

469

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

400

LEVEL

**F.B. 469**

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

*Getz*

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.....	2 $\frac{1}{2}$	21.....	49	41.....	95 $\frac{1}{2}$
2.....	4 $\frac{1}{2}$	22.....	51 $\frac{1}{2}$	42.....	98
3.....	7	23.....	53 $\frac{1}{2}$	43.....	100 $\frac{1}{2}$
4.....	9 $\frac{1}{2}$	24.....	56	44.....	102 $\frac{1}{2}$
5.....	11 $\frac{1}{2}$	25.....	58 $\frac{1}{2}$	45.....	105
6.....	14	26.....	60 $\frac{1}{2}$	46.....	107 $\frac{1}{2}$
7.....	16 $\frac{1}{2}$	27.....	63	47.....	109 $\frac{1}{2}$
8.....	18 $\frac{1}{2}$	28.....	65 $\frac{1}{2}$	48.....	112
9.....	21	29.....	67 $\frac{1}{2}$	49.....	114 $\frac{1}{2}$
10.....	23 $\frac{1}{2}$	30.....	70	50.....	116 $\frac{1}{2}$
11.....	25 $\frac{1}{2}$	31.....	72 $\frac{1}{2}$	51.....	119
12.....	28	32.....	74 $\frac{1}{2}$	52.....	121 $\frac{1}{2}$
13.....	30 $\frac{1}{2}$	33.....	77	53.....	123 $\frac{1}{2}$
14.....	32 $\frac{1}{2}$	34.....	79 $\frac{1}{2}$	54.....	126
15.....	35	35.....	81 $\frac{1}{2}$	55.....	128 $\frac{1}{2}$
16.....	37 $\frac{1}{2}$	36.....	84	56.....	130 $\frac{1}{2}$
17.....	39 $\frac{1}{2}$	37.....	86 $\frac{1}{2}$	57.....	133
18.....	42	38.....	88 $\frac{1}{2}$	58.....	135 $\frac{1}{2}$
19.....	44 $\frac{1}{2}$	39.....	91	59.....	137 $\frac{1}{2}$
20.....	46 $\frac{1}{2}$	40.....	93 $\frac{1}{2}$	60.....	140

TABLE MICROFILMED  
CORRECTION 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

Crocker Quality

LEVEL BOOK

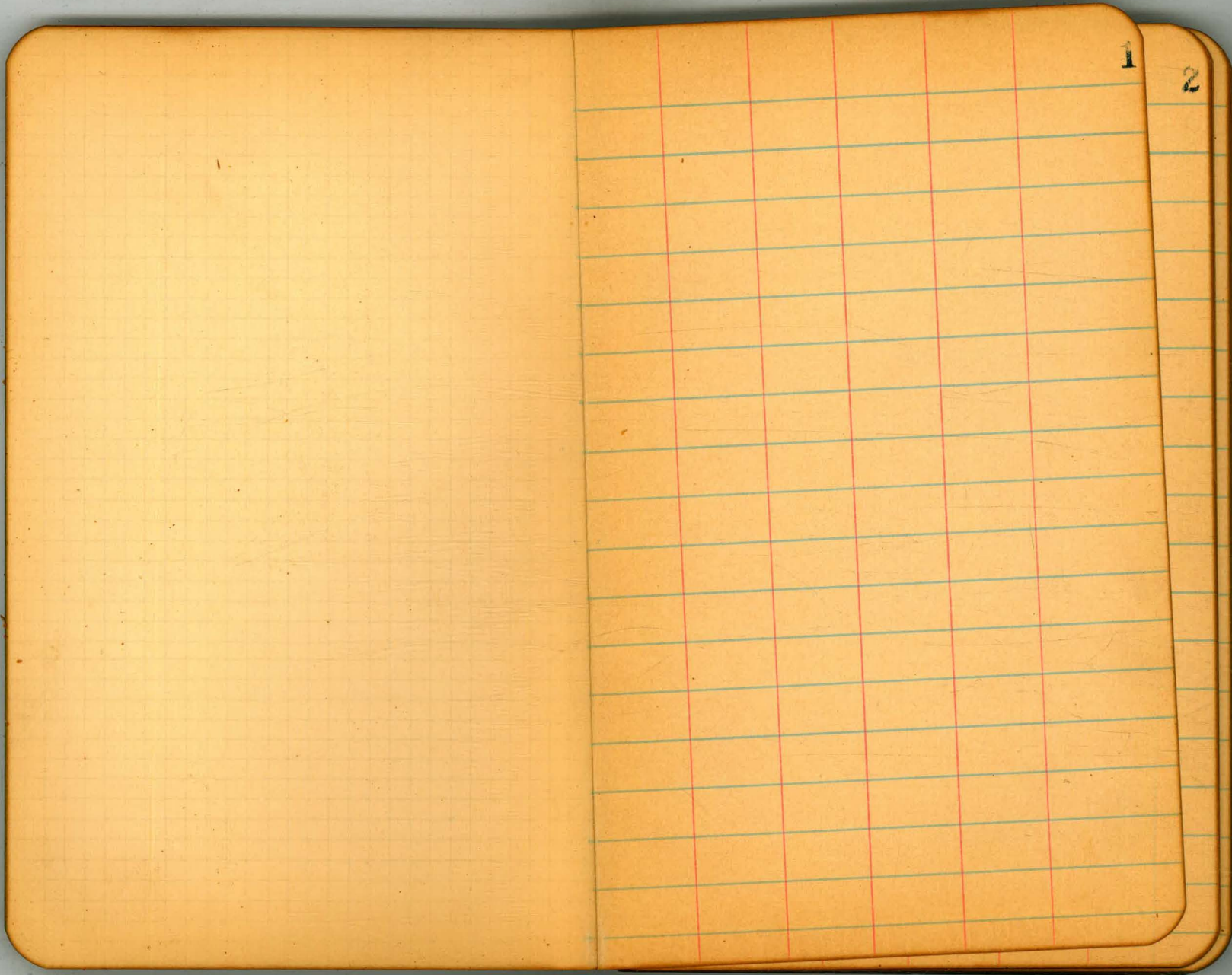
No. 400



MANUFACTURED BY

A.S. Crocker & Co.

SAN FRANCISCO  
and  
SACRAMENTO



1-section First St Robinson to  
University First St 70' wide

B.M. brass hlg Robinson & First

269.96

Direct to  
Stam  
Signal

B.M. 7.01 276.97

N.L. Robinson

F 6.0 271.0

erb 5.7 271.3

"A 6.6 270.4

M 7.5 269.5

"A 7.9 269.1

erb 8.0 269.0

N 7.7 269.3

0+25 N

N 7.2 269.8

erb 7.1 269.9

"A 6.9 270.1

M 6.5 270.5

"A 5.6 271.4

erb 4.6 272.4

E 4.5 272.5

0+50

E 4.3 272.7

erb 4.3 272.7

"A 5.0 272.0

M 5.3 271.7

"A 6.1 270.9

erb 6.7 270.3

N 6.9 270.1

0+75

N 6.8 270.2

erb 6.6 270.4

"A 6.2 270.8

M 5.8 271.2

"A 4.9 272.1

erb 4.8 272.2

E 4.5 272.5

2

276.97

1+0

F	4.4	272.6
erb	4.8	272.2
"A	5.2	271.8
M	5.8	271.2
"A	5.8	271.2
erb	6.3	270.7
W	7.0	270.0

1+25

W	7.5	269.5
erb	6.8	270.2
"A	6.1	270.9
M	6.5	270.5
"A	5.7	271.3
erb	5.7	271.3
F	5.1	271.9

1+50

3

F	5.4	271.6
erb	6.1	270.9
"A	6.7	270.3
M	6.9	270.1
"A	7.4	269.6
erb	7.9	269.1
W	7.2	268.8

1+75

W	8.9	268.1
erb	8.9	268.1
"A	8.9	268.2
M	8.2	268.8
"A	7.6	269.4
erb	7.1	269.9
E	6.2	270.8

276.97

2+0

E	6.5	270.5
crk	6.7	270.3
"A	7.1	269.9
M	8.3	268.7
"A	7.3	267.7
crk	8.4	268.6
W	8.5	268.5

2+25

W	10.4	266.6
crk	9.8	267.2
"A	9.1	267.9
M	8.7	268.3
"A	7.9	268.1
crk	7.2	269.8
E	7.2	269.8

2+50

4

E	6.1	270.9
crk	6.3	270.7
"A	6.8	270.2
M	7.8	269.2
"A	8.4	268.6
crk	8.4	268.6
W	9.1	267.9

2+75

W	8.6	268.4
crk	8.4	268.6
"A	7.7	269.3
M	6.8	270.2
"A	6.8	270.2
crk	5.8	271.2
E	4.8	272.2

276.97

3+0

F	4.4	272.6
col	5.7	271.3
"A	6.0	271.0
M	6.8	270.2
"A	7.4	269.6
col	7.7	269.3
W	8.1	268.9

3+25

W	7.9	269.1
col	7.6	269.4
"A	7.1	269.9
M	6.2	270.8
"A	5.7	271.3
col	4.9	272.1
F	4.0	273.0

5

3+50

F	3.5	273.5
col	4.6	272.4
"A	5.2	271.8
M	5.3	271.7
"A	5.8	271.2
col	6.7	270.3
W	7.0	270.0

3+75

W	6.1	270.9
col	5.5	271.5
"A	5.3	271.7
M	4.6	272.9
"A	4.4	272.6
col	3.7	273.3
F	3.2	273.8

276.97

4+0

F 3.0 274.0

sat 3.4 273.6

su 3.9 273.1

POSTED

M 3.9 273.1

Tu 4.2 272.8

wed 4.6 272.4

Th 5.0 272.0

4+16 = S.L. University Ave

F 5.0 272.0

sat 4.7 272.3

su 4.0 273.0

M 3.9 273.1

POSTED

Tu 3.5 273.5

wed 2.8 274.2

Th 2.8 274.2





7

intersecting Clay Ave m.l. 33<sup>rd</sup> to 6<sup>th</sup> Duane St  
E.L. 33<sup>rd</sup> Clay - 80' wide 33<sup>rd</sup> 60' wide 109 Shaw  
B. H. base of m. sm. Clay & 32<sup>nd</sup> 72.06 Dupont

B.M.	599	24.05	
			m.l. 33 <sup>rd</sup> 51
S		4.4	79.7
crk		6.3	
1/4	POSTED	6.9	
M		7.5	
1/4		8.3	
crk		9.4	
N		11.2	72.9
			W. corner
N		12.8	71.3
crk		10.6	73.5
1/4		9.1	75.0
M		8.5	75.6
1/4		7.7	76.4
crk		6.5	77.6
S		5.6	78.5

S		6.2	77.9
crk		7.2	76.9
1/4		8.5	75.6
M	POSTED	9.8	74.3
1/4		10.9	73.2
crk		12.0	72.1
N		13.7	70.4
T.P.	7.34 78.95	12.44	71.61
			center
N		9.6	79.4
crk		7.9	71.1
1/4		7.0	72.0
M		5.8	73.2
1/4		4.6	74.4
crk		3.3	75.7
S		1.8	77.2

78.95

E 14

S	3.0	76.0
cut	4.6	74.4
"4	5.8	73.2
M	7.0	72.0
"4	8.2	71.8
cut	8.9	70.1
N	10.3	68.7

E cut

N	10.3	68.7
cut	9.9	69.1
"4	9.2	69.8
M	7.9	71.1
"4	6.6	72.4
cut	5.0	74.0
S	3.8	75.2

E.L. 33<sup>rd</sup>

9

S	4.0	75.0
cut	6.8	72.2
"4	8.9	70.6
M	9.6	69.4
"4	10.8	68.2
cut	11.5	67.5
N	11.8	67.2

POSTED





Levels on 3<sup>rd</sup> St B to J showing present  
elevation of curb & giving est grade.

B.M. in corner cross rdg 3<sup>rd</sup> & C St 41.96

4 3/4  
109  
Dunkle  
Shaw  
Deyiel

47.24

0+75

12

B.M. 5.28 47.24

5.4 "B" St.

W curb elev 2.81 44.43

POSTED

" " est grade 44.50

E " elev 2.77 44.47

" " est grade 44.50

0+25 S.

E curb elev 2.93 44.31

" " est grade 44.4

W " elev 3.04 44.20

" " est grade 44.3

0+50

W curb elev 3.22 44.02

" " elev about drop in curv. 3.40 43.84

" " est grade 44.1

E " elev 3.02 44.22

" " est grade 44.25

E curb elev 3.22 44.12

" " est grade 44.13

W " elev 3.69 43.60

" " est grade 43.9

1+0

W curb elev 3.74 43.50

" " " about raise in curv 3.60 43.64

" " est grade 43.7

E curb elev 3.25 43.99

" " est G 43.5

1+25

E curb elev 3.42 43.82

" " est G 43.55

W " elev 3.80 43.44

" " est G 43.5

See P 30 for location of  
points where curb is not in

47.24

1+50.5

W ckh elev 3.98 43.26

" " est G 43.3

E " elev 3.56 43.68

" " est G 43.7

1+75

E ckh elev 3.68 43.56

E " est G 43.6

W " elev 4.23 43.01

" " est G 43.0

2+0

W ckh elev 4.40 42.84

" " est G 42.8

E " elev 3.81 43.43

" " est G 43.5

47.24

2+25

E ckh elev 4.00 43.24

" " est G 43.38

W " elev 4.62 42.62

" " est G 42.6

2+50

W ckh elev 4.85 42.39

" " est G 42.4

E " elev 4.13 43.11

" " est G 43.26

2+75

E ckh elev 4.20 43.04

" " est G 43.12

W " elev 5.03 42.21

" " est G 42.2

13

47.29

3+0 = N.L. C 5T

N. Cpk elev	5.25	41.99
" " est G		42.0
E " elev	4.28	42.96
" " est G		43.0

3.1. " C 5T

E Cpk elev	4.27	42.95
" " est G		43.0
N " elev	5.26	41.98
" " est G		42.0

0+25' S

N Cpk elev	5.28	41.96
" " est G		41.96
E " elev	4.33	42.91
" " est G		42.96

47.29

0+50

14

N Cpk elev	4.33	42.91
" " est G		42.91
W " elev	5.33	41.91
" " est G		41.91

0+75

W " elev	5.37	41.87
" " est G		41.86
E " elev	4.36	42.88
" " est G		42.88

1+0

E Cpk elev	4.36	42.88
" " est G		42.84
W " elev	5.41	41.83
" " est G		41.82



47.29

1+25

W Ck elev	5.47	41.77
" " est G		41.77
E " elev	4.40	42.84
" " est G		42.80

1+50

E Ck elev	4.40	42.84
" " est G		42.76
W " elev	5.51	41.73
" " est G		41.72

1+75

W Ck elev	5.54	41.70
" " est G		41.68
E " elev	4.48	42.76
" " est G		42.71

47.29

2+0

E Ck elev	4.48	42.76
" " est G		42.67
W " elev	5.63	41.61
" " est G		41.63

2+25

W Ck elev	5.69	41.55
" " est G		41.59
E " elev	4.52	42.72
" " est G		42.63

2+50

E Ck elev	4.65	42.59
" " est G		42.59
W " elev	5.78	41.46
" " est G		41.54

15

POSTED

4729

2+70<sup>6</sup> = N.L. "D" St on W. side

W curb elev	5.80	41.94
" " est G		41.5
F " elev	4.60	42.64
" " est G		42.55

3+0 = N.L. "D" St on E side

E curb elev	4.68	42.56
" " est G		42.50
T.P.	2.75	42.20
	7.79	39.45

S.L. "D" St on E. side

F curb elev	1.24	40.96
" " est G		41.0

S.L. "D" St on W. side &amp; 0+6 on E. side

F curb elev	1.34	40.86
" " est G		40.89
W curb elev	2.81	39.39
" " est G		39.50

4720

0+25' on W &amp; 0+31 on E

W curb elev	3.20	39.00
" " est G		39.04
E " elev	4.7	40.50
" " est G		40.43

0+50 on W &amp; 0+56 on E

E curb elev	2.09	40.11
" " est G		39.97
W " elev	3.65	38.55
" " est G		38.57

0+75 on W &amp; 0+80 on E = N.L. W. Thierby

W curb elev	4.15	38.05
" " est G		38.11
E " elev	2.37	39.53
" " est G		39.53

1+0 on W

W curb elev	4.66	37.54
" " est G		37.65

16

42.20

1+35<sup>S</sup> on W & 1+36 on E = 3 L. W. Thierby

E. curb elev	3.84	38.36
" " est G		38.50
W. curb elev	5.34	36.86
" " elev abrupt drop in curb	6.24	35.96
" " est G		37.0

1+50 on W. side &amp; 1+56 on E side

W. curb elev	6.54	35.66
" " est Grade		36.55
E " elev	4.98	37.72
" " est G		37.86

1+85<sup>S</sup> on W. side & 1+81 on E side

E curb elev	5.35	36.85
" " est G		37.05
W " elev	7.32	34.88
" " elev abrupt raise in curb	6.77	35.43
" " est G		35.50

42.20

17

2+00 on W &amp; 2+06 on E

W. curb elev	7.23	34.97
" " est G		35.05
E " elev	6.10	36.10
" " est G		36.25

2+25 on W & 2+26<sup>A</sup> on E = N. L. Alley on E

E curb elev	6.71	35.49
" " est G		35.59
W " elev	8.02	34.18
" " est G		34.30

2+41<sup>A</sup> on E = S. L. Alley on E

E " elev	7.74	35.06
" " est G		35.11

42.20

2+50 07 W 8 2+56 07 E

F CPH elev	7.62	34.58
" " est G		34.64
W " elev	2.78	33.42
" " est G		33.55

3+85 07 W 8 2+91 07 E - N.L. "E" ST

W CPH elev	9.74	32.46
" " est G		32.50
E " elev	2.70	33.50
" " est Grade		33.50

T.P	0.42	32.78	9.84	32.36
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5.41 "E" ST

E CPH elev	0.42	32.36
" " est G		32.50
W " elev	0.44	31.34
" " est G		31.50

32.78

0+25 S

W CPH elev	1.98	30.80
" " est G		30.92
E " elev	1.02	31.76
" " est G		31.92

0+50

E CPH elev	1.52	31.26
" " est G		31.34
W " elev	2.49	30.30
" " est G		30.34

POSTED

0+75

W CPH elev	3.05	29.73
" " est G		29.75
E " elev	2.13	30.65
" " est G		30.75

32.78

1+0

F orb elev	2.71	30.07
" " est G		30.17
W " elev	3.63	29.15
" " est G		29.17

1+25

W orb elev	4.25	28.53
" " est G		28.59
F " elev	3.28	29.50
" " est G		29.59

1+50

F orb elev	3.87	28.91
" " est G		29.01
W " elev	4.83	27.95
" " est G		28.01

32.78

1+75

W orb elev	5.33	27.45
" " est G		27.43
F " elev	4.45	28.33
" " est G		28.43

2+0

F orb elev	5.01	27.77
" " est G		27.84
W " elev	5.85	26.93
" " est G		26.84

2+25

W orb elev	6.38	26.90
" " est G		26.26
F " elev	5.63	27.15
" " est G		27.26

19

32.78

2450

E curb elev	6.19	26.59
" " est G		26.68
W " elev	7.00	25.78
" " est G		25.68

2775

W curb elev	7.69	25.10
" " est G		25.09
E " elev	6.76	26.02
" " est G		26.09

3+0 = N.L. "F" ST

E curb elev	7.33	25.75
" " est G		25.50
W " elev	8.16	24.62
" " est G		24.50

J.P.	2.91	26.31	9.38	23.40
------	------	-------	------	-------

 Note: 3" plank curb on E. side from "F" ST  
 for 150' S 26.31 " 5+  
 S.L. F 5+

20

W curb elev	2.90	23.41
" " est G		23.50
E " elev	1.90	24.91
" " est G		24.50

0+25 S

E curb elev	2.37	23.94
" " est G		24.08
W " elev	3.22	23.09
" " est G		23.08

0+50

W curb elev	3.59	22.72
" " est G		22.67
E " elev	2.86	23.95
" " est G		23.67

26.31

0+75

E CR6 elev	3.21	23.10
" " est, G		23.25
W " elev	4.17	22.14
" " est, G		22.25

1+0

W CR6 elev	4.55	21.76
" " est, G		21.83
E #1 elev	3.60	22.71
" " est, G		22.83

1+25

E CR6 elev	4.11	22.20
" " est, G		22.41
W " elev	4.98	21.33
" " est, G		21.41

26.31

1+50

W CR6 elev	5.35	20.96
" " est, G		21.00
E " elev	4.59	21.77
" " est, G		22.00

1+75

F CR6 elev	4.80	21.51
" " est, G		21.58
W " elev	5.81	20.50
" " est, G		20.58

2+0

W CR6 elev	6.26	20.05
" " est, G		20.16
E " elev	5.21	21.10
" " est, G		21.16

21

26-31

2+25

E. Ck elev	5.61	20.70
" " est. G		20.75
W " elev	6.63	19.68
" " est. G		19.75

2+50

W Ck elev	6.98	19.33
" " est. G		19.33
E " elev	6.05	20.26
" " est. G		20.33

2+75

E Ck elev	6.96	19.85
" " est. G		19.91
W " elev	7.40	18.91
" " est. G		18.91

22

3+0 = N. L. G. st

W Ck elev	7.82	18.49
" " est. G		18.50
E " elev	6.85	19.96
" " est. G		19.50

T.P. 2.75 20.23 8.73 17.48

S. L. G. st

W Ck elev	2.75	17.98
" " est. G		17.50
E " elev	1.80	18.93
" " est. G		18.50

0+25 S

E Ck elev	2.33	17.90
E " est. G		18.00
W " elev	3.26	16.97
" " est. G		17.04

POSTED



Note - 3" plank curb on E. side Sta 0+50 to Sta 1+0 from G St

20.73

0+50

W curb elev	3.68	16.55
" " est. G		16.58
E " elev	2.82	17.41
" " est. G		17.50

0+75

E curb elev	3.40	16.83
" " est. G		17.00
W " elev	4.15	16.08
" " est. G		16.12

1+0

W curb elev	4.58	15.65
" " est. G		15.66
E " elev	3.88	16.35
" " est. G		16.50

20.73

1+25

E curb elev	4.35	15.88
" " est. G		16.00
W " elev		
" " est. G	5.09	15.14

1+50

W curb elev	5.49	14.74
" " est. G		14.75
E " elev	4.80	15.43
" " est. G		15.50

1+75

E curb elev	5.30	14.93
" " est. G		15.00
W " elev	6.0	14.93
" " est. G		14.29

28

20.23

2+0

W Ck elev	6.97	13.74
" " est G		13.83
E " elev	5.80	14.43
" " est G		14.50

2+25

E Ck elev	6.30	13.73
" " est. G		14.00
W " elev	6.94	13.29
" " est. G		13.37

2+50

W Ck elev	7.33	12.90
" " est. G		12.92
E " elev	6.77	13.46
" " est G		13.50

24

2+75

E Ck elev	7.27	12.86
" " est G		13.00
W " elev	7.82	12.41
" " est G		12.46

3+0 = N. L. H " ST

W Ck elev	8.27	11.96		
" " est G		12.00		
E " elev	7.74	12.49		
" " est. G		12.50		
T. P	2.57	14.03	8.77	11.46

5 L H " ST

E Ck elev	2.10	11.93
" " est G		12.00
W " elev	2.56	11.47
" " est G		11.50

14.03

0+25.3

W	crk	elev	2.93	11.10
"	"	est G		11.11
E	"	elev	2.50	11.53
"	"	est G		11.63

0+50

E	crk	elev	2.82	11.21
"	"	est G		11.25
W	"	elev	3.30	10.73
"	"	est G		10.76

0+75

W	crk	elev	3.73	10.30
"	"	est G		10.37
E	"	elev	3.23	10.80
"	"	est G		10.88

14.03

140

25

E	crk	elev	3.59	10.44
"	"	est G		10.50
W	crk	elev	4.09	9.94
"	"	est G		10.00

1+25

W	crk	elev	4.50	9.53
"	"	est G		9.62
E	"	elev	4.0	10.03
"	"	est G		10.13

1+50

E	crk	elev	4.38	9.65
"	"	est G		9.75
W	"	elev	4.82	9.21
"	"	est G		9.25

14.03

1+75

W	crk	elev	5.21	8.82
"	"	est. G		8.88
E	"	elev.	4.74	9.29
"	"	est. G		9.37

2+0

E	crk	elev	5.15	8.88
"	"	est. G		9.00
W	"	elev	5.58	8.45
"	"	est. G		8.50

2+25

W	crk	elev	5.96	8.07
"	"	est. G		8.12
E	"	elev	Top of curb cut off for driveway	
"	"	est. G		8.62

14.03

2+50

26

E	crk	elev	5.82	8.21
"	"	est. G		8.25
W	"	elev	6.35	7.68
W	"	est. G		7.75

2+75

W	crk	elev	6.68	7.35
"	"	est. G		7.37
E	"	elev	6.16	7.87
"	"	est. G		POSTED

3+02 N. 21 "I" St.

E	crk	elev	6.56	7.47
"	"	est. G		7.50
W	"	elev	7.09	6.94
"	"	est. G		7.00
T.P.			1.48	7.95
			7.56	6.47

7.75

S.L. "I" ST

W. CRK elev 1.48 6.97

" " est.G 6.50

E " elev 1.53 6.97

" " est.G 6.50

0+25 S-

E. CRK elev 1.86 6.09

" " est.G 6.12

W. " elev 1.77 6.08

" " est.G 6.12

0+50

W. CRK elev 2.25 5.70

" " est.G 5.75

E " elev 2.22 5.73

" " est.G 5.75

7.95

0+75

E CRK elev 2.60 5.35

" " est.G 5.37

W. CRK elev 2.64 5.31

" " est.G 5.37

1+0

W. CRK elev 3.0 4.95

" " est.G 5.00

E " elev 2.98 4.97

" " est.G 5.00

1+25

E. CRK elev 3.37 4.58

" " est.G 4.62

W. " elev 3.40 4.55

" " est.G 4.62

27

7.95

1+50

W. CRK elev	3.77	4.18
" " est.G		4.25
E " elev	3.73	4.22
" " est.G		4.25

1+75

E. CRK elev	4.14	3.81
" " est.G		3.87
W. " elev	4.16	3.79
" " est.G		3.87

2+0

W. CRK elev	4.50	3.45
" " est.G		3.50
E. CRK elev	4.52	3.43
" " est.G		3.50

7.95

2+25

E. CRK elev	4.86	3.09
" " est.G		3.12
W. " elev	4.88	3.07
" " est.G		3.12

2+50

W. CRK elev	5.20	2.75
" " est.G		2.75
E. CRK elev	5.23	2.72
" " est.G		2.75

2+75

E. CRK elev	5.60	2.35
" " est.G		2.37
W. " elev	5.62	2.33
" " est.G		2.37

28

7.95

340 = N.L. "J" 5+

N. Cpk	elev	5.95	2.00	
"	"	est. G	2.00	
E	"	elev	5.89	2.06
"	"	est. G,	2.00	

See Page 30

POSTED

29

Location of Points where curb is not constructed

30

"J" ST

"F" ST

"I" ST

"E" ST

1164 1/2" curb

POSTED

"H" ST

"D" ST

3' bank curb

50' 1.50'

"G" ST

"C" ST

1164 1/2" curb  
POSTED TREE  
POSTED TREE

1150'

3' bank curb

"F" ST

"B" ST



31



262.56

## x-section B

0+0 3.1. Pitkinson	1.0	261.6
0+8	4.21	258.4
0+11	13.9	248.7
0+20	13.9	248.7
0+40	15.1	247.5
0+50	18.7	243.7
0+60	24.3	238.3

## x-sect C

0+0 3.1. Pitkinson	3.2	259.4
0+13	8.0	254.6
0+15	15.7	246.9
0+32	14.6	248.0
0+40	18.9	243.7
0+50	22.7	239.9
0+60	26.1	236.5

262.56

## x-sec. D

0+0 3.1. Pitkinson	5.9	256.7
0+12	9.7	252.9
0+15	17.5	240.7
0+33	46.9	245.7
0+40	20.9	241.7
0+50	24.2	238.4
0+60	26.3	236.3

## x-sec E

0+0 3.1. Pitkinson	10.3	252.3
0+9	13.2	249.4
0+13	19.2	243.4
0+29	12.9	243.7
0+40	23.3	239.3
0+50	25.4	237.2
0+60	26.6	236.0

33

262.56

1-300 F

0+0 = S.W. Pk	10.3	252.3
0+8	13.7	248.9
0+13	19.5	243.1
0+25	20.1	242.5
0+40	23.8	238.8
0+50	26.0	236.6
0+66 <sup>6</sup>	28.0	234.6

1-300 G

0+0 = W.L. 9 <sup>th</sup>	10.3	252.3
0+14	15.0	247.6
0+19	20.7	241.9
0+37	21.5	241.1
0+45	22.0	240.6
0+60	28.0	234.6
0+74 <sup>5</sup>	31.1	231.5

262.56

1-300 X

0+0 = S.W. Pk	21.5	241.1
0+10	21.9	240.7
0+20	21.9	240.7
0+30	23.1	239.5
0+40	27.1	235.5
0+52 <sup>9</sup>	28.0	234.6

1-300 H

0+0 = S.W. Pk	31.1	231.5
0+10	30.2	232.4
0+20	29.9	232.7
0+25	28.9	233.7
0+36	25.2	237.4
0+47	24.1	238.5
0+55	28.0	234.6
0+62 <sup>5</sup>	28.0	234.6

34

262.5C

x-500 I

0+0-3.1. Pab. n. 500	26.0	236.6	
0+10	26.2	236.4	
0+20	29.2	233.4	
0+30	28.3	234.3	
0+37	25.2	237.4	
0+45	25.1	237.5	
0+52	27.8	234.8	
0+60	26.5	236.1	✓

x-500 J

0+0-3.1. Pab.	23.3	239.3	
0+10.	25.1	237.5	
0+20	26.3	236.3	
0+30.	26.2	236.4	
0+35.7	22.3	240.3	
0+50	24.2	238.4	
0+60	23.8	238.8	✓

x-500 K

35

0+0-3.1. Pab.	17.3	245.3	
0+10	20.0	242.6	
0+20	24.1	238.5	
0+32	21.6	241.0	
0+48	21.5	241.1	
0+53	17.3	245.3	
0+60	15.3	247.3	✓

POSTED

x-500 L

0+0-3.1. Pab. 50	25.1	237.5	
0+10	26.0	236.6	
0+20	25.8	236.8	
0+30	26.0	236.6	
0+40	24.1	238.5	
0+57.9	19.7	232.9	

202.56

X-SEC M.

26

0+0 = W.L. 9 <sup>th</sup> 5 <sup>+</sup>	22.9	239.7
0+10	24.3	238.3
0+20	24.7	237.9
0+30	24.2	238.4
0+40	20.7	241.9
0+50	19.3	243.3
0+66 <sup>3</sup>	12.9	249.7

1/2 sec. Emerald St Broadway to Lambert St  
 Emerald 80' wide 20' sidewalks  
 Bell house by cor. Man. & S. Diamond Street 85.28

6/27 Drunk  
 10/9 Spurr  
 Reysch

0+50

B.M.	2.33	88.11		N		5.7	78.0
T.P.	7.01	83.94	1118	76.93	Crk	6.7	77.2
		E.L. Broadway			"	7.0	76.9
"		6.7	76.2	N		7.4	76.5
Crk		7.4	76.5	"		7.5	76.4
"		7.6	76.3	Crk		8.1	75.8
"		8.0	75.9	S		8.3	75.6
"		8.0	75.9				
Crk		8.3	75.6	S		8.1	75.8
S		8.7	75.0	Crk		7.9	76.0
		0+25 W					
S		8.8	75.1	"		7.0	76.9
Crk		8.6	75.3	N		7.2	76.7
"		8.0	75.9	"		6.2	77.7
N		7.5	76.4	Crk		6.3	77.6
"		7.3	76.6	N		5.5	78.4
Crk		7.2	76.7				
N		6.3	77.6				

POSTED

0+75

83.99

140

N	5.3	78.6
erb	6.0	77.9
"	5.9	78.0
M	7.0	76.9
"	6.5	76.1
erb	7.2	76.7
S	7.9	76.0

1425

S	8.0	75.9
erb	7.1	76.8
"	6.7	77.2
M	6.6	77.3
"	5.7	78.2
erb	5.6	78.3
N	5.1	78.8

1450

38

N	4.9	79.0
erb	5.5	78.4
"	5.4	78.5
M	6.3	77.6
"	6.4	77.5
erb	7.0	76.9
S	7.5	76.4

1475

S	7.3	76.6
erb	6.7	77.2
"	5.9	78.0
M	5.7	78.2
"	5.0	78.9
erb	5.2	78.7
N	4.5	79.4



83.94

2+0

N	3.9	80.0
crk	4.6	79.3
"A	4.8	79.1
M	5.6	78.3
"A	5.7	78.2
crk	6.4	77.7
S	6.9	77.0

2+25

S	6.4	77.5
crk	5.9	78.0
"A	5.2	78.7
M	5.2	78.7
"A	4.3	79.6
crk	4.2	79.7
N	3.7	80.2

2+50

89

N	3.3	80.6
crk	3.8	80.1
"A	4.0	79.9
M	4.9	79.0
"A	4.8	79.1
crk	5.5	78.4
S	5.9	78.0

2+75

S	5.7	78.2
crk	4.9	79.0
"A	4.5	79.4
M	4.5	79.4
"A	3.6	80.3
crk	3.5	80.4
N	2.9	81.0

83.74

3+0

N	2.7	81.2
crk	3.3	80.9
"A	3.5	80.6
M	4.3	79.6
"A	4.4	79.5
crk	5.1	78.8
S	5.4	78.5

3+25

S	5.2	78.7
crk	4.8	79.1
"A	4.2	79.7
M	4.3	79.6
"A	3.3	80.6
crk	3.2	80.7
N	2.6	81.3

40

3+50

N	2.5	81.4
crk	3.1	80.8
"A	3.5	80.4
M	4.1	79.8
"A	4.3	79.6
crk	5.0	78.9
S	5.2	78.7

3+75

S	5.0	78.9
crk	4.8	79.1
"A	4.0	79.9
M	4.1	79.8
"A	3.2	80.7
crk	3.2	80.7
N	3.4	80.5
T.P.	3.94	85.68
	2.20	81.74

8568

470

N	4.0	81.7
erb	4.8	80.9
"A"	4.8	80.9
M	5.7	80.0
"A"	5.7	80.0
erb	6.4	79.3
S	6.8	78.9

4725

S	6.6	79.1
erb	6.4	79.3
"A"	5.9	80.3
M	5.3	80.4
"A"	4.6	81.1
erb	4.5	81.2
N	3.8	81.9

41

4750

N	3.6	82.2
erb	4.3	81.4
"A"	5.0	80.7
M	5.6	80.1
"A"	5.7	79.8
erb	6.1	79.6
S	6.3	79.4

POSTED

4775

S	6.2	79.5
erb	5.8	79.9
"A"	5.5	80.2
M	5.1	80.6
"A"	4.8	80.9
erb	4.1	81.6
N	3.3	82.4

57.68

57.0

N	3.0	82.7
erb	3.9	81.8
"4	4.9	80.8
M	5.2	80.5
"4	5.4	80.3
erb	5.8	79.9
S	6.0	79.7

5+202 W.L. Jewell st. 80 ridge road

S	5.6	80.1
erb	5.8	79.9
"4	5.7	80.0
M	4.9	80.8
"4	5.0	80.7
erb	3.9	81.8
N	3.0	82.7

42

W. L. Cork

N	3.8	81.9
erb	4.7	81.0
"4	5.0	80.7
M	5.5	80.2
"4	5.8	79.9
erb	6.0	79.7
S	6.0	79.7

W. "4

S	6.1	79.6
erb	5.9	79.8
"4	5.5	80.2
M	5.2	80.5
"4	4.8	80.9
erb	4.5	81.2
N	3.9	81.8

95.68

Center

N	3.9	81.8
wh	4.4	81.3
"A	4.7	81.0
M	5.1	80.6
"A	5.4	80.3
wh	5.7	79.9
S	6.0	79.7

E "A

S	6.3	79.4
wh	6.0	79.7
"A	5.7	80.0
M	5.2	80.5
"A	4.8	80.9
wh	4.4	81.3
N	3.9	81.8

E. CUPH

43

N	3.8	81.9
wh	4.6	81.1
"A	4.6	81.1
M	5.3	80.4
"A	5.9	79.8
wh	6.4	79.3
S	6.8	78.9

E. L. Jewell St

S	6.1	79.6
wh	6.5	79.2
"A	6.0	79.7
M	4.7	81.0
"A	4.6	81.1
gutter wh	4.5	81.2
	3.7	82.0
N	3.3	82.4

35.68  
 Note - Emerald graded from Jewell to Larriment  
 0+25 E of Jewell

N	3.2	82.5
crk	3.7	82.0
gtr	4.5	81.2
"	4.3	81.4
M	4.9	80.8
"	5.2	79.9
gtr	6.4	79.3
crk	5.6	80.1
S	5.5	80.2

0+50

S	5.3	80.4
crk	5.6	80.1
gtr	6.2	79.5
"	5.6	80.1
M	4.6	81.1
"	4.5	81.2
gtr	4.6	81.1
crk	3.5	82.2
N	3.2	82.5

0+75

46

N	3.2	82.5
crk	3.5	82.2
gtr	4.2	81.5
"	4.2	81.5
M	4.6	81.1
"	5.6	80.1
gtr	6.1	79.6
crk	5.4	80.3
S	5.3	80.4

POSTED

1+0

S	5.0	80.7
crk	5.3	80.4
gtr	6.0	79.7
"	5.4	80.3
M	4.4	81.3
"	4.2	81.5
gtr	4.1	81.6
crk	3.2	82.5
N	2.9	82.8

8568

1725

N	2.8	82.9
orb	3.2	82.5
gtw	3.9	81.8
"4	4.1	81.6
M	4.3	81.4
"4	5.1	80.6
gtw	5.7	80.0
orb	5.1	80.6
5	4.7	81.0

1750

5	4.7	81.0
orb	5.0	80.7
gtw	5.7	80.0
"4	5.0	80.7
M	4.1	81.6
"4	3.9	81.8
gtw	3.8	81.9
orb	3.0	82.7
N	2.7	83.0

45

1770

N	2.5	83.2
orb	2.8	82.7
gtw	3.5	82.2
"4	3.7	82.0
M	3.9	81.8
"4	4.7	81.0
gtw	5.7	80.0
orb	4.5	80.9
5	4.4	81.3

2+0

5	4.4	81.3
orb	4.7	81.0
gtw	5.1	80.6
"4	4.4	81.3
M	3.7	82.0
"4	3.4	82.3
gtw	3.4	82.3
orb	2.6	83.1
N	2.4	83.3

85.65

2725

N			1.8	83.9
wh			2.0	83.7
gt			2.6	83.1
"			2.9	82.8
M			3.1	82.7
"			3.8	81.9
gt			4.5	81.3
wh			4.0	81.7
S			3.6	82.1
T.P.	12.09	94.58	3.99	82.19

2450

S			12.0	82.6
wh			12.2	82.4
gt			12.9	82.2
"			12.2	82.4
M			11.5	83.1
"			11.2	83.4
gt			11.0	83.6
wh			10.3	84.3
N			10.0	84.6

2775

46

N			9.2	85.4
wh			9.5	85.1
gt			10.1	84.5
"			10.5	84.1
M			10.6	84.0
"			11.5	83.1
gt			11.5	82.8
wh			11.5	83.1
S			11.3	83.3

370

S			10.5	84.1
wh			10.3	83.8
gt			11.2	83.4
"			10.8	83.8
M			9.8	84.8
"			9.9	85.2
gt			9.9	84.7
wh			8.5	86.1
N			8.4	86.2



94.58

3+25

N	4.4	87.2
crk	7.8	86.8
gtv	8.7	85.9
1/2	8.6	86.0
M	7.0	85.6
1/4	9.9	84.7
gtv	10.3	84.3
crk	10.0	84.6
5	9.8	84.8

3+50

5	9.1	85.5
crk	9.2	85.4
gtv	9.9	84.7
1/2	9.2	85.4
M	8.2	86.4
1/4	7.8	86.8
gtv	8.0	86.6
crk	7.0	87.6
N	6.7	87.9

3+75

N	5.8	88.8
crk	6.2	88.4
gtv	7.1	87.5
1/2	7.2	87.4
M	7.6	87.0
1/4	8.5	86.1
gtv	7.6	85.0
crk	9.5	83.1
5	7.8	86.3

POSTED

4+0

5	7.6	87.0
crk	7.9	86.7
gtv	8.7	85.9
1/2	7.9	86.7
M	6.9	87.7
1/4	6.9	88.2
gtv	6.5	88.1
crk	5.5	89.1
N	5.0	9.6

11.58

4+25

N	4.4	90.2
erk	4.7	89.9
gta	5.6	89.0
"	5.5	89.1
N	5.2	88.8
"	6.8	87.8
gta	7.8	86.8
erk	7.1	87.5
S	6.8	87.8

1+50

S	6.0	88.6
erk	6.3	88.3
gta	7.2	87.4
"	6.2	88.4
N	5.2	89.4
"	4.7	89.9
gta	4.9	89.7
erk	3.8	90.8
N	3.5	91.1

47

4+25

N	2.6	92.0
erk	3.6	91.6
gta	3.2	90.9
"	3.9	90.7
N	4.2	90.4
"	5.4	89.2
gta	6.1	88.5
erk	5.6	89.0
S	5.1	89.5

5+0

S	4.4	90.2
erk	4.9	89.7
gta	5.7	88.9
"	4.7	89.9
N	3.4	91.2
"	3.1	91.5
gta	2.7	91.9
erk	2.2	92.4
N	1.9	92.7

94.58

5+15

N	1.1	93.5
wh	1.4	93.3
gte	2.4	92.2
"A	2.2	92.4
M	2.9	91.7
"A	4.1	90.5
gE	5.1	89.5
crk	4.2	90.4
S	3.9	90.7

5+50

S	3.3	91.3
crk	3.6	91.0
gte	4.2	90.4
"A	3.3	91.3
M	2.0	92.6
"A	1.3	93.3
gte	1.5	93.1
crk	0.6	94.0

N	0.5	94.1
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T. P.	8.13	102.79	0.22	94.36
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48

5+75

N	7.5	95.0
wh	7.8	94.7
gte	8.7	93.8
"A	8.8	93.7
M	9.2	93.3
"A	10.3	92.2
gE	11.3	91.2
crk	10.7	91.8
S	12.3	92.2

6+0

S	10.0	92.5
crk	10.3	92.3
gte	11.0	91.5
"A	10.2	92.3
M	8.8	93.7
"A	8.4	94.1
gE	8.3	94.3
crk	7.4	95.1
N	7.1	95.4

102.49

6425

N	7.0	95.5
erb	7.1	95.4
gte	7.2	94.6
"A	8.0	94.5
M	8.3	94.2
"A	9.5	93.0
gte	10.6	91.9
erb	9.7	92.8
S	9.4	93.1

6450

S	8.9	93.6
erb	9.2	93.3
gte	10.3	92.3
"A	9.0	93.5
M	2.0	94.5
"A	7.6	94.9
gte	7.7	94.8
erb	6.9	95.6
N	6.7	95.8

49

6475

N	6.3	96.2
erb	6.6	95.9
gte	7.3	95.0
"A	7.3	95.0
M	7.6	94.9
"A	8.5	94.0
gte	9.6	92.6
erb	8.7	93.8
S	8.5	94.0

740

S	8.0	94.5
erb	8.4	94.1
gte	9.1	93.4
"A	8.4	94.1
M	7.6	94.9
"A	7.2	95.3
gte	7.0	95.5
erb	6.0	96.5
N	5.8	96.7

102.49

7+25

N	5.5	97.0
crk	5.9	96.7
gte	6.7	95.5
1/4	6.8	95.7
M	7.0	95.5
1/4	7.9	94.6
gte	8.4	94.1
crk	7.9	94.6
S	7.6	94.9

7450

S	7.1	95.4
crk	7.5	95.0
gte	7.8	94.7
1/4	7.7	94.8
M	6.7	95.8
1/4	6.4	96.1
gte	6.4	96.1
crk	5.4	97.1
N	5.7	97.3

7+75

N	4.9	97.6
crk	5.1	97.4
gte	6.1	96.4
1/4	5.9	96.6
M	6.1	96.4
1/4	6.8	95.7
gte	7.4	95.1
crk	6.9	95.6
S	6.7	95.8

8+0

S	6.0	96.5
crk	6.9	96.1
gte	7.1	95.4
1/4	6.5	96.0
M	5.8	96.7
1/4	5.5	97.0
gte	5.6	96.9
crk	4.8	97.7
N	4.6	97.9

102.49

8+25

N	4.2	98.3
crk	4.4	98.1
gta	5.4	97.1
"	5.1	97.4
M	5.1	97.4
"	5.9	96.6
gta	6.2	95.7
crk	5.9	96.6
S	5.6	96.9

8+50

S	5.1	97.4
crk	5.4	97.1
gta	6.3	96.2
"	5.5	97.0
M	4.7	97.8
"	4.7	97.8
gta	4.8	97.7
crk	4.1	98.4
N	3.7	98.8

51

8+75

N	3.4	99.1
crk	3.7	98.8
gta	4.4	98.1
"	4.4	98.1
M	4.2	98.3
"	5.0	97.5
gta	5.4	97.1
crk	4.7	97.8
S	4.4	98.1

9+0

S	3.9	98.6
crk	4.4	98.1
gta	5.4	97.1
"	4.5	98.0
M	4.0	98.5
"	4.0	98.5
gta	4.0	98.5
crk	3.3	99.2
N	2.9	99.6

102.99

9+75

N	2.6	99.9
crk	3.1	99.4
gta	3.8	98.7
"A	3.7	98.8
M	3.4	99.1
"A	3.9	98.6
gta	5.0	97.5
crk	3.7	98.6
S	3.5	99.0

9+50

S	3.2	99.3
crk	3.5	99.0
gta	4.5	98.0
"A	3.8	98.7
M	3.2	99.3
"A	3.4	99.1
gta	3.5	99.0
crk	2.7	99.8
N	2.4	100.1

9+75

52

N	2.1	100.4
crk	2.3	100.2
gta	3.1	99.4
"A	3.2	99.3
M	2.8	99.7
"A	3.7	98.8
gta	3.9	98.6
crk	3.2	99.3
S	2.8	99.7

10+0

S	2.4	100.1
crk	2.7	99.8
gta	3.4	99.1
"A	3.2	99.3
M	2.4	100.3
"A	2.7	99.8
gta	2.7	99.8
crk	1.9	100.6
N	1.6	100.9

POSTED

102.49

104.25

N	1.2	101.3
erb	1.5	102.0
gte	2.1	100.4
"	2.2	100.3
M	1.9	100.6
"	2.5	100.0
gte	3.0	99.0
erb	2.3	100.2
S	2.2	100.3

104.50

S	1.8	100.7
erb	2.0	100.0
gte	2.7	99.8
"	2.3	100.2
M	1.5	101.0
"	1.7	100.8
gte	1.7	100.8
erb	0.9	101.6
N	0.7	101.9

104.80 = V.I. Lament

58

N	0.2	102.3
erb	0.4	102.1
gte	1.5	101.0
"	1.4	101.1
M	1.3	101.2
"	2.0	100.5
gte	2.2	100.3
erb	1.6	100.9
S	1.5	101.0

POSTED



Pass Beryl St Lamont to Jewell  $\frac{4}{20}$  Dunkle  
 Beryl 20' wide 20 side walks  $\frac{1}{19}$  Spurr  
 B.M. 304, Telephone N.E. Lamont 143.13 Dupiel

0+25' N of Lamont

54

G.M.	10.32	153.45		
T.P.	12.56	165.86	0.15	153.30
				N.W. Lamont
N			0.1	165.8
Crk			1.1	164.8
+ 2				POSTED
"4			3.9	162.0
+ 3			3.7	162.2
+ 5			1.4	164.0
M			1.5	164.4
"4			1.8	164.1
Crk			2.2	163.7
S			3.7	162.2
T.P.	6.13	170.93	1.06	164.80

S				2.0	162.9
Crk				6.4	164.5
"4				5.2	165.1
M				5.4	165.5
"4				6.3	164.6
Crk				6.2	164.7
N				4.5	166.4
				0+50	
N				4.1	166.8
Crk				5.5	165.4
"4				5.8	165.1
M				5.2	165.7
"4				5.6	165.3
Crk				6.2	164.7
S				7.8	163.1

170.93

0775

S	7.8	163.1
erb	6.3	164.6
"A	5.7	165.2
M	4.7	166.2
"A	5.6	165.3
erb	5.2	165.7
N	2.8	168.1

1+0

N	2.5	168.4
erb	5.4	165.5
"A	5.7	165.2
M	5.1	165.8
"A	6.2	164.7
erb	6.7	164.2
S	8.0	162.9

1+25

55

S	7.9	163.0
erb	7.6	163.3
"A	7.4	163.5
M	7.2	163.7
"A	7.5	163.4
erb	6.2	164.7
+ 17	5.6	165.3
N	4.3	166.6

1+50

N	7.3	163.6
+ 5	7.4	163.5
+ 8	5.9	165.0
+ 15	6.1	164.8
erb	8.0	162.9
"A	9.1	161.8
M	8.8	162.1
"A	9.0	161.9
erb	9.1	161.8
S	8.9	162.0

170.93

1+75

S	12.8	158.1
erb	11.5	159.4
"A	11.1	159.8
M.	10.6	160.3
"A	10.2	160.7
+8	9.6	161.3
erb	8.6	162.3
+5	7.0	163.9
+12	6.8	164.1
+14	7.7	163.2
N	7.7	163.2

2+0

N	8.5	162.4
+7	8.3	162.6
+10	8.7	164.2
+16	7.2	163.7
erb	9.5	161.4
"A	10.2	160.7
M.	10.9	160.0
"A	11.3	159.6
erb	11.8	159.1
V	13.0	157.9

56

2+25

S	13.1	157.8
erb	11.9	159.0
"A	11.0	159.9
M	10.2	160.7
"A	9.5	161.4
erb	8.7	162.2
N	8.0	162.9

2+50

2+50 ~~6~~

N	6.2	164.7
erb	7.6	163.3
"A	8.2	162.7
M	8.7	162.2
"A	9.5	161.4
erb	9.9	161.0
S	12.3	158.6

170.93

2775

5	2.1	162.8
crk	2.3	161.6
"A	7.8	163.1
M	7.0	163.9
"A	6.7	164.2
crk	6.2	164.7
N	5.2	165.7

370

N	2.3	168.6
crk	4.5	166.4
"A	5.2	165.7
M	6.0	164.9
"A	6.7	164.2
crk	7.1	163.8
5	8.4	162.5

57

3725

5	7.4	163.5
crk	5.9	165.0
"A	5.5	165.4
M	4.6	166.3
"A	3.6	167.3
crk	3.4	167.5
N	0.8	170.1

T.P. 9.16 177.70 2.39 168.54

3750

N	7.1	170.6
crk	8.7	169.0
"A	9.6	168.1
M	10.8	166.9
"A	11.6	166.1
crk	12.1	165.6
5	14.1	163.6

177.70

3+75

S	13.4	164.3
Crk	11.2	166.5
"A	10.6	167.1
M	9.8	167.9
"A	8.5	169.2
Crk	7.3	170.4
N	5.8	171.9

4+0

N	4.4	173.3
Crk	6.1	171.6
"A	7.3	170.4
M	8.5	168.9
"A	9.8	167.9
Crk	10.3	167.4
S	12.3	165.4

4+25

58

\*

S	11.3	166.4
Crk	9.2	168.5
"A	8.4	169.3
M	7.2	170.5
"A	6.0	171.7
Crk	5.1	172.6
N	3.5	174.2

4+50

N	2.9	174.8
Crk	4.7	173.0
"A	6.1	171.6
M	7.1	170.6
"A	7.7	170.0
Crk	8.5	169.2
S	10.8	166.9

177.70

A175

S	10.9	166.8
wh	8.6	169.1
"4	7.7	170.0
M	7.2	170.5
"4	6.1	171.6
wh	4.5	173.2
N	2.8	174.9

540 = E.L. Kendall St.

N	2.7	175.0
wh	4.0	173.7
"4	5.5	172.2
M	6.8	170.9
"4	7.7	170.0
wh	8.7	169.0
S	10.7	167.0

59

R 6076

S	10.4	167.3
wh	8.1	169.6
"4	6.9	171.0
M	5.6	172.1
"4	5.1	172.6
wh	3.9	173.8
N	2.1	175.6

POSTED

E "4

N	1.8	175.9
wh	3.6	174.1
"4	5.0	172.7
M	5.6	172.1
"4	6.7	171.0
wh	8.1	169.6
S	9.7	168.0

177.70

Center

S	9.6	168.1
erb	7.8	169.9
"H	6.8	171.9
M	5.0	172.7
"H	4.6	173.1
erb	3.2	174.5
N	2.6	176.1
	W "H	
N	1.3	176.4
erb	2.7	175.0
"H	4.1	173.6
M	4.5	173.2
"H	5.8	171.9
erb	7.5	170.2
S	9.0	168.7

177.7

W CUPK

60

S	9.6	168.1
erb	7.1	170.6
"H	5.2	172.5
M	4.3	173.4
"H	3.6	174.1
erb	2.3	175.4
N	1.1	176.6
	W. L. 1	
N	0.8	176.9
erb	2.6	175.1
"H	3.5	174.2
M	5.3	172.9
"H	5.6	172.1
erb	7.3	170.4
S	9.2	168.5

177.70

0425 W

S	11.0	166.7
erb	9.3	168.9
1/4	7.9	169.8
M	7.3	170.9
1/4	5.9	172.3
erb	4.2	173.5
N	2.6	175.1

0450

N	3.8	173.9
erb	5.5	172.2
1/4	6.7	171.0
M	7.7	170.0
1/4	10.0	167.7
erb	11.9	166.3
S	12.8	164.9

177.70

0445

S	14.7	163.0
erb	12.3	165.4
1/4	10.7	167.0
M	8.9	168.8
1/4	7.8	169.9
erb	6.8	170.9
N	5.4	172.3

140

N	6.8	170.9
erb	7.9	169.8
1/4	8.9	168.8
M	10.2	167.5
1/4	11.9	165.8
erb	13.7	164.0
S	14.9	162.8



		177.70		
		1725		
S			16.4	161.3
Crk			13.9	163.2
"A			12.5	165.2
M			10.9	166.2
"A			9.7	168.0
Crk			8.8	168.9
N			7.9	169.8
T. P.	2.63	170.98	9.35	168.35

		1750		
N			2.6	168.4
Crk			3.5	167.5
"A			4.5	166.5
M			5.5	165.5
"A			7.3	163.7
Crk			8.0	162.0
S			10.6	160.4

170.98

1775

62

S			11.9	159.1
Crk			9.9	161.1
"A			8.2	162.2
M			7.2	163.8
"A			5.8	165.2
Crk			4.8	166.2
N			3.9	167.1

740

N			5.9	165.1
Crk			7.1	163.9
"A			7.5	163.5
M			8.9	162.1
"A			9.8	161.2
Crk			11.9	159.1
S			13.6	157.4

170.98

2+25

S	14.9	156.1
erb	13.2	157.8
"A	12.2	158.8
M	11.5	159.5
"A	10.9	160.1
erb	10.1	160.9
N	8.2	162.8

2+50

N	6.3	164.7
erb	8.3	162.7
"A	9.8	161.7
M	11.2	159.8
"A	12.6	158.4
erb	14.2	156.8
S	14.7	156.3

170.98

2+75

S	15.0	156.0
erb	11.7	159.3
"A	10.5	160.5
M	9.5	161.5
"A	8.2	162.8
erb	7.0	164.0
N	4.6	166.4

3+0

N	3.7	167.3
erb	5.5	165.5
"A	6.8	164.2
M	8.5	162.5
"A	9.3	161.7
erb	10.5	160.5
S	12.8	158.2

68

170.98

3+25

S	11.7	159.3
cb	9.2	161.8
"A	7.7	162.3
M	6.6	164.4
"A	5.1	165.9
cb	4.2	166.8
N	2.1	168.9

3+50

N	1.2	169.8
cb	3.2	167.8
"A	4.4	166.6
M	5.6	165.4
"A	7.1	163.9
cb	8.4	162.6
S	11.8	159.2

170.98

3+75

S	11.7	159.3
cb	7.5	163.5
"A	6.2	164.8
M	4.7	166.3
"A	3.5	167.5
cb	2.8	168.2
N	1.6	169.4

4+0

N	2.6	168.4
cb	3.4	167.6
"A	4.1	166.9
M	5.2	165.8
"A	6.6	164.4
cb	7.9	163.1
S	12.0	159.0

170.98

A+25

S	12.8	158.2
Crk	9.2	161.8
"A	7.5	163.5
M	6.1	164.9
"A	4.9	166.1
Crk	9.3	166.7
N	3.2	167.8

A+50

N	3.9	167.1
Crk	5.5	165.5
"A	6.8	164.2
M	8.0	163.0
"A	8.9	162.1
Crk	10.8	160.2
S	14.2	156.8

170.98

A+75

S	14.8	156.2
Crk	11.1	159.9
"A	9.5	161.5
M	7.8	163.2
"A	6.9	164.1
Crk	5.8	165.2
N	3.8	167.2

5+0 = E. L. Jewell

N	3.9	167.1
Crk	6.2	164.8
"A	8.1	162.9
M	9.7	161.3
"A	14.0	160.0
Crk	12.5	158.5
S	14.9	156.1

POSTED

65

x-section Valley Place 28<sup>th</sup> to 29<sup>th</sup> St 7 1/2' / 69  
 " " 40' wide  
 12.11.5 PM Tol over S.E. 29<sup>th</sup> & Webster 72.09  
 Drunkle  
 Shaw  
 Royal

74.62  
 0+50

3.11.1	2.58	74.62	
			5.3 69.3
			5.4 69.2
			5.3 69.3
			5.9 68.7
			5.7 68.9
			5.7 68.9
			5.7 68.9
			5.7 68.9
			5.4 69.2
			5.5 69.1
			5.5 69.1
			5.6 69.0
			5.3 69.3
			5.4 69.2
			5.4 69.2
			5.6 69.0
			5.6 69.0

POSTED

POSTED

0+25 E

0+75

66

74.62

1+0

N	5.1	69.5
crk	5.2	69.4
"A	5.0	69.6
M	5.0	69.6
"A	5.2	69.4
crk	5.2	69.4
S	5.1	69.5

1+25

S	5.0	69.6
crk	5.2	69.4
"A	5.1	69.5
M	4.8	69.8
"A	4.8	69.8
crk	5.0	69.6
N	5.0	69.6

74.62

1+50

67

N	5.0	69.6
crk	5.0	69.6
"A	5.1	69.5
M	5.0	69.6
"A	4.9	69.7
crk	5.0	69.6
S	4.9	69.7

1+75

S	4.9	69.7
crk	5.1	69.5
"A	5.1	69.5
M	5.0	69.6
"A	5.0	69.6
crk	5.0	69.6
N	5.0	69.6

74.62

212

N	5.0	69.6
crb	5.0	69.6
"A	5.2	69.4
M	5.0	69.6
"A	5.1	69.5
crb	5.0	69.6
S	4.8	69.8

2125

S	4.9	69.7
crb	5.0	69.6
"A	5.0	69.6
M	5.1	69.5
"A	5.1	69.5
crb	5.3	69.3
N	4.9	69.7

74.62

2150

68

N	4.9	69.7
crb	4.8	69.8
"A	5.0	69.6
M	5.0	69.6
"A	5.1	69.5
crb	4.8	69.8
S	4.8	69.8

2175

S	4.5	70.1
crb	4.5	70.1
"A	4.7	69.9
M	4.8	69.8
"A	4.9	69.7
crb	4.7	69.9
N	4.7	69.9

74.62

3+0

N 4.5 70.1

cub 4.9 69.7

1/4 4.7 69.9

M 4.5 70.1

1/4 4.5 70.1

cub 4.0 70.6

S 3.2 71.4

3+25

S 4.2 70.4

cub 4.1 70.5

1/4 4.3 70.3

M 4.5 70.1

1/4 4.5 70.1

cub 4.8 69.8

N 4.3 70.3

74.62

3+50

69

N 4.4 70.2

cub 4.4 70.2

1/4 4.3 70.3

M 4.4 70.2

1/4 4.2 70.4

cub 3.9 70.7

S 3.9 70.7

3+25

S 3.7 70.9

cub 4.2 70.4

1/4 4.4 70.2

M 4.5 70.1

1/4 4.4 70.2

cub 4.4 70.2

N 4.4 70.2



74.62

4+0

N	4.3	70.3
crk	4.8	69.8
"A	4.9	69.7
M	4.9	69.7
"A	4.7	69.9
crk	4.3	70.3
S	4.0	70.6

4+25

S	4.6	70.0
crk	4.6	70.0
"A	4.9	69.7
M	4.9	69.7
"A	4.9	69.7
crk	4.9	
N	4.6	

70

4+50

N	4.5
crk	4.9
"A	4.9
M	4.9
"A	4.9
crk	5.0
S	4.7

4+75

S	4.8
crk	4.7
"A	4.8
M	4.8
"A	4.8
crk	4.8
N	4.6

74.62

570

N	4.8
erb	4.9
"A	4.9
M	4.9
"A	4.9
erb	4.8
S	4.6

5725

S	4.6
erb	4.8
"A	4.8
M	4.9
"A	4.9
erb	4.9
N	5.0

71

5750

N	4.8
erb	4.8
"A	4.7
M	4.7
"A	4.9
erb	4.7
S	4.7

57702 X-SEC "A" see plot P.72

S	4.9
erb	4.9
"A	4.8
M	4.9
"A	4.9
erb	4.9
N	4.8

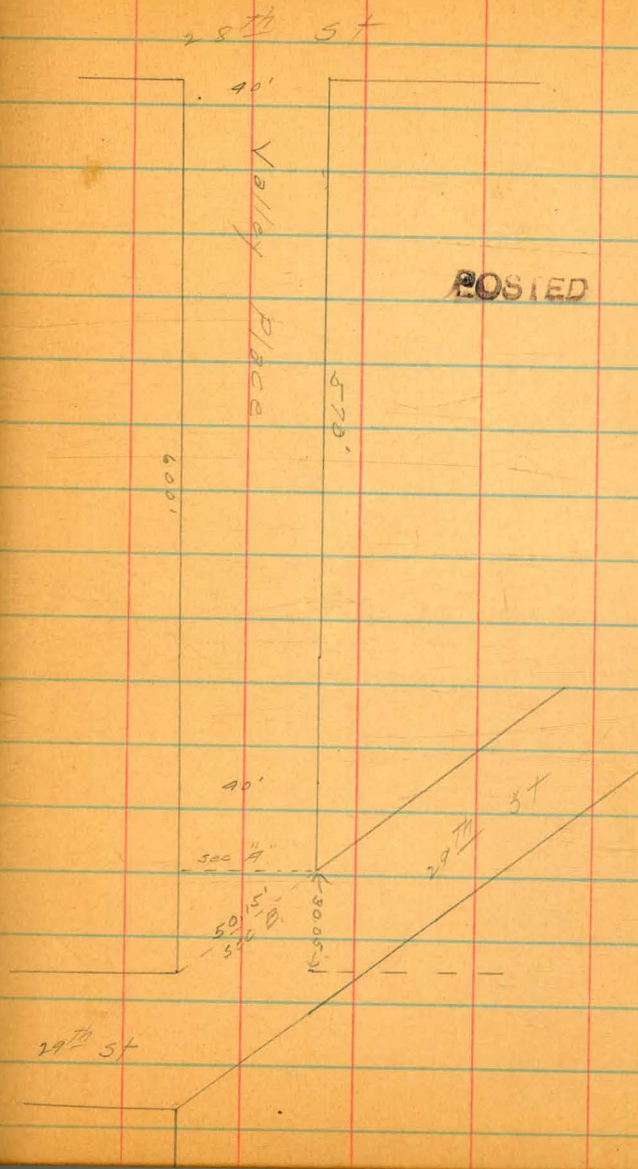
74.62

x-sec 'B' see plot

N	4.9	69.7
cb	5.1	
"A	5.1	
M	5.0	69.6
"A	4.8	
cb	4.5	
S	4.8	69.8

POSTED

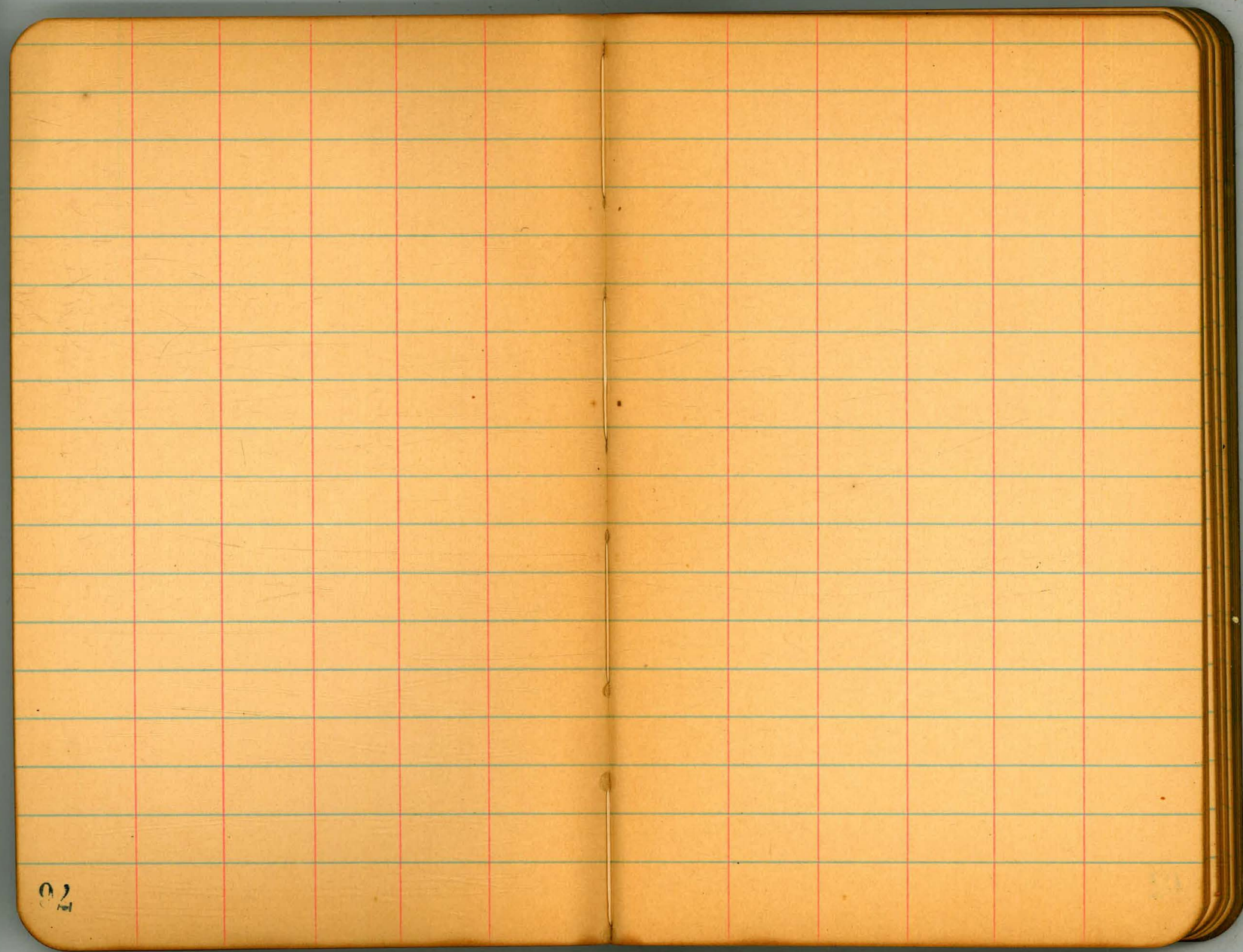
72



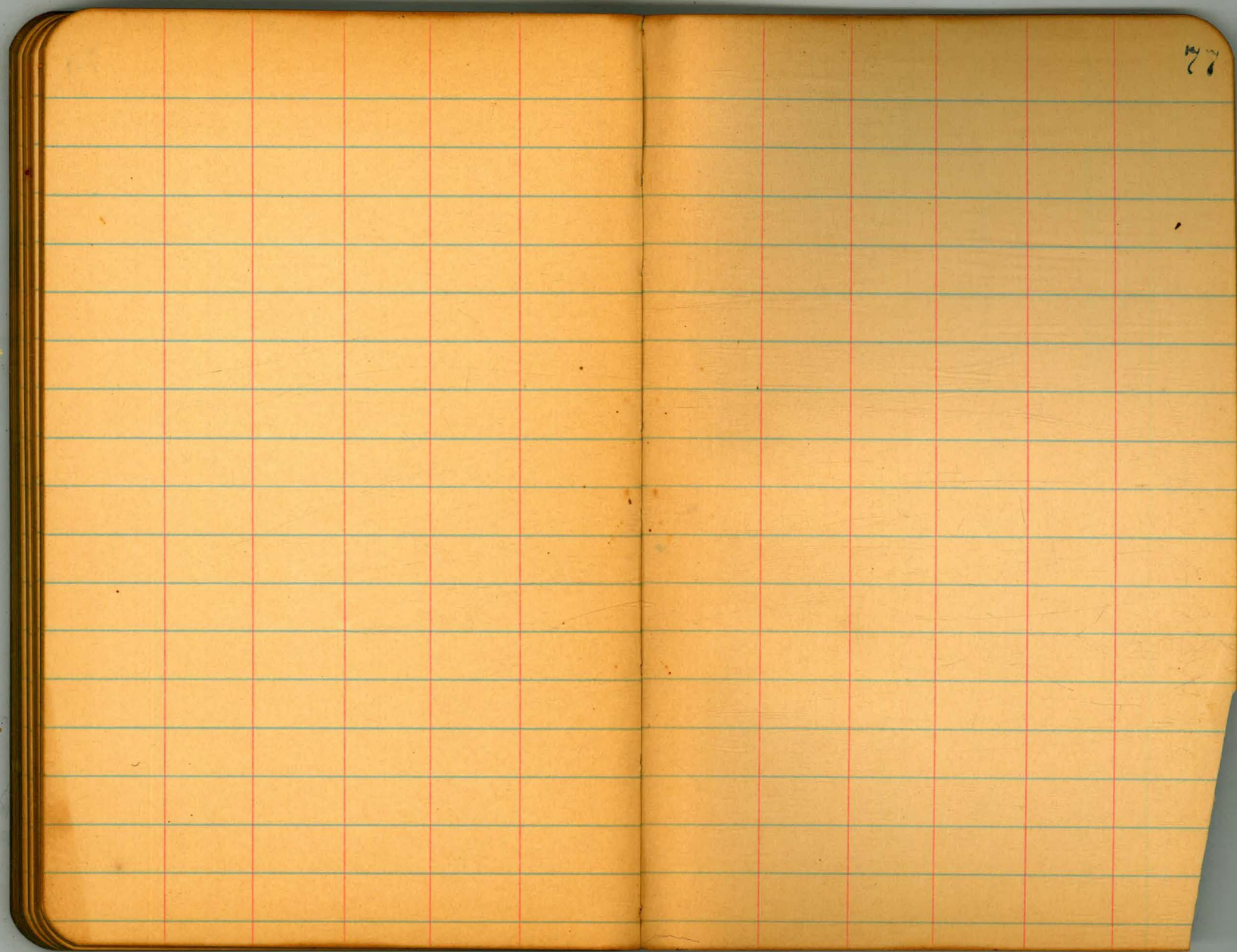
73

74

75



22



27



1.05

18.5 8.83 2.55

2.45  
2.41 2.31 5

32.5 1.38  
1.58 1.30

41.5  
0.02 1.20

0.0  
0.47 0.0

4.05

G

F

E

D

C

B

1.05

0.73 3.45

2.55  
6.12 3.25

1.53 1.36  
3.55 4.0

41.5  
0.02 8.3

0.2  
0.0 1.15

0.55

G

F

E

D

C

B

1.05

0.73 3.45

2.55  
6.12 3.25

1.53 1.36  
3.55 4.0

41.5  
0.02 8.3

0.2  
0.0 1.15

0.55

G

F

E

D

C

B

1.05

0.73 3.45

2.55  
6.12 3.25

1.53 1.36  
3.55 4.0

41.5  
0.02 8.3

0.2  
0.0 1.15

0.55

G

F

E

D

C

B

1.05

0.73 3.45

2.55  
6.12 3.25

1.53 1.36  
3.55 4.0

41.5  
0.02 8.3

0.2  
0.0 1.15

0.55

G

F

E

D

C

B

1.05

0.73 3.45

2.55  
6.12 3.25

1.53 1.36  
3.55 4.0

41.5  
0.02 8.3

0.2  
0.0 1.15

0.55

G

F

E

D

C

B

1.05

0.73 3.45

2.55  
6.12 3.25

1.53 1.36  
3.55 4.0

41.5  
0.02 8.3

0.2  
0.0 1.15

0.55

G

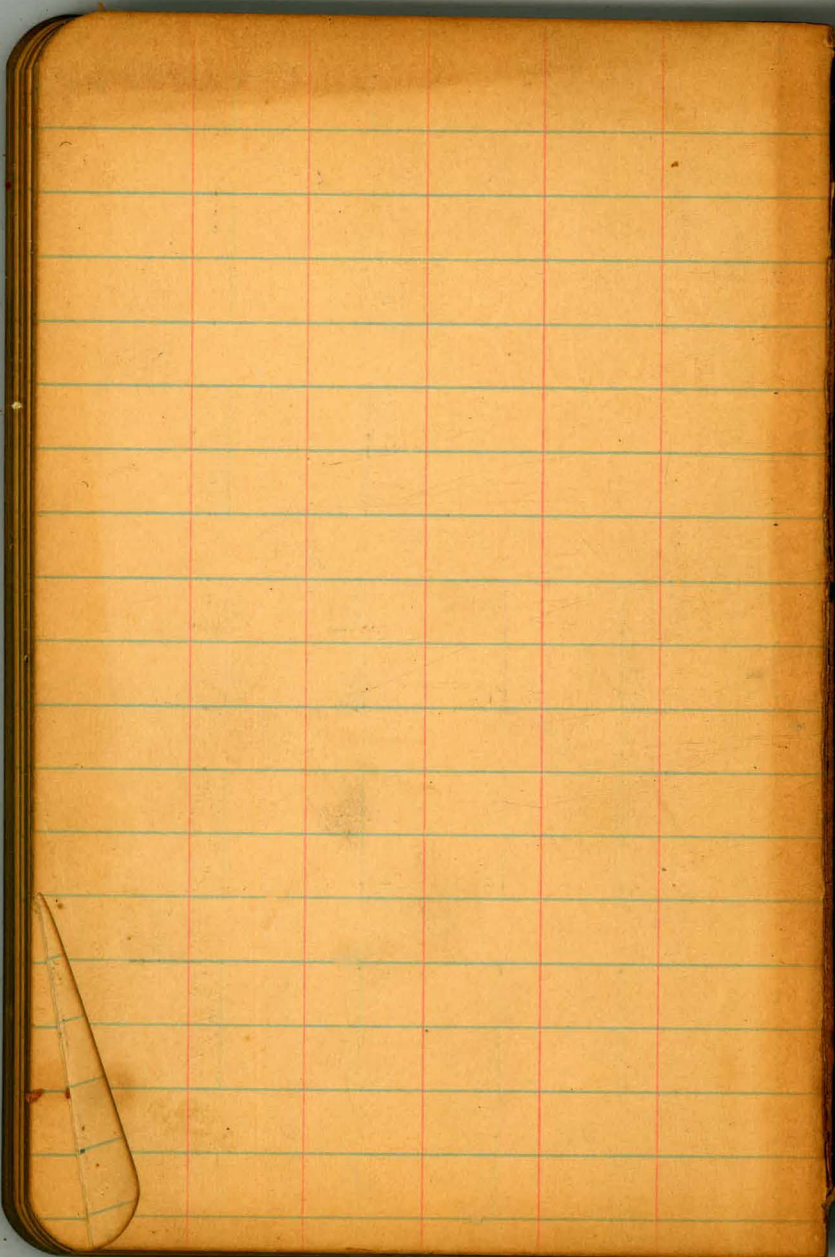
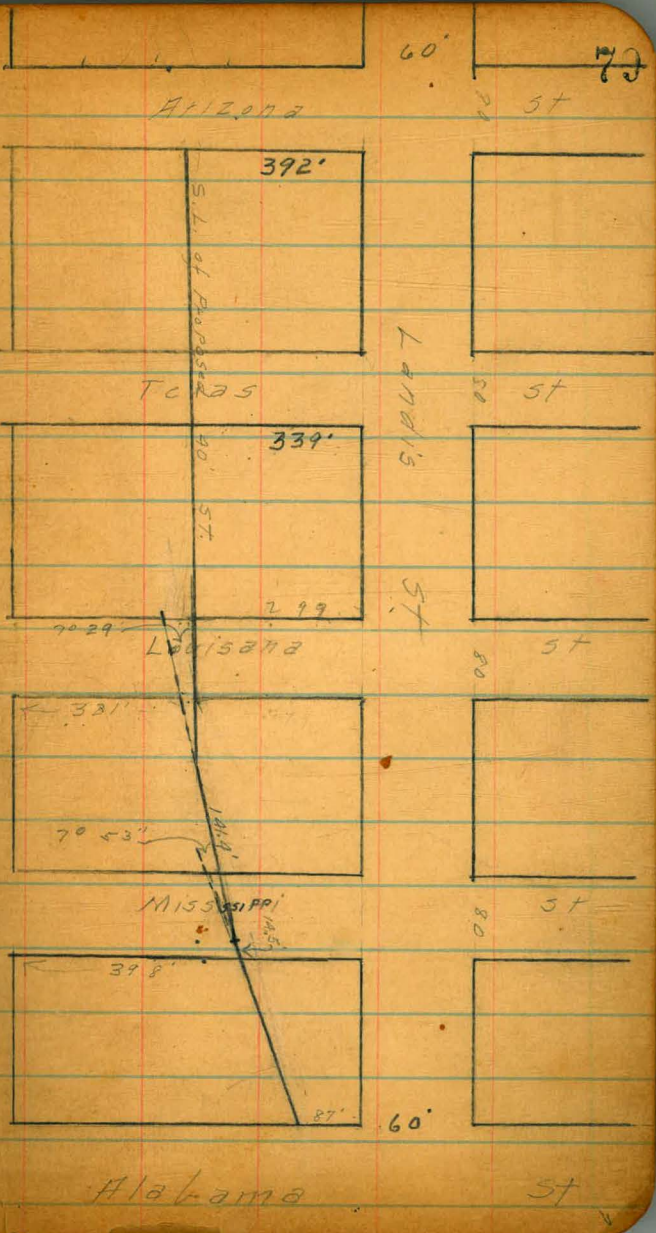
F

E

D

C

B



#410

170.88  
4.30

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TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		¼ DEGREE.		¼ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
	0	99.98	1.75	100.00	0.44	100.00	0.87	99.99	
1	99.94	3.49	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.86	5.23	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.76	6.98	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.62	8.72	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.45	10.45	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.25	12.19	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.03	13.92	99.20	12.62	99.14	13.05	99.09	13.49	82
8	98.77	15.64	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.48	17.36	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.16	19.08	98.40	17.79	98.33	18.22	98.25	18.65	79
11	97.81	20.79	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.44	22.50	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.03	24.19	97.34	22.92	97.24	23.34	97.13	23.77	76
14	96.59	25.88	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.13	27.56	96.48	26.30	96.36	26.72	96.25	27.14	74
16	95.63	29.24	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.11	30.90	95.50	29.65	95.37	30.07	95.24	30.49	72
18	94.55	32.56	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.00	34.20	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.48	35.84	93.82	34.61	93.67	35.02	93.51	35.43	69
21	92.92	37.46	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.33	39.07	92.55	37.86	92.39	38.27	92.22	38.67	67
23	91.71	40.67	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.06	42.26	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.39	43.84	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.70	45.40	89.69	44.23	89.49	44.62	89.30	45.01	63
27	88.99	46.95	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.26	48.48	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.51	50.00	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.74	51.50	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.95	52.99	85.49	51.88	85.26	52.25	85.04	52.62	58
32	85.14	54.46	84.57	53.36	84.34	53.73	84.10	54.10	57
33	84.31	55.92	83.63	54.83	83.39	55.19	83.15	55.56	56
34	83.46	57.36	82.66	56.28	82.41	56.64	82.16	57.00	55
35	82.59	58.78	81.66	57.71	81.41	58.07	81.16	58.42	54
36	81.70	60.18	80.64	59.13	80.39	59.48	80.13	59.83	53
37	80.79	61.57	79.60	60.53	79.34	60.88	79.07	61.22	52
38	79.86	62.93	78.53	61.91	78.26	62.25	77.99	62.59	51
39	78.91	64.28	77.44	63.27	77.16	63.61	76.88	63.94	50
40	77.94	65.61	76.32	64.61	76.04	64.94	75.76	65.28	49
41	76.95	66.91	75.18	65.93	74.90	66.26	74.61	66.59	48
42	75.94	68.20	74.02	67.24	73.73	67.56	73.43	67.88	47
43	74.91	69.47	72.84	68.52	72.54	68.84	72.24	69.15	46
44	73.86	70.71	71.63	69.78	71.33	70.09	71.02	70.40	45
45	72.79								

Handwritten notes and calculations on the left page of the notebook. Includes a diagram of a traverse with points labeled 'A' and 'B'. The diagram shows a series of connected lines forming a polygon. Handwritten numbers include '102.49', '1.57', '50.98', '10.00', '5.20', '15.20', '100.92', '4.53', '12.90', '10.56', '3.22', '74.26', '12.53', '60.77', '3.07', '62.78'. There are also some larger numbers like '93.53', '5.27', '86', '55.52', '46.11', '35.70', '12.41', '111.50', '4.30', '106.70', '62.78', '4.90', '57.88', '28.65', '20.00', '15.70', '21.58', '59.17', '270', '57.77', '59.17', '57.6'. The text 'Clay 7962' is written near the top of the diagram.