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

480

400

LEVEL

F.B. 480

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

MICROFILMED DEC 1964

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
°		°		°		°	
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

FROM
Loring's Book Store
From Loring & Co's Book Store

0.07
4.71

X-section 9th St from 10th to Robinson
" " 60' wide
see plot page 2

Dunkle
Shane
Dezel

1 2

B.M. brass plg 10th & University				282.08	
B.M.	0.39	282.47			
T.P.	0.92	271.00	12.39	270.08	
T.P.	4.00	266.93	8.07	262.93	[illegible]

X-sec A. = W.L. 10th

N			4.0	262.9	
crb			6.8	260.1	
1/4			9.5	257.4	
M			12.1	254.8	
1/4			10.3	256.6	
crb			5.0	251.9	
S			0.7	266.2	

POSTED

X-sec "B" = W.L. 10th on S. & 0+9.5 on N

S			0.7	266.2	
crb			5.0		
1/4			9.7		
M			13.4	253.5	
1/4			9.9		
crb			6.8		
N			4.3	262.6	

(Note) All sections taken at right angles

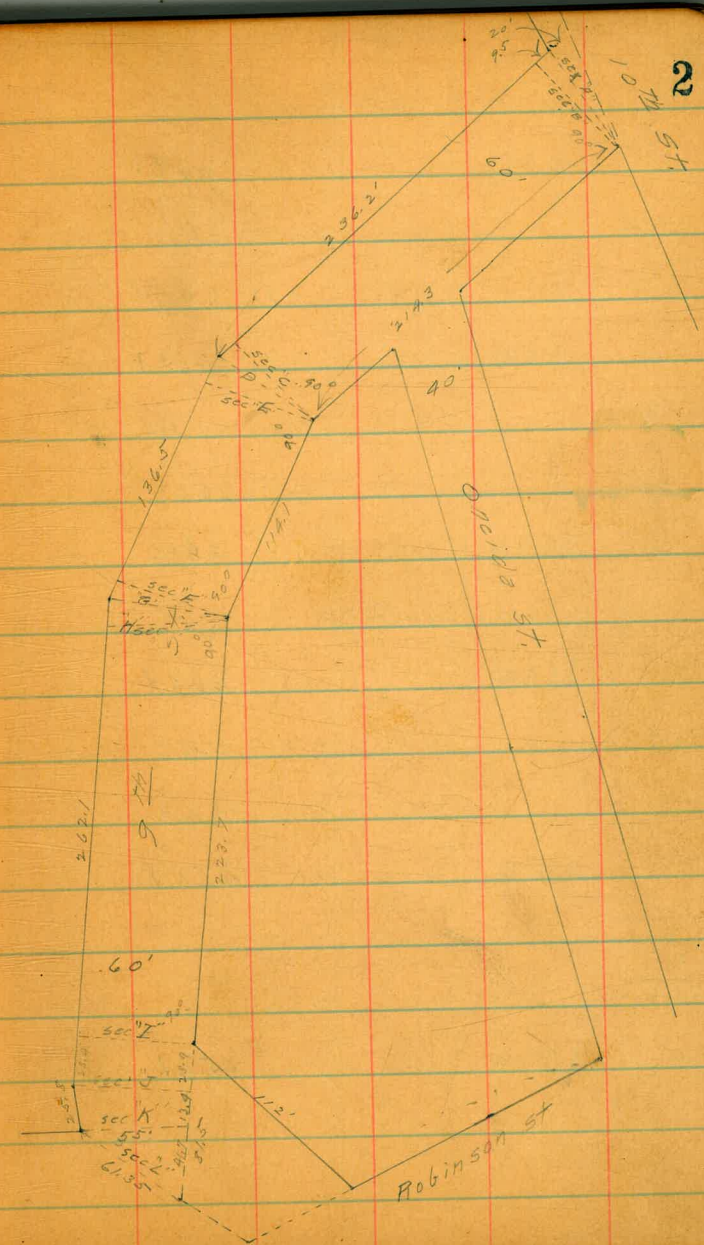
266.93

0+35 on 3.2 0+37.5 on N.L.

N	5.8	261.1
cut	9.3	257.6
"g	13.0	253.9
+ 4	13.7	253.2
M	12.5	254.4
"g	9.2	257.7
cut	5.1	261.8
S	1.7	265.2

0+59.5 N 0+50 S

S	1.5	265.4
cut	4.0	262.9
"g	8.7	258.2
M	13.0	253.9
"g	15.5	251.4
cut	10.7	256.2
N	7.4	259.5



266.93

0+75.5 0+84.5 N

N	8.4	258.5
crk	12.1	254.8
"9	15.9	251.0
M	13.2	253.7
"4	9.6	257.3
crk	5.8	261.1
S	2.3	264.6

1+0.5 1+09.5 N

S	4.0	262.9
crk	6.9	260.0
"9	10.7	256.2
M	14.1	252.8
"4	15.3	
+2	17.2	
crk	14.1	
N	9.8	257.1

1+34.5 N8 1+25.5

N	10.6	256.3
crk	14.7	
+5	18.0	
"9	17.4	
M	14.4	252.5
"4	11.7	
crk	8.2	
S	3.9	263.0

1+50.5 1+59.5 N

S	3.1	263.8
crk	7.2	
"9	10.9	
M	14.8	252.1
"4	17.1	
+4	18.2	
crk	15.5	
N	12.1	254.8

266.93

1+84^{5} N 1+75 S

N			13.8	253.1
crb			17.7	
+3			18.7	
1/4			17.4	
M			14.7	252.2
1/4			10.6	
crb			6.5	
S			1.8	265.1

2+05 2+09^{8} N

S			4.3	262.6
crb			7.3	
1/4			11.0	
M			12.3	254.6
1/4			18.0	
+6			20.0	
crb			19.3	
N			15.0	251.9

266.9

sec "C" = 2+23^{8} on N & 214^{3} S

N			12.0	254.9
crb			21.1	
1/4			18.7	
M			16.4	250.5
1/4			12.7	
crb			9.2	
S			5.6	261.3

sec "D" = 214^{3} S.L. & 2+36^{2} N

S			5.6	261.3
crb			9.5	
1/4			13.5	
M			16.7	250.2
1/4			19.2	
crb			21.5	
N			15.4	251.5

POSTED

		266.93		
x-sec "E" = 2+49.6 N 3214.3 S				
N			16.7	250.2
Crk			21.8	245.1
"9			18.8	248.1
M			16.6	250.3
"9			13.7	253.2
Crk			9.4	257.5
S			5.6	261.3
T.P.	1.56	261.37	7.12	259.81
2+39.3 S 2+74.6 N				
S			0.5	260.9
Crk			5.7	255.7
"9			9.8	251.6
M			12.3	249.1
"9			14.8	256.6
Crk			17.1	244.3
N			11.9	249.5

		261.37		
2+99.6 N 2 2+64.3 S.L.				
N			8.8	252.6
Crk			11.9	249.5
"9			15.4	246.0
+ 4			17.5	243.9
M			15.1	246.3
"9			12.8	248.6
Crk			9.2	252.2
S			4.6	256.8
2+89.3 S 2 3+21.6 N.L.				
S			7.6	253.8
Crk			10.9	250.5
"4			14.7	246.7
M			17.8	243.6
"9			14.2	247.2
Crk			11.2	250.2
N			8.4	253.0
T.P.	5.36	255.50	11.23	250.14

255.50

3+49 6/ N to 314 3/ S

N	4.2	251.3
Crb	6.3	249.2
"4	8.2	247.3
M	9.6	245.9
"4	11.8	243.7
Crb	8.6	246.9
S	5.7	249.8

1-sec "E" 3+28 5/5 to 3+63 3/ N

S	4.1	251.4
Crb	7.7	247.8
"4	12.1	243.4
M	11.0	244.5
"4	9.5	246.0
Crb	7.7	247.8
N	5.9	249.6

1-sec "G" - 3+73 4/ N.L. to 3+28 5/ S.L.

N	7.6	247.9
Crb	8.2	247.3
"4	10.3	245.2
M	12.0	243.5
"4	12.1	243.4
Crb	7.6	247.9
S	4.1	251.4

1-sec "H" - 3+83 6/ N.L. to 3+28 5/ S.L.

S	4.1	251.4
Crb	7.4	248.1
"4	11.4	244.1
+5	13.8	241.7
M	12.2	243.3
"4	11.2	244.3
Crb	9.5	246.0
N	8.9	246.6

355.50

4+08 6 N.L. & 3+53 5 S.L.

N	11.3	244.2
Crb	14.7	240.8
"4	12.7	242.8
M	11.0	244.5
"4	8.8	246.7
Crb	5.0	250.5
S	0.3	255.2

3+78 5 S & 4+33 6 N

S	1.1	254.5
Crb	4.9	250.6
"4	8.1	247.4
M	10.6	244.9
"4	12.6	242.9
Crb	13.9	241.6
N	11.4	244.1

4+58 6 N.L. & 4+03 5 S.L.

N	11.0	244.5
Crb	15.2	240.3
"4	13.3	242.2
M	12.3	243.2
"4	10.2	245.3
Crb	7.6	247.9
S	4.4	251.1

4+28 5 S.L. & 4+83 6 N.L.

S	7.6	247.9
Crb	10.5	245.0
"4	13.2	242.3
M	15.4	240.1
"4	15.1	240.4
Crb	12.9	243.1
N	9.7	245.8
T.P. 9.19	251.99	12.70	242.80

251.99

5+08 6 N.L. & 4+53 5 S

N	5.8	246.2
crk	9.4	242.6
1/4	10.8	241.2
M	12.3	239.7
+5	13.4	238.1
1/4	12.4	239.6
crk	9.0	243.0
S	5.4	246.6

4+28 5 S & 5+33 6 N

S	3.9	248.1
crk	8.7	243.3
1/4	14.4	237.6
M	12.1	239.9
1/4	10.8	241.2
crk	8.9	243.1
N	6.4	245.6

5+58 6 N.L. & 5+03 5 S.L.

N	6.8	245.2
crk	9.9	242.1
1/4	13.4	238.6
M	14.2	237.8
1/4	11.3	240.7
crk	6.1	.9
S	1.4	250.6

5+28 5 S.L. & 5+83 6 N.L.

S	1.3	250.7
crk	4.9	247.1
1/4	9.5	242.5
M	13.5	238.5
1/4	14.8	237.2
crk	13.0	239.0
N	9.2	242.8

X-sec "I" = 6+07 N.L. 8 5+52 S.L.

N	9.7	242.3
Crb	14.3	237.7
"9	15.2	236.8
M	12.7	239.3
"9	10.0	242.0
Crb	7.2	244.8
S	3.3	248.7

X-sec "J" = 5+80 S.L. & 6+35 on N.L.

S	9.4	242.6
Crb	11.2	240.8
"9	13.2	238.8
M	15.6	236.4
"9	15.4	236.6
Crb	15.3	236.7
N	13.3	238.7

X-sec "K"

N	15.2	236.8
Crb	15.9	236.6
"9	15.8	236.2
M	16.3	235.7
"9	15.1	236.9
Crb	13.3	238.7
S	11.4	240.6

X-sec "L" = N.L. Robinson

S	16.9	235.1
Crb	17.0	235.0
"9	16.5	235.5
M	15.9	236.1
"9	14.7	237.3
Crb	15.0	237.0
N	14.9	237.1

POSTED

x-section Kansas St. University to 7/29 Dunkle
UPAS " 80' wide 09 Shaw
B.M. R.R. SPK. N.E. University & Kansas 354.43 Dezeil

B.M.	3.41	357.54			
	S.L. University				
E			3.3	354.2	
Crb			3.5	354.0	
1/4			3.8	353.7	
M			4.0	353.5 POSTED	
1/4			4.5	353.0	
Crb			3.4	354.1	
W			3.7	353.8	
		0+25 S			
W			3.6	353.9	
Crb			3.6	353.9	
1/4			2.7	354.8	
M			3.3	354.2	
1/4			3.1	354.4	
Crb			3.0	354.5	
E			2.8	354.7	

		0+50			
E			2.3	355.2	
Crb			3.1	354.4	
1/4			2.9	354.6	
M			2.5	355.0	
1/4			3.0	354.5	
Crb			3.5	354.0	
W			3.9	353.6	
		0+75			
W			6.4	351.1	
Crb			5.3	352.2	
1/4			5.5	352.0	
M			5.1	352.4	
1/4			4.6	352.9	
Crb			5.0	352.5	
E			4.5	353.0	

357.59 Kansas

1+0		
E	4.5	353.0
crk	5.3	352.2
1/4	5.0	352.5
M	6.0	351.5
1/4	5.5	352.0
crk	6.0	351.5
W	7.2	350.3
1+25		
W	6.6	350.9
crk	7.5	350.0
1/4	5.9	351.6
M	6.3	351.2
1/4	5.2	352.3
crk	4.9	352.6
E	5.1	352.4
1+50		
E	5.8	351.7
crk	6.7	350.8
1/4	7.1	350.4
M	6.9	350.6
1/4	7.5	350.0
crk	7.8	349.7
W	7.5	350.0
1+75		
W	7.8	349.7
crk	8.0	349.5
1/4	7.7	349.8
M	7.9	349.6
1/4	6.8	350.7
crk	6.5	351.0
E	6.2	351.3

357.54 Kansas

2+0

E	7.5	350.0
crk	6.5	351.0
1/4	7.7	349.8
M	7.7	349.8
1/4	7.0	350.5
crk	8.1	349.4
W	8.3	349.2

2+25

W	8.9	348.6
crk	8.2	349.3
1/4	8.3	349.2
M	8.7	348.8
1/4	8.5	349.0
crk	8.1	349.4
E	8.0	349.5

2+50

E	6.7	350.8
crk	8.5	349.0
1/4	8.8	348.7
M	9.0	348.5
1/4	8.4	349.1
crk	8.7	348.8
W	9.2	348.3

2+75

W	9.0	348.5
crk	9.5	348.0
1/4	7.5	350.0
M	7.5	350.0
1/4	9.0	348.5
crk	9.0	348.5
E	8.6	348.9

357.59 Kansas

340 = N.L. Wightman 80' wide

E	9.3	348.2
Crb	8.9	348.6
½	9.1	348.4
M	9.7	347.8
½	9.0	348.5
Crb	9.3	348.2
W	9.7	347.8

N curb

W	9.7	347.8
Crb	9.0	348.5
½	9.3	348.2
M	9.0	348.5
½	9.6	347.9
Crb	9.3	348.2
E	8.8	348.7

N ½

E	9.0	348.5
Crb	9.8	347.7
½	9.8	347.7
M	8.8	348.7
½	8.8	348.7
Crb	9.4	348.1
W	9.4	348.1

center

W	8.9	348.6
Crb	9.8	347.7
½	9.5	348.0
M	8.8	348.7
½	9.6	347.9
Crb	9.1	348.4
E	8.9	348.6

357.54

Kansas

S 1/4

E			8.4	349.1
crb			9.1	348.4
1/4			9.4	348.1
M			10.0	347.5
1/4			10.1	347.4
crb			10.3	347.2
W			9.8	347.7

S. curb

W			9.9	347.6
crb			9.7	347.8
1/4			9.8	347.7
M			9.9	347.6
1/4			9.6	347.9
crb			9.9	347.6
E			9.2	348.3

S.L. Wightman

E			9.7	347.8
crb			10.0	347.5
1/4			9.7	347.8
M			9.0	348.5
1/4			10.1	347.4
crb			9.4	348.1
W			10.5	347.0

0+25 S

W			9.8	347.7
crb			9.9	347.6
1/4			10.6	346.9
M			10.8	346.7
1/4			10.0	347.5
crb			9.8	347.7
E			10.1	347.4
T.P.	3.44	350.98	10.0	347.54

350.98 Kansas

0+50

E	3.6	347.4
Crb	3.7	347.3
"9	4.3	346.7
M	4.0	347.0
"9	3.4	347.6
Crb	4.1	346.9
W	4.5	346.5

0+75

W	4.4	346.6
Crb	4.5	346.5
"9	4.4	346.6
M	4.4	346.6
"9	4.6	346.4
Crb	4.1	346.9
E	4.4	346.6

1+0

E	4.3	346.7
Crb	4.5	346.5
"9	5.1	345.9
M	4.6	346.4
"9	4.0	347.0
Crb	5.0	346.0
W	5.4	345.6

1+25

W	5.5	345.5
Crb	5.1	345.9
"9	5.4	345.6
M	5.4	345.6
"9	5.2	345.8
Crb	4.4	346.6
E	3.7	347.3

350.98

Kansas

1+50

E	5.2	345.8
Crb	4.8	346.2
"9	5.2	345.8
M	5.2	345.8
"9	4.2	346.8
Crb	5.3	345.7
W	5.5	345.5

1+75

W	5.8	345.2
Crb	5.1	345.9
"9	5.6	345.4
M	5.5	345.5
"9	5.5	345.5
Crb	4.7	346.3
E	5.4	345.6

2+0

E	5.0	346.0
Crb	6.0	345.0
"9	6.2	344.8
M	6.1	344.9
"9	6.0	345.0
Crb	6.2	344.8
W	6.2	344.8

2+25

W	6.5	344.5
Crb	5.6	345.4
"9	5.8	345.2
M	6.2	344.8
"9	5.7	345.3
Crb	5.3	345.7
E	6.0	345.0

350.98

Kansas

2+50

E	6.8	344.2
crk	6.8	344.2
1/4	6.2	344.8
M	5.9	345.1
1/4	6.3	344.7
crk	6.1	344.9
W	6.1	344.9

2+75

W	6.5	344.5
crk	6.6	344.4
1/4	6.6	344.4
M	6.1	344.9
1/4	6.5	344.5
crk	5.6	345.4
E	5.9	345.1

3+0 - N.L. Gunn St 80'

E	6.8	344.2
crk	6.8	344.2
1/4	6.5	344.5
M	6.3	344.7
1/4	6.8	344.2
crk	6.5	344.5
W	7.1	343.9

N crk

W	7.3	343.7
crk	6.8	344.2
1/4	6.5	344.5
M	6.8	344.2
1/4	6.9	344.1
crk	6.8	344.2
E	5.8	345.2

POSTED

350.98

Kansas

N 1/4

E	6.4	344.6
crb	6.9	344.1
1/4	6.8	344.2
M	6.4	344.6
1/4	6.5	344.5
crb	7.0	344.0
W	3.3	347.7

Center

W	6.5	344.5
crb	7.2	343.8
1/4	7.2	343.8
M	7.1	343.9
1/4	7.3	343.7
crb	7.0	344.0
E	7.4	343.6

S 1/4

E	7.2	343.8
crb	7.2	343.8
1/4	7.2	343.8
M	7.1	343.9
1/4	7.5	343.5
crb	7.5	343.5
W	6.7	344.3

S curve

W	7.7	343.3
crb	7.7	343.3
1/4	7.6	343.4
M	7.4	343.6
1/4	7.2	343.8
crb	6.8	344.2
E	7.0	344.0

		350.98			Kansas
		S.L. Gunn St			
E			7.5	343.5	
crb			7.2	343.8	
1/4			7.4	343.6	
M			6.9	344.1	
1/4			7.5	343.5	
crb			7.9	343.1	
W			8.1	342.9	
		0+25 S			
W			7.9	343.1	
crb			8.0	343.0	
1/4			7.9	343.1	
M			7.6	343.4	
1/4			8.2	342.8	
crb			7.9	343.1	
E			7.8	343.2	

		0+50		
E			6.8	344.2
crb			7.9	343.1
1/4			8.2	342.8
M			8.0	343.0
1/4			8.1	342.9
crb			8.4	342.6
W			8.0	343.0
		0+75		
W			8.4	342.6
crb			8.6	342.4
1/4			6.9	344.1
M			7.8	343.2
1/4			8.2	342.8
crb			8.3	342.7
E			7.9	343.1
T.P.	4.47	247.20	8.25	242.73

Kansas

247.20

1+0

E	4.9	342.3
crb	4.6	342.6
1/4	4.8	342.4
N	5.2	342.0
1/4	4.8	342.4
crb	5.0	342.2
W	4.9	342.3

1+25

W	5.2	342.0
crb	4.8	342.4
1/4	4.1	343.1
N	4.5	342.7
1/4	4.7	342.5
crb	4.8	342.4
E	4.1	343.1

1+50

E	4.8	342.4
crb	5.3	341.9
1/4	4.8	342.4
N	5.0	342.2
1/4	3.9	343.3
crb	5.0	342.2
W	5.1	342.1

1+75

W	4.9	342.3
crb	4.9	342.3
1/4	5.2	342.0
N	5.2	342.0
1/4	5.6	341.6
crb	5.0	342.2
E	5.0	342.2

Kansas

	347.20		
	2+0		
E		4.9	342.3
Crb		5.0	342.2
"4		5.3	341.9
M		5.4	341.8
"4		4.9	342.3
Crb		5.5	341.7
W		5.0	342.2
	2+25		
W		5.2	342.0
Crb		5.3	341.9
"4		4.6	342.6
M		4.9	342.3
"4		5.1	342.1
Crb		5.7	341.5
E		5.3	341.9

	2+50		
E		5.5	341.7
Crb		4.9	342.3
"4		5.1	342.1
M		5.4	341.8
"4		5.7	341.5
Crb		5.6	341.6
W		5.6	341.6
	2+75		
W		5.4	341.8
Crb		5.6	341.6
"4		5.0	342.2
M		4.5	342.7
"4		5.7	341.5
Crb		5.9	341.3
E		6.0	341.2

POSTED

347.20 Kansas

3+0 = N.L. Landis St 80'

E	5.3	341.9
Crb	5.2	342.0
"9	5.9	341.3
M	5.8	341.4
"9	6.0	341.2
Crb	6.0	341.2
W	5.4	341.8

N curb

W	5.7	341.5
Crb	6.2	341.0
"9	6.3	340.9
M	5.6	341.6
"9	6.0	341.2
Crb	5.9	341.3
E	5.6	341.6

N "9

E	6.7	340.5
Crb	6.1	341.1
"9	6.4	340.8
M	6.1	341.1
"9	7.1	340.1
Crb	6.3	340.9
W	6.4	340.8

Center

W	6.2	341.0
Crb	6.5	340.7
"9	7.0	340.2
M	6.8	340.4
"9	6.4	340.8
Crb	6.2	341.0
E	6.2	341.0

347.20 Kansas

5 "4

E	5.9	341.3
crb	6.4	340.8
"4	6.3	340.9
M	6.5	340.7
"4	6.2	341.0
crb	6.3	340.9
W	6.5	340.7

5, crb

W	6.7	340.5
crb	6.4	340.8
"4	5.7	341.5
M	6.4	340.8
"4	6.4	340.8
crb	6.5	340.7
E	6.3	340.9

5.4.2 and 3

E	6.3	340.9
crb	6.5	340.7
"4	6.9	340.3
M	6.4	340.8
"4	6.6	340.6
crb	6.6	340.6
W	6.9	340.3

0+25 3

W	6.7	340.5
crb	6.7	340.5
"4	5.8	341.4
M	6.6	340.6
"4	6.6	340.6
crb	7.2	340.0
E	6.7	340.5

Kansas

		347.20		
		0+50		
E			7.0	340.2
Crb			6.6	340.6
1/4			5.9	341.3
M			7.0	340.2
1/4			7.3	339.9
Crb			6.8	340.4
W			7.1	340.1
		0+75		
W			7.5	339.7
Crb			7.3	339.9
1/4			7.3	339.9
M			7.0	340.2
1/4			7.1	340.1
Crb			6.9	340.3
E			7.2	340.0
T. P.	4.52	345.11	6.61	340.59

		345.11		
		1+0		
E			4.5	340.6
Crb			5.2	339.9
1/4			5.2	339.9
M			5.8	339.3
1/4			5.6	339.5
Crb			5.4	339.7
W			4.3	340.8
		1+25		
W			5.6	339.5
Crb			5.9	339.2
1/4			5.7	339.4
M			4.7	340.4
1/4			5.2	339.9
Crb			5.3	339.8
E			5.8	339.3

Kansas

	345.11		
	1450		
E		5.7	339.4
Crb		5.9	339.2
1/4		5.4	339.7
M		5.4	339.7
1/4		5.3	339.8
Crb		5.7	339.4
W		5.6	339.5
	1455		
W		5.8	339.3
Crb		5.8	339.3
1/4		5.7	339.4
M		5.4	339.7
1/4		5.9	339.2
Crb		5.1	340.0
E		5.1	340.0

	240		
E		6.0	339.1
Crb		6.2	338.9
1/4		6.0	339.1
M		6.0	339.1
1/4		5.7	339.4
Crb		5.4	339.7
W		6.0	339.1
	2425		
W		6.2	338.9
Crb		6.3	338.8
1/4		6.3	338.8
M		6.2	338.9
1/4		6.2	338.9
Crb		6.6	338.5
E		6.4	338.7

345.1

Kansas

2+50

E	6.5	338.6
Crb	6.6	338.5
"4	6.0	339.1
M	6.1	339.0
"4	6.4	338.7
Crb	6.2	338.9
W	6.5	338.6

2+75

W	7.0	338.1
Crb	6.9	338.2
"4	6.8	338.3
M	6.7	338.4
"4	6.8	338.3
Crb	7.2	337.9
E	6.8	338.3

123456

3+0 = N.L. Dwight, 80'

E	6.8	338.3
Crb	7.3	337.8
"4	7.0	338.1
M	6.8	338.3
"4	7.3	337.8
Crb	7.8	337.3
W	7.6	337.5

N. Corb

W	7.6	337.5
Crb	7.6	337.5
"4	7.5	337.6
M	7.5	337.6
"4	7.6	337.5
Crb	7.6	337.5
E	7.6	337.5

POSTED

345.11

Kansas

N ½

E	7.0	338.1
Crb	7.3	337.8
½	7.7	337.4
M	7.5	337.6
½	6.6	338.5
Crb	7.1	338.0
W	8.0	337.1

center

W	8.4	336.7
Crb	7.8	337.3
½	6.9	338.2
M	7.7	337.4
½	8.0	337.1
Crb	7.7	337.4
E	6.9	338.2

S ½

E	7.2	337.9
Crb	7.8	337.3
½	8.0	337.1
M	7.8	337.3
½	8.0	337.1
Crb	8.4	336.7
W	8.3	336.8

S. curb

W	8.6	336.5
Crb	8.5	336.6
½	8.2	336.9
M	7.3	337.8
½	7.2	337.9
Crb	7.9	337.2
E	7.8	337.3

345.11

Kansas

S.L. Dwight St

E	8.1	337.0
crb	8.2	336.9
1/4	7.8	337.3
M	8.3	336.8
1/4	8.4	336.7
crb	8.6	336.5
W	8.7	336.4

0+25 S

W	8.3	336.8
crb	7.6	337.5
1/4	8.7	336.4
M	8.9	336.2
1/4	8.3	336.8
crb	7.4	337.7
E	7.4	337.7

0+50

E	7.6	337.5
crb	8.9	336.2
1/4	9.3	335.8
M	9.3	335.8
1/4	9.1	336.0
crb	9.2	335.9
W	8.2	336.9

T.P. 4.27 3 92.26 7.12 237.99

0+75

W	6.5	335.8
crb	6.7	335.6
1/4	6.3	336.0
M	6.1	336.2
1/4	6.5	335.8
crb	6.6	335.7
E	6.1	336.2

342.26

Kansas

		1+0		
E			6.0	336.3
crb			6.8	335.5
1/4			7.0	335.3
M			7.0	335.3
1/4			7.0	335.3
crb			7.0	335.3
W			7.1	335.2
		1+25		
W			6.9	335.4
crb			7.3	335.0
1/4			6.6	335.7
M			5.7	336.6
1/4			6.9	335.4
crb			7.2	335.1
E			7.4	334.9

		1+50		
E			7.7	334.6
crb			7.7	334.6
1/4			7.6	334.7
M			7.7	334.6
1/4			7.6	334.7
crb			7.9	334.4
W			7.8	334.5
		1+75		
W			7.8	334.5
crb			8.1	334.2
1/4			8.0	334.3
M			7.5	334.8
1/4			7.6	334.7
crb			7.5	334.8
E			7.5	334.8

Kansas

	342.26		
	270		
E		7.8	334.5
crb		8.0	334.3
"g		8.0	334.3
M		7.7	334.6
"g		8.2	334.1
crb		8.0	334.3
W		7.9	334.9
	275		
W		7.3	335.0
crb		7.9	334.4
"g		8.2	334.1
M		8.9	333.9
"g		8.5	333.8
crb		8.3	334.0
E		8.0	334.3
	750		
E		8.1	334.2
crb		8.2	334.1
"g		8.5	333.8
M		8.9	333.4
"g		8.4	333.9
crb		8.3	334.0
W		9.1	333.2
	775		
W		9.1	333.2
crb		8.8	333.5
"g		8.9	333.4
M		8.9	333.4
"g		8.3	334.0
crb		6.9	335.4
E		7.3	335.0

POSTED

342.26 Kansas

3+0 N.L. Capps 80'

E			8.9	333.4
crk			9.0	333.3
1/4			8.8	333.5
M			8.4	333.9
1/4			9.0	333.3
crk			9.3	333.0
W			8.7	333.6
		N curb		
W			8.6	333.7
crk			9.4	332.9
1/4			8.6	333.7
M			7.8	334.5
1/4			8.6	333.7
crk			8.7	333.6
E			8.6	333.7

N 1/4

E			8.0	334.3
crk			7.7	334.6
1/4			8.7	333.6
M			8.7	333.6
1/4			9.1	333.2
crk			9.8	332.5
W			9.9	332.4
		Center		
W			10.1	332.2
crk			10.0	332.3
1/4			9.7	332.6
M			9.0	333.3
1/4			8.9	333.4
crk			8.3	334.0
E			8.6	333.7

		342.26		Kansas
		5 "4		
E			9.0	333.3
Crb			8.6	333.7
"4			8.7	333.6
M			9.5	332.8
"4			9.5	332.8
Crb			9.7	332.6
W			9.8	332.5
		5 Corb		
W			9.9	332.9
Crb			9.0	333.3
"4			8.8	333.5
M			9.5	332.8
"4			9.0	333.3
Crb			9.0	333.3
E			9.1	333.2
T.P.	6.91	340.30	8.87	333.39

		340.30		
		5.L. Corrs		
E			7.1	333.2
Crb			6.9	333.4
"4			6.2	334.1
M			7.2	333.1
"4			7.4	332.9
Crb			7.4	332.9
W			7.0	333.3
		0+25 5		
W			8.1	332.2
Crb			7.7	332.6
"4			7.5	332.8
M			7.5	332.8
"4			6.8	333.5
Crb			7.1	333.2
E			7.1	333.2

340.30

KANSAS

		0+50		
E			6.6	333.7
Crb			7.1	333.2
1/4			6.5	333.8
M			6.0	334.3
1/4			7.6	332.7
Crb			8.4	331.9
W			8.6	331.7
		0+75		
W			8.2	332.1
Crb			7.0	333.3
1/4			7.7	332.6
M			7.6	332.7
1/4			7.5	332.8
Crb			7.5	332.8
E			6.8	333.5

		1+0		
E			6.6	333.7
Crb			7.0	333.3
1/4			6.6	333.7
M			7.5	332.8
1/4			8.4	331.9
Crb			8.4	331.9
W			7.5	332.8
		1+25		
W			8.5	331.8
Crb			8.6	331.7
1/4			8.4	331.9
M			8.2	332.1
1/4			7.4	332.9
Crb			7.6	332.7
E			7.9	332.4

KANSAS

	3 40.30	
	1450	
E	7.9	332.4
Crk	7.5	332.8
"	7.2	333.1
M	8.2	332.1
"	7.9	332.4
Crk	7.6	332.7
W	8.6	331.7
	1475	
W	9.2	331.1
Crk	8.7	331.6
"	8.9	331.4
M	8.9	331.4
"	8.6	331.7
Crk	8.1	332.2
E	8.0	332.3

	240	
E	8.3	332.0
Crk	8.4	331.9
"	8.8	331.5
M	9.0	331.3
"	9.1	331.2
Crk	9.0	331.3
W	9.2	331.1
	2425	
W	9.3	331.0
Crk	9.2	331.1
"	8.9	331.4
M	9.2	331.1
"	8.4	331.9
Crk	7.9	332.4
E	8.7	331.6

	340.36		
	2+50		
E		9.1	331.2
crb		9.4	330.9
"4		9.5	330.8
M		9.4	330.9
"4		9.0	331.3
crb		9.5	330.8
W		9.9	330.4
	2+75		
W		9.8	330.5
crb		9.7	330.6
"4		9.4	330.9
M		9.4	330.9
"4		9.3	331.0
crb		9.4	330.9
E		9.6	330.7

	3+0 = N.L. Myrtle 80'		
E		8.1	332.2
crb		8.4	331.9
"4		9.5	330.8
M		9.9	330.4
"4		10.1	330.2
crb		10.1	330.2
W		9.9	330.4
T.P.	4.76	335.26	9.80 330.50
	N curb		
W		5.0	330.3
crb		4.6	330.7
"4		4.3	331.0
M		4.8	330.5
"4		4.8	330.5
crb		3.8	331.5
E		3.1	332.2

POSTED

335.76

KANSAS

N ¼

E	4.6	330.7
Crk	4.8	330.5
¼	4.8	330.5
M	4.8	330.5
¼	3.9	331.4
Crk	4.4	330.9
W	5.3	330.0

Center

W	5.3	330.0
Crk	5.1	330.2
¼	4.5	330.5
M	5.0	330.3
¼	5.2	330.1
Crk	5.2	330.1
E	5.1	330.2

S ¼

E	5.3	330.0
Crk	5.3	330.0
¼	5.2	330.1
M	5.1	330.2
¼	5.2	330.1
Crk	5.6	329.7
W	5.5	329.8

S Cutk

W	5.7	329.6
Crk	5.5	329.8
¼	4.4	330.9
M	4.6	330.7
¼	5.3	330.0
Crk	5.6	329.7
E	5.3	330.0

335.26 KANSAS

S.L. Mystic St

E	5.5	229.8
Crb	5.7	329.6
"q	5.8	330.0
M	4.7	330.6
"q	4.7	330.6
Crb	5.7	329.6
W	6.0	329.8

0+25 S

W	6.5	328.8
Crb	6.3	329.0
"q	6.2	329.1
M	6.2	329.1
"q	6.0	329.3
Crb	6.0	329.3
E	6.0	329.3

0+50

E	6.2	329.1
Crb	6.1	329.2
"q	5.9	329.4
M	5.6	329.7
"q	6.4	328.9
Crb	6.9	328.4
W	7.0	328.3

0+75

W	7.5	327.8
Crb	7.5	327.8
"q	7.4	327.9
M	7.2	328.1
"q	6.9	328.4
Crb	6.7	328.6
E	6.6	328.7

335.26 KANSAS

1740

E	7.2	328.1
Crb	7.4	327.9
1/4	7.7	327.6
M	7.5	327.8
1/4	7.5	327.8
Crb	8.4	326.9
W	8.4	326.9

1745

W	8.1	327.2
Crb	7.6	327.7
1/4	7.5	327.8
M	8.8	326.5
1/4	7.6	327.7
Crb	7.5	327.8
E	7.6	327.7

1750

E	8.1	327.2
Crb	8.2	327.1
1/4	8.4	326.9
M	8.3	327.0
1/4	7.5	327.8
Crb	7.7	327.6
W	8.3	327.0

1755

W	8.2	327.1
Crb	8.6	326.7
1/4	8.0	327.3
M	8.3	327.0
1/4	9.1	326.2
Crb	7.8	327.5
E	7.6	327.7

KANSAS

335.26

2+0

E	8.7	326.6
Crk	9.0	326.3
"	8.9	326.4
N	8.8	326.5
"	9.0	326.3
Crk	8.6	326.7
W	7.6	327.7

2+25

W	8.2	327.1
Crk	8.3	327.0
"	8.8	326.5
N	8.8	326.5
"	8.4	326.9
Crk	9.2	326.1
E	9.1	326.2

2+50

E	8.6	326.7
Crk	9.7	325.6
"	9.3	326.0
N	9.2	326.1
"	9.3	326.0
Crk	9.1	326.2
W	9.4	325.9

2+75

W	8.5	326.8
Crk	8.4	326.9
"	9.1	326.2
N	9.6	325.7
"	9.5	325.8
Crk	10.0	325.3
E	9.7	325.6

235.26 KANSAS ST.

3+00 = N.L. UP 25

E	10.0	325.3
crk	10.3	325.0
½	9.4	325.9
W	9.3	326.0
½	9.7	325.6
crk	9.5	325.8
W	9.7	325.6

POND

x-section Gunn St Idaho to 30th
" 80' wide

7/26/09 Dunsch
Shaw
Dyer

B.M. hob s.w. Idaho & Landis				343.82	
B.M.	3.95	347.77			
	E.L. Idaho				
S			3.9	343.9	
Crb			3.9	343.9	
1/4			3.6	344.2	
M			3.2	344.6	
1/4			4.0	343.8	
Crb			3.8	344.0	
N			3.4	344.4	
	0+25 E				
N			3.8	344.0	
Crb			4.0	343.8	
1/4			4.2	343.6	
M			4.4	343.4	
1/4			3.8	344.0	
Crb			3.9	343.9	
S			4.2	343.6	

POSTED

		0+50			
S			4.0	343.8	
Crb			3.7	344.1	
1/4			3.9	343.9	
M			4.1	343.7	
1/4			3.6	344.2	
Crb			3.4	344.4	
N			4.1	343.7	
		0+75			
N			4.1	343.7	
Crb			4.5	343.3	
1/4			4.7	343.1	
M			4.9	342.9	
1/4			4.7	343.1	
Crb			4.6	343.2	
S			4.9	342.9	

347.77

1+0

S	4.3	343.5
Cab	4.4	343.4
1/4	4.6	343.2
M	4.3	343.5
1/4	3.9	343.9
Cab	4.0	343.8
N	3.7	344.1

1+25

N	3.6	344.2
Cab	3.7	344.1
1/4	4.7	343.1
M	4.6	343.2
1/4	4.1	343.7
Cab	4.5	343.3
S	4.7	343.1

1+50

S	5.3	342.5
Cab	5.1	342.7
1/4	5.4	342.4
M	5.1	342.7
1/4	4.8	343.0
Cab	5.1	342.7
N	4.8	343.0

1+75

N	4.8	343.0
Cab	5.0	342.8
1/4	5.2	342.6
M	3.9	343.9
1/4	4.1	343.7
Cab	4.6	343.2
S	5.2	342.6

347.77

2+0= W.L. Utah St 8d

S			4.6	343.2
Crb			5.6	342.2
1/4			5.5	342.3
M			5.3	342.5
1/4			5.1	342.7
Crb			5.0	342.8
N			4.5	343.3

W Curb

N			4.6	343.2
Crb			4.6	343.2
1/4			4.9	342.9
M			4.7	343.1
1/4			5.1	342.7
Crb			5.3	343.5
S			5.2	342.6

W 1/4

S			5.8	342.0
Crb			4.0	343.8
1/4			4.1	343.7
M			5.3	342.5
1/4			4.8	343.0
Crb			4.8	343.0
N			4.9	342.9

center

N			4.8	343.0
Crb			4.2	343.6
1/4			3.9	343.9
M			5.4	342.4
1/4			4.6	343.2
Crb			4.4	343.4
S			5.8	342.0

347.77

E "9

S	5.7	342.1
Cab	4.9	342.9
"9	5.2	342.6
M	5.2	342.6
"9	5.3	342.5
Cab	5.3	342.5
N	4.1	343.7

E. Curb

N	4.9	342.9
Cab	5.1	342.7
"9	5.2	342.6
M	5.2	342.6
"9	5.3	342.5
Cab	4.5	343.3
S	5.1	342.7

E. L. Utz 4

S	5.7	342.1
Cab	5.6	342.2
"9	4.1	343.7
M	3.6	344.2
"9	4.1	343.7
Cab	5.2	342.6
N	4.7	343.1

0+25 E

N	5.0	342.8
Cab	5.1	342.7
"9	4.9	342.9
M	5.1	342.7
"9	4.8	343.0
Cab	4.9	343.0
S	4.9	342.9
T. P. 5.04	348.37	4.44	343.33

brooks

348.37

0+50

S	6.0	342.4
Crk	5.9	342.5
"	5.3	343.1
M	4.0	344.4
"	5.1	343.3
Crk	4.5	343.9
N	4.0	344.4

0+75

N	5.1	343.3
Crk	5.8	343.1
"	5.6	342.8
M	5.5	342.9
"	5.6	342.8
Crk	5.3	343.1
S	4.3	344.1

1+0

S	6.4	342.0
Crk	6.3	342.1
"	5.7	342.7
M	5.3	343.1
"	5.5	342.9
Crk	4.8	343.6
N	5.2	343.2

1+25

N	5.1	343.3
Crk	4.5	343.9
"	4.4	344.0
M	5.4	343.0
"	4.7	343.7
Crk	5.5	342.9
S	6.0	342.4

348.37

1+50

S	5.2	343.2
crk	5.8	342.6
"g	5.2	343.2
M	5.0	343.4
"g	5.3	343.1
crk	5.4	343.0
N	4.7	343.7

1+75

N	5.1	343.3
crk	5.4	343.0
"g	5.7	342.7
M	5.5	342.9
"g	5.1	343.3
crk	5.8	342.6
S	6.2	342.2

2+0 = mid. Sherman 80'

S	5.7	342.7
crk.	4.9	343.5
"g	5.6	342.8
M	5.7	342.7
"g	5.5	342.9
crk	4.9	343.5
N	4.8	343.6

W curb

N	4.2	344.2
crk	4.5	343.9
"g	5.2	343.2
M	5.2	343.2
"g	5.7	342.7
crk	5.4	343.0
S	5.4	343.0

348.37

N. "4

S	6.2	342.2
Crb	5.2	343.2
"4	5.0	343.4
M	5.4	343.0
"4	5.4	343.0
Crb	4.4	344.0
N	4.8	343.6

center

N	5.5	342.9
Crb	4.7	343.7
"4	5.4	343.0
M	5.2	343.2
"4	5.2	343.2
Crb	4.7	343.7
S	5.5	342.9

E "4

S	6.0	342.4
Crb	5.4	343.0
"4	5.6	342.8
M	4.6	343.8
"4	3.9	344.5
Crb	5.0	343.4
N	5.4	343.0

E curb

N	4.9	343.5
Crb	5.2	343.2
"4	4.7	343.7
M	5.1	343.3
"4	5.7	342.7
Crb	5.7	342.7
S	5.9	342.5

POSTED

348.37

E.L. Sherman

S	5.2	343.2
crb	4.9	343.5
1/4	5.5	342.9
M	5.7	342.7
1/4	5.1	343.3
crb	5.1	343.3
N	3.7	344.7

0+25 E

N	4.6	343.8
crb	4.8	343.6
1/4	4.3	344.1
M	4.9	343.5
1/4	5.5	342.9
crb	5.6	342.8
S	5.4	343.0

0+50

S	5.2	343.2
crb	4.1	344.3
1/4	5.0	343.4
M	5.5	342.9
1/4	5.4	343.0
crb	5.1	343.3
N	4.9	343.5

0+25

N	3.5	344.9
crb	3.9	344.5
1/4	4.9	343.5
M	4.7	343.7
1/4	5.3	343.1
crb	5.2	343.2
S	4.4	344.0

		348.37			
		1710			
S			5.7	342.7	
Cab			5.4	343.0	
"			5.5	342.9	
M			4.8	343.6	
"			3.8	344.6	
Cab			4.1	344.3	
N			5.0	343.4	
		1725			
N			4.4	344.0	
Cab			4.8	343.6	
"			4.8	343.6	
M			4.9	343.5	
"			5.4	343.0	
Cab			5.7	343.2	
S			3.9	344.5	

		1750			
S			5.3	343.1	
Cab			4.9	343.5	
"			5.1	343.3	
M			4.5	343.9	
"			3.7	344.7	
Cab			4.6	343.8	
N			4.3	344.1	
		1775			
N			4.6	343.8	
Cab			4.7	343.7	
"			4.7	343.7	
M			5.1	343.3	
"			5.1	343.3	
Cab			5.0	343.4	
S			5.2	343.2	
T.P	6.30	349.27	5.40	343.97	

349.27

2+0 = W. L. Kansas 80'

S	6.5	342.8
Crb	6.0	343.3
1/4	5.0	344.3
M	4.9	344.4
1/4	5.7	343.6
Crb	5.7	343.6
N	5.6	343.7

W. Curb

N	4.9	344.5
Crb	5.2	344.1
1/4	5.4	343.9
M	5.6	343.7
1/4	6.0	343.3
Crb	6.1	343.2
S	6.3	343.0

W 1/4

S	5.9	343.4
Crb	5.6	343.7
1/4	6.0	343.3
M	5.6	343.7
1/4	4.8	344.5
Crb	5.0	344.3
N	5.0	344.3

Center

N	4.6	344.7
Crb	5.2	344.1
1/4	4.9	344.5
M	5.6	343.7
1/4	6.4	342.9
Crb	5.8	342.5
S	5.3	344.0

349.27

E 1/4

S	5.9	343.4
Crk	5.5	343.8
1/4	5.5	343.8
M	5.7	343.6
1/4	5.2	344.1
Crk	5.3	344.0
N	4.8	344.5

E. Cuke

N	5.1	344.2
Crk	5.1	344.2
1/4	5.3	344.0
M	5.4	343.9
1/4	5.5	343.8
Crk	5.3	344.0
S	5.5	343.8

E. L. Kansas

S	6.0	343.3
Crk	5.4	343.9
1/4	5.6	343.7
M	5.6	343.7
1/4	4.8	344.5
Crk	4.1	345.2
N	5.2	344.1

0125 E

N	5.0	344.3
Crk	4.9	344.4
1/4	5.2	344.1
M	5.6	343.7
1/4	5.6	343.7
Crk	5.5	343.8
S	6.1	343.2

	349.27		
	0+50		
S		5.7	343.6
crb		5.6	343.7
1/4		5.0	344.3
M		5.6	343.7
1/4		4.8	344.5
crb		4.2	345.1
N		5.3	344.0
	0+75		
N		4.5	344.8
crb		5.2	344.1
1/4		5.4	343.9
M		5.4	343.9
1/4		5.7	343.6
crb		4.9	344.4
S		5.6	343.7

	1+00		
S		5.8	343.5
crb		5.8	343.5
1/4		5.4	343.9
M		5.0	344.3
1/4		4.9	344.4
crb		5.2	344.1
N		5.1	344.2
	1+25		
N		4.5	344.8
crb		5.1	344.2
1/4		5.5	343.8
M		5.5	343.8
1/4		5.8	343.5
crb		5.7	343.6
S		5.7	343.6

	349.27		
	1450		
S		5.6	343.7
Crb		4.6	344.7
1/4		4.2	345.1
M		5.0	344.3
1/4		4.7	344.6
Crb		4.4	344.9
N		4.7	344.6
	1455		
N		3.6	345.7
Crb		3.4	345.9
1/4		3.7	345.6
M		3.9	345.4
1/4		2.7	346.6
Crb		3.8	345.5
S		4.8	344.5

370 - W. L. 30th St

S	4.7	344.6
Crb	4.7	344.6
1/4	5.2	344.1
M	4.9	344.4
1/4	5.1	344.2
Crb	4.5	344.8
N	4.1	345.2

POSTED

x-section Getti St Hooker to Stephens
" 50' wide
B.M. R.R. spk S.W. cor Lewis & Hooker 277.08

Dunkle
Shaw
Dizzel

B.M.	3.03	280.11		
T.P.	3.27	275.12	8.26	271.85
	W.L. Hooker			
N			3.3	271.8
Crb			3.4	271.7
1/4			3.4	271.7
M			3.5	271.6
1/4			3.4	271.7
Crb			3.4	271.7
S			3.5	271.6
	0+25 W			
S			4.0	271.1
Crb			3.9	271.2
1/4			3.3	271.8
M			3.7	271.4
1/4			3.8	271.3
Crb			3.7	271.4
N			3.3	271.8

POSTED

		275.12		
		0+50		
N			3.1	272.0
Crb			3.4	271.7
1/4			3.9	271.2
M			4.0	271.1
1/4			4.0	271.1
Crb			4.2	270.9
S			4.5	270.6
		0+75		
S			4.5	270.6
Crb			4.0	271.1
1/4			3.7	271.4
M			3.9	271.2
1/4			4.0	271.1
Crb			3.8	271.3
N			3.3	271.8

		275.12		
		1+0		
N			3.4	271.7
Crb			3.4	271.7
1/4			3.6	271.5
M			4.0	271.1
1/4			3.8	271.3
Crb			4.1	271.0
S			4.7	270.4
		1+25		
S			5.1	270.0
Crb			5.0	270.1
1/4			4.3	270.8
M			4.4	270.7
1/4			4.5	270.6
Crb			4.4	270.7
N			4.2	270.9

		275.12		
		1+50		
N			4.1	271.0
Crb			4.4	270.7
1/4			4.6	270.5
M			4.2	270.9
1/4			4.0	271.1
Crb			4.5	270.6
S			5.8	269.3
		1+75		
S			6.0	269.1
Crb			5.5	269.6
1/4			5.0	270.1
M			4.9	270.2
1/4			4.7	270.4
Crb			4.5	270.6
N			3.8	271.3

275.12

210 = E.L. Randolph St 60' wide

N	4.6	270.5
Crb	4.8	270.3
1/4	4.6	270.5
M	4.6	270.5
1/4	4.3	270.8
Crb	4.7	270.4
S	5.6	269.5

E curb

S	5.8	269.3
Crb	5.5	269.6
1/4	5.2	269.9
M	5.0	270.1
1/4	5.1	270.0
Crb	4.3	270.8
N	3.9	271.2

275.12

E 1/4

N	4.3	270.8
Crb	4.8	270.3
1/4	5.0	270.1
M	5.2	269.9
1/4	5.3	269.8
Crb	5.8	269.3
S	6.2	268.9

center

S	6.7	268.4
Crb	6.0	269.1
1/4	5.5	269.6
M	5.2	269.9
1/4	5.2	269.9
Crb	4.9	270.2
N	4.5	270.6

275.12

W 1/4

N	4.4	270.7
Crb	4.6	270.5
1/4	4.9	270.2
M	5.3	269.8
1/4	5.6	269.5
Crb	6.1	269.0
S	6.8	268.3

W. Curb

S	6.8	268.3
Crb	5.9	269.2
1/4	5.7	269.4
M	5.2	269.9
1/4	5.0	270.1
Crb	4.3	270.8
N	4.0	271.1

275.12

W. L. Randolph St.

N	3.3	271.8
Crb	3.9	271.2
1/4	4.6	270.5
M	5.0	270.1
1/4	5.5	269.6
Crb	6.0	269.1
S	6.3	268.8

0+25 W

S	6.1	269.1
Crb	5.6	269.5
1/4	5.2	269.9
M	5.0	270.1
1/4	4.5	270.6
Crb	4.0	271.1
N	3.4	271.7

POSTED

	275.12		
	0+50		
N		3.7	271.4
Crb		4.3	270.8
1/4		4.3	270.8
M		4.7	270.4
1/4		5.1	270.0
Crb		5.3	269.8
S		5.9	269.2
	0+75		
S		6.0	269.1
Crb		5.7	269.4
1/4		5.5	269.6
M		4.9	270.2
1/4		4.5	270.6
Crb		4.2	270.9
N		4.0	271.1

	275.12		
	1+0		
N		5.1	270.0
Crb		5.1	270.0
1/4		5.3	269.8
M		5.8	269.3
1/4		6.2	268.9
Crb		6.3	268.8
S		6.6	268.5
	1+25		
S		8.9	266.2
Crb		8.3	266.8
1/4		8.1	267.0
M		7.8	267.3
1/4		7.4	267.7
Crb		7.2	267.9
N		6.9	268.2

275.12

1450

N	8.4	266.7
Crb	8.7	266.4
1/4	9.3	265.8
M	10.3	264.8
1/4	10.2	264.9
Crb	10.3	264.8
S	11.4	263.7

1475

S	15.2	259.9
Crb	14.3	260.8
1/4	13.9	261.2
M	13.7	261.4
1/4	12.7	262.4
Crb	11.8	263.3
N	11.2	263.9

275.12

2+00 - E. L. Calhoun St 60' wide

N	11.5	263.6
Crb	11.8	263.3
1/4	12.3	262.8
M	13.0	262.1
1/4	13.0	262.1
Crb	13.4	261.7
S	14.4	260.7

E Curb

S	12.8	262.3
Crb	12.9	262.7
1/4	12.2	262.9
M	12.3	262.8
1/4	11.3	263.8
Crb	11.2	263.9
N	10.7	264.4

275.12

E 1/4

N	9.9	265.2
Crk	10.3	264.8
1/4	10.8	264.3
M	11.4	263.7
1/4	11.4	263.7
Crk	11.5	263.6
S	12.2	264.9

Center

S	11.5	263.6
Crk	11.1	264.0
1/4	10.8	264.3
M	10.7	264.4
1/4	9.9	265.2
Crk	9.6	265.5
N	9.1	266.0

275.12

W 1/4

N	8.7	266.4
Crk	9.0	266.1
1/4	9.3	265.8
M	9.9	265.2
1/4	10.1	265.0
Crk	10.3	264.8
S	10.9	264.2

W. Corr

S	10.3	264.8
Crk	9.5	265.6
1/4	9.3	265.8
M	8.9	266.2
1/4	8.5	266.6
Crk	8.2	266.9
N	7.9	267.2

		275.12		
		W.L. Calhoun St		
N			7.3	267.8
Crb			7.7	267.4
"4			7.9	267.2
M			8.2	266.9
"4			8.9	266.2
Crb			9.1	266.0
S			9.4	265.7
		0+25 W		
S			9.5	265.6
Crb			8.9	266.2
"4			8.7	266.4
M			8.0	267.1
"4			7.4	267.7
Crb			7.4	267.7
N			7.0	268.1

		275.12		
		0+50		
N			7.2	267.9
Crb			7.5	267.6
"4			8.1	267.0
M			8.6	266.5
"4			9.1	266.0
Crb			9.4	265.7
S			9.8	265.3
		0+75		
S			10.0	265.1
Crb			9.4	265.7
"4			9.3	265.8
M			8.8	266.3
"4			8.3	266.8
Crb			7.7	267.4
N			6.7	268.4
T.P.	5.25	272.73	7.64	267.48

POSTED

272.73

1+00

N	4.6	268.1
crb	5.3	267.4
1/4	5.8	266.9
M	6.4	266.3
1/4	7.0	265.7
crb	7.2	265.5
S	7.8	264.9

1+25

S	7.0	265.7
crb	6.7	266.0
1/4	6.5	266.2
M	6.1	266.6
1/4	5.7	267.0
crb	5.2	267.5
N	4.7	268.0

272.73

1+50

N	4.3	268.4
crb	4.6	268.1
1/4	5.0	267.7
M	5.3	267.4
1/4	6.0	266.7
crb	6.0	266.7
S	6.0	266.7

1+75

S	5.7	267.0
crb	5.5	267.2
1/4	5.5	267.2
M	4.9	267.8
1/4	4.8	267.9
crb	4.6	268.1
N	4.3	268.4

272.73

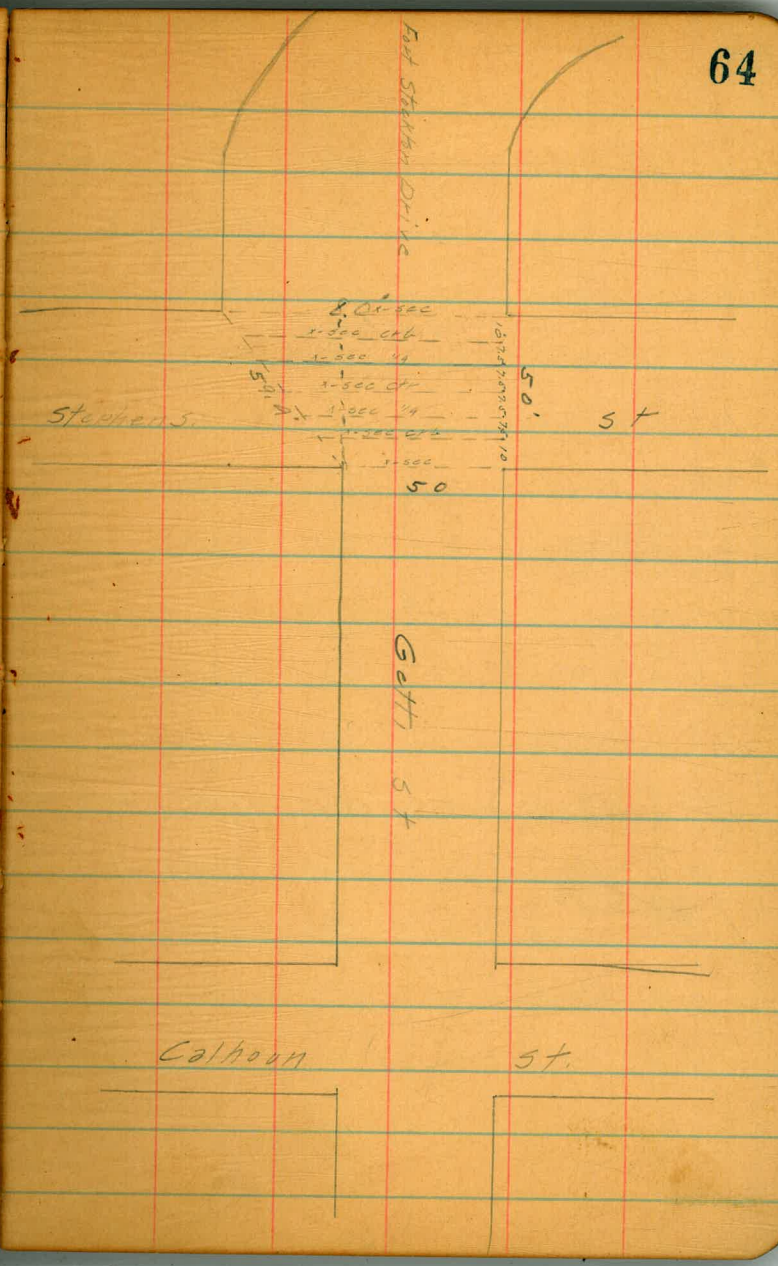
2+0 = E.L. Stephens st

N	4.5	268.2
Crb	4.9	267.8
1/4	5.2	267.5
N	5.3	267.4
1/4	5.5	267.2
Crb	5.2	267.5
S	5.2	267.5

E. Curb

S	5.8	266.9
Crb	5.7	267.0
1/4	5.6	267.1
N	5.7	267.0
1/4	5.4	267.3
Crb	4.5	268.2
N	4.2	268.5

Note – For x-sec intersection stephens see sketch page 64



272.73

E "9

N	4.1	268.6
crb	4.5	268.2
"9	5.3	267.4
M	6.0	266.7
"9	5.8	266.9
crb	6.0	266.7
S	6.1	266.6

Center

S	6.2	266.5
crb	6.1	266.6
"9	5.9	266.8
M	6.2	266.5
"9	5.7	267.0
crb	4.9	267.8
N	4.6	268.1

272.72

W "9

N	5.2	267.5
crb	5.8	266.9
"9	6.5	266.2
M	6.3	266.4
"9	5.7	267.0
crb	6.1	266.6
S	6.3	266.4

W curb

S	6.6	266.1
crb	6.5	266.2
"9	6.3	266.4
M	6.3	266.4
"9	6.5	266.2
crb	6.2	266.5
N	5.5	267.2

POSTED

272.73

M.L. Stephens St

N	5.7	267.0
crb	6.7	266.0
"	6.7	266.0
M	6.5	266.2
"	6.5	266.2
crb	7.0	265.7
S	6.8	265.9

POS. 22

x-section W ½ 40' Brant St Spruce Redwood 9/16/10 Dunkle Shaw

B.M. brass Plg First & Walnut				250.90	Evans
B.M.	0.94	251.84			
T.P.	3.77	249.31	6.30	245.54	
T.P.	0.99	238.75	11.55	237.76	
		S.L. Spruce St			
W			12.6		226.2
crb			13.2		225.6
M			13.0		225.8
+6			13.3		225.5
crb			16.5		222.3
E.L.			23.1		215.7
		0+25 S			
E.L.			13.9		224.9
crb			12.8		226.0
M			11.4		227.4
crb			11.9		226.9
W.L. bottom of cut			10.6		228.2
" " Top " cut			9.0		229.8

		0+50			
W.L. Top			5.6		233.2
" " bot			8.8		230.0
+9			9.1		
crb			9.7		229.1
M			9.6		229.2
crb			9.9		228.9
E.L.			9.8		229.0
		0+75			
E.L.			9.0		229.0
crb			9.2		229.6
M			9.3		229.5
crb			9.4		229.4
+3			8.7		230.1
W.L. bot			8.4		230.4
" " Top			4.9		234.4

	238.75		
	1+0		
W.L. top	5.3	233.5	
" " bot.	8.1	230.7	
+8	8.3		
crb	8.9	229.9	
M	9.0	229.8	
crb	9.4	229.4	
E.L.	9.8	229.0	
	1+25		
E.L.	11.2	227.6	
crb	10.3	228.5	
M	9.5	229.3	
crb	9.1	229.7	
W.L. bot	7.9	230.9	
" " top	6.2	232.6	

	1+50		
W.L.	8.7	230.1	
crb	9.8	229.0	
M	10.3	228.5	
crb	11.1	227.7	
E.L.	11.9	226.9	
	1+75		
E.L.	14.1	224.7	
crb	12.9	225.9	
+4	10.1	228.7	
M	10.2	228.6	
crb	10.3	228.5	
W.L. bot	9.9	228.9	
" " top cement wall	6.9	231.9	

	238.75		
	2+0		
W.L. Top cement wall		6.9	231.8
" " bot		10.7	228.0
crb		10.7	228.1
+8		10.0	228.8
M		11.0	227.7
+6		14.0	224.8
crb		15.0	223.8
E.L.		16.3	222.5
	2+25		
E.L.		18.8	220.0
crb		16.2	222.6
+5		15.8	223.0
M		13.3	225.5
+6		10.8	228.0
crb		10.9	227.9
W.L. bott		11.0	227.8
" " Top cement wall		7.0	231.8

		238.75		
		2+50		
W.L.			10.5	228.3
+5			10.3	228.5
T.P.	1.67	227.98	12.94	225.81
crb			2.5	225.0
M			5.5	222.0
crb			2.3	220.2
E.L.			11.4	216.1
T.P.	0.27	215.56	13.19	215.29
		2+75		
E.L.			9.3	206.3
crb			6.7	208.9
M			5.6	210.0
crb			4.1	211.5
W.L.			2.8	212.8

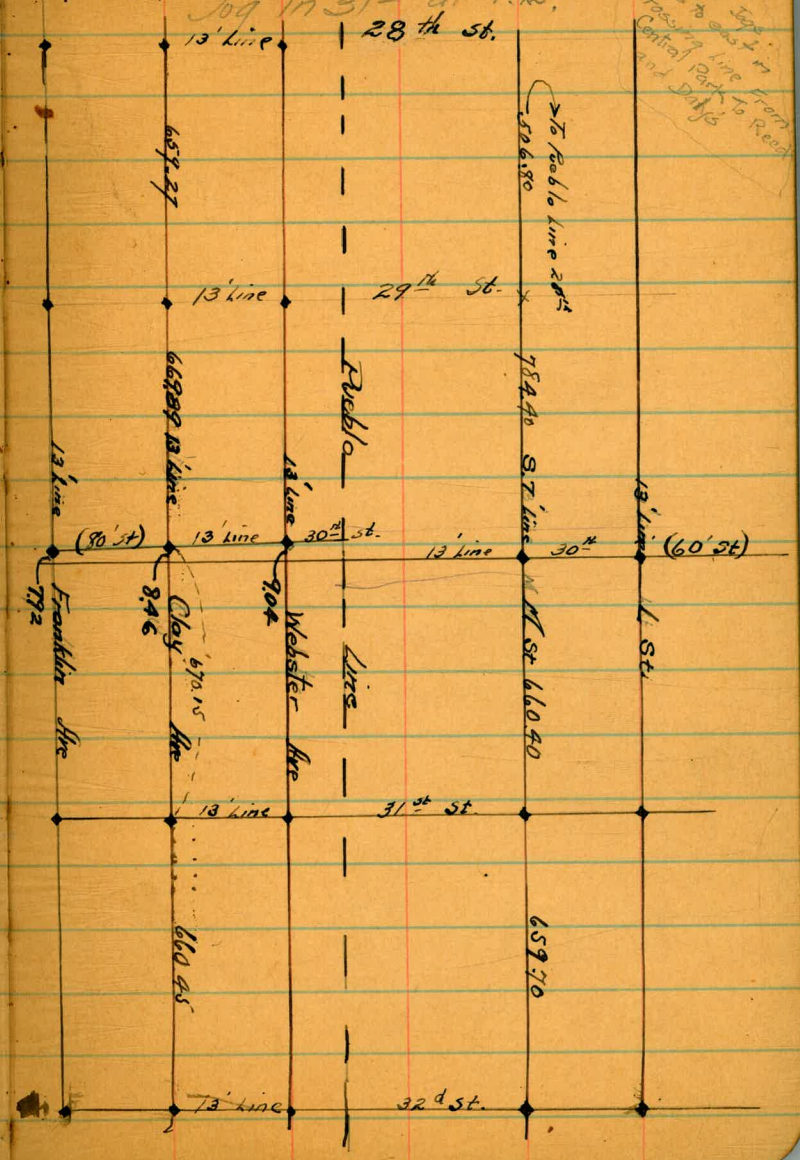
215.56

370 = M.L. Redwood

W.L.	16.2	199.4	
Crk	17.7	197.9	
M	18.4	197.2	
Crk	20.3	195.3	
E.L.	20.8	194.8	194.8

4/18/13 Hatch Moore Hall

Determination of Jog in 31st at Pl.



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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.		