

Walter
Curves

555

F.B. 555

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		1/2 DEGREE.		1/2 DEGREE.		1/2 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	3.44	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	DEGREES.		1/2 DEGREE.		1/2 DEGREE.		1/2 DEGREE.		Degrees.
	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	

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ENGINEERING DEPARTMENT
CITY OF SAN DIEGO,
CALIFORNIA.

Crocker Quality

FIELD BOOK



No. 411-44

Good for S.D.F.R. Co

MANUFACTURED BY

H. S. CROCKER CO.

SAN FRANCISCO AND SACRAMENTO
CALIFORNIA

FROM
LORINGS BOOK STORE
San Diego, Cal.

Elevations on 'etc. Co. St. Bridge

on Curb- 12-8-14

4.822

341.212

336.39 B.M. 34 Co. Pl.

E. Curb

4.795

336.917

W. "

4.804

336.928

12-15-14

E. Curb

336.915

W. "

336.923

B.M. 164.96 N.W. Fir plp

182.96 - - Grace -

195.43 - - Hawthorn -

205.49 - - Ivy -

205.49	5.30	3.75	2.10	0.45	9.60	7.15	25.50
0.70							
206.19 M	0.89	2.42	4.09	5.74	7.39	9.04	10.69

195.43	9.42	9.25	90.67	88.75	84.83	84.92	83.00	80.00	77.50
0.70	1.79	2.65	5.52	7.06	7.38	11.29	2.67	4.69	8.19

196.21 M

11.29

78.69 TP

185.69 M

1.73

182.96 ✓

205.49

2.82

202.37 M

95.43

3.45

92.88 M

12.05

86.83 T

1.55

88.38 M

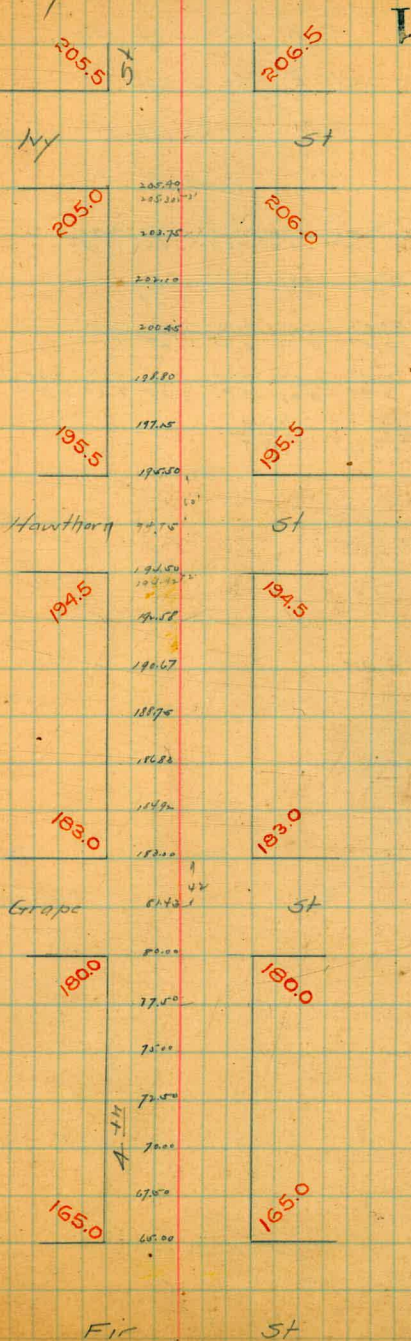
81.91

3.09

86.35 M

4.72

Grades for St. Ry. Co. & the Fir-Mission Hills



B.M. 205.119. N.W. Cor. Ivy plg

213.97 N.E. Juniper

224.95 N.W. Kalmia

242.51 Laurel

242.51	4.140	3.770	3.607	3.360	3.070
243.02 M1	1.02	4.27	6.94	9.62	12.29
243.07					
243.07	2.006	2.540	2.333	2.173	
243.12 M1	3.06	5.72	7.39	9.09	
243.17					
243.17	20.07	18.40	16.70	15.07	13.40
243.17	1.69	3.36	5.03	6.69	8.36
243.17					
243.17	12.40	11.02	10.03	9.05	8.07
243.17	2.90	5.95	8.07	6.15	7.23
243.17					
243.17	24.97	24.51	24.05	23.59	23.13
243.17	1.00				
243.17	24.97	24.51	24.05	23.59	23.13

242.5	St	243.5
Laurel	32.7	51
241.0	38.70	242.0
	36.07	
	33.40	
	30.73	
225.0	28.06	226.0
	25.40	
Kalmia		51
223.0	22.40	224.0
	21.73	
	20.07	
	18.40	
	16.73	
213.0	15.07	214.0
	13.40	
Juniper		51
212.0	12.70	213.0
	11.02	
	9.36	
	7.69	
	6.03	
205.5	4.36	206.5
	2.70	
Ivy		51

B.M. 242.51 N.W. Laurel pla
 253.46 " Maple "
 261.96 " Nutmeg "
 265.20 " Olive "

265.20 B.M.
 269.91 H1
 268.20
 4.78
 269.95 H1
 8.03
 261.96 B.M. NW Nutmeg
 261.86
 2.74
 264.70 H1
 11.20
 20.84 H1
 20.84 H1

265.0 5
 Olive 51
 264.5
 266.0
 265.5
 262.0
 263.0
 Nutmeg 51
 261.0
 262.0
 253.5
 Maple 51
 252.0
 253.0
 243.5
 Laurel 51

B.M. 265.80 N.W. Olive plg
 " 267.48 N.E. Palm ✓
 " 268.91 " Quince ✓
 " 270.38 " Redwood ✓

267.42 66.90 66.45 66.40 269.14 67.40 67.65 67.90 66.15 66.40
 271.42 4.00 4.77 5.02 4.81 4.26 4.81 4.76 5.01 5.01
 269.98 141 66.40 66.45 66.90 66.85 66.80 66.85 66.80 66.85 66.80
 67.02 66.90 67.00 67.05 67.10 67.15 67.20 67.25 67.30 67.35
 17.36 44 5.07 5.07 5.07 5.07 5.07 5.07 5.07 5.07 5.07
 70.38 141 67.15 67.22 67.10 67.15 67.20 67.25 67.30 67.35 67.40
 257 3.31 4.52
 72.96 141

REDWOOD St.

4

269.5 67.90 67.90
 268.0 67.90 67.90
 269.0 67.90 67.90
 266.5 67.90 67.90
 266.5 67.90 67.90
 265.0 67.90 67.90
 264.5 67.90 67.90

B.M. 270.38 N.E. Redwood plg

272.88 N.W. Spruce + Fourth

273.01 N.W. - Second

272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75
272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75
272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75
272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75

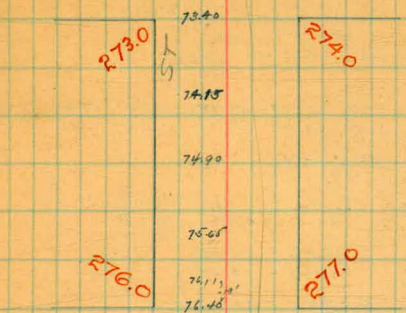
272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75
272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75
272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75
272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75	272.75

73.01	73.01	73.01	73.01	73.01	73.01	73.01	73.01	73.01	73.01
73.01	73.01	73.01	73.01	73.01	73.01	73.01	73.01	73.01	73.01
73.01	73.01	73.01	73.01	73.01	73.01	73.01	73.01	73.01	73.01
73.01	73.01	73.01	73.01	73.01	73.01	73.01	73.01	73.01	73.01

Second

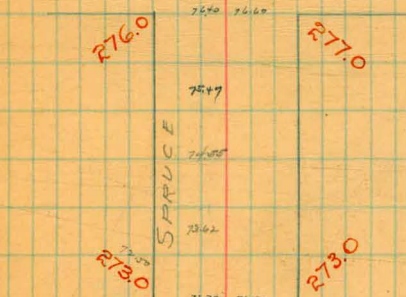
St.

5



Third

St.



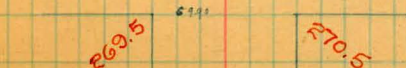
Spruce

St.



Redwood

St.



B.M. 273.01 N.W. Spruce & Second

✓ 255.00 N.W. First & Thorn

✓ 257.51 S.W. - & Upas

57.51	58.10	57.61	57.27	57.16	57.12	57.02	57.01	57.10
5.38	5.79	5.21	5.62	5.00	5.46	4.87	5.29	5.79

60.89	57.60	57.12	57.60
6.29	6.79	7.29	

53.60	52.00	52.06	52.53	52.57	52.97	53.36
5.57	5.17	4.11	4.64	5.67		5.18

67.17	72.60	67.60	62.40
5.17	0.65	5.65	10.65

72.01	72.05	70.65
0.04	9.7	4.0

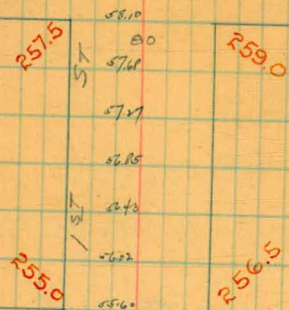
62.46	57.40	4.90	2.60
4.0	5.40	7.90	2.20

62.46	
4.0	

62.80	
4.0	

Upas

St.



Thorn

St.

First

St.

Second

St.

273.0

80

274.0

B.M. 257.51 S.W. First & Upas.

✓ ✓ 268.82 N.W. Second & Walnut.

✓ ✓ 263.70 ✓ ✓ - & Brooks

15.56
2.06
4.82 74.90 N1 7.20

62.70
9.49
73.19 N1
67.73
5.46
59.42
3.79
71.06
2.13
72.05
1.18

70.13
5.97
71.07
5.13
71.93
4.30
72.73
3.47
73.57
2.63
74.40
1.80

46.82
7.58
74.20 N1
5.92
45.60
69.42
2.16
14.71
65.80
6.26
66.30
67.15
3.71

67.82
2.74
71.56 N1
65.32
6.24
63.42
8.14
41.26
10.80
59.10
12.46

68.82
7.10
75.92 N1
72.73
5.19
73.57
5.33

Pennsylvania

Ave

269.5
270.0

264.0
265.0

Brookes

Ave

264.0
265.0

274.0
275.0

269.0
270.0

Walnut

St.

266.0
267.5

258.5
260.0

Upas

St

257.5
259.0

B.M. 274.545 plg N.W. Second & Robinson.
 - 278.50 - NE - & University
 - 285.015 - N.E. - Washington.

74.84 B.M.	26.5	25.88	25.42	24.97	24.53	24.10	23.67	23.23
4.80	2.59	3.16	3.72	4.17	4.61	5.00	5.37	5.71
77.14 M	22.80	22.27	21.93	21.50	21.07	20.63	20.20	
6.0	6.34	3.99	1.43	4.82	5.29	5.73	6.16	

76.86 M

78.02 B.M.	20.20	19.41	18.86
6.86	5.16	5.92	6.50

85.36	28.20	28.45	28.72	28.95			
78.50	5.05	5.10	4.81	4.60			
83.50 M	22.07	21.00	20.50	20.90	19.45	19.20	18.95
	9.98	5.85	6.54	7.15	7.60	7.50	8.10

85.01 B.M.			
2.04			

87.05 M	23.02	23.62	24.20
	5.84	5.20	4.68

285.01

287

288.55 M

85.01

1.37

86.38 M

7.42

78.96 T.P.

3.87

82.8 3149

Washington

ST.

8

284.0

280.9

280.3

279.7

279.25

279.0

278.0

University

Ave

280.0

275.0

Robinson

Ave

275.0

270.0

Pennsylvania

Ave

269.5

284.5

281.4

280.8

280.2

279.75

279.50

278.5

280.5

276.0

276.0

270.5

270.0

B.M. 215.015 Washington & Second, N.E. plg.
 ✓ 278.98 ✓ First N.Y. spk.
 ✓ 277.50 ✓ Albatross plg in mor.

288.88 M1. 5277 82.92 82.06 81.21 80.25 19.50
 5.11 5.96 1.82 7.67 8.50 9.38

82.80 M1 77.43 79.00 78.71 78.42 78.10 77.80 77.50 77.20
 5.43 5.83 4.12 4.41 4.70 4.99 5.27 5.43

77.46 Mon. S. v. Alb.
 79 77.00 75.00 74.07 68.33
 78.25 M1 1.35 3.25 6.58 9.92
 12.95 1.58 4.62

65.30 T2
 85 65.00 63.70 61.60 61.01 60.80
 66.15 M1 1.15 2.40 3.55 4.38 5.35

Brant St

R60.8 60.8
 R61.8 61.8
 R62.6 62.6
 R63.7 63.7
 R65.0 65.0

R60.8
 R61.8
 R62.6
 R63.7
 R65.0

R77.0

R77.0

Albatross

St.

R77.4

R77.4

R79.0

R79.0

First

St

R79.5

R79.5

R84.0

R84.5

Second

St

R84.5

R85.0

WASHINGTON
 81.21
 82.06
 82.92
 83.77
 84.60
 85.40

B.M. 264.46 N.W. Dove plg.
 - - 263.05 N.E. Eagle ✓
 - - 265.50 - - Falcon ✓

0.79
 59.00 58.60 58.20
 7.15 7.15 7.15
 7.2 7.2 7.2
 64.15 N1
 8.28
 57.87 TF
 7.26
 65.13 H1
 7.26
 64.66
 1.86
 66.52 H1
 2.82
 64.46 B.M.
 2.98
 67.44 H1
 1.98
 68.49
 5.12
 65.50
 70.64 H1

Falcon

St

10

264.5
 265.5

262.0
 263.0

Eagle

St

262.0
 263.0

264.5
 264.5

Dove

St

263.5
 263.5

261.1
 261.1

258.8
 258.6
 258.4
 258.5
 258.6
 259.0

258.8
 258.6
 258.4
 258.5
 258.6
 259.0

Brant St

260.8
 260.8

B.M. 265.50 N.E. Falcon plq.
 - 267.02 - Goldfinch -
 - 263.035 - Hawk -
 - 269.72 S.E. - & Getti. spk

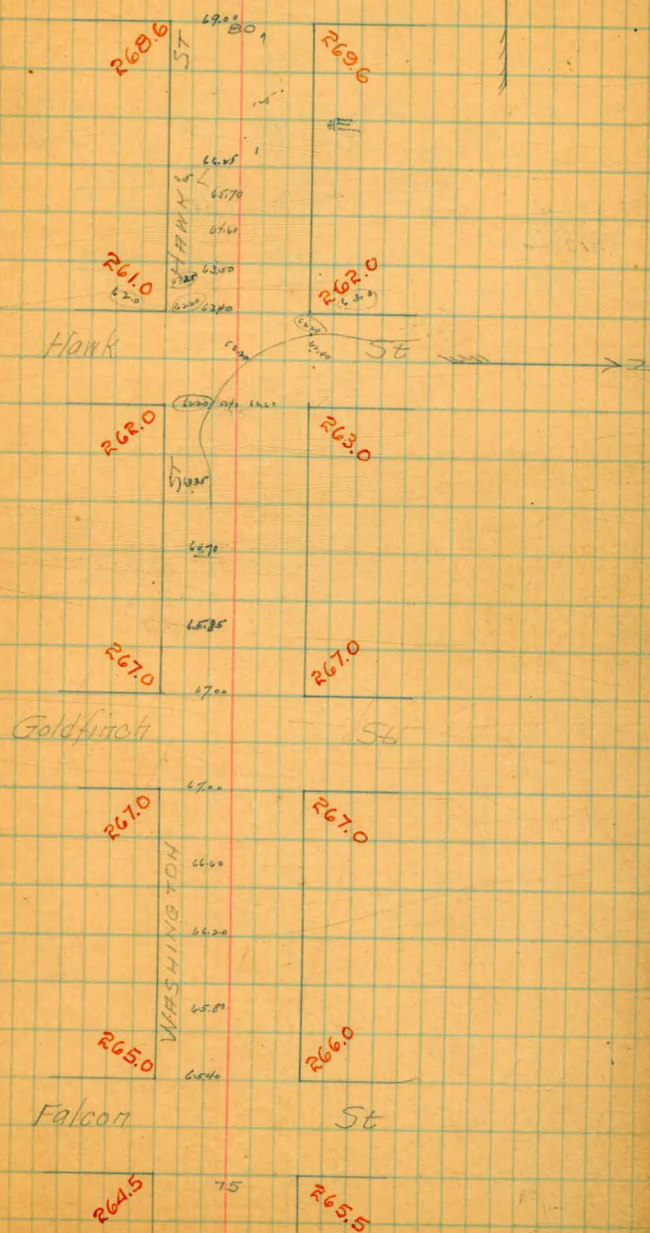
7064 M.	65.40	65.80	66.20	66.60	67.00
	5.24	4.84	4.44	4.04	3.64
63.03 BM	62.20	63.35	64.70	65.85	67.00
68.79 M	6.57	5.44	4.09	2.94	1.79

63.03	62.20	63.35	64.70	65.85	67.00
590	6.73	2.61	5.68	4.23	3.23
68.79 M					

Getti

St

11



B.M. 269.72 S.E. Hank & Getti. spk.

268.345 SW. & Lewis

267.22 S.E. Lewis & Ibis plg in monument.

273.72 SW. & Jackdaw spk.

1.57 275.29 HI 6.87 7.49 7.07 6.89 7.00 6.00
2.00 8.09 7.09

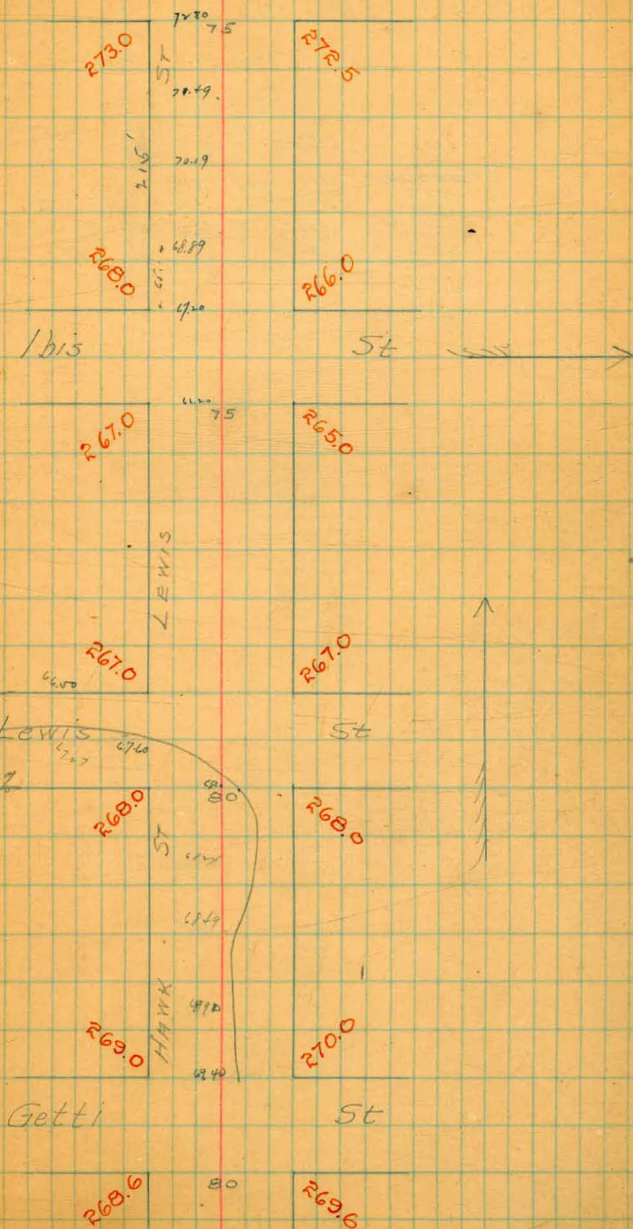
68.34 66.60 66.93 67.27 67.60
5.31 5.08 4.72 4.38 4.05

71.64 HI 68.00 68.24 68.49 68.90
4.33 4.07 4.43 4.18 3.77
72.67 HI

Jackdaw

St.

12



B.M. 273.72 S.W. Jackdaw spk.

275.87 S.E. Ingalls -

277.05 S.W. Hooker -

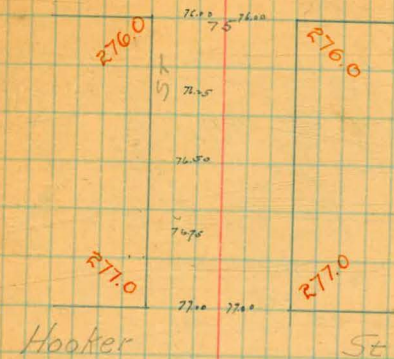
275.60 - - Randolph -

7708	7700	7675	7650	7625	7600	7575
3.66	3.74	3.97	4.24	4.47	4.74	5.20
7708	7700	7675	7650	7625	7600	7575
3.66	3.74	3.97	4.24	4.47	4.74	5.20
7708	7700	7675	7650	7625	7600	7575
3.66	3.74	3.97	4.24	4.47	4.74	5.20
7708	7700	7675	7650	7625	7600	7575
3.66	3.74	3.97	4.24	4.47	4.74	5.20
7708	7700	7675	7650	7625	7600	7575
3.66	3.74	3.97	4.24	4.47	4.74	5.20

Randolph

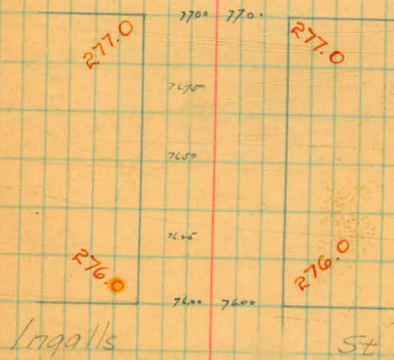
St.

13



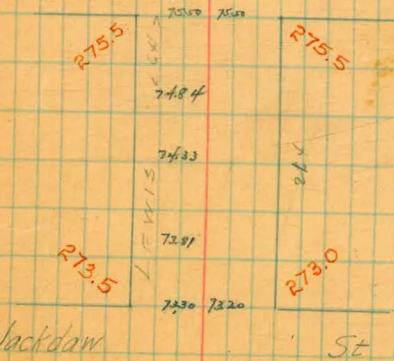
Hooker

St.



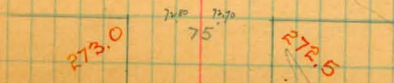
Ingalls

St.



Jackdaw

St.



[illegible]

$\frac{1230}{615}$

Hermosa Way 14

[illegible]

B.M. 274.30 set near forks of Road at Nursery.

265.44 SE. Howard 1/2 in. 107.

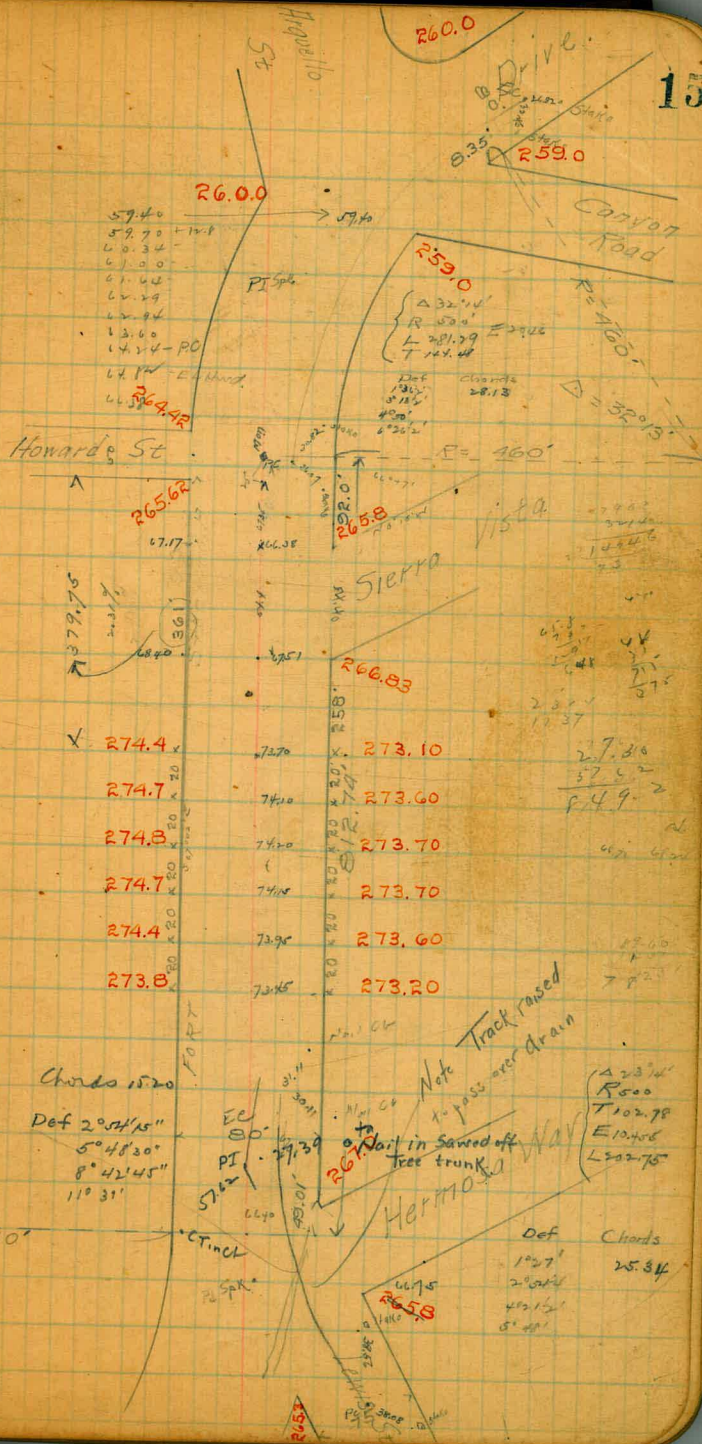
265.44

267.43- B.M. N.E.S.K.	66.32	67.57	73.70	24.10	74.20	24.15	73.75
276.19 141	9.81	9.02	8.48	2.47	1.69	1.77	2.04
73.26 TP	73.45	64.6	64.40	6.0	60.16		
74.14 141	1.77	6.28	8.34	6.22	6.70		
	2.91		1.9	67.60			
67.43	6.82	6.24	63.6	6.92	7.14	6.29	
49	3.10	3.57	4.32	4.98	5.63	4.11	6.16.7
67.24 141	6.10	6.00	60.34	5.70	5.40		2.90417
72.3	6.28	6.82	7.88	8.22	8.52		

260.29 by Sprague Arguello	2.90417	150.00	10.00	65.62	1.31	1.60	2
2.0551	5.80834	15.25	12.38	8.78	7.6	10.	15.20
1.5	8.71251			1.40			
10.2785	11.61668						
20.057							
30.835							

4054981	4054981	4014207	40724
152.35	14765	4054981	15
20.274905	20.274905	20274905	
24.32 9886	24.32 9886	4054981	
2838.4 867	2838.4 867	60844713	
16.219924	16.219924		
4054981	4054981		
20.274905	20.274905		
4054981	4054981		
61.77763	55.35 out = 61.92		

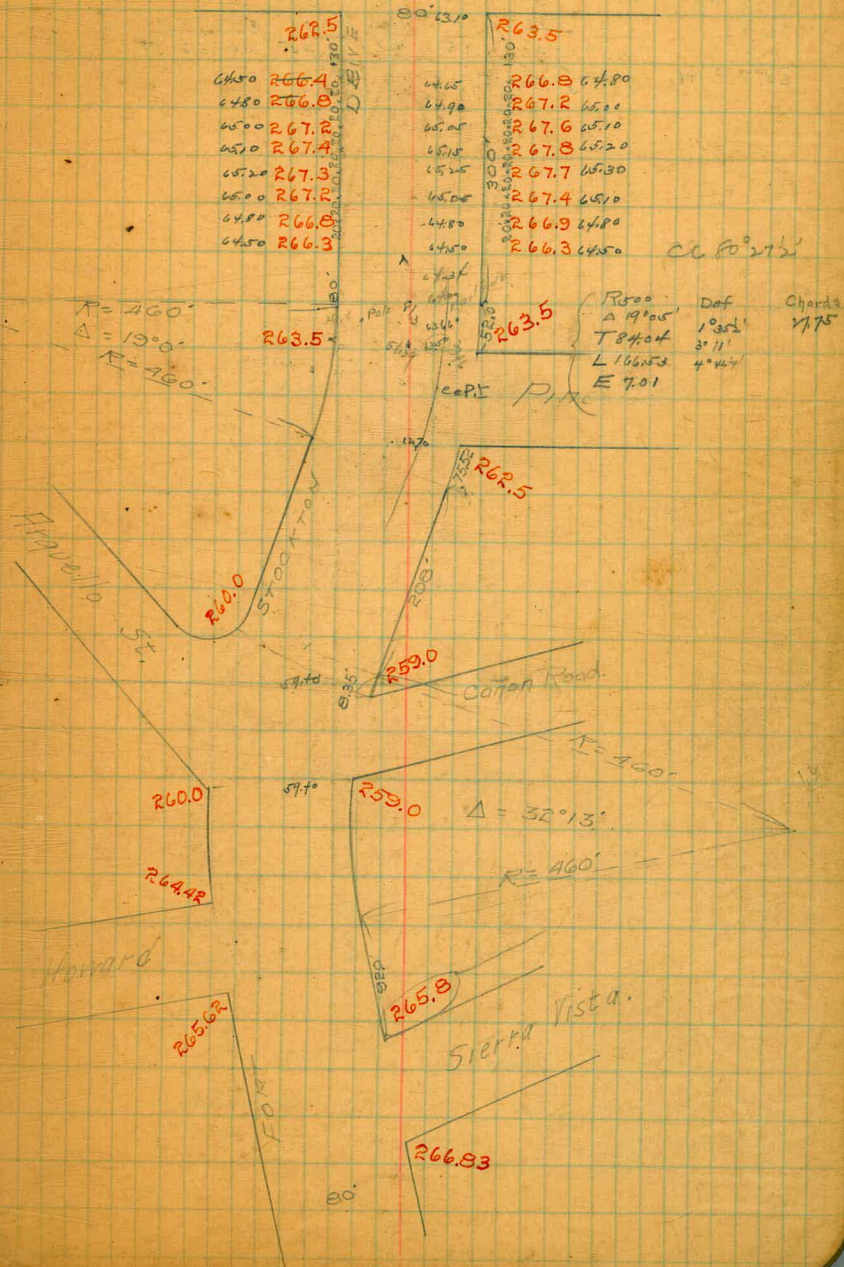
2975
1.725



	264.72	Cop tack pole	max				
60.69	243	270	63.10	63.22	64.00	64.20	64.50
492	63.18	29.1	2.11	1.95	1.61	1.43	1.27
65.61	64.20	65.05	65.25	65.5	65.05	64.90	64.65
89	0.81	3.05	2.85	2.95	3.00	3.20	3.45
64.42	63.27	63.10	63.10	63.20			
332	4.23	5.00					
68.10							

mon at E of ctr
st 59.07' under
St

16



A hand-drawn diagram on lined paper showing a rectangular plot. The left vertical boundary is labeled 'P.O.' (Point of Origin) at the bottom. The right vertical boundary is labeled 'P.C.' (Point of Commencement) at the bottom. The top horizontal boundary is labeled '134.97' and the right vertical boundary is labeled '124.45'. A small 'A' is marked at the top right corner. The plot is bounded by a vertical line on the left, a horizontal line on top, and a vertical line on the right. A diagonal line extends from the bottom left corner towards the top right.

19

T	24.39
L	47.17
E	3.87
Chord	Def
1178	4°30'
1	7°00'
2	13°30'

Inside Goosecreek 2^d & Washington

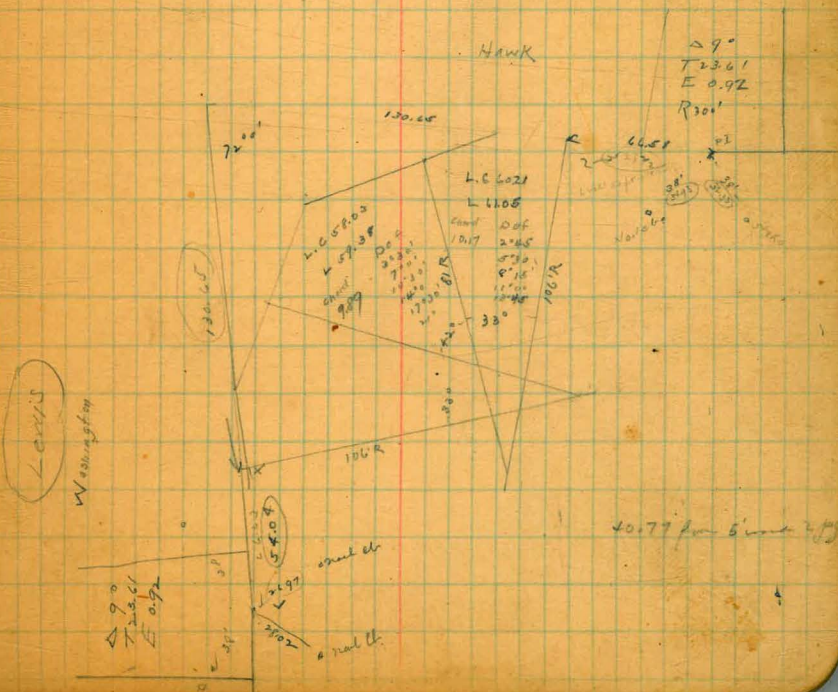
Woght

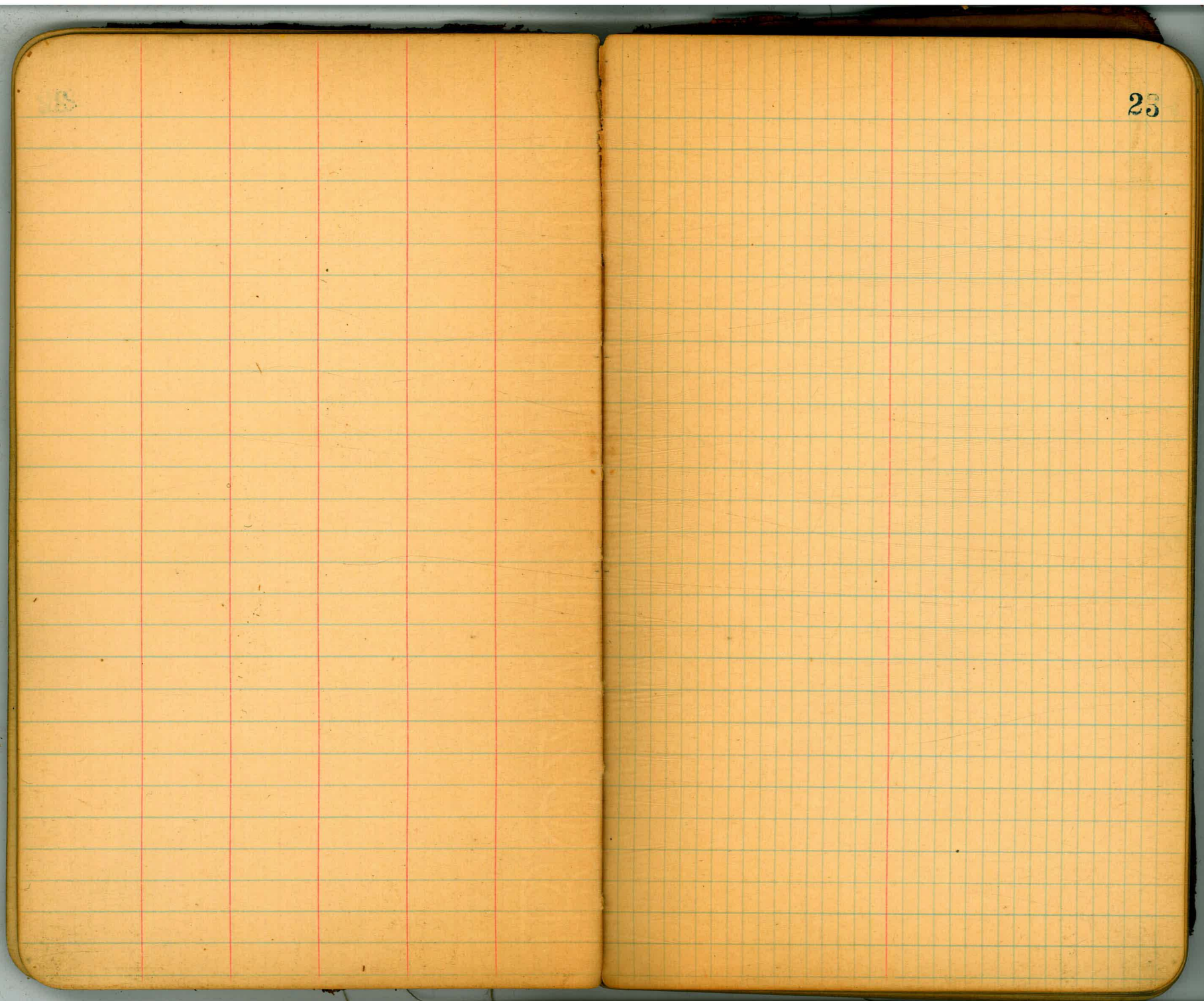
[illegible]

2 22.0
2 22.0
26°
R231.0
T12.1
E032

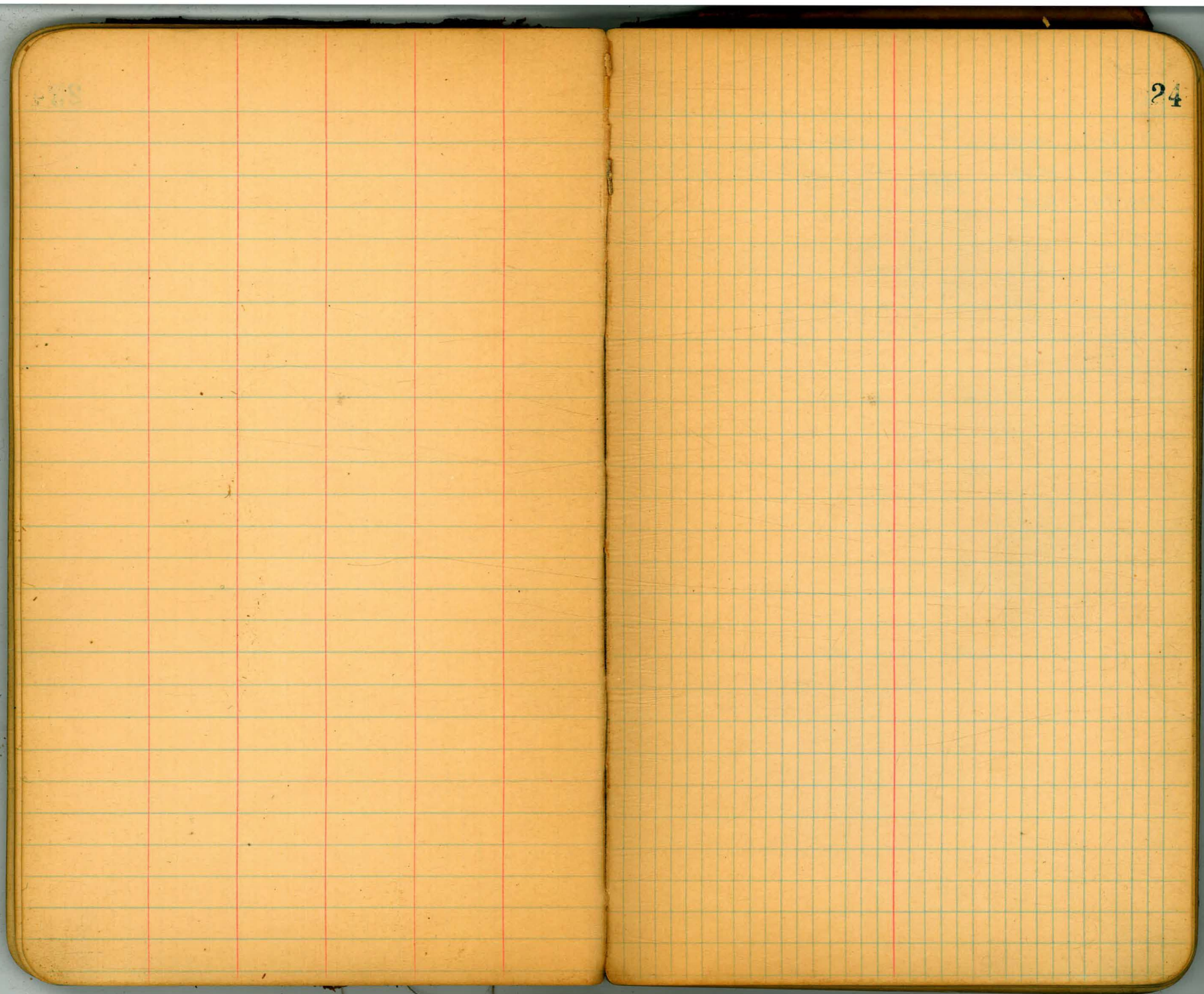
$$\begin{array}{r} 163.96 \\ 425 \\ \hline 121.36 \end{array}$$


21





23



Beech SW	44.00	36.95	22.80	22.67	20.74	41.40	42.27
	56.00	44.91	22.80	22.67	20.74	41.40	42.27
Cedar SW	55.91	55.91	22.80	22.67	20.74	41.40	42.27
Date SW	59.00	59.00	22.80	22.67	20.74	41.40	42.27
55.91	57.00	57.13	57.47	57.80	57.13	57.47	57.80
7.82	6.03	6.70	5.26	5.53	4.70	4.36	4.03
63.85	44.00	44.00	44.00	44.00	44.00	44.00	44.00
55.91	12.57	1.45	2.32	2.32	3.18	4.03	3.67
0.37	5.25	3.10	2.78	2.78	3.18	3.18	3.18
57.8	44.00	44.00	44.00	44.00	44.00	44.00	44.00
57.8	1.45	6.25	6.25	6.25	6.25	6.25	6.25
57.8	45.45	45.45	45.45	45.45	45.45	45.45	45.45
7.8	1.03	9.25	9.25	9.25	9.25	9.25	9.25
56.00	52.44	52.44	52.44	52.44	52.44	52.44	52.44
56.43	56.43	56.43	56.43	56.43	56.43	56.43	56.43
56.43	56.43	56.43	56.43	56.43	56.43	56.43	56.43
55.98	55.98	55.98	55.98	55.98	55.98	55.98	55.98

59 61.0

Date

59.0 59.00 61.0

59.0 59.49

59.13

58.00

57.47

57.42

57.0 57.00 59.0

Cedar

56.0 56.40 57.0

57.17

57.13

57.0

57.07

57.03

45.0 45.40 46.0

Beech

44.0 44.0 44.40

43.13

42.27

41.40

40.53

39.67

38.8 38.8 39.4

Ash

ELM. SW 67.92

FIR SW 75.93

GRAPE SW. 76.115

75.92 874
6.35

8228 44
5.75
74.42

67.92 75.92 874
4.11
80.04 44

59.02
11.17
70.11 44
2.11
67.92

59.02
1.03
66.06
4.05

60.72
9.41
68.42
1.7

61.42
8.71
68.42
1.7

63.73
6.38

67.92
9.68
77.60 44
1.68
75.92

69.02
7.80
76.82
1.82

70.99
6.61
77.60
1.82

72.12
5.42
77.54
1.82

73.27
4.23
77.54
1.82

74.56
3.04

72.05
5.15
77.20
1.82

73.13
5.15
78.28
1.82

72.25
5.15
77.40
1.82

73.30
5.15
78.45
1.82

74.00
5.48

27

76.5 77.30 78.5

GRAPE ST

76.5 77.30 78.5

77.30

77.13

77.05

76.97

76.88

76.0 76.80 78.0

FIR ST

76.0 76.80 78.0

76.80

76.75

76.56

73.17

72.18

70.99

69.0 69.80 71.0

ELM ST

68.0 68.40 64.0

64.06

63.72

61.0x 61.40 62.0

60.72

60.72

59.0 59.80 61.0

DATE ST

62.92 NW Col. & Ivy Spk. trolley pole

45.88 SW Indigo & Ivy pig rt.

46.87 SW " Juniper pig rt.

43.32 NW " Kal IRIR Spk pole

45.88 SW	48.00	51.75	55.50	59.25	63.00
11.67	9.50	5.80	2.00	5.50	1.71
47.95 NW					
57.35 TP	5.30	48.23	57.25	47.50	
7.42	47.68		61.8	5.40	
62.79 NW	47.17	47.33	47.50	47.67	47.83
	5.76	5.60	5.43	5.26	5.10
45.81 NW	5.3	5.3	5.3	5.3	5.3
7.05	6.05	5.95	5.76	5.59	5.43
52.93 NW	46.00	47.7	46.00	45.2	44.67
46.17	4.72	5.09	5.73	6.36	7.00
52.39	4.33				
52.26 NW	45.7				
46.87	42.13	42.00			
3.80	6.84	7.67			
50.67 NW					

48.0	43.00	44.0
KALMIA		ST

42.0	43.00	44.0
------	-------	------

43.82

47.67

46.53

46.23

47.7

47.0	48.0	49.0
------	------	------

JUNIPER	ST
---------	----

47.0	48.0	49.0
------	------	------

47.82

47.67

47.50

47.32

47.17

46.0	47.00	48.0	63.0	65.0
------	-------	------	------	------

IVY

46.0	48.0	63.0	65.0
------	------	------	------

ST

ST

HIBERNIA

56.33 Laurel N.E. Mon

78.99 Maple N.E. R.R. spk pole

92.52 Nutmeg N.W. R.R. spk pole

99.41 Olive S.W. R.R.

52.33	2.95	52.67	52.52	52.50
1.42	54.80	7.08	5.14	3.25
		33	33	
57.75 M		241	5.50	

56.33	55.50	59.14	62.71	66.20
1.09	1.77	8.13	4.56	8.97

67.27 M	69.86	73.43	77.00
99	7.50	3.98	0.36

66.28 TP	72.2	80.17	82.22	84.53	86.17
11.08	9.05	6.88	4.82	2.55	0.38

77.36 M	78.69	80.17	82.22	84.53	86.17
77.05	78.6	80.17	82.22	84.53	86.17

87.05	87.05 M	87.05	87.05
72	72	72	72

87.05	87.05
72	72

87.05	87.05
72	72

87.05	87.05
72	72

87.05	87.05
72	72

91.0

93.0

NUTMEG

ST.

90.0

91.0

92.0

82.83

82.67

81.00

80.23

80.17

77.0

78.0

79.0

MAPLE

ST

76.0

77.00

78.0

72.42

69.86

66.28

62.71

59.14

55.50

55.0

55.50

56.0

LAUREL

ST

54.0

54.50

55.0

52.51

50.67

48.75

46.83

44.90

42.0

43.00

44.0

KALMIA

ST

99.91 Palm S.E. Pig rt.

103.34 Quince S.E. Mon

96.11 Redwood N.W. R.R. Spk pole

91.00	0.17	71	99.90	0.63
5.36	100.11	101.27	1.08	72.00
99.91	92.00	3.27	2.41	
9	9.98	99.29	100.13	
98.02 TP	99.00	99.90	99.00	100.33
100.98 HT	9.92	2.66	6.00	4.67
99.91				3.33
2.65	2.67	2.03	2.00	2.00
102.56 HT	2.03	2.67	2.00	
99.91				
5.09				
105.00 HT				
1.68				
103.32				

QUINCE

ST

101.0	102.00	103.0
101.0	2.03	
	2.67	
103.0	103.00	104.0
150'	104.67	150'
	100.33	
98.0	99.00	100.0

PALM

ST

98.0	99.00	100.0
------	-------	-------

OLIVE

ST

99.0	99.90	101.0
------	-------	-------

NUTMEG

ST

91.0	92.0	93.0
------	------	------

86.42 Spruce SE RR Spk

85.51 Spgs. " " "

89.52 Thorn " " "

83.57 ⁴³ Upas N.E. " "

81.06 Vine SW Mon

103.34	102	101.23	100.67	100.0	99.37
104.00 M	200	2.67	3.22	4.00	4.57
709	99.00	99.67	99.00		
96.91 TP	200	2.67	3.22	4.00	4.57
217	99.00	99.67	99.00		
99.08 M	200	2.67	3.22	4.00	4.57

103.34 M	102	101.23	100.67	100.0	99.37
104.00 M	200	2.67	3.22	4.00	4.57
95.08 TP	200	2.67	3.22	4.00	4.57
1.53	99.00	99.67	99.00		
96.08 M	200	2.67	3.22	4.00	4.57
1.78	99.00	99.67	99.00		
88.20 M	200	2.67	3.22	4.00	4.57
207	99.00	99.67	99.00		
83.83 TP	200	2.67	3.22	4.00	4.57
1.78	99.00	99.67	99.00		

83.0	85.0
SASSAFRUS	ST

83.0	84.00	85.0
	84.17	
	84.33	
	84.50	
	84.67	
	84.83	
84.0	85.00	86.0

SPRUCE	ST
--------	----

84.0	85.0	86.0
	87.0	
	89.0	
	91.0	
	93.0	
	95.0	
96.0	97.0	98.0

REDWOOD	ST
---------	----

97.0	98.0	99.0
	96.0	
	99.0	
	100.0	
	100.67	
	101.23	
101.0	102.0	103.0

QUINCE	ST
--------	----

P3.22	P4.00	P4.67	P5.33	P6.00	P6.67	P7.33	P8.00
5.72	5.45	4.94	4.28	3.61	2.94	2.28	1.61
89.61 M.	5.45	4.94	4.28	3.61	2.94	2.28	1.61

F9.51

P9.52	P10.00	P10.67	P11.33	P12.00	P12.67	P13.33	P14.00
0.60	2.12	2.35	2.79	4.63	5.46	6.29	7.12
89.52	2.12	2.35	2.79	4.63	5.46	6.29	7.12
90.12 M.	2.12	2.35	2.79	4.63	5.46	6.29	7.12

P15.00	P15.67	P16.33	P17.00	P17.67	P18.33	P19.00
0.72	0.31	0.33	3.47	3.61	3.81	4.14
83.40 T.P.	0.31	0.33	3.47	3.61	3.81	4.14
83.40	0.31	0.33	3.47	3.61	3.81	4.14

P20.00	P20.67	P21.33	P22.00	P22.67	P23.33	P24.00
0.72	0.31	0.33	3.47	3.61	3.81	4.14
86.12 M.	0.31	0.33	3.47	3.61	3.81	4.14
86.12	0.31	0.33	3.47	3.61	3.81	4.14

85.08 Lower cleat talpils. 3.5 1112

VINE ST.

80.0

81.0

82.0

UPAS

82.0

81.0

THORN

82.0

83.0

SASSAFRAS

80.0

81.0

82.0

82.0

81.0

82.0

83.0

82.0

83.0

84.0

84.0

89.0

89.0

85.0

ST

V² 72.32 Willow N.E Spk pole

66.29 Chalmers SE RR spk pole

78.09 Winder N.W Spk pole high

72.32	81.00	79.33	77.67	76.00	74.33	72.67	71.00
9.69	1.85	2.68	4.34	6.01	7.68	9.34	11.01
82.01	1.85				7.68		
	71.00	70.33	69.67	69.00	68.33	67.67	67.00
72.32	3.79	4.46	5.12	5.79	6.46	7.12	7.79
2.47							
74.79	61.23	70.67					
	59.6	4.17					
	6.29	4.29					

WINDER

ST

77.0

78.0

77.0

78.0

79.0

66.0

67.0

68.0

CHALMERS

ST

66.0

67.00

68.0

67.67

68.33

69.00

69.67

70.33

70.0

71.00

72.0

WILLOW

ST

70.0

71.00

72.0

72.67

73.33

74.00

74.67

75.33

80.0

81.00

82.0

YINE ST

GLENWOOD

CALIFORNIA

ST

ARCTIC

ST

HARVEST

ST

WINTER

ST

78.0

78.0

77.0

80.0

80.0

79.0

N

Z

Curve State & Data

 $\Delta 9^{\circ}52'$ R 300' T 590 L 51.66 Chord 1291 Def 1'14'

Curve state & Fr.

 $\Delta 10^{\circ}30.2'$ R 300' T 715.7 L 55.02 Chord 1275 Def 2'37.5'

Inside Curve State & Ivy - India & Ivy outside

Spiral #4 C.C.C.R. - Def 1' = 47746				Spiral #4			
Sta		$\Delta 9^{\circ}52'$	O.G. = 60.875			$\Delta 9^{\circ}52'$	T 76.13
5.13	0'22"	{	G.S. = 15.342			L.C.C. 13.37	$\Delta 10^{\circ}31'$
10.27	0'52.5"		T 76.29			Chords	Def
15.40	1'03.8"	L.C.C. 13.53	State & Ivy	India & Ivy	10.55	10'05'10"	
20.51	2'03.75"	Chords	Def out 66'0.8"	68'1.84"		16'07'10"	
		10.58	5'03.20" in 61'0.5"	60'10.76"		20'10'20"	
			10'06'40"			24'13"	
25.62	3'05.1"		15'10"				
			20'13'20"				
30.70	4'18.2"		25'16'40"				

Curve India & Olive

 $\Delta 16^{\circ}21'$ R 300' T 43.10 L 53.61 Chords 1270
 $\Delta 16^{\circ}21'$ R 300' T 43.10 L 53.61 Chords 1270
 $\Delta 16^{\circ}21'$ R 300' T 43.10 L 53.61 Chords 1270
 $\Delta 16^{\circ}21'$ R 300' T 43.10 L 53.61 Chords 1270

Grades for ST. RY 16th K to M

8.46
7.10
15.60
1.37
14.23
4.02
1.90
16.50
1.25
4.32
16.33
2.74

16.50
7.10
15.60
1.37
14.23
4.02
1.90
16.50
1.25
4.32
16.33
2.74

16.00
16.00
16.00
16.00
16.00
16.00
16.00
16.00
16.00
16.00
16.00
16.00

16.48 NW K
6.46 NE M

16.48 NW
4.01

20.49 NW 14.46 13.03
6.03 7.46

14.46

15.28

16

14.75

13.0

14.23

15.0

12.0

13.23

14.0

12.42

12.62

10.86

12.05

2.20

7.26

9.07

8.00

7.73

8.00

8.00

8.00

8.00

Curve - 15th K - 15th M

13'E of CL

15th
17.00
17.00
17.00
17.00
17.00
17.00
17.00
17.00
17.00
17.00
17.00

Dot - Chords
30.00

6.00

9.00

12.00

15.00

18.00

21.00

24.00

27.00

30.00

33.00

36.00

39.00

42.00

45.00

48.00

51.00

54.00

57.00

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63.00

66.00

69.00

72.00

75.00

78.00

81.00

84.00

87.00

90.00

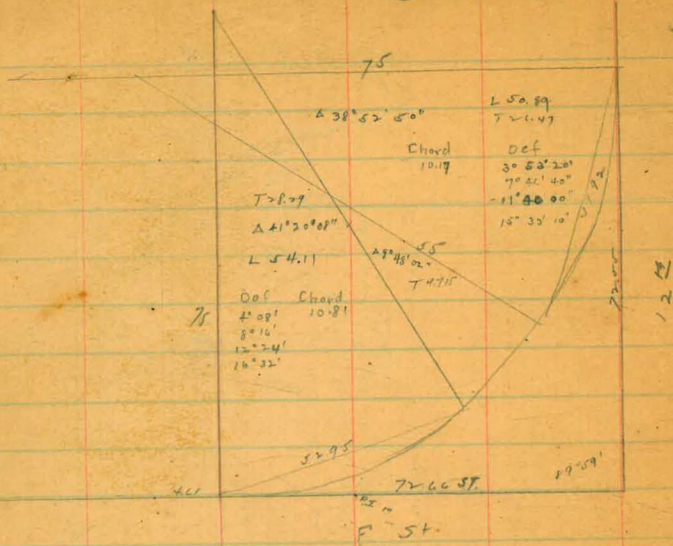
93.00

96.00

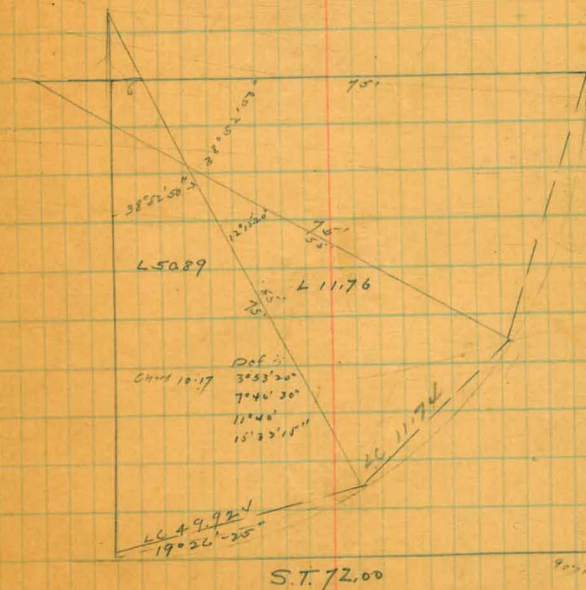
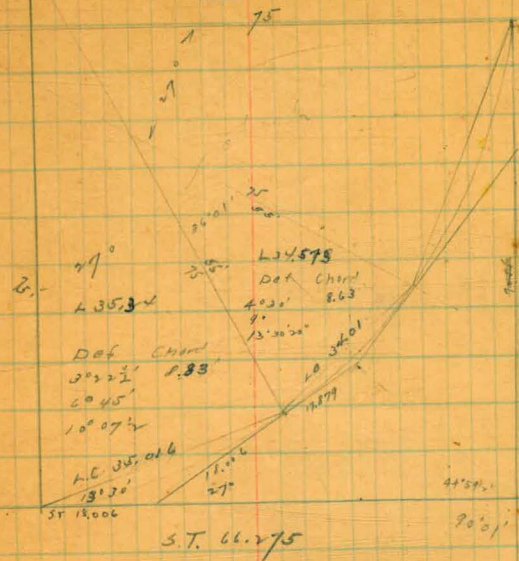
99.00

5' North

Outside Curve 12th & F



Inside Currc - 12th x Broadway ⁶/₁₄ } Dan
12th & F ²/₁₄ } Howard
39



Outside Curve 12th & Broadway

Grades for S.D. Elec Ry Co - Broadway 6-16th } Darn
Hancock
Herrick

56.00 56.00

16th St

56.00 56.00 56.00
57.00 57.00 56.50

15th St

57.00 57.00 56.50
58.00 58.00 57.50
57.00 57.00 56.50

14th

St

57.00 57.00 56.50
56.00 56.00 57.50

Broadway

13th St
59.00

59.00 59.00

57.07 Ben NW 1/4 1/4 1/4 1/4
49.1 4.35 47.00 5.00 56.50 5.67
62.07 M 58.00 4.87 57.02 5.96 56.79
57.07 56.00 6.12 56.50
62.08 M 57.00 5.91 6.52
57.07 NW 62.02 M 5.85 56.00 4.13 57.00 5.75 56.61
57.06 57.00 6.33 57.00 5.00 57.00 4.33
62.08 M 57.00 5.55 5.61 5.01 4.02 57.50
57.07 56.90 56.90 57.10 57.00 57.01
62.08 M 56.50 5.15 5.23 5.00 5.72 3.66
57.07 P 58.3 56.87 56.10 5.62 56.87 58.90
62.03 M 56.50 5.25 4.71 57.46 57.50
56.40 TP 5.71 6.09 57.88 5.19 56.9
4.81
61.21 M 62.07 M 57.00
57.07 57.00 4.97
50.0 5.97 4.97
62.07 M

5 W. 11th Plg 70.74

61.95 NE 9th RR SpK P.O. 10

N.W 10th " 67.01

73.64	5.36	5.36	5.47	5.76	70.60	5.36
4.21	71.04	71.04	71.38	71.09	6.25	71.85
76.85	6.24	71.05				
	71.81	6.85				

74.74	5.25	5.25	4.45	5.17	7.76	3.85	3.91
5.98	71.44	71.56	72.1	72.1.7	72.9.4	72.9.0	72.8
74.74	72.1.7	72.1	72.1.7	5.37	5.77	5.09	
20.71	4.5.5	72.77	4.6.1	71.23	70.8.2	71.5.7	
6.04	71.97	71.42	5.73	7.46			
76.78	4.9	4.8.1	5.20	70.8.7	6.20		

72.64	70.74	71.65	70.90	68.8	62.0	65.8
39.6	5.69	4.78	5.53	66.6	66.51	66.98 = calc
74.60	76.40	74.89	74.29	71.8		
57.57		68.03	68.22	67.8		
51.2	67.06					
51.9	52.9					

67.02	72.51	67.70	66.20	3.35	3.28
67.21		4.81	6.31	6.07	6.43
67.73	3.26	4.56	4.60	7.35	6.07
57.5					7.38
61.95	61.47	60.18	60.11	57.36	58.29
		60.12			60.09

7/50	7/25	7/15	7/10
	7/10	7090	
	10	00	
12th St			

72.50 72.0 71.9 71.5

71.00	73.00	72.67	72.00
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130°	72.30	72.15	71.50
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174

71.8°	71.4°	71.4°	71.0°
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6850	6875	6900	6925	6950
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4751

67.00 66.75 66.70 66.50

61.50 61.50 61.50 61.50

9th

6020	6020	6025	6030	6035	6040	6045	6050	6055	6060	6065	6070	6075	6080	6085	6090	6095	6100	6105	6110	6115	6120	6125	6130	6135	6140	6145	6150	6155	6160	6165	6170	6175	6180	6185	6190	6195	6200	6205	6210	6215	6220	6225	6230	6235	6240	6245	6250	6255	6260	6265	6270	6275	6280	6285	6290	6295	6300	6305	6310	6315	6320	6325	6330	6335	6340	6345	6350	6355	6360	6365	6370	6375	6380	6385	6390	6395	6400	6405	6410	6415	6420	6425	6430	6435	6440	6445	6450	6455	6460	6465	6470	6475	6480	6485	6490	6495	6500	6505	6510	6515	6520	6525	6530	6535	6540	6545	6550	6555	6560	6565	6570	6575	6580	6585	6590	6595	6600	6605	6610	6615	6620	6625	6630	6635	6640	6645	6650	6655	6660	6665	6670	6675	6680	6685	6690	6695	6700	6705	6710	6715	6720	6725	6730	6735	6740	6745	6750	6755	6760	6765	6770	6775	6780	6785	6790	6795	6800	6805	6810	6815	6820	6825	6830	6835	6840	6845	6850	6855	6860	6865	6870	6875	6880	6885	6890	6895	6900	6905	6910	6915	6920	6925	6930	6935	6940	6945	6950	6955	6960	6965	6970	6975	6980	6985	6990	6995	7000	7005	7010	7015	7020	7025	7030	7035	7040	7045	7050	7055	7060	7065	7070	7075	7080	7085	7090	7095	7100	7105	7110	7115	7120	7125	7130	7135	7140	7145	7150	7155	7160	7165	7170	7175	7180	7185	7190	7195	7200	7205	7210	7215	7220	7225	7230	7235	7240	7245	7250	7255	7260	7265	7270	7275	7280	7285	7290	7295	7300	7305	7310	7315	7320	7325	7330	7335	7340	7345	7350	7355	7360	7365	7370	7375	7380	7385	7390	7395	7400	7405	7410	7415	7420	7425	7430	7435	7440	7445	7450	7455	7460	7465	7470	7475	7480	7485	7490	7495	7500	7505	7510	7515	7520	7525	7530	7535	7540	7545	7550	7555	7560	7565	7570	7575	7580	7585	7590	7595	7600	7605	7610	7615	7620	7625	7630	7635	7640	7645	7650	7655	7660	7665	7670	7675	7680	7685	7690	7695	7700	7705	7710	7715	7720	7725	7730	7735	7740	7745	7750	7755	7760	7765	7770	7775	7780	7785	7790	7795	7800	7805	7810	7815	7820	7825	7830	7835	7840	7845	7850	7855	7860	7865	7870	7875	7880	7885	7890	7895	7900	7905	7910	7915	7920	7925	7930	7935	7940	7945	7950	7955	7960	7965	7970	7975	7980	7985	7990	7995	8000	8005	8010	8015	8020	8025	8030	8035	8040	8045	8050	8055</
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57.0 56.45 61.5 56.01

87h

81.0 56.65 56.65 56.50

8th

St

56.50 56.00 55.90 55.50

7th

St

56.25 56.20

56.50 56.75 56.65

6th

St

56.65 56.60

47.7 46.74 46.7

5th

St

47.8 46.7

4th

St

N. 1st 7th 53.6 v Plg rt

SW 6th 50.71 Plg.

NE 8th 57.35 Spk pole

SW 5th 46.47 Plg rt

45

57.35
2.67
60.07 M 56.05 56.50 56.15 55.50 49.0 43.7 43.7 50.7
53.6 52.75 53.30 6.22 54.2 6.35 50.88 5.18
55.5 4.75 50.75 51.57 50.66 50.25 6.76
58.25 56.7 56.7 50.15 52.70 53.40 6.06
5.46 57.0 M 6.94 4.39 5.69 46.2
5.89 57.35 55.40 56.15 46.78
57.0 M 4.16 6.14 5.39
6.5 M 4.73 5.73 5.80 5.65 5.72 5.77
46.57 57.7 5.02 46.6 5.23 50.57 50.72 50.55 42.67
52.2 M 45.52 52.64 5.20 2.90 44.95 44.84 45.06 45.17
5.57 6.85 2.23 46.17 46.07 4.42 44.53 4.31 42.0
2.80 44.41 44.29
49.37 M 4.96 5.02

D NW 7264 Plg.

E NW 66.53 Plg

C. N. W. 84.48 Plg.

8 { Davis
Hancock
Herrick

44

Grades for St. Ry 12th St - Fto Park

59.49								
6.50	4.39	5.35	5.91	5.82				
65.78	10.39	60.43	5.87	5.85				
66.53	5.69	61.81	6.10	6.65				
4.23		65.30	6.01	6.16				
70.87	65.12							
65.53		61.71	5.41	66.50	66.59			
9.95		61.92	6.07	5.18	5.89			
71.45		66.1	7.25	4.73	70.60	61.3	69.71	
72.61		71.27	6.08	71.10	5.20	6.27	6.08	
9.10								
75.83								

四

54

72.50

71.50

71.50

71.50

66.50

67.50

五

54

6500

پی پی ۷

5950

5950

59.00

59.0

F

54

15

13	44
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C N.W. 24.48 P19.

B N.W. 27.41 P19.

A N.W. 105.42 P19.

50.7' Line A 117.082 22° 02' 46" L 66.21

72.91 - PC W Curve 3.95
72.91 - PC E Curve 3.95
72.00 - CH - E track 4.78
72.16 CH W track 4.78
71.70 W Cross 3.26
71.60 E Cross 3.26

72.33 133 W track 72.33
71.70 416 E track 72.12
145.03 416

72.51 4.55
72.16 4.37
33 4.18
72.91 4.045
71.60 4.465
104.51 4.503
72.25 5.10
72.00 5.15

315.50 14.77 13.77
320.78 5.11 6.11
15.50 5.22 5.94
438 -0.15 +0.17
19.88 7.11 8.11 9.11 10.11
627 6.27 7.27 8.27 9.27
4.87 11.11 12.11 13.11 14.11
587 12.11 13.11 14.11 15.11
527 12.05 13.05 14.05 15.05

304.85
301.6

Curve Area

316.75 3/4 3/4 former grade

15.50
15.00
14.77
13.77
12.77
11.77
10.77
9.77
8.77
7.77
6.77
5.77
4.77
3.77
2.77
1.77
0.77
0.00

A

54

B

54

C

54

D

54

5

12th

11th

Grades in Paving Book

'B'

10th

826

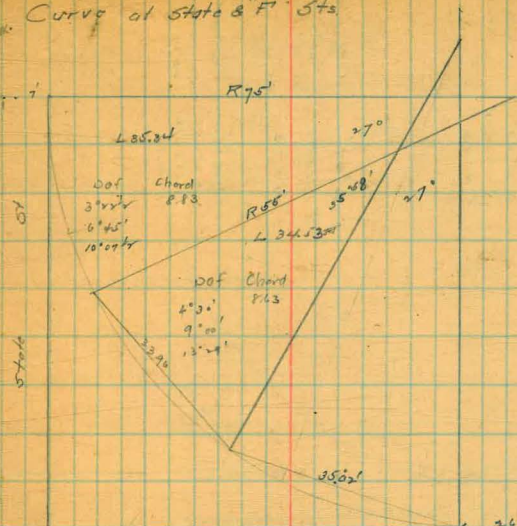
57

826

57

Grades in potting book

Curve of State & F Sta



Arctic Y F

D 90°

75 - 55 - 75

S.T. 66.26

27 - 36 - 27

CC

R 55

Δ 36°

L 24.53

L 24.53

Def Chord

R 55

4.31

9.00

13.14

Def Chord

R 43

4.31

9.00

13.14

Curves at Front & T Sts

offset Curve in 'No Gauge
 $\Delta 2'50"$ Chord
 $T 46.95$
 $R 189.72$

$\Delta 2'50"$ Chord
 $T 47.11$
 $R 190.58$

$\Delta 2'50"$ Def Chord
 $T 47.56$ $21'15"$ 29.68
 $R 190.58$ $42'50"$ $1'03'45"$

offset Curve in 'No Gauge
 $\Delta 2'50"$ Chord
 $T 47.52$ $23'35"$
 $R 192.94$

Chord
 $20'46"$
 $\Delta 2'27"$
 $R 191.508$
 $T 44.93$

Def Chord
 $18'30"$ 20.56
 $R 190.508$ $36'46"$
 $T 40.73$ $53'10"$

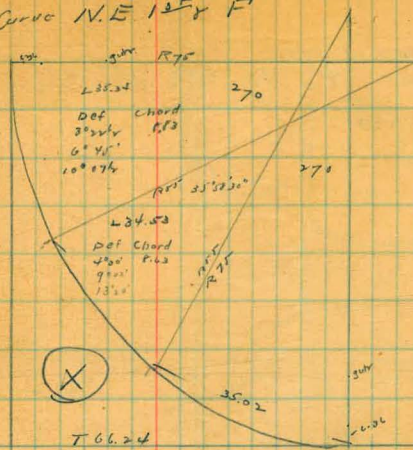
offset Curve in 'No Gauge
 $\Delta 2'27"$ Chord
 $R 189.672$ 20.29
 $T 40.59$

20

Front

Inside Curve N.E 1st F

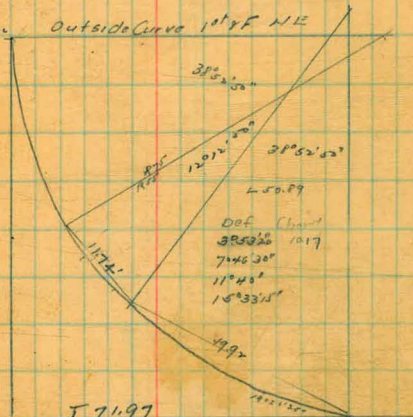
49



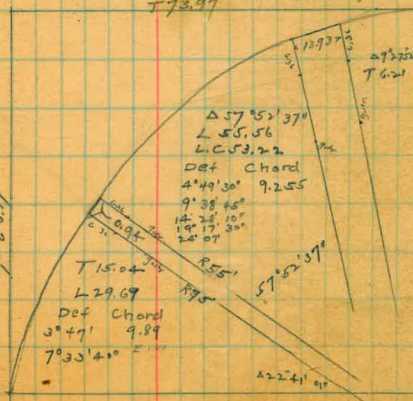
6.12
 10.34
 80.60

6.1
 5.65
 4.97
 19.43
 5.21

Outside Curve 1st F N.E



Curve S.E 1st F Sts



2475 N.E. Union x F Top Hyd.

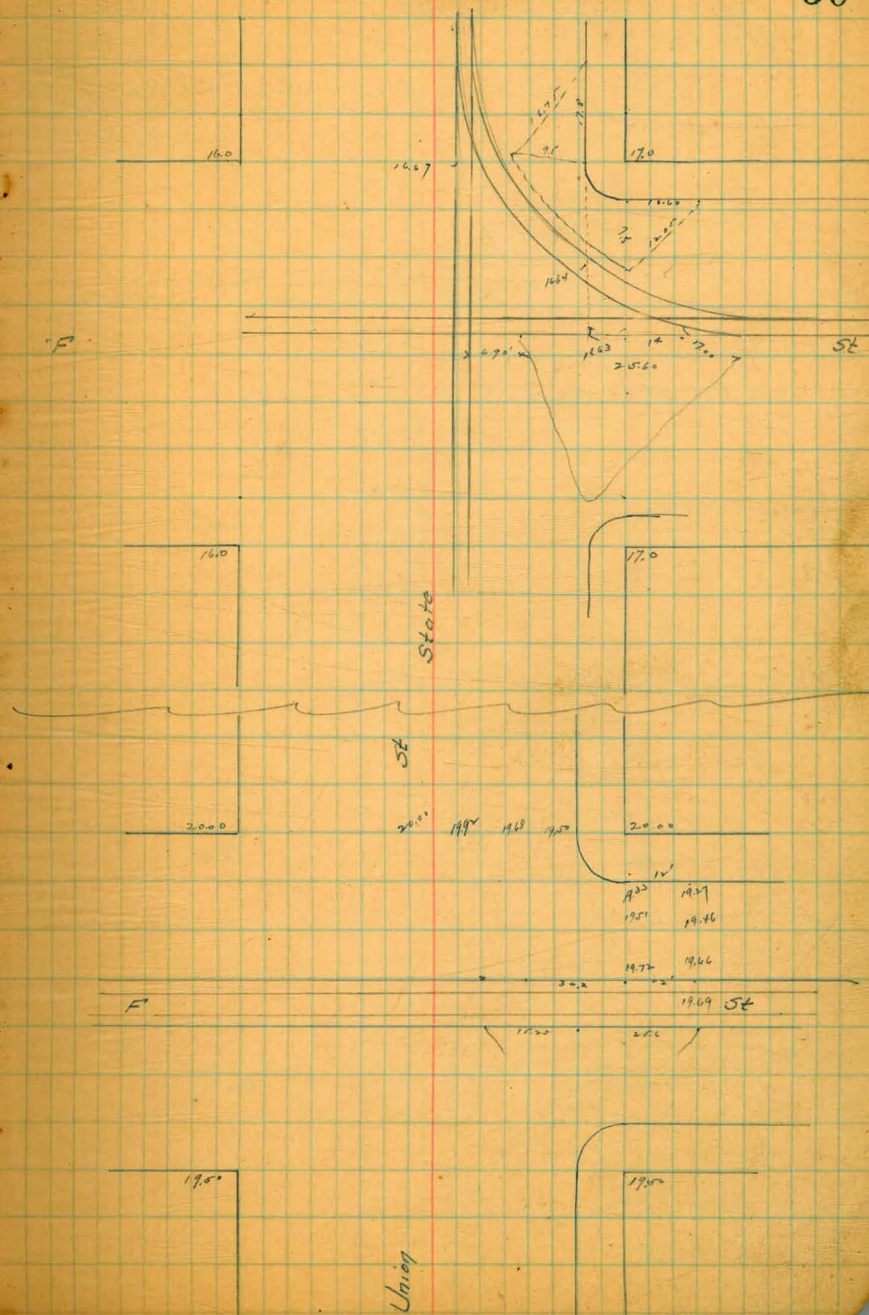
1249 Bar S.W. Front.

16.00 B.M. S.W. State

5.85	4.55	4.55	4.92	4.85	6.27
21.55 M	17.10	17.00	16.63	16.67	16.48
5.45	1.15				
21.42 M	22.90				

875
24.75 M

50



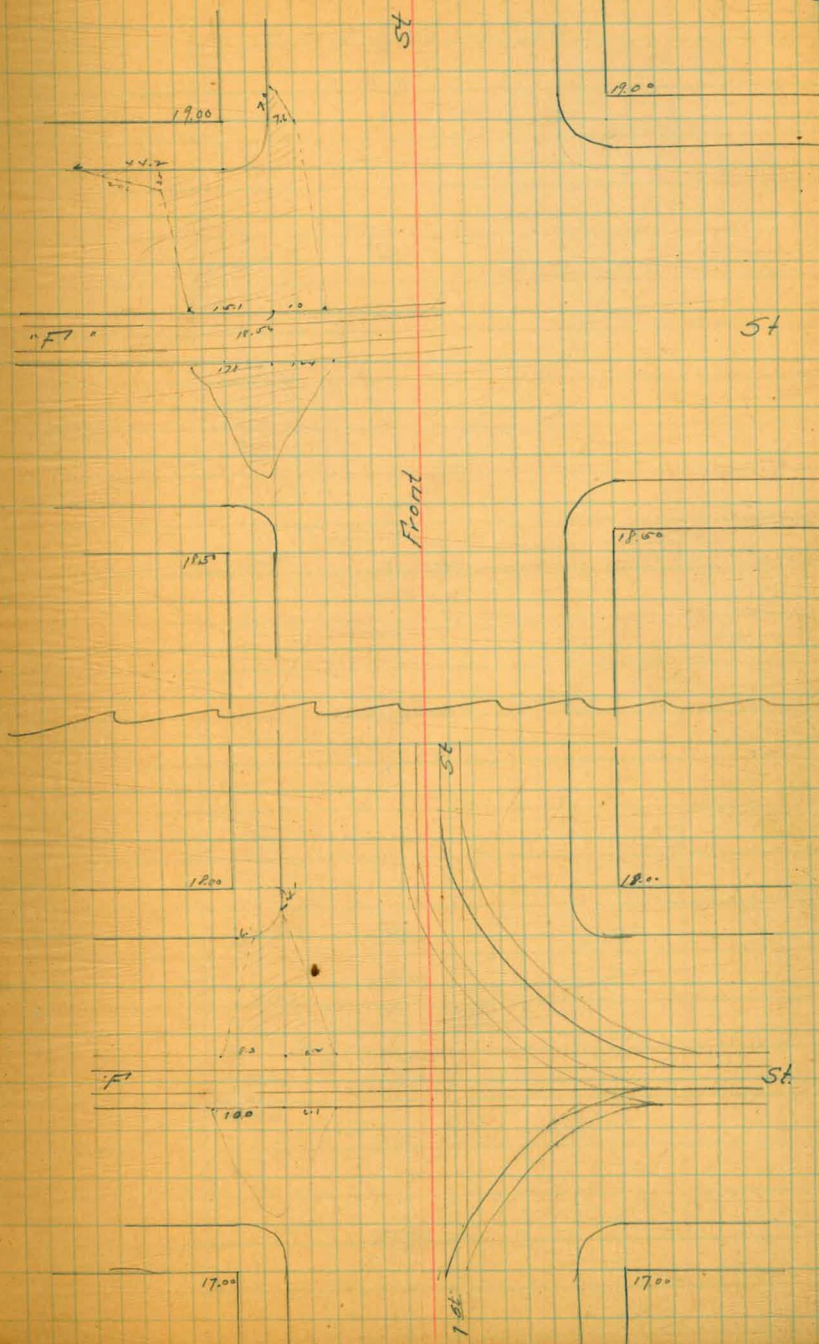
11.49. Pig. SW Front.

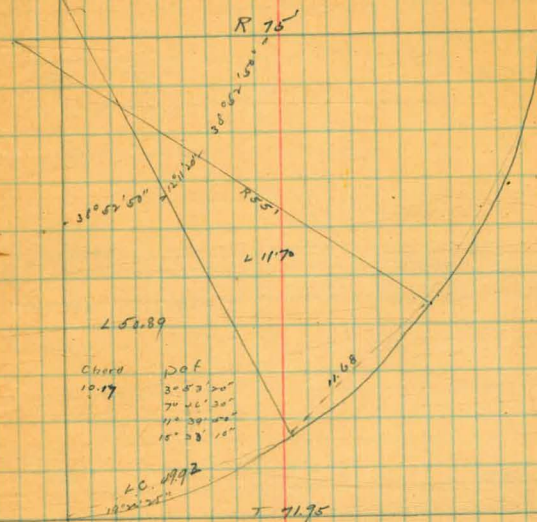
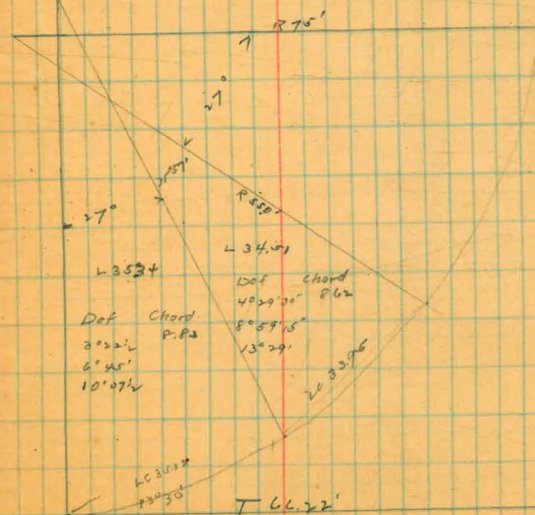
15.49
5.67
20.16

5.62
18.56

16.92 SW 1st XF Pig. rt.

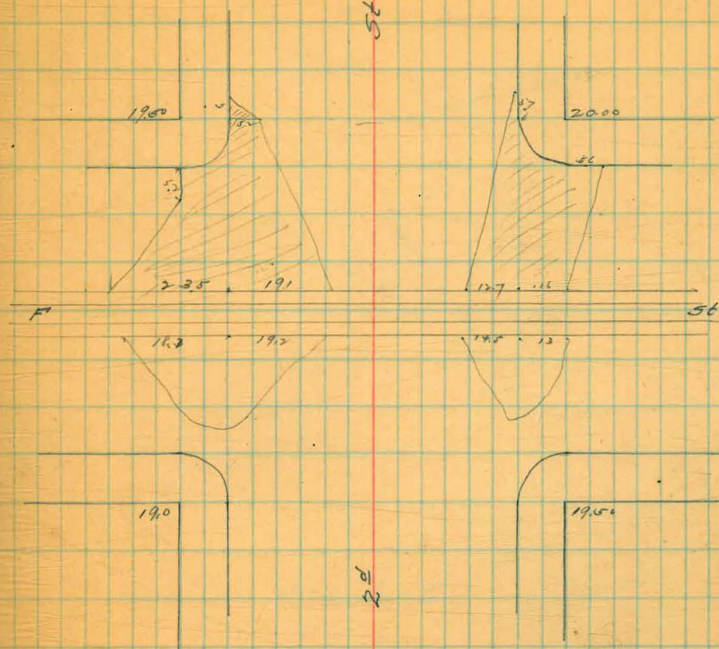
51



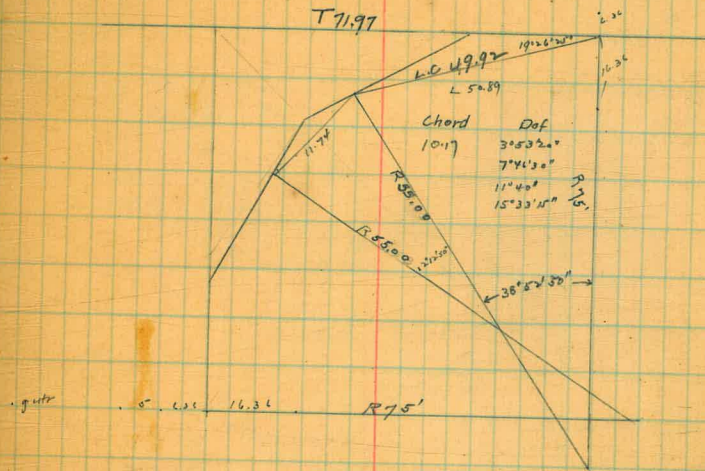
Outside Curve 12^m 7BInside Curve 12^m 7B

1896 S.W. 2^d Plg. rt.

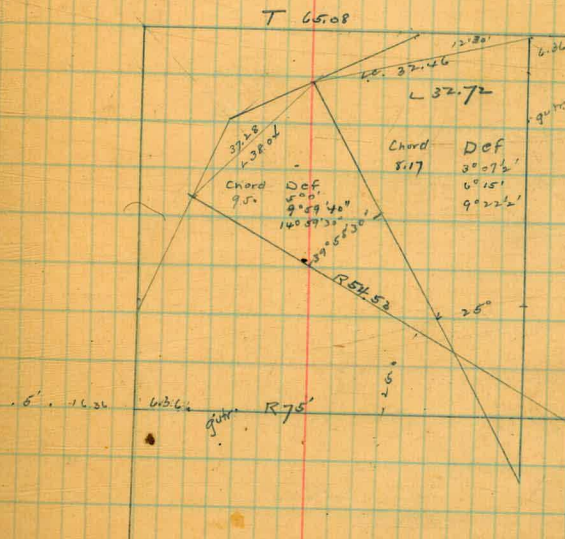
53

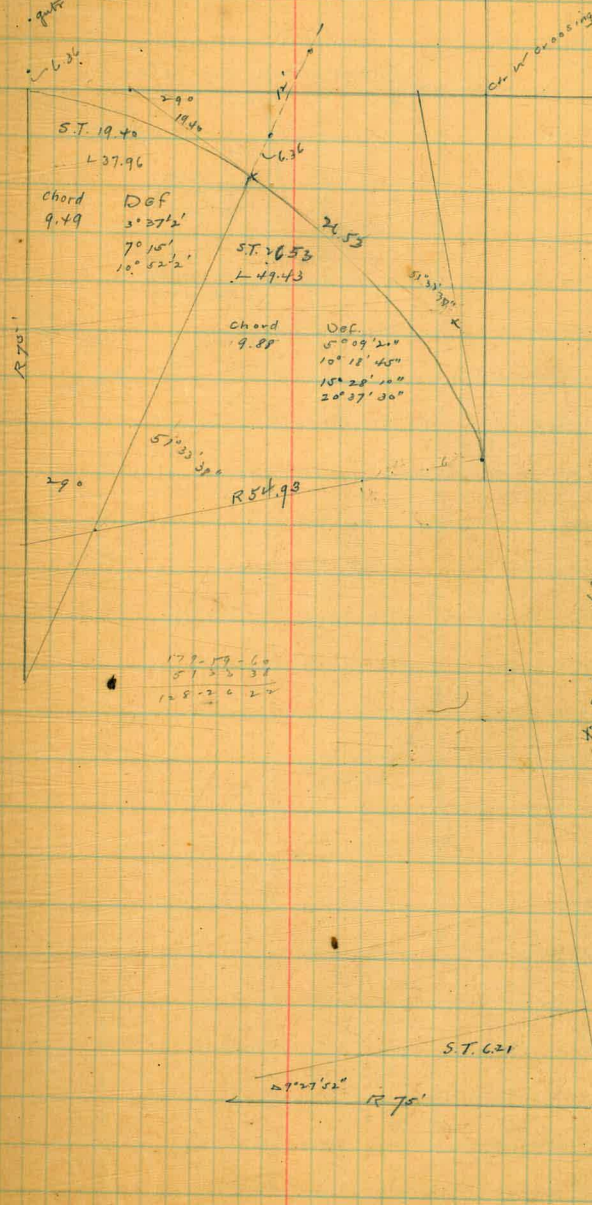


Outside Curve 3^d YB No. 2 E



Inside Curve 3^d YB No. 7 E



Outside Curve 2nd Y.B. N.W.

PO Inside Curve

Inside Curve 3° 45' N 90° W

56

ST 12 PC

58.29

T. Ch W. Track

ST 47.37
L 70.30

Chord
10.02

Def

5° 45' 15"
11° 30' 30"
17° 15' 45"
23° 01'
28° 45' 30"
34° 31' 30"

80° 33' 30"

R 50'

179.79-40
10 13 38
9 2 26 27

1000

ST 6.21

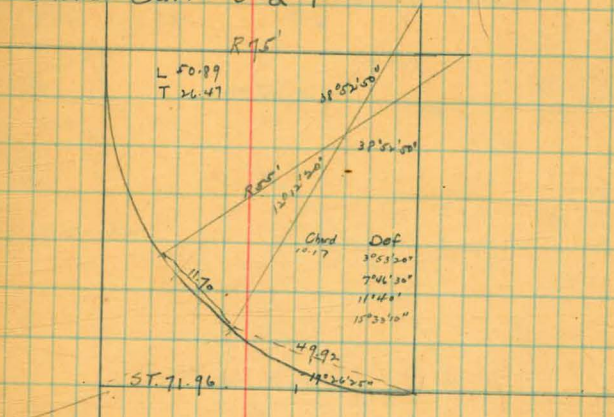
70° 27' 52"

48.2

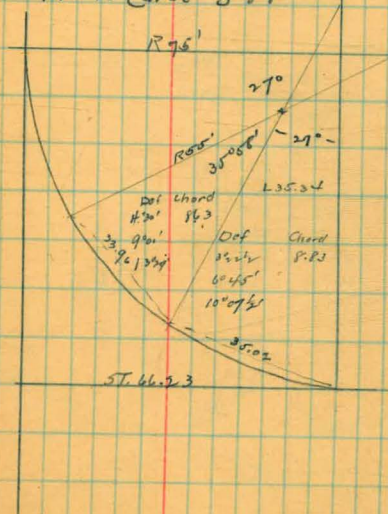
11.70

40 PC

Outside Curro 3^d & F



Inside Curve 3d8F



242.51 NW Laurel plg

SE 5th 252.43 Top N. 1/4

Grades for Track - 4th to 5th on Laurel Tracks N. Ctn

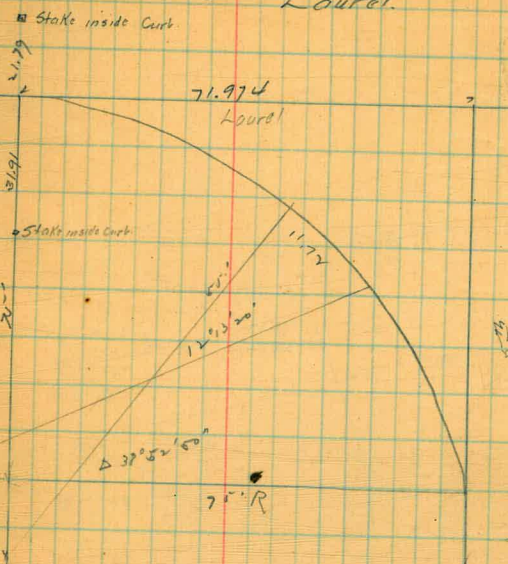
42.51	50.00	4th	49.00
7.96	16.3	1'	
50.47	42.51	18.9.1 PC	
	2.23		
	40.91		

42.51	6.41
7.96	44.07
50.47	5.19
	49.28

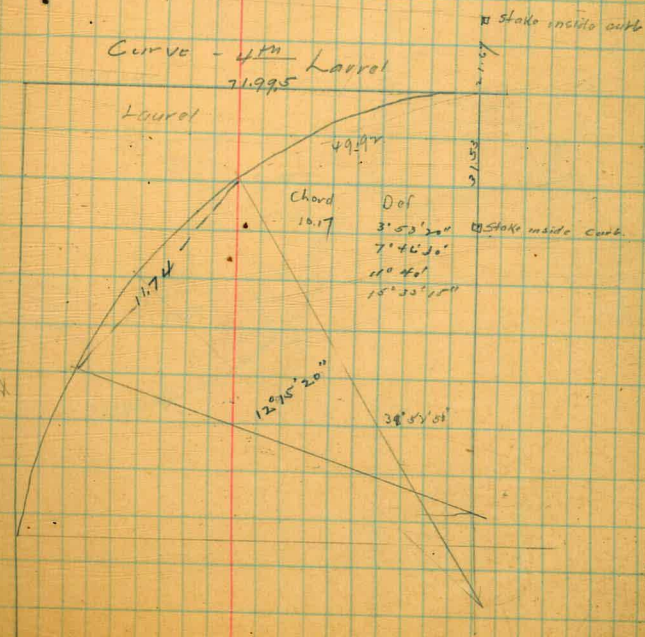
43.80	4th	43.00	5th
7.96	1'		
43.80	44.07		

Curve 5th Laurel.

58

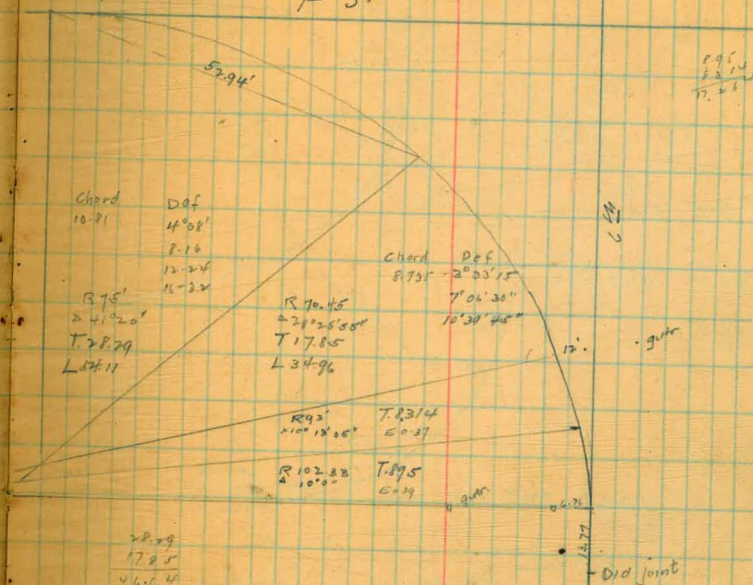


Curve - 4th Laurel

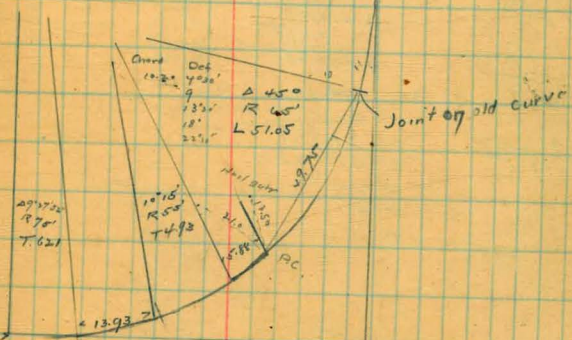


SW Curve 6th & F Sts Outside
F St

59

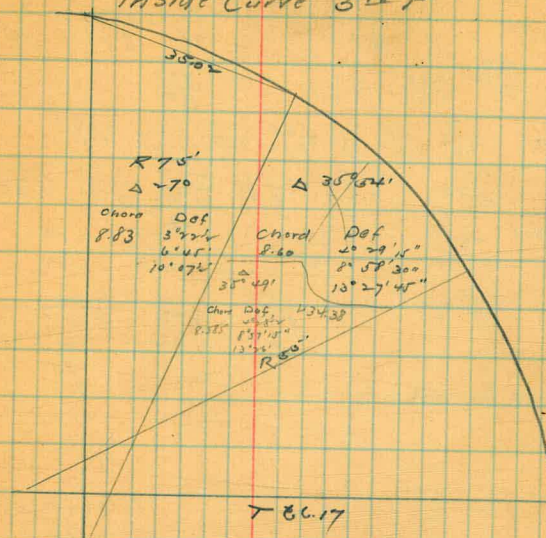


Inside

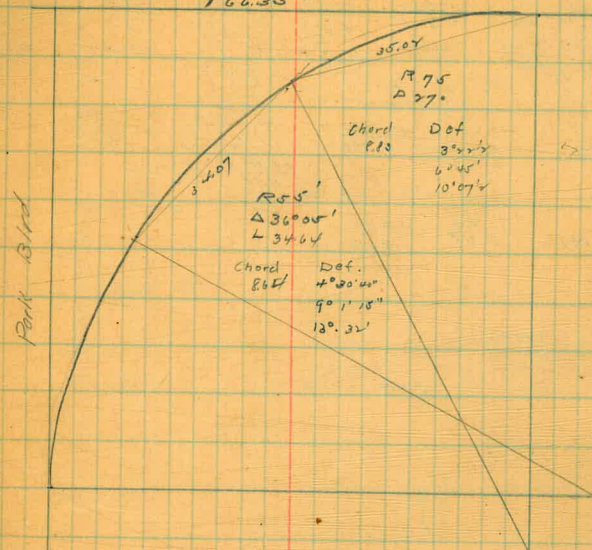


60

Inside Curve 5th F



Inside Curve: Park Blvd & Adams Ave
 Adams Ave
 T66.33



Flo SW pty rt 340.10

Park Blvd NE 54.57 Ptg Cl. Go. SW Spk 35.52

54.57	54.63	54.67	54.70	54.80	54.77	54.76
60.44	54.81	54.84	54.74	54.80	54.77	54.76
54.57	54.89	54.91	54.99	54.99	54.99	54.99
59.62	54.91	54.91	54.99	54.99	54.99	54.99
340.10	54.91	54.91	54.99	54.99	54.99	54.99
359	54.91	54.91	54.99	54.99	54.99	54.99
340.69	54.91	54.91	54.99	54.99	54.99	54.99
54.27	54.91	54.91	54.99	54.99	54.99	54.99
4.19	54.91	54.91	54.99	54.99	54.99	54.99
54.57	54.91	54.91	54.99	54.99	54.99	54.99

Grades for S. Track - Adams Ave
 Part Boulevard to Alabama St

Wt. Alabama 38.50 38.50

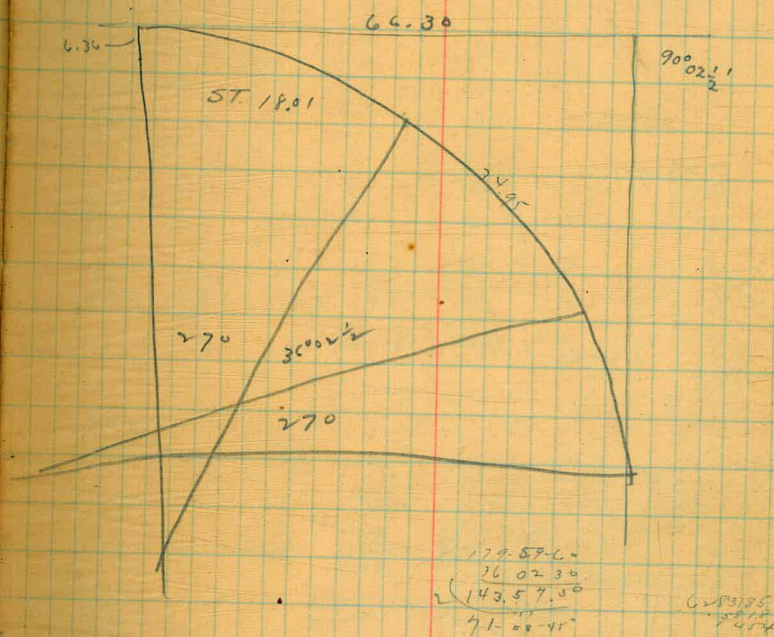
New 70' E Flo 38.50 38.50 38.50 - 70' E Florida
 Florida narrowed into 60'

39.00 39.00 39.00
 Florida St
 Break in grade of track
 put on old st. line to conform
 with track already in.

Georgia St
 54.00 54.00 54.00

Park Blvd
 54.50 54.50 54.50
 54.50 54.50 54.50

square feet of water inside curve
Curve 4th Fir



Univ Ave.

Note - Grade on W. line
figured. Straight thru. ^{Fl}_W

Essex

Robinson

Ayc

BCC 2.69

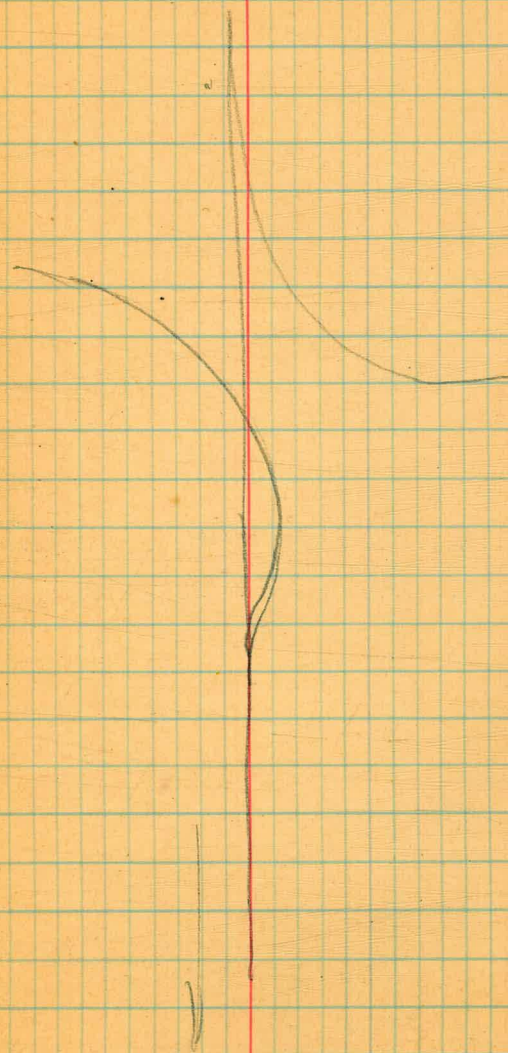
cc 285

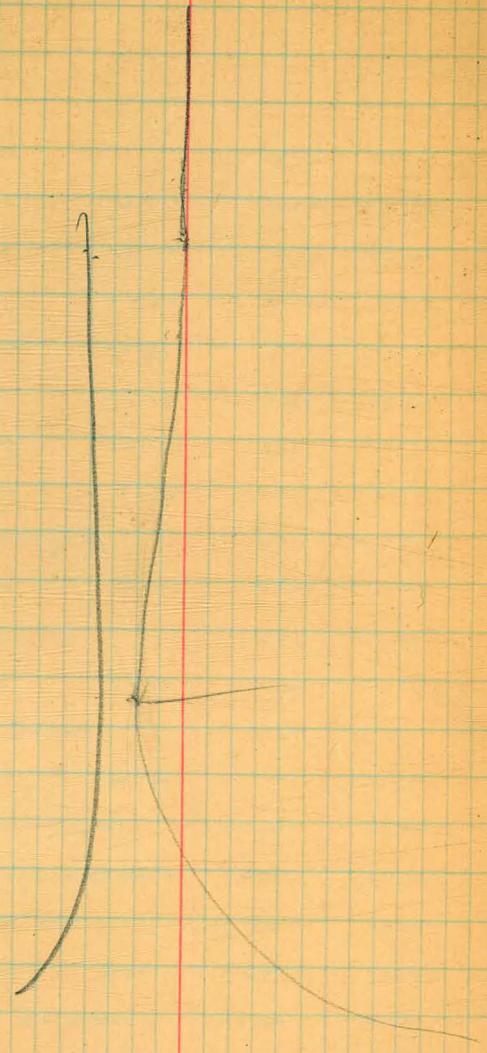
EC 3.00

31832 - Top Hyd S.E Univ Ariz & Univ Blvd.
300.98 SW Cypress - Nails pole.

66

[illegible]

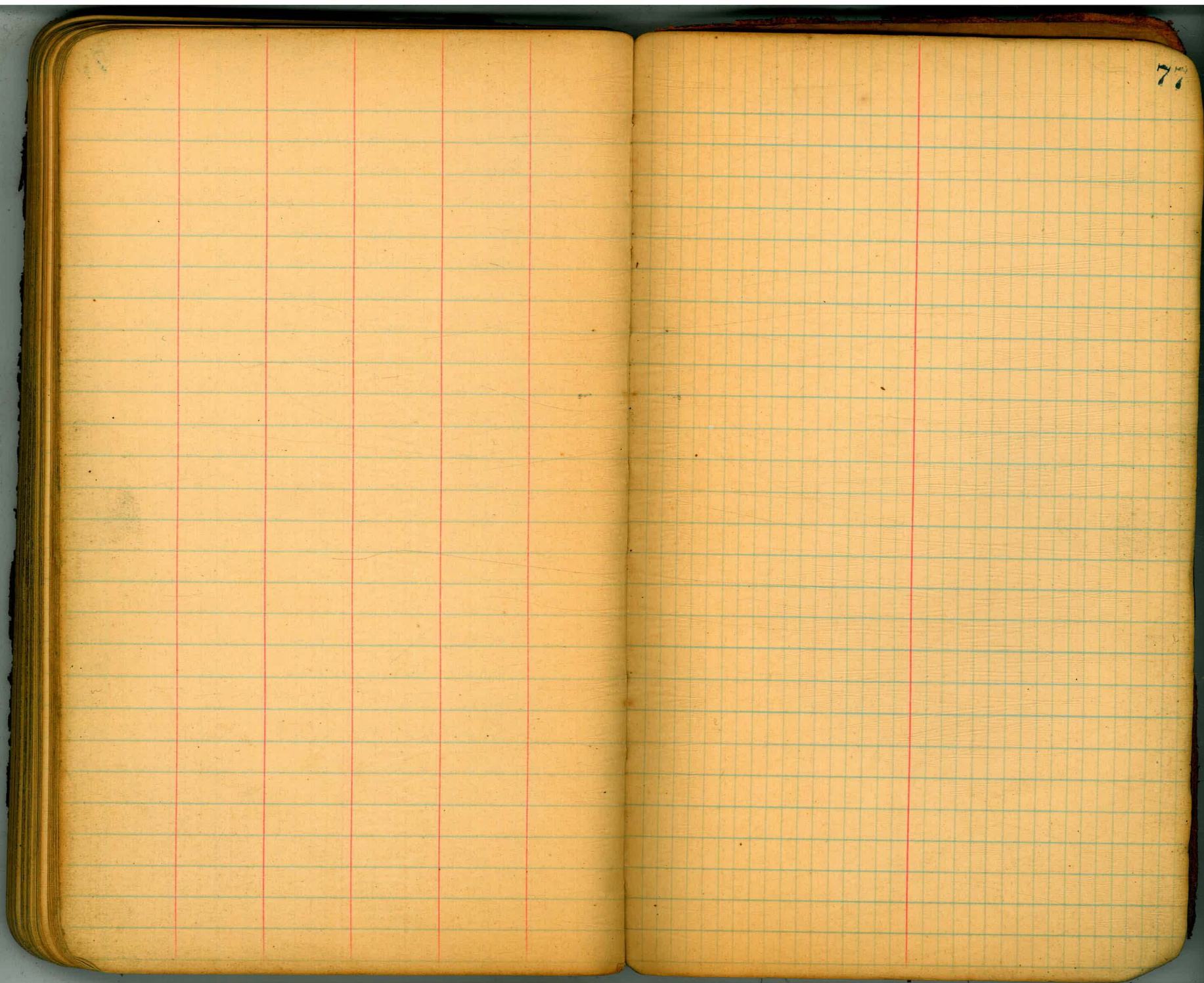




	+	N1.	-	Elev.
	4.62	50.67		46.05 B.M. NW Univ 2 Idols
T.P.	4.35	49.52	5.50	45.17
B.M. N.E. Wightman Spk. Pole			3.99	45.53
T.P.	4.24	49.21	5.65	43.87
B.M. N.E. Gunn Spk. pole			4.61	43.60
B.M. S.E. Landis-West on 7' P.C.T. 44.73			6.00	42.21
B.M. N.E. Landis E Brass Plg Rt.			3.26	41.47
T.P.	2.30	41.03	6.00	38.73
B.M. N.E. Dwight Spk. Pole			3.92	37.11
T.P.	3.48	39.05	5.46	35.57
B.M. N.E. Corps Spk. pole			3.79	35.26
T.P.	4.05	37.10	5.70	33.35
B.M. N.E. Myrtle Brass Plg Rt.			4.97	32.43
T.P.	3.43	34.53	6.30	31.10
B.M. Top Hydt S.E. Upr.	3.43	34.14	3.52	31.01
T.P.	4.70	34.56	4.58	29.96
T.P.	3.42	30.84	7.14	27.42
T.P.	5.81	30.20	6.45	24.39
T.P.	7.02	34.52	3.00	27.20
T.P.	6.35	38.65	2.22	32.30
B.M. Mon S.E. 300 Corps			2.07	31.58

	6.38	52.42		46.05, NW Univ 2 Idols
T.P.	3.055	49.365	6.12	46.31
T.P.	3.01	47.17	5.205	44.160
T.P.	2.17	45.19	4.15	43.02
T.P.	3.90	43.55	5.54	39.65
T.P.	3.00	42.00	3.75	39.80
	4.205	41.045	6.06	36.74
			4.42	36.625

37.28
4.62
32.91
4.42
30.49



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# of length	Inc	Elev A	Elev B
11.02	240.30'	60.57	60.41
11.03	240.10'	60.29	60.13
2.25	20.35'	66.10	65.99
5.65	18.25'	66.01	67.85
2.88	16.05	66.84	66.62
6.77	14.35'	70.62	70.46
5.87	12.45'	71.94	71.78
5.89	10.55'	73.08	72.92
	8.07'	75.95	

65.43	60.41	66.13	65.97	67.85
5.25	3.26	4.47	3.63	8.52
63.66 M	55.43	60.57		
8.85	12.52	7.08		
61.8' T.P.	67.95 M			
7.29	8.2			
69.60 M.	59.13 T.P.	65.29	66.13	67.85
4.22	12.82	6.66	5.82	9.86
65.38 T.P.	71.95 M.			9.70
10.99	6.91	71.78		75.35
7 6.37 M.	65.04 T.P.	5.93	73.08	73.08
	12.67		71.78	2.07
	71.71 M.		1.30	
49.15				
50.62				
49.5				
52.50				
51.01				
51.75				
51.35				
49.00				
49.25				
47.15				
48.25				
48.50				

300.50
49.58
300.00
50.43
299.49
49.95
98.99
51.35
98.48
51.00
97.95
51.75
97.43
51.85
96.92
48.05
96.44
49.25
95.93
47.15
95.46
49.25
94.97
48.50
94.49

Station	Lat pipe length	inclination	Hor. dist	Vert. dist	Elev A	Elev B
1		16°30'	11.5'		42.91	42.75
2		18°18'	11.48'	3.76	46.67	46.51
3		20°06'	11.36	4.13	50.80	50.64
4		21°54'	11.22	4.47	55.27	55.11
5		20°25'	11.24	4.19	59.46	59.30
6		18°37'	11.37	3.88	63.29	63.13
7		16°49'	11.48	3.97	66.76	66.60
8		15°01'	11.59	3.12	69.88	69.72
9		13°13'	11.67	2.75	72.63	72.47
10		11°45'	11.76	2.27	75.00	74.84
11		9°37'	11.83	2.01	77.01	76.85
12		7°49'	11.88	1.60	78.61	78.45
13		5°10'	11.51	0.40	79.01	
14		3°15'		0.21		

265.57 B.M. Mon New Ala. 2 Vmd. 246.81 TR. 115

[illegible]

ENGINEERING DEPARTMENT CITY OF SAN DIEGO. CALIFORNIA.

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, and Mathematical Instruments, San Francisco.

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

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
0		0		0		0	
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	6.12	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	31	22.07