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.

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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	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅓
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

TABLE FOR RUNNING ON SLOPES.

MICROFILMED
JUL 10 1964

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

COMMUNI CONSENSU TRADE MARK PRIMO

MANUFACTURED BY

A. S. Crocker Co.

SAN FRANCISCO
and
SACRAMENTO

1

2

X-section First St Robinson To University First St 70' wide

Drawn by Sharm

B.M. brass plg Robinson & First 269.96 Digiel

B.M.	7.01	276.97			
	N.L. Robinson				
E			6.0	271.0	
crb			5.7	271.3	
1/4			6.6	270.4	
M			7.5	269.5	
1/4			7.9	269.1	
crb			8.0	269.0	
W			7.7	269.3	
	0+25 N				
W			7.2	269.8	
crb			7.1	269.9	
1/4			6.9	270.1	
M			6.5	270.5	
1/4			5.6	271.4	
crb			4.6	272.4	
E			4.5	272.5	

POSTED

		0+50			
E			4.3	272.7	
crb			4.3	272.7	
1/4			5.0	272.0	
M			5.3	271.7	
1/4			6.1	270.9	
crb			6.7	270.3	
W			6.9	270.1	
		0+75			
W			6.8	270.2	
crb			6.6	270.4	
1/4			6.2	270.8	
M			5.8	271.2	
1/4			4.9	272.1	
crb			4.8	272.2	
E			4.5	272.5	

276.97

1+0

E	4.4	272.6
crb	4.8	272.2
"4	5.2	271.8
M	5.8	271.2
"4	5.8	271.2
crb	6.3	270.7
W	7.0	270.0

1+25

W	7.5	269.5
crb	6.8	270.2
"4	6.1	270.9
M	6.5	270.5
"4	5.7	271.3
crb	5.7	271.3
E	5.1	271.9

1+50

E	5.4	271.6
crb	6.1	270.9
"4	6.7	270.3
M	6.9	270.1
"4	7.4	269.6
crb	7.9	269.1
W	8.2	268.8

1+75

W	8.9	268.1
crb	8.9	268.1
"4	8.8	268.2
M	8.2	268.8
"4	7.6	269.4
Crb	7.1	269.9
E	6.2	270.8

276.97

2+00

E	6.5	270.5
crk	6.7	270.3
"4	7.1	269.9
M	8.3	268.7
"4	9.3	267.7
crk	8.4	268.6
W	8.5	268.5

2+25

W	10.4	266.6
crk	9.8	267.2
"4	9.1	267.9
M	8.7	268.3
"4	7.9	269.1
crk	7.2	269.8
E	7.2	269.8

2+50

E	6.1	270.9
crk	6.3	270.7
"4	6.8	270.2
M	7.8	269.2
"4	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
"4	7.7	269.3
M	6.8	270.2
"4	6.8	270.2
crk	5.8	271.2
E	4.8	272.2

276.97

3+0

E	4.4	272.6
crk	5.7	271.3
"/g	6.0	271.0
M	6.8	270.2
"/g	7.4	269.6
crk	7.7	269.3
W	8.1	268.9

3+25

W	7.9	269.1
crk	7.6	269.4
"/g	7.1	269.9
M	6.2	270.8
"/g	5.7	271.3
crk	4.9	272.1
E	4.0	273.0

3+50

E	3.5	273.5
crk	4.6	272.4
"/g	5.2	271.8
M	5.3	271.7
"/g	5.8	271.2
crk	6.7	270.3
W	7.0	270.0

3+75

W	6.1	270.9
crk	5.5	271.5
"/g	5.3	271.7
M	4.6	272.4
"/g	4.4	272.6
crk	3.7	273.3
E	3.2	273.8

	276.97		
	4+0		
E		3.0	274.0
ctr		3.4	273.6
1/4		3.9	273.1
M		3.9	273.1
1/4		4.2	272.8
ctr		4.6	272.4
W		5.0	272.0
	4+16 = S.L. University Ave		
W		5.0	272.0
ctr		4.7	272.3
1/4		4.0	273.0
M		3.9	273.1
1/4		3.5	273.5
ctr		2.8	274.2
E		2.8	274.2

POSTED

POSTED

V. section	Clay Ave W.L. 33rd to			6/22/09	Dunkle
E.L. 33rd	Clay " 80' wide 33rd 60' wide				Shaw
B.M. brass Plg. Mon. S.W. Clay & 32nd				78.06	Dujiel
B.M.	5.99	84.05			
	W.L. 33rd St				
S			4.4	79.7	
Crb			6.3		
1/4			6.9		
M			7.5		
1/4			8.3		
Crb			9.4		
N			11.2	72.9	
	W. Curb				
N			12.8	71.3	
Crb			10.6	73.5	
1/4			9.1	75.0	
M			8.5	75.6	
1/4			7.7	76.4	
Crb			6.5	77.6	
S			5.6	78.5	

POSTED

	W 1/4			
S			6.2	77.9
Crb			7.2	76.9
1/4			8.5	75.6
M			9.8	74.3
1/4			10.9	73.2
Crb			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
Crb			7.9	71.1
1/4			7.0	72.0
M			5.8	73.2
1/4			4.6	74.4
Crb			3.3	75.7
S			1.8	77.2

POSTED

78.95

E 1/4

S	3.0	76.0
Crk	4.6	74.4
1/4	5.8	73.2
M	7.0	72.0
1/4	8.2	71.8
Crk	8.9	70.1
N	10.3	68.7

E. Crk

N	10.3	68.7
Crk	9.9	69.1
1/4	9.2	69.8
M	7.9	71.1
1/4	6.6	72.4
Crk	5.0	74.0
S	3.8	75.2

El. 33 +d

S	4.0	75.0
Crk	6.8	72.2
1/4	8.9	70.6
M	9.6	69.4
1/4	10.8	68.2
Crk	11.5	67.5
N	11.8	67.2

POSTED

Levels on 3rd st "B" to "J" Showing present elevation of curb & giving est grade. 6/23/09 Dunkle Shaw Orzil

B.M. N.W. cor brass plg 3rd & "C" St			41.96	
B.M.	5.28	47.24		
S.L. "B" St.				
W. curb Elev		2.81	44.43	
" " 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 abrupt drop in curb		3.40	43.84	
" " est grade			44.1	
E " elev		3.02	44.22	
" " est grade			44.25	

POSTED

		47.24		
		0+75		
E curb elev			3.12	44.12
" " est grade				44.13
W " elev			3.64	43.60
" " est grade				43.9
		1+0		
W curb elev			3.74	43.50
" " " abrupt raise in curb			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				43.88
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

W crk elev	3.98	43.26
" " est G		43.3
E " elev	3.56	43.68
" " est G		43.7

1+75

E crk elev	3.68	43.56
E " est G		43.6
W " elev	4.23	43.01
" " est G.		43.0

2+0

W crk elev	4.40	42.84
" " est G		42.8
E " elev	3.81	43.43
" " est G		43.5

47.24

2+25

E crk elev	4.00	43.24
" " est G.		43.25
W " elev	4.62	42.62
" " est G		42.6

2+50

W crk elev	4.85	42.39
" " est G		43.4
E " elev	4.13	43.11
" " est G.		43.25

2+75

E crk elev	4.20	43.04
" " est G.		43.1
W " elev	5.03	42.21
" " est G		42.2

47.24

3+00 = N.L. "C" St

W. Crb elev	5.25	41.99
" " est'd		42.0
E " elev	4.28	42.96
" " est'd		43.0

S.L. "C" St

E Crb elev	4.29	42.95
" " est'd		43.0
W " elev	5.26	41.98
" " est'd		42.0

0+75' S

W Crb elev	5.28	41.96
" " est'd		41.96
E " elev	4.33	42.91
" " est'd		42.96

47.24

0+50

E Crb elev	4.33	42.91
" " est'd		42.91
W " elev	5.33	41.91
" " est'd		41.91

0+75

W " elev	5.37	41.87
" " est'd		41.86
E " elev	4.36	42.88
" " est'd		42.88

1+00

E Crb elev	4.36	42.88
" " est'd		42.84
W " elev	5.41	41.83
" " est'd		41.82

	47.29		
	1+25		
W Crb. elev		5.47	41.77
" " est. G			41.77
E. " elev		4.40	42.84
" " est G			42.80
	1+50		
E Crb elev		4.40	42.84
" " est G			42.76
W " elev		5.51	41.73
" " est G			41.72
	1+75		
W Crb elev		5.54	41.70
" " est G			41.68
E " elev		4.48	42.76
" " est G			42.71

	47.29		
	2+0		
E Crb elev		4.48	42.76
" " est G			42.67
W " elev		5.63	41.61
" " est G			41.63
	2+25		
W Crb elev		5.69	41.55
" " est G			41.59
E " elev		4.52	42.72
" " est G			42.63
	2+50		
E Crb elev		4.65	42.59
" " est G			42.59
W " elev		5.78	41.46
" " est G			41.54

POSTED

42.29

2+70 6 = N.L. "D" St on W. side

W Crb elev	5.80	41.94
" " est G		41.5
E " elev	4.60	42.64
" " est G.		42.55

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

E Crb elev	4.68	42.56
" " est G		42.50
T. P.	2.75 42.20	2.79 39.45

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

E. curb elev	1.24	40.96
" " est G		41.0

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

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

42.20

0+25 on W & 0+31 on E

W curb elev	3.20	39.00
" " est G		39.04
E " elev	1.7	40.50
" " est G		40.43

0+50 on W & 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 & 0+80 on E = N.L. Witherby

W curb elev	4.15	38.05
" " est G		38.11
E " elev	2.37	39.83
" " est G		39.53

1+0 on W

W Crb elev	4.66	37.54
" " est G		37.65

42.20

1+35.5 on W & 1+36 on E = S.L. W. Thereby

E. Curb elev	3.84	38.36
" C " 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 & 1+56 on E side

W. Curb elev	6.54	35.66
" " est Grade		36.55
E " elev	4.48	37.72
" " est G		37.86

1+85.5 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
	6.77	
" " elev abrupt raise in curb		35.43
" " est G		35.50

42.20

2+00 on W & 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 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+41.4 on E. = S.L. Alley on E

E " elev	7.14	35.06
" " est G		35.11

42.20

2+50 on W 82+56 on E

E Crk	Elev	7.62	34.58
" "	est G		34.64
W "	elev	8.78	33.42
" "	est G		33.55

2+85 on W 82+91 on E = N.L. "E" St

W. Crk	elev	9.74	32.46
" "	est G		32.50
E "	elev.	8.70	33.50
" "	est Grade		33.50
T. P		0.42	32.78	9.84	32.36

N.L. "E" St

E Crk	elev	0.42	32.36
" "	est G		32.50
W "	elev	1.44	31.34
" "	est G		31.50

32.78

0+25 S

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

0+50

E Crk	elev	1.52	31.26
" "	est G		31.34
W "	elev	2.48	30.30
" "	est G		30.34

0+75

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

POSTED

32.78

1+00

E crb elev	2.71	30.07
" " est G		30.17
W " elev	3.63	29.15
" " est G		29.17

1+25

W crb elev	4.25	28.53
" " est G		28.59
E " elev	3.28	29.50
" " est G		29.59

1+50

E crb elev	3.87	28.91
" " est G		29.01
W " elev	4.83	27.95
" " est G		28.01

32.78

1+75

W crb elev	5.33	27.45
" " est G		27.43
E " elev	4.45	28.33
" " est G		28.43

2+00

E crb elev	5.01	27.77
" " est G		27.84
W " elev	5.85	26.93
" " est G		26.84

2+25

W crb elev	6.38	26.40
" " est G		26.26
E " elev	5.63	27.15
" " est G		27.26

	32.78		
2+50			
E Crb elev		6.19	26.59
" " est G			26.68
W " elev		7.00	25.78
" " est G			25.68
2+75			
W Crb elev		7.69	25.14
" " est G			25.09
E " elev		6.76	26.02
" " est G			26.09
3+0 = N.L. "F" St			
E. Crb elev		7.33	25.45
" " est G			25.50
W " elev		8.16	24.62
" " est G			24.50
T. P.	2.91	26.31	9.38	23.40

Metal 3" Plank Curb on E. side from "F" St for 150' S

	26.31		
S.L. "F" St			
W Crb elev		2.90	23.41
" " est G			23.50
E " elev		1.90	24.41
" " est G			24.50
0+25 S			
E Crb elev		2.37	23.94
" " est G			24.08
W " elev		3.22	23.09
" " est G			23.08
0+50			
W Crb elev		3.59	22.72
" " est G			22.67
E " elev		2.86	23.45
" " est G			23.67

	26.31		
	0+75		
E Crk elev		3.21	23.10
" " est. G			23.25
W " elev		4.17	22.14
" " est. G			22.25
	1+0		
W. Crk elev		4.55	21.76
" " est. G			21.83
E Bl elev		3.60	22.71
" " est. G			22.83
	1+25		
E Crk elev		4.11	22.20
" " est. G			22.41
W " elev		4.98	21.33
" " est. G			21.41

	26.31		
	1+50		
W Crk elev		5.35	20.96
" " est. G			21.00
E " elev		4.59	21.77
" " est. G			22.00
	1+75		
E Crk elev		4.80	21.51
" " est. G			21.58
W " elev		5.81	20.50
" " est. G			20.58
	2+0		
W Crk elev		6.26	20.05
" " est. G			20.16
E " elev		5.21	21.10
" " est G			21.16

26-31

2+75

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

2+50

W crk elev	6.98	19.33
" " est. G		19.38
E " elev	6.05	20.26
" " est. G		20.33

2+75

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

3+0 = N.L. "G" St

W crk elev		7.82	18.49
" " est. G			18.50
E " elev		6.85	19.46
" " est G			19.50
T.P.	2.75	20.23	8.83 17.48

S.L. "G" St

W crk elev	2.75	17.48
" " est. G		17.50
E " elev	1.80	18.43
" " est. G		18.50

POSTED

0+25 S

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

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

		20.23		
		0+50		
W Crb	elev		3.68	16.55
" "	est. G			16.58
E "	elev		2.82	17.41
" "	est. G			17.50
		0+75		
E. Crb	elev		3.40	16.83
" "	est. G			17.00
W "	elev		4.15	16.08
" "	est. G			16.12
		1+0		
W. Crb	elev		4.58	15.65
" "	est. G			15.66
E "	elev		3.88	16.35
" "	est. G			16.50

		20.23			
		1+25			
E Crb	elev		4.35	15.88	
" "	est. G			16.00	
W "	elev				
" "	est. G		5.09	15.14	1521
		1+50			
W Crb	elev		5.49	14.74	
" "	est. G			14.75	
E "	elev		4.80	15.43	
" "	est. G			15.50	
		1+75			
E Crb	elev		5.30	14.93	
" "	est. G			15.00	
W "	elev		6.0	14.23	
" "	est G			14.29	

20.23

2+0

W crb elev	6.99	13.74
" " est G		13.83
E " elev	5.80	14.43
" " est G		14.50

2+25

E crb elev	6.30	13.93
" " est. G		14.00
W " elev	6.94	13.29
" " est. G		13.37

2+50

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

2+75

E. crb elev	7.27	12.96
" " est G		13.00
W " elev	7.82	12.41
" " est G		12.46

3+0 = N.L."H" St

W crb. 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

S.L."H" St

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

14.03

0+25

W Crk elev	2.93	11.10
" " est. G		11.11
E " elev	2.50	11.53
" " est G		1163

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

1+0

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 Crb elev		5.21	8.82
" " est. G			8.88
E " elev.		9.74	9.29
" " est. G			9.37

2+00

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

2+25

W Crb elev		5.96	8.07
" " est. G			8.12
E " elev	Top of curb cut off for driveway		
" " est. G			8.42

14.03

2+50

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

2+75

W. Crb elev		6.68	7.35
" " est. G			7.37
E " elev		6.16	7.87
" " est. G,			7.80

POSTED

3+02 N.L. "I" St.

E. Crb 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

7.95

S.L. "I" St

W. Crb elev	1.48	6.97
" " est. 6		6.50
E " elev	1.53	6.42
" " est. 6		6.50

0+25 S.

E. Crb elev	1.86	6.09
" " est. 6		6.12
W. " elev	1.97	6.08
" " est. 6		6.12

0+50

W. Crb elev	2.25	5.70
" " est. 6		5.75
E " elev	2.22	5.73
" " est. 6		5.75

7.95

0+75

E Crb elev	2.60	5.35
" " est. 6		5.37
W. Crb elev	2.64	5.31
" " est. 6		5.37

1+0

W. Crb elev	3.0	4.95
" " est. 6		5.00
E " elev	2.98	4.97
" " est. 6		5.00

1+25

E. Crb elev	3.37	4.58
" " est. 6		4.62
W. " elev	3.40	4.55
" " est. 6		4.62

7.95

1+50

W. Crk	elev	3.77	4.18
" "	est. 6		4.25
E "	elev	3.73	4.22
" "	est. 6		4.25

1+75

E. Crk	elev	4.14	3.81
" "	est. 6		3.87
W. "	elev	4.16	3.79
" "	est. 6		3.87

2+0

W. Crk	elev	4.50	3.45
" "	est. 6		3.50
E. Crk	elev	4.52	3.43
" "	est. 6		3.50

7.95

2+25

E. Crk	elev	4.86	3.09
" "	est. 6		3.12
W. "	elev	4.88	3.07
" "	est. 6		3.12

2+50

W. Crk	elev	5.20	2.75
" "	est. 6		2.75
E. Crk	elev	5.23	2.72
" "	est. 6		2.75

2+75

E Crk	elev	5.60	2.35
" "	est. 6		2.37
W. "	elev	5.62	2.33
" "	est. 6		2.37

7.95

3+0 = N.L. "J" St

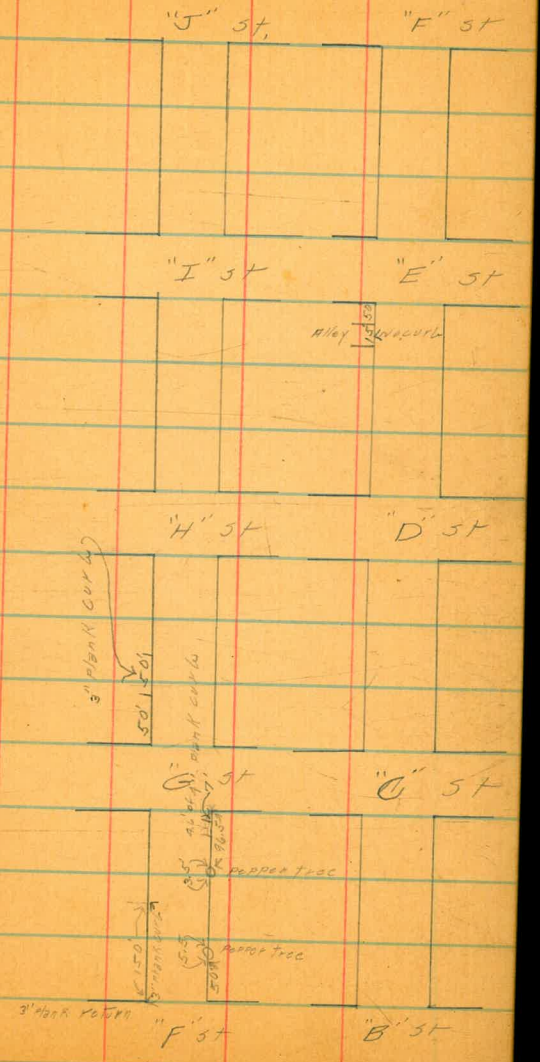
N. Ctr.	elev	5.95	2.00
" "	est. 6		2.00
E "	elev	5.89	2.06
" "	est. 6,		2.00

See Page 30

POSTED

Location of points where curb is not constructed

30



x-section of Robinson & 9th St. see sketch opp. page

6/28 Dunkle
251.22 log Thurre
252.22 Dizzie

B.M. hub S.W. cor Robinson & 9th St.

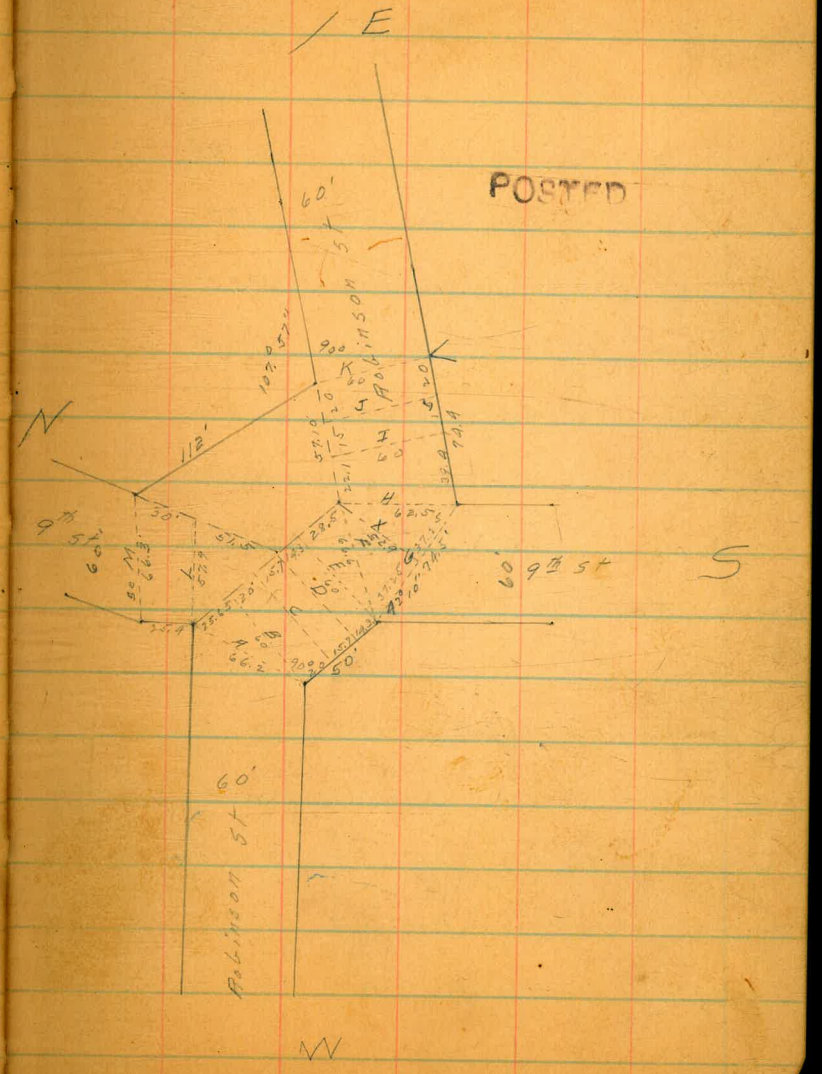
B.M. 10.34 262.56

X-sec. A

0+0 = S.L. Robinson	1.0	261.6
0+7	4.1	258.5
0+10	13.9	248.7
0+28	12.3	250.3
0+40	17.9	244.9
0+50	19.2	243.4
0+66.2	25.1	237.5

POSTED

Sketch showing proposed change of intersection of 9th & Robinson also x-sections.



POSTED

262.56

x-section B

0+0 = S.L. Robinson	1.1	266.6
0+8	4.2	258.4
0+11	13.9	248.7
0+30	13.9	248.7
0+40	15.1	247.5
0+50	18.9	243.7
0+60	24.3	238.3

x-sect C

0+0 = S.L. Rob	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

267.56

x-sec. D

0+0 = S.L. Rob	5.9	256.7
0+12	9.7	252.9
0+15	17.5	245.1
0+33	76.9	245.7
0+40	20.9	241.7
0+50	29.2	238.4
0+60	26.3	236.3

POSTED

x-sec E

0+0 = S.L. Rob	10.3	252.3
0+9	13.2	249.4
0+13	19.2	243.4
0+29	18.9	243.7
0+40	23.3	239.3
0+50	25.4	237.2
0+60	26.6	236.0

262.56

x-sect. F.

0+0=S.L. Rob	10.3	252.3
0+8	13.7	248.9
0+13	19.5	243.1
0+28	20.1	242.5
0+40	23.8	238.8
0+50	26.0	236.6
0+66.6	28.0	234.6

x-sec. G

0+0=W.L. 9th	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+74.5	31.1	231.5

262.56

x-sec X

0+0=S.L. Rob	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+52.9	28.0	234.6

x-sec H

0+0=S.L. Rob	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+62.5	28.0	234.6 ✓

262.5C

x-sec I

0+0=S.L. Robinson	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-sec J

0+0=S.L. Rob	23.3	239.3
0+10.	25.1	237.5
0+20	26.3	236.3
0+30	26.2	236.4
0+35	22.3	240.3
0+50	24.2	238.4
0+60	23.8	238.8 ✓

x-sec K

0+0=S.L. Rob	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-sec L

0+0=W.L. 9th St	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

262.56

X-sec M.

0+0 = W.L. 9th St	22.9	239.7
0+10	23.3	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+66.3	12.9	249.7

x-sec. Emerald St Broadway to Lamont St 6/30/09 Dunkle
Emerald 80' wide 20' sidewalks Shaw
B.M. brass plg con. Mon N.E. Diamond & Izard 85.28 Dizick

B.M.	2.83	88.11			
T.P.	7.01	83.94	11.18	76.93	
	E.L. Broadway				
N			6.7	76.2	
Crb			7.4	76.5	
1/4			7.6	76.3	
M			8.0	75.9	
1/4			8.0	75.9	
Crb			8.3	75.6	
S			8.9	75.0	
		0+25 W			
S			8.8	75.1	
Crb			8.6	75.3	
1/4			8.0	75.9	
M			7.5	76.4	
1/4			7.3	76.6	
Crb			7.2	76.7	
N			6.3	77.6	

POSTED

		0+50			
N			5.9	78.0	
Crb			6.7	77.2	
1/4			7.0	76.9	
M			7.4	76.5	
1/4			7.5	76.4	
Crb			8.1	75.8	
S			8.3	75.6	
		0+75			
S			8.1	75.8	
Crb			7.9	76.0	
1/4			7.0	76.9	
M			7.2	76.7	
1/4			6.2	77.7	
Crb			6.3	77.6	
N			5.5	78.4	

83.94

1+00

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

1+25

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

1+50

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

1+75

S	7.3	76.6
Crk	6.7	77.2
"A	5.9	76.0
M	5.7	78.2
"A	5.0	78.9
Crk	5.2	78.7
N	4.5	79.4

83.94

2+00

N	3.9	80.0
Crk	4.6	79.3
1/4	4.8	79.1
M	5.6	78.3
1/4	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
1/4	5.2	78.7
M	5.2	78.7
1/4	4.3	79.6
Crk	4.2	79.7
N	3.7	80.2

2+50

N	3.3	80.6
Crk	3.8	80.1
1/4	4.0	79.9
M	4.9	79.0
1/4	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
1/4	4.5	79.4
M	4.5	79.4
1/4	3.6	80.3
Crk	3.5	80.4
N	2.9	81.0

		83.94		
		3+00		
N			2.7	81.2
Crk			3.3	80.9
"/4			3.5	80.6
M			4.3	79.6
"/4			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
"/4			4.2	79.7
M			4.3	79.6
"/4			3.3	80.6
Crk			3.2	80.7
N			2.6	81.3

		3+50		
N			2.5	81.4
Crk			3.1	80.8
"/4			3.5	80.4
M			4.1	79.8
"/4			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
"/4			4.0	79.9
M			4.1	79.8
"/4			3.2	80.7
Crk			3.2	80.7
N			2.9	80.5
T.P.	3.94	85.68	2.20	81.74

85.68

4+0

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

4+25

S	6.6	79.1
Crk	6.4	79.3
"A"	5.4	80.3
M	5.3	80.4
"A"	4.6	81.1
Crk	4.5	81.2
N	3.8	81.9

4+50

N	3.6	82.2
Crk	4.3	81.4
"A"	5.0	80.7
M	5.6	80.1
"A"	5.9	79.8
Crk	6.1	79.6
S	6.3	79.4

4+75

S	6.7	79.5
Crk	5.8	79.9
"A"	5.5	80.2
M	5.1	80.6
"A"	4.8	80.9
Crk	4.1	81.6
N	3.3	82.4

POSTED

85.68

5+0

N	3.0	82.7
Crk	3.9	81.8
1/4	4.9	80.8
M	5.2	80.5
1/4	5.4	80.3
Crk	5.8	79.9
S	6.0	79.7

5+20 = W.L. Jewell St 80' wide 20' sdn

S	5.6	80.1
Crk	5.8	79.9
1/4	5.7	80.0
M	4.9	80.8
1/4	5.0	80.7
Crk	3.9	81.8
N	3.0	82.7

W. Curb

N	3.8	81.9
Crk	4.7	81.0
1/4	5.0	80.7
M	5.5	80.2
1/4	5.8	79.9
Crk	6.0	79.7
S	6.0	79.7

W. 1/4

S	6.1	79.6
Crk	5.9	79.8
1/4	5.5	80.2
M	5.2	80.5
1/4	4.8	80.9
Crk	4.5	81.2
N	3.9	81.8

95.68

Center

N	3.9	81.8
crb	4.9	81.3
"g	4.7	81.0
M	5.1	80.6
"g	5.4	80.3
crb	5.8	79.9
S	6.0	79.7

E "g

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

E. Curb

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

E/L Jewell St

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

85.68

Note: Emerald graded from Jewell to Lamont

0725 E of Jewell

N	3.2	82.5
crk	3.7	82.0
gtr	4.5	81.2
"4	4.3	81.4
M	4.9	80.8
"4	5.2	79.9
gtr	6.4	79.3
crk	5.6	80.1
S	5.5	80.2

0750

S	5.3	80.4
crk	5.6	80.1
gtr	6.2	79.5
"4	5.6	80.1
M	4.6	81.1
"4	4.5	81.2
gtr	4.6	81.1
crk	3.5	82.2
N	3.2	82.5

0795

N	3.7	82.5
crk	3.5	82.2
gtr	4.2	81.5
"4	4.2	81.5
M	4.6	81.1
"4	5.6	80.1
gtr	6.1	79.6
crk	5.4	80.3
S	5.3	80.4

1760

S	5.0	80.7
crk	5.3	80.4
gtr	6.0	79.7
"4	5.4	80.3
M	4.4	81.3
"4	4.2	81.5
gtr	4.1	81.6
crk	3.2	82.5
N	2.9	82.8

POSTED

85.68

1+25

N	2.8	82.9
crk	3.2	82.5
gtr	3.9	81.8
1/4	4.1	81.6
M	4.3	81.4
1/4	5.1	80.6
gtr	5.7	80.0
crk	5.1	80.6
S	4.7	81.0

1+50

S	4.7	81.0
crk	5.0	80.7
gtr	5.7	80.0
1/4	5.0	80.7
M	4.1	81.6
1/4	3.9	81.8
gtr	3.8	81.9
crk	3.0	82.7
N	2.7	83.0

1+75

N	2.5	83.2
crk	2.8	82.7
gtr	3.5	82.2
1/4	3.7	82.0
M	3.9	81.8
1/4	4.7	81.0
gtr	5.7	80.0
crk	4.5	80.9
S	4.4	81.3

2+00

S	4.4	81.3
crk	4.7	81.0
gtr	5.1	80.6
1/4	4.4	81.3
M	3.7	82.0
1/4	3.4	82.3
gtr	3.4	82.3
crk	2.6	83.1
N	2.4	83.3

85.68

2+25

N				
crk			1.8	83.9
gtr			2.0	83.7
			2.6	83.1
1/4				
			2.9	82.8
M				
			3.1	82.7
1/2				
gtr			3.8	81.9
crk			4.5	81.3
			4.0	81.7
S				
			3.6	82.1
T. P.	12.09	94.58	3.49	82.19

2+50

S				
crk			12.0	82.6
gtr			12.2	82.4
			12.9	82.2
1/4				
			12.2	82.4
M				
			11.5	83.1
1/4				
gtr			11.2	83.4
crk			11.0	83.6
			10.3	84.3
N				
			10.0	84.6

2+75

N				
crk			9.2	85.4
gtr			9.5	85.1
			10.1	84.5
1/4				
			10.5	84.1
M				
			10.6	84.0
1/2				
gtr			11.5	83.1
crk			11.8	82.8
			11.5	83.1
S				
			11.3	83.3

3+0

S				
crk			10.5	84.1
gtr			10.8	83.8
			11.2	83.4
1/4				
			10.8	83.8
M				
			9.8	84.8
1/4				
gtr			9.4	85.2
crk			9.9	84.7
			8.5	86.1
N				
			8.4	86.2

94.58

3+25

N	7.4	87.2
crk	7.8	86.8
gtr	8.7	85.9
W	8.6	86.0
M	9.0	85.6
W	9.9	84.7
gtr	10.3	84.3
crk	10.0	84.6
S	9.8	84.8

3+50

S	9.1	85.5
crk	9.2	85.4
gtr	9.9	84.7
W	9.2	85.4
M	8.2	86.4
W	7.8	86.8
gtr	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
gtr	7.1	87.5
W	7.2	87.4
M	7.6	87.0
W	8.5	86.1
gtr	9.6	85.0
crk	9.5	85.1
S	8.3	86.3

POSTED

4+0

S	7.6	87.0
crk	7.9	86.7
gtr	8.7	85.9
W	7.9	86.7
M	6.9	87.7
W	6.9	88.2
gtr	6.5	88.1
crk	5.5	89.1
N	5.0	9.6

94.58

4+25

N	1.4	90.2
crk	4.7	89.9
gte	5.6	89.0
¼	5.5	89.1
M	5.8	88.8
¼	6.8	87.8
gte	7.8	86.8
crk	7.1	87.5
S	6.8	87.8

4+50

S	6.0	88.6
crk	6.3	88.3
gte	7.2	87.4
½	6.2	88.4
M	5.2	89.4
¼	4.7	89.9
gte	4.9	89.7
crk	3.5	90.8
N	3.5	91.1

4+75

N	2.6	92.0
crk	3.0	91.6
gte	3.7	90.9
¼	3.9	90.7
M	4.2	90.4
¼	5.4	89.2
gte	6.1	88.5
crk	5.6	89.0
S	5.1	89.5

5+0

S	4.4	90.2
crk	4.9	89.7
gte	5.7	88.9
½	4.7	89.9
M	3.4	91.2
¼	3.1	91.5
gte	2.7	91.9
crk	2.2	92.4
N	1.9	92.7

		94.58		
		5+25		
N			1.1	93.5
crk			1.4	93.2
gte			2.4	92.2
⅓			2.2	92.4
M			2.9	91.7
⅓			4.1	90.5
gte			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
⅓			3.3	91.3
M			2.0	92.6
⅓			1.3	93.3
gte			1.5	93.1
crk			0.6	94.0
N			0.5	94.1
T. P.	8.13	102.49	0.22	94.36

		5+75		
N			7.5	95.0
crk			7.8	94.7
gte			8.7	93.8
⅓			8.8	93.7
M			9.2	93.3
⅓			10.3	92.2
gte			11.3	91.2
crk			10.7	91.8
S			10.3	92.2
		6+0		
S			10.0	92.5
crk			10.3	92.2
gte			11.0	91.5
⅓			10.2	92.3
M			8.8	93.7
⅓			8.4	94.1
gte			8.3	94.2
crk			7.4	95.1
N			7.1	95.4

102.49

6425

N	7.0	95.5
ene	7.1	95.4
ese	7.9	94.6
W	8.0	94.5
NW	8.3	94.2
W	9.5	93.0
ese	10.6	91.9
ene	9.7	92.8
S	9.4	93.1

6450

S	8.9	93.6
ene	9.2	93.3
ese	10.3	92.3
W	9.0	93.5
NW	8.0	94.5
W	7.6	94.9
ese	7.7	94.8
ene	6.9	95.6
N	6.7	95.8

6475

N	6.3	96.2
ene	6.6	95.9
ese	7.3	95.2
W	7.3	95.2
NW	7.6	94.9
W	8.5	94.0
ese	9.6	92.6
ene	8.7	93.8
S	8.5	94.0

7+0

S	8.0	94.5
ene	8.4	94.1
ese	9.1	93.4
W	8.4	94.1
NW	7.6	94.9
W	7.2	95.3
ese	7.0	95.5
ene	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

7+50

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
g'te	5.4	97.1
1/4	5.1	97.4
M	5.1	97.4
1/4	5.9	96.6
g'te	6.8	95.7
crk	5.9	96.6
S	5.6	96.9

8+50

S	5.1	97.4
crk	5.4	97.1
g'te	6.3	96.2
1/4	5.5	97.0
M	4.7	97.8
1/4	4.7	97.8
g'te	4.8	97.7
crk	4.1	98.4
N	3.7	98.8

8+75

N	3.4	99.1
crk	3.7	98.8
g'te	4.4	98.1
1/4	4.4	98.1
M	4.2	98.3
1/4	5.0	97.5
g'te	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
g'te	5.4	97.1
1/4	4.5	98.0
M	4.0	98.5
1/4	4.0	98.5
g'te	4.0	98.5
crk	3.3	99.2
N	2.9	99.6

102.99

9+75

N crb gte	2.6	99.9
	3.1	99.4
	3.8	98.7
1/4	3.7	98.8
M	3.4	99.1
1/4 gte crb	3.9	98.6
	5.0	97.5
	3.9	98.6
S	3.5	99.0

9+50

S crb gte	3.2	99.3
	3.5	99.0
	4.5	98.0
1/4	3.5	98.7
M	3.2	99.3
1/4 gte crb	3.4	99.1
	3.5	99.0
	2.7	99.8
N	2.4	100.1

9+75

N crb gte	2.1	100.4
	2.3	100.2
	3.1	99.4
1/4	3.2	99.3
M	2.8	99.7
1/4 gte crb	3.7	98.8
	3.9	98.6
	3.2	99.3
S	2.8	99.7

POSTED

10+0

S crb gte	2.4	100.1
	2.7	99.8
	3.4	99.1
1/4	3.2	99.3
M	2.4	100.3
1/4 gte crb	2.7	99.8
	2.7	99.8
	1.9	100.6
N	1.6	100.9

102.49

10+25

N	1.2	101.3
crk	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
crk	2.3	100.2
S	2.2	100.3

10+50

S	1.8	100.7
crk	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
crk	0.9	101.6
N	0.7	101.9

10+80 = W. J. Lamont

N	0.2	102.8
crk	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
crk	1.6	100.9
S	1.5	101.0

POSTED

x-sec Beryl St Lamont to Jewell				6/30/09	Dunkle
Beryl 80' wide 20' side walks					Shaw
B.M. spk. Tel. pole N.E. Law st & Lamont				143.13	Dezjel
B.M.	10.32	153.45			
T.P.	12.56	165.86	0.15	153.30	
		W.L. Lamont			
N			0.1	165.8	
Crb			1.1	164.8	
+2					
1/4			3.9	162.0	
+3			3.7	162.2	
+5			1.4	164.0	
M			1.5	164.4	
1/4			1.8	164.1	
Crb			2.2	163.7	
S			3.7	162.2	
T.P.	6.13	170.93	1.06	164.80	

POSTED

		0+25' W of Lamont		
S			8.0	162.9
Crb			6.4	164.5
1/4			5.8	165.1
M			5.4	165.5
1/4			6.3	164.6
Crb			6.2	164.7
N			4.5	166.4
		0+50		
N			4.1	166.8
Crb			5.5	165.4
1/4			5.8	165.1
M			5.2	165.7
1/4			5.6	165.3
Crb			6.2	164.7
S			7.8	163.1

170.93

0+75

S	7.8	163.1
Crb	6.3	164.6
1/4	5.7	165.2
M	4.7	166.2
1/4	5.6	165.3
Crb	5.2	165.7
N	2.8	168.1

1+00

N	2.5	168.4
Crb	5.4	165.5
1/4	5.7	165.2
M	5.1	165.8
1/4	6.2	164.7
Crb	6.7	164.2
S	8.0	162.9

1+25

S	7.9	163.0
Crb	7.6	163.3
1/4	7.4	163.5
M	7.2	163.7
1/4	7.5	163.4
Crb	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
Crb	8.0	162.9
1/4	9.1	161.8
M	8.8	162.1
1/4	9.0	161.9
Crb	9.1	161.8
S	8.9	162.0

170.93		
1+75		
S	12.8	158.1
Crb	11.5	159.4
"A	11.1	159.8
M	10.6	160.3
"9	10.2	160.7
+8	9.6	161.3
Crb	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	6.7	164.2
+16	7.2	163.7
Crb	9.5	161.4
"9	10.2	160.7
M	10.9	160.0
"4	11.3	159.6
Crb	11.8	159.1
S	13.0	157.9

2+25		
S	13.1	157.8
Crb	11.9	159.0
"9	11.0	159.9
M	10.2	160.7
"9	9.5	161.4
Crb	8.7	162.2
N	8.0	162.9
2+50		
2+50 +		
N	6.2	164.7
Crb	7.6	163.3
"9	8.2	162.7
M	8.7	162.2
"9	9.5	161.4
Crb	9.9	161.0
S	12.3	158.6

170.93

2+75

S		8.1	162.8
Crk		9.3	161.6
"4		7.8	163.1
M		7.0	163.9
"9		6.7	164.2
Crk		6.2	164.7
N		5.2	165.7

3+00

N		2.3	168.6
Crk		4.5	166.4
"9		5.2	165.7
M		6.0	164.9
"9		6.7	164.2
Crk		7.1	163.8
S		8.4	162.5

3+25

S		7.4	163.5
Crk		5.9	165.0
"9		5.5	165.4
M		4.6	166.3
"9		3.6	167.3
Crk		3.4	167.5
N		0.8	170.1
T.P.	9.16	177.70	2.39	168.54

3+50

N		7.1	170.6
Crk		8.7	169.0
"9		9.6	168.1
M		10.8	166.9
"9		11.6	166.1
Crk		12.1	165.6
S		14.1	163.6

177.70

3+75

S	13.4	164.3
Crk	11.2	166.5
"/	10.6	167.1
M	9.8	167.9
"/	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
"/	7.3	170.4
M	8.5	168.9
"/	9.8	167.9
Crk	10.3	167.4
S	12.3	165.4

4+25

S	11.3	166.4
Crk	9.2	168.5
"/	8.4	169.3
M	7.2	170.5
"/	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
"/	6.1	171.6
M	7.1	170.6
"/	7.7	170.0
Crk	8.5	169.2
S	10.8	166.9

177.90

4+75

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

5+00 = E.L. Kendall St.

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

E Curb

S	10.4	167.3
Crk	8.1	169.6
"4	6.7	171.0
M	5.6	172.1
"4	5.1	172.6
Crk	3.9	173.8
N	2.1	175.6

E "4

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

POSTED

177.70

Center

S	9.6	168.1
Crk	7.8	169.9
1/4	6.3	171.4
M	5.0	172.7
1/4	4.6	173.1
Crk	3.2	174.5
N	1.6	176.1

W 1/4

N	1.3	176.4
Crk	2.7	175.0
1/4	4.1	173.6
M	4.5	173.2
1/4	5.8	171.9
Crk	7.5	170.2
S	9.0	168.7

177.7

W Crk

S	9.6	168.1
Crk	7.1	170.6
1/4	5.2	172.5
M	4.3	173.4
1/4	3.6	174.1
Crk	2.3	175.4
N	1.1	176.6

W 1/4

N	0.8	176.9
Crk	2.6	175.1
1/4	3.5	174.2
M	5.3	172.4
1/4	5.6	172.1
Crk	7.3	170.4
S	9.8	168.5

177.70

0+25 W

S	11.0	166.7
Crk	9.3	168.4
1/4	7.9	169.8
M	7.3	170.4
1/4	5.4	172.3
Crk	4.2	173.5
N	2.6	175.1

0+50

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

177.70

0+75

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

1+0

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

		177.70		
		1425		
S			16.4	161.3
Crk			13.9	163.8
1/4			12.5	165.2
M			10.9	166.8
1/4			9.7	168.0
Crk			8.8	168.9
N			7.9	169.8
T. P.	7.63	170.98	9.35	168.35
		1450		
N			7.6	168.4
Crk			3.5	167.5
1/4			4.5	166.5
M			5.5	165.5
1/4			7.3	163.7
Crk			9.0	162.0
S			10.6	160.4

		170.98		
		1425		
S			11.9	159.1
Crk			9.9	161.1
1/4			8.2	162.8
M			7.2	163.8
1/4			5.8	165.2
Crk			4.8	166.2
N			3.9	167.1
		1450		
N			5.9	165.1
Crk			7.1	163.9
1/4			7.5	163.5
M			8.9	162.1
1/4			9.8	161.2
Crk			11.9	159.1
S			13.6	157.4

	170.98		
	2+25		
S		14.9	156.1
Crk		13.2	157.8
1/4		12.2	158.8
M		11.5	159.5
1/4		10.9	160.1
Crk		10.1	160.9
N		8.2	162.8
	2+50		
N		6.3	164.7
Crk		8.3	162.7
1/4		9.8	161.2
M		11.2	159.8
1/4		12.6	158.4
Crk		14.2	156.8
S		14.7	156.3

	170.98		
	2+75		
S		15.0	156.0
Crk		11.7	159.3
1/4		10.5	160.5
M		9.5	161.5
1/4		8.2	162.8
Crk		7.0	164.0
N		4.6	166.4
	3+0		
N		3.7	167.3
Crk		5.5	165.5
1/4		6.8	164.2
M		8.5	162.5
1/4		9.3	161.7
Crk		10.5	160.5
S		12.8	158.2

170.98

3+25

S	11.7	159.3
Crk	9.2	161.8
½	7.7	162.3
M	6.6	164.4
½	5.1	165.9
Crk	4.2	166.8
N	2.1	168.9

3+50

N	1.2	169.8
Crk	3.2	167.8
½	4.4	166.6
M	5.6	165.4
½	7.1	163.9
Crk	8.4	162.6
S	11.8	159.2

170.98

3+75

P 1

S	11.7	159.3
Crk	7.5	163.5
½	6.2	164.8
M	4.7	166.3
½	3.5	167.5
Crk	2.8	168.2
N	1.6	169.4

4+0

N	2.6	168.4
Crk	3.4	167.6
½	4.1	166.9
M	5.2	165.8
½	6.6	164.4
Crk	7.9	163.1
S	12.0	159.0

170.98

4+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

4+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

4+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+00 = E. L. Jewell

N	3.9	167.1
Crk	6.2	164.8
"A	8.1	162.9
M	9.7	161.3
"A	11.0	160.0
Crk	12.5	158.5
S	14.9	156.1

POSTED

x-section Valley Place 28th to 29th St 7/17/09 Drinkle
" " 40' wide Shaw
B.M. SPK Tel Pole S.E. 29th & Webster 72.04 Dzyid

B.M.	2.58	74.62			
	E.L. 28th St				
N			6.0	68.6	
Crb			5.9	68.7	
1/4			5.9	68.7	
M			6.0	68.6	
1/4			5.8	68.8	
Crb			5.7	68.9	
S			5.7	68.9	
		0+25 E			
S			5.5	69.1	
Crb			6.0	68.6	
1/4			5.9	68.7	
M			5.9	68.7	
1/4			5.5	69.1	
Crb			5.6	69.0	
N			5.6	69.0	

POSTED

		74.62			
		0+50			
N			5.3	69.3	
Crb			5.4	69.2	
1/4			5.3	69.3	
M			5.9	68.7	
1/4			5.7	68.9	
Crb			5.7	68.9	
S			5.7	68.9	
		0+75			
S			5.4	69.2	
Crb			5.5	69.1	
1/4			5.5	69.1	
M			5.6	69.0	
1/4			5.3	69.3	
Crb			5.4	69.2	
N			5.4	69.2	

POSTED

74.62

1+00

N	5.1	69.5
Crk	5.2	69.4
1/4	5.0	69.6
M	5.0	69.6
1/4	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
1/4	5.1	69.5
M	4.8	69.8
1/4	4.8	69.8
Crk	5.0	69.6
N	5.0	69.6

74.62

1+50

N	5.0	69.6
Crk	5.0	69.6
1/4	5.1	69.5
M	5.0	69.6
1/4	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
1/4	5.1	69.5
M	5.0	69.6
1/4	5.0	69.6
Crk	5.0	69.6
N	5.0	69.6

74.62

2+00

N	5.0	69.6
Crk	5.0	69.6
1/4	5.2	69.4
M	5.0	69.6
1/4	5.1	69.5
Crk	5.0	69.6
S	4.8	69.8

2+25

S	4.9	69.7
Crk	5.0	69.6
1/4	5.0	69.6
M	5.1	69.5
1/4	5.1	69.5
Crk	5.3	69.3
N	4.9	69.7

74.62

2+50

N	4.9	69.7
Crk	4.8	69.8
1/4	5.0	69.6
M	5.0	69.6
1/4	5.1	69.5
Crk	4.8	69.8
S	4.8	69.8

2+75

S	4.5	70.1
Crk	4.5	70.1
1/4	4.7	69.9
M	4.8	69.8
1/4	4.9	69.7
Crk	4.7	69.9
N	4.7	69.9

74.62

3+0

N	4.5	70.1
Crk	4.9	69.7
1/4	4.7	69.9
M	4.5	70.1
1/4	4.5	70.1
Crk	4.0	70.6
S	3.2	71.4

3+25

S	4.2	70.4
Crk	4.1	70.5
1/4	4.3	70.3
M	4.5	70.1
1/4	4.5	70.1
Crk	4.8	69.8
N	4.3	70.3

74.62

3+50

N	4.4	70.2
Crk	4.4	70.2
1/4	4.3	70.3
M	4.4	70.2
1/4	4.2	70.4
Crk	3.9	70.7
S	3.9	70.7

3+75

S	3.7	70.9
Crk	4.2	70.4
1/4	4.4	70.2
M	4.5	70.1
1/4	4.4	70.2
Crk	4.4	70.2
N	4.4	70.2

74.62

4+00

N	4.3	70.3
Crb	4.8	69.8
1/4	4.9	69.7
M	4.9	69.7
1/4	4.7	69.9
Crb	4.3	70.3
S	4.0	70.6

4+25

S	4.6	70.0
Crb	4.6	70.0
1/4	4.9	69.7
M	4.9	69.7
1/4	4.9	69.7
Crb	4.9	
N	4.6	

4+50

N	4.5
Crb	4.9
1/4	4.9
M	4.9
1/4	4.9
Crb	5.0
S	4.7

4+75

S	4.8
Crb	4.7
1/4	4.8
M	4.8
1/4	4.8
Crb	4.8
N	4.6

74.62

5+0

N	4.8
Crk	4.9
11/4	4.9
M	4.9
11/4	4.9
Crk	4.8
S	4.6

5+25

S	4.6
Crk	4.8
11/4	4.8
M	4.9
11/4	4.9
Crk	4.9
N	5.0

5+50

N	4.8
Crk	4.8
11/4	4.7
M	4.7
11/4	4.9
Crk	4.7
S	4.7

5+70 = x-sec "A" see plot P.72

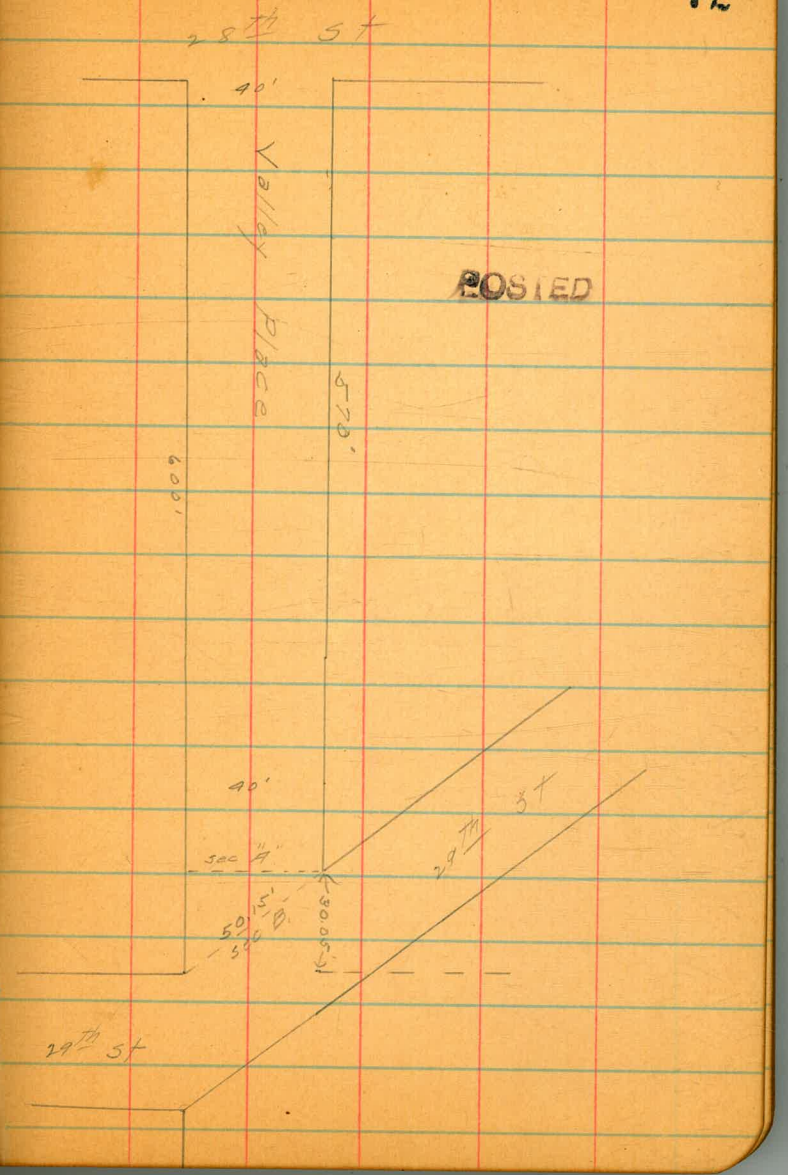
S	4.9
Crk	4.9
11/4	4.8
M	4.9
11/4	4.9
Crk	4.9
N	4.8

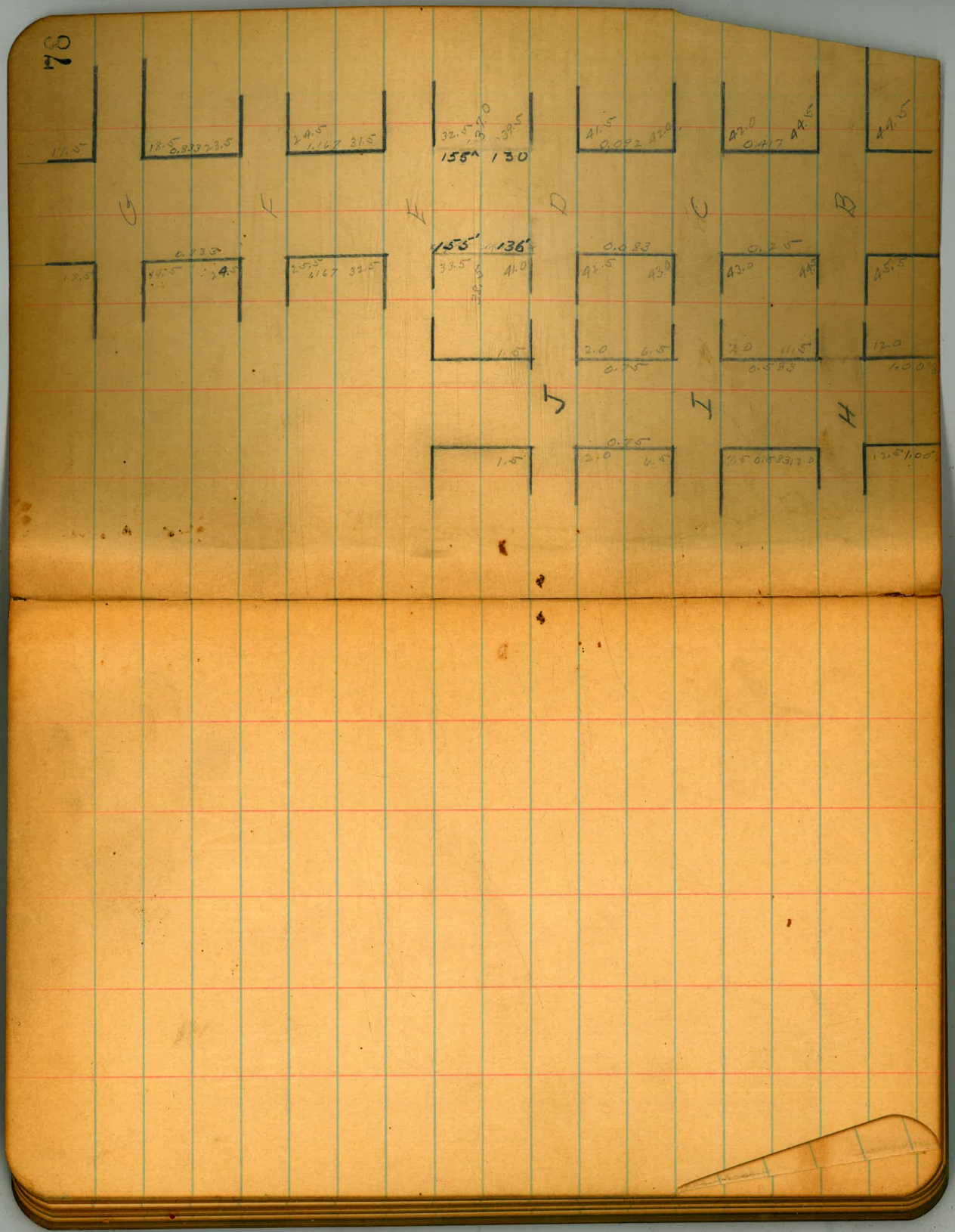
74.62

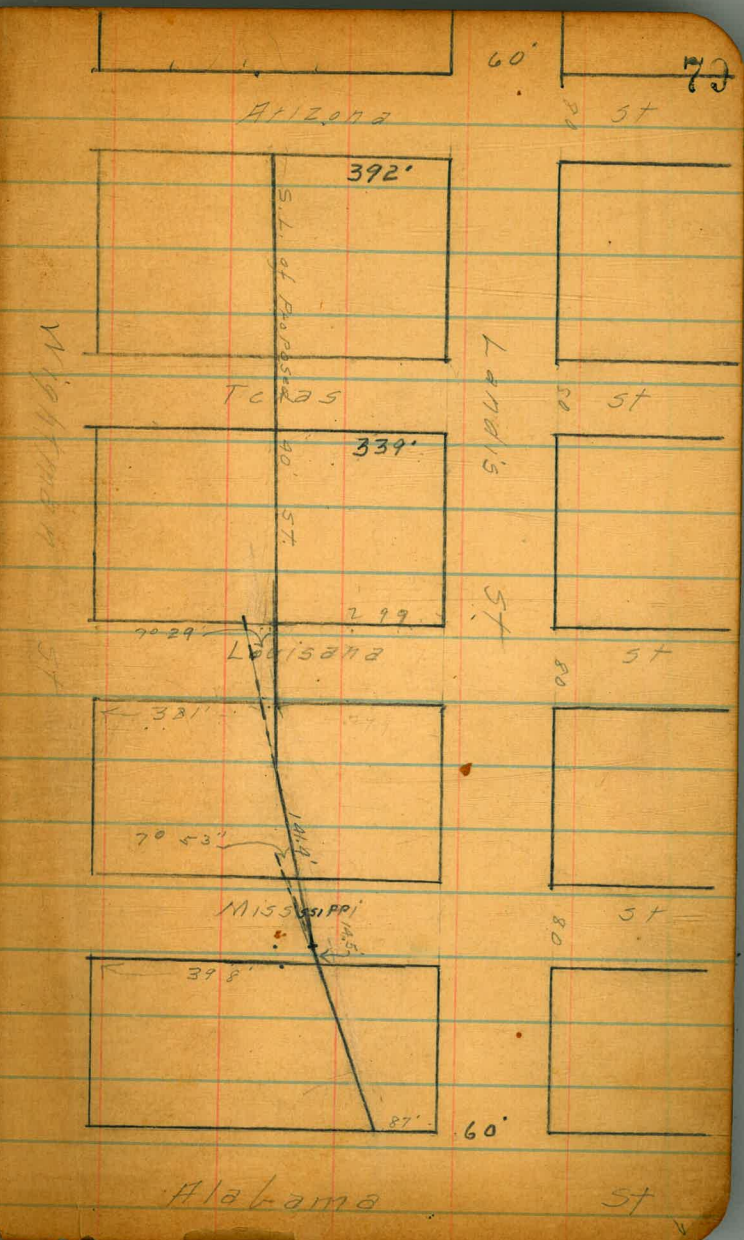
X-Sec "B" Sec Plot

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

POSTED

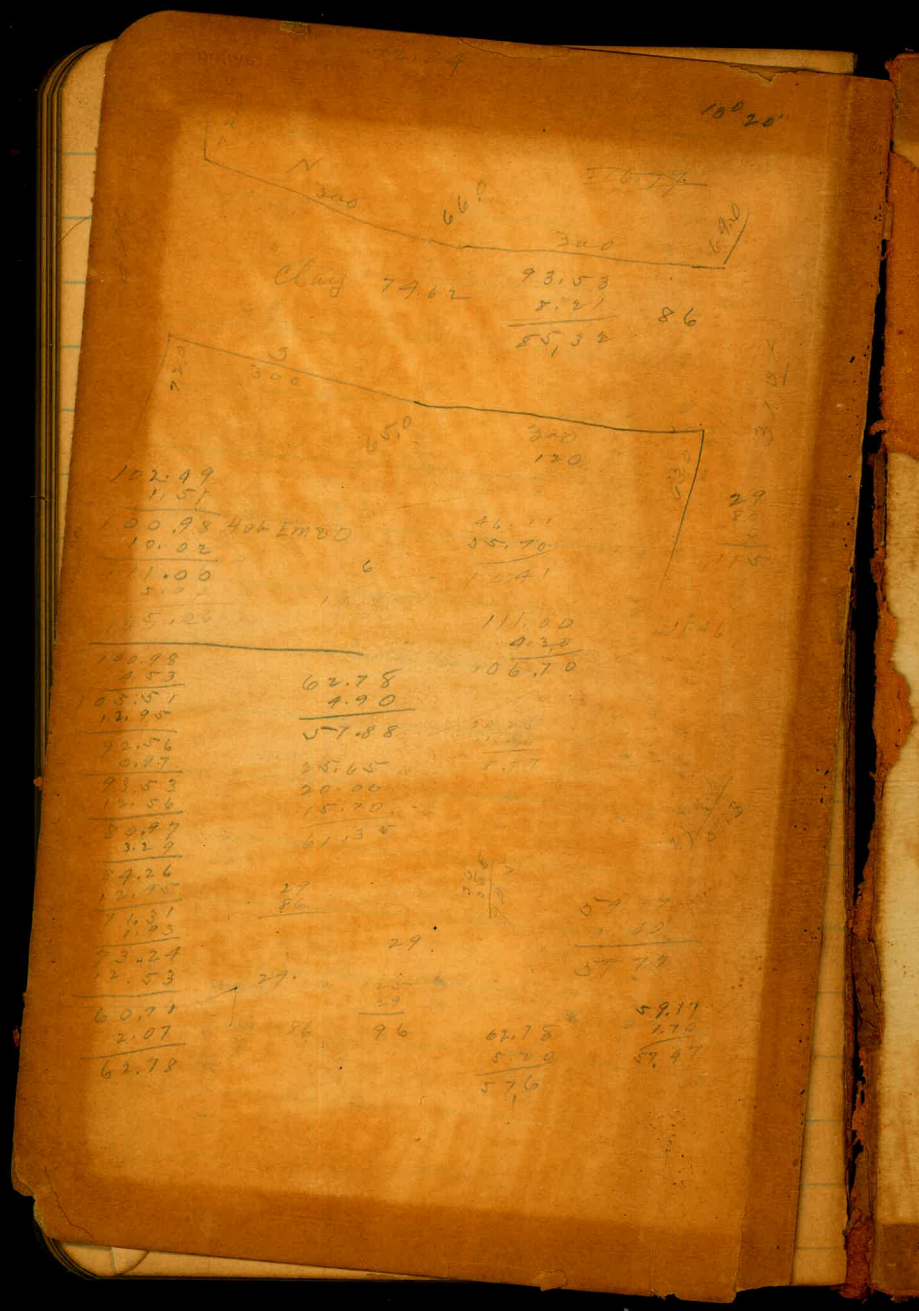



78
155' 130
155' 136'
G
F
E
D
C
B
J
I
H


60'
Atizona St
392'
S.L. of Proposed 40' St.
Tcias St
339'
Landis St
Wightman St
Louisana St
381'
7° 53"
Mississippi St
39 8'
87'
60'
Alabama St

#400

170,98
4.30



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TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	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.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees
	DEGREES		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		