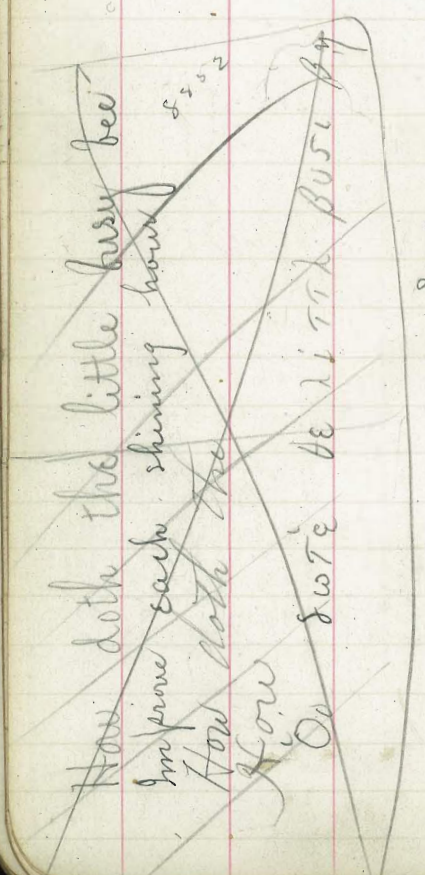
	67							
	68							
	69							
1870		3,011,996 bales of cotton, 287,745,626 bus of						wheat raised, corn = bus 760,944,549
	71	2 C per pound on steel rails asked as exception						al tax. by iron workers,
	72							
	73							
	74							
	75							
	76							
	77							
	78							
	79							
1880		459,479,505 bus of wheat raised, corn = 1,754,						861,535 bus, Census shows that $393. is the average wages of workers
	81	in year ending Sept 1 - 6,589,329 bales of cotton						in the Bessemer steel industry, 8.8% to labor
	82	Knitt-goods bill dependent on R & H bill						of value 66.8% to cap.
	83							
	84							
	85							
	86							
	87							
18	88							

Steel rails $24.44 higher than in England per ton



August 2nd 1888

To obtain data for mapping in the Cal Southern Ry through town



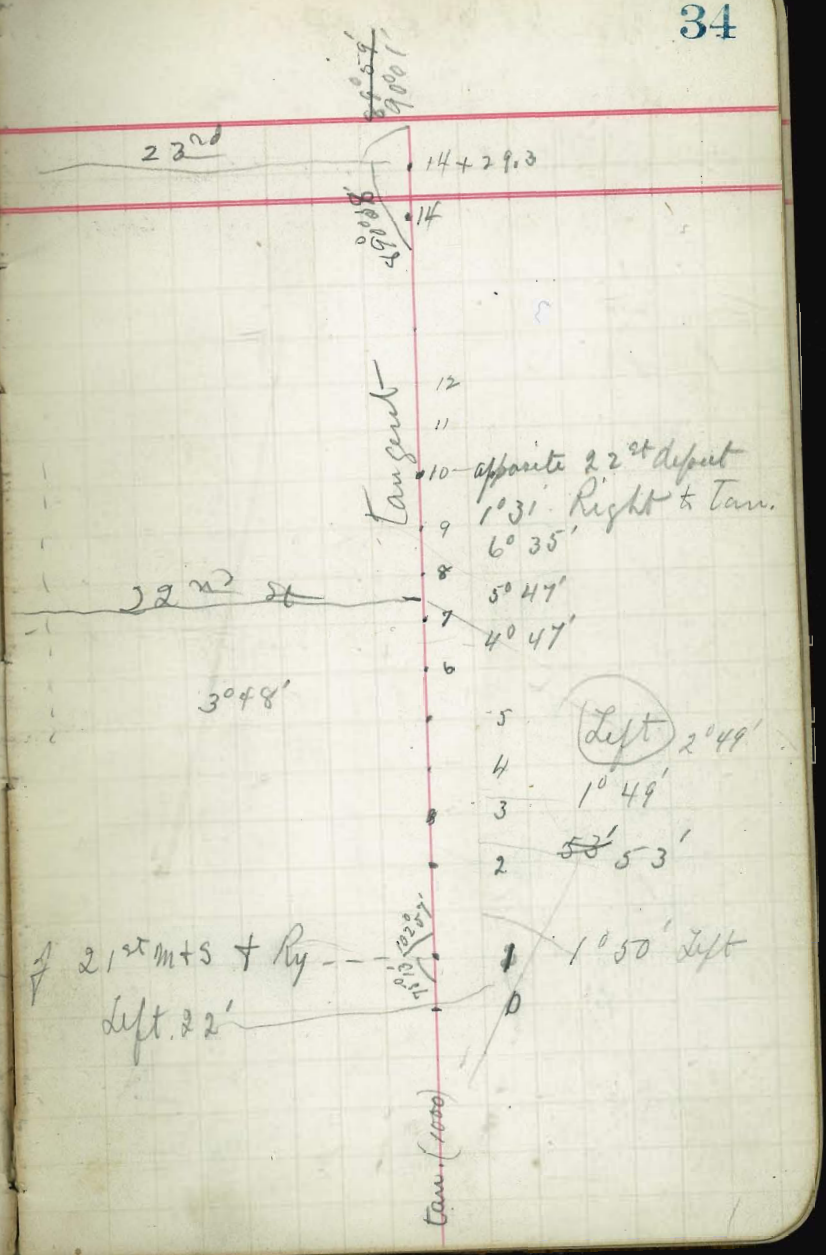
angle from 22nd to 8 = 90° 13'

7+687 = intersec. of 22nd St M+S

angle from 22nd to sta 7 = 88° 52'

intersec of 21st M+S + Ry

Left 22'



42

5°41

41

4°09

40

2°41'

39

5°13'

38

3°44'

37

2°15'

36

58'

35

0°12'

34+72.7 = BC

26th St

34+12.3

25th St

27+50.9

Left

Tangent

8 8

4 2 9

65 4°27'

64 3°27'

63 2°26' Right

62 1°22'

61 + 16.8 = BC

- 9000

28th St
L + S bos

48 + 20

~~E.C. 46~~

46

45 + 54 = E.C.

45 2°36'

1°51'

44

16'

~~43~~

7°11'

Compass

77	25' Left
76	15°28' R
75	14°28'
74	13°28'
73	12°28'
72	11°28'
71	10°28'
70	9°28'
69	8°27'
68	7°27
67	6°28'
66	5°27'

Farm

80 acres

40 in wheat - 20 bu per acre
20 " corn 50 bus to acre
10 " in grass
3 head of horses
5 milch cows
10 hogs
30 head of sheep

1 wife
2 children } Salary $220. per year

40

4 | 10 55 | 2 6 3
8
25
24
15
12

10.50
8.40
2.10
.30
2.40

1.50 | 5
.30

2.65
2.10
55

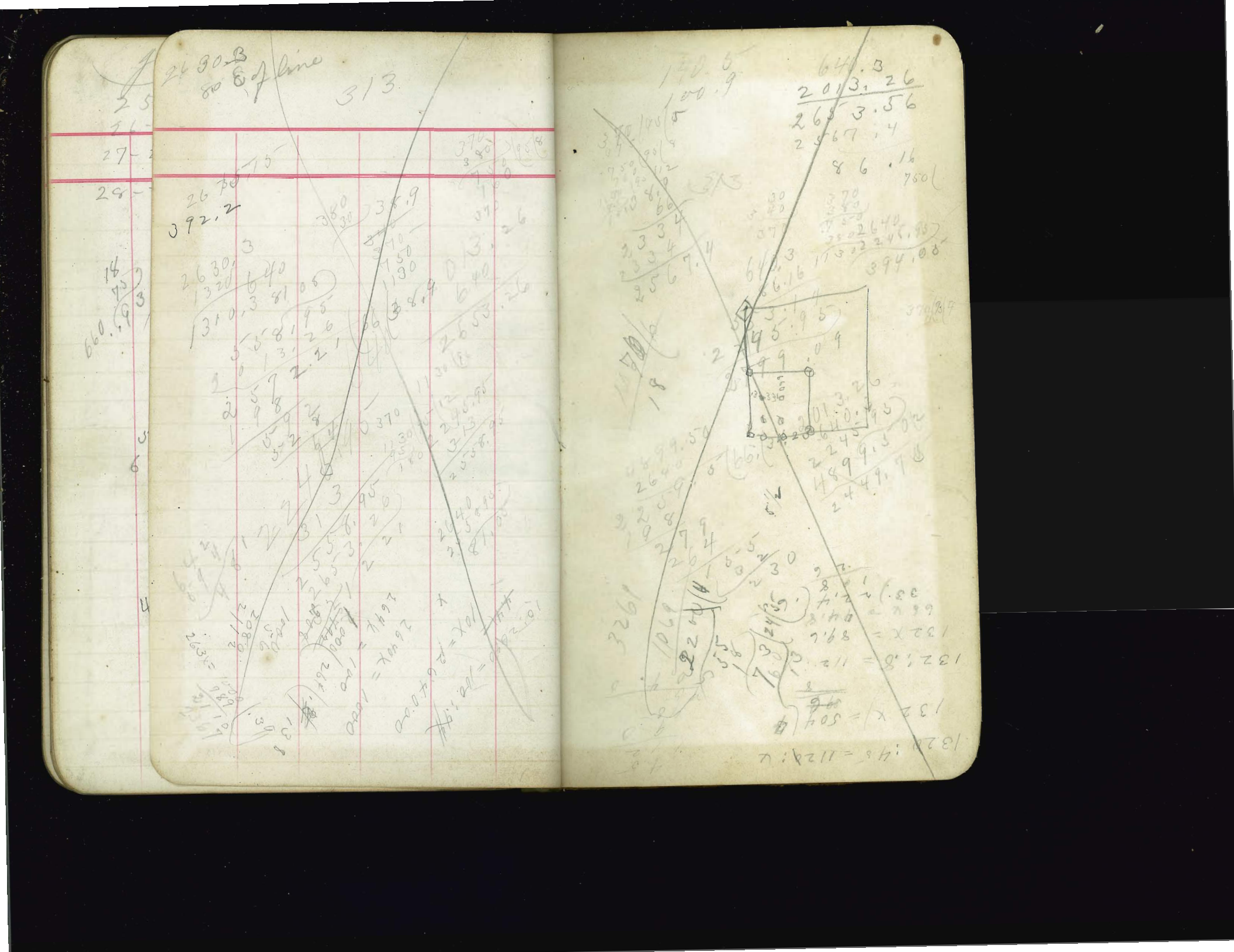
2.
5.

52
30
22

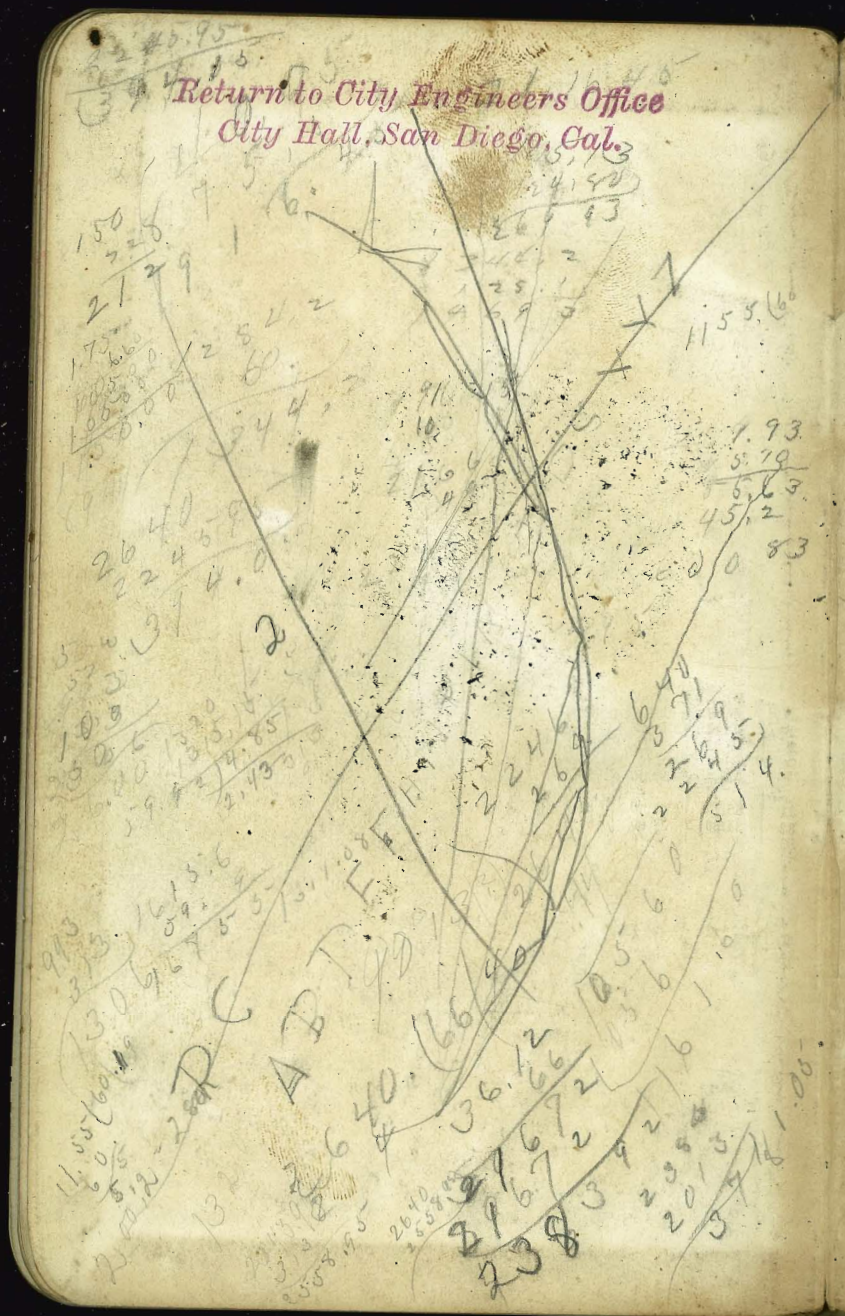
10.55 | 4
2.65
10

1.50 | 4
.35

.55
35
.20



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



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

TRAVERSE TABLE FOR TRANSIT BOOK,

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	8(
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	8(
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	8(
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	8(
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	8(
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	8(
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	8(
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	8(
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	8(
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	8(
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	7(
11	98.16	19.08	98.08	19.51	97.99	19 94	97.90	20.36	7(
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	7(
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	7(
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	7(
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	7(
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	7(
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	7(
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	7(
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	7(
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	6(
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	6(
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	6(
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	6(
24	91.35	40.67	91 18	41.07	91.00	41.47	90.81	41.87	6(
25	90.63	42.26	90.45	42.66	90 26	43 05	90.07	43 44	6(
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	6(
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	6(
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	6(
29	87.46	48.48	87.25	48.86	87.04	49 24	86.82	49.62	6(
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	5(
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	5(
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	5(
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	5(
34	82.90	55.92	82 66	56.28	82.41	56.64	82.16	57.00	5(
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	5(
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	5(
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	5(
38	78.80	61.57	78.53	61.91	78 26	62.25	77.99	62.59	5(
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	5(
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	4(
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	4(
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67 88	4(
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	4(
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	4(
45	70.71	70.71							4(
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

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