

Cross-sections over

31<sup>st</sup> ST. from "N" to "J"

32<sup>nd</sup> ST. from "M" to "A"

238

400

F.B. 238

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

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TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle	COR. IN LINKS	Angle	COR. IN LINKS	Angle	COR. IN LINKS	Angle	COR. IN LINKS
0		0		0		0	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	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

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CROSS-SECTIONS OVER  
31<sup>ST</sup> ST FROM "N" - "J"

OCT. 12, 1905 { COVERT  
MUNSON  
HASLAM

B.M. 1.86 78.98 77.12

0 = N. L. - "N" ST.

E.L	3.8	75.2
E.C	4.5	74.5
E/A	5.1	73.9
1/2	5.1	73.9
W/A	5.2	73.8
W.C	5.3	73.7
W.L	5.4	73.6

25 - No. OF "N"

W.L	5.2	73.8
W.C	5.2	73.8
W/A	5.2	73.8
1/2	5.0	74.0
E/A	4.9	74.1
E.C	5.1	73.9
E.L	5.0	74.0

S.W. COR. 31<sup>ST</sup> ST  
SPINE IN  
ELEC.

3 50 N. OF "N"

E.L. 4.7 74.2

E.C. 4.7 74.3

E $\frac{1}{4}$  4.5 74.5 $\frac{1}{2}$  4.8 74.2W $\frac{1}{4}$  5.2 73.8

W.C. 5.3 73.7

W.L. 4.1 74.9

75 N. OF "N"

W.L. 5.3 73.7

W.C. 5.5 73.5

W $\frac{1}{4}$  5.3 73.7 $\frac{1}{2}$  5.2 73.8E $\frac{1}{4}$  5.3 73.7

E.C. 5.1 73.9

E.L. 4.3 74.7

100 N. OF "N"

E.L. 5.1 73.9

E.C. 5.3 73.7

E $\frac{1}{4}$  5.0 74.0 $\frac{1}{2}$  4.6 74.4W $\frac{1}{4}$  5.1 73.9

W.C. 5.6 73.4

W.L. 5.4 73.6

125 N. OF "N"

W.L. 5.4 73.6

W.C. 5.4 73.6

W $\frac{1}{4}$  5.2 73.8 $\frac{1}{2}$  5.1 73.9E $\frac{1}{4}$  5.4 73.6

E.C. 5.4 73.6

E.L. 5.4 73.6

140 N. OF "N"

E.L.	5.3	73.7
E.C.	4.6	74.4
E. 1/4	4.4	74.6
1/2	4.6	74.4
W. 1/4	5.4	73.6
W.C.	5.4	73.6
W.L.	5.2	73.8

160 N. OF "N"

W.L.	5.2	73.8
W.C.	4.9	74.1
W. 1/4	5.2	73.8
1/2	4.6	74.4
E. 1/4	4.2	74.8
E.C.	4.5	74.5
E.L.	4.6	74.4

175 N. OF "N"

E.L.	4.9	74.1
E.C.	4.9	74.1
E. 1/4	4.8	74.2
1/2	5.1	73.9
W. 1/4	5.2	73.8
W.C.	5.1	73.9
W.L.	5.1	73.9

200 N. OF "N"

W.L.	4.8	74.2
W.C.	5.2	73.8
W. 1/4	5.3	73.7
1/2	5.4	73.6
E. 1/4	5.3	73.7
E.C.	5.0	74.0
E.L.	4.9	74.1

225 N OF "N"

E.L.	5.0	74.0
E.C.	5.1	73.9
E 1/4	5.2	73.8
1/2	5.3	73.7
W 1/4	5.3	73.7
W.C.	5.2	73.8
W.L.	5.0	74.0

250 N. OF "N"

W.L.	4.3	74.7
W.C.	4.5	74.2
W 1/4	4.9	74.1
1/2	4.7	74.3
E 1/4	4.4	74.6
E.C.	4.4	74.6
E.L.	4.6	74.4

275 N OF "N"

E.L.	4.4	74.6
E.C.	4.4	74.6
E 1/4	4.5	74.5
1/2	4.5	74.5
W 1/4	4.2	74.7
W.C.	3.9	75.1
W.L.	3.5	75.5

300 N OF "N" = S.L. OF "M"

W.L.	3.3	75.7
W.C.	3.3	75.7
W 1/4	3.1	75.9
1/2	3.0	76.0
E 1/4	3.0	76.0
E.C.	3.5	75.5
E.L.	3.1	75.9

5.67	82.79	1.86.	77.12
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0 = N. L. OF "M"

E.L.	5.7	77.1
E.C.	6.1	76.7
E $\frac{1}{4}$	5.9	76.9
$\frac{1}{2}$	5.8	77.0
W $\frac{1}{4}$	6.4	76.4
W.C.	6.6	76.2
W.L.	6.5	76.3

25 N. OF "M"

W.L.	6.5	76.3
W.C.	6.6	76.2
W $\frac{1}{4}$	6.5	76.3
$\frac{1}{2}$	6.3	76.5
E $\frac{1}{4}$	6.0	76.8
E.C.	6.1	76.7
E.L.	5.6	77.2

50 N. OF "M"

E.L.	5.4	77.4
E.C.	5.8	77.0
E $\frac{1}{4}$	5.6	77.2
$\frac{1}{2}$	5.9	76.9
W $\frac{1}{4}$	6.1	76.7
W.C.	6.2	76.6
W.L.	6.4	76.4

75 N. OF "M"

W.L.	5.7	77.1
W.C.	5.7	77.1
W $\frac{1}{4}$	5.8	77.0
$\frac{1}{2}$	5.5	77.3
E $\frac{1}{4}$	5.3	77.5
E.C.	5.4	77.4
E.L.	5.1	77.7

100 N. OF "M"

E.L.	5.0	77.8
E.C.	5.4	77.4
E. 1/4	5.2	77.6
1/2	5.2	77.6
W. 1/4	5.2	77.6
W.C.	5.3	77.5
W.L.	5.0	77.8

125 N. OF "M"

W.L.	5.0	77.8
W.C.	5.3	77.5
W. 1/4	5.2	77.6
1/2	5.0	77.8
E. 1/4	4.7	78.1
E.C.	4.7	78.0
E.L.	4.8	78.0

140 N. OF "M"

E.L.	4.7	78.1
E.C.	4.9	77.9
E. 1/4	5.1	77.7
1/2	5.2	77.6
W. 1/4	5.4	77.4
W.C.	5.5	77.3
W.L.	5.1	77.7

160 N. OF "M"

W.L.	5.2	77.6
W.C.	5.5	77.3
W. 1/4	5.4	77.4
1/2	5.3	77.5
E. 1/4	5.3	77.5
E.C.	4.5	78.3
E.L.	4.3	78.5



175 N. OF "M"

E.L.	4.2	78.6
E.C.	4.2	78.6
E $\frac{1}{4}$	5.1	77.7
$\frac{1}{2}$	5.2	77.6
W $\frac{1}{4}$	5.2	77.6
W.C.	5.3	77.5
W.L.	4.9 <sup>0</sup>	77.9

200 N. OF "M"

W.L.	5.0	77.8
W.C.	5.3	77.5
W $\frac{1}{4}$	5.3	77.5
$\frac{1}{2}$	5.3	77.5
E $\frac{1}{4}$	5.2	77.6
E.C.	4.6	78.2
E.L.	4.4	78.4

225 N. OF "M"

E.L.	4.6	78.2
E.C.	4.7	78.1
E $\frac{1}{4}$	5.2	77.6
$\frac{1}{2}$	5.4	77.4
W $\frac{1}{4}$	5.4	77.4
W.C.	5.4	77.4
W.L.	4.9	77.9

250 N. OF "M"

W.L.	5.0	77.8
W.C.	5.4	77.4
W $\frac{1}{4}$	5.4	77.4
$\frac{1}{2}$	5.5	77.3
E $\frac{1}{4}$	5.4	77.4
E.C.	4.9	77.9
E.L.	4.8	78.0

275 N. OF "M"

E.L.	4.9	77.9
E.C.	5.4	77.4
E $\frac{1}{4}$	5.8	77.0
$\frac{1}{2}$	5.7	77.1
W $\frac{1}{4}$	5.8	77.0
W.C.	5.9	76.9
W.L.	6.1	76.7

300 N. OF "M" = S.E. OF "L"

W.L.	6.3	76.5
W.C.	6.1	76.7
W $\frac{1}{4}$	6.2	76.6
$\frac{1}{2}$	6.2	76.6
E $\frac{1}{4}$	6.0	76.8
E.C.	5.8	77.0
E.L.	5.6	77.2

S.C. OF "L"

E.L.	5.0	77.2
E.C.	5.9	76.9
E $\frac{1}{4}$	5.9	76.9
$\frac{1}{2}$	5.7	76.9
W $\frac{1}{4}$	6.0	76.8
W.C.	6.1	76.7
W.L.	6.2	76.6

S $\frac{1}{4}$  OF "L"

W.L.	6.2	76.6
W.C.	6.0	76.8
W $\frac{1}{4}$	6.0	76.8
$\frac{1}{2}$	6.0	76.8
E $\frac{1}{4}$	6.0	76.8
E.C.	5.8	77.0
E.L.	5.9	76.8

$\frac{1}{2}$  OF "L"

E.L.	5.8	77.0
E.C.	5.9	76.9
E $\frac{1}{4}$	6.0	76.8
$\frac{1}{2}$	6.0	76.8
W $\frac{1}{4}$	6.0	76.8
W.C.	5.9	76.9
W.L.	6.1	76.7

 $\frac{1}{4}$  OF "L"

W.L.	6.0	76.8
W.C.	5.8	77.0
C W $\frac{1}{4}$	5.9	76.9
$\frac{1}{2}$	5.9	76.9
E $\frac{1}{4}$	5.8	77.0
E.C.	5.6	77.2
E.L.	5.7	77.1

N.C. OF "L"

E.L.	5.1	77.7
E.C.	5.2	77.6
E $\frac{1}{4}$	5.4	77.4
$\frac{1}{2}$	5.3	77.5
W $\frac{1}{4}$	5.6	77.2
W.C.	5.7	76.9
W.L.	5.9	76.9

380 N. OF "M" = N.L. OF "L"

W.L.	6.0	76.8
W.C.	5.8	77.0
W $\frac{1}{4}$	5.3	77.5
$\frac{1}{2}$	5.1	77.7
E $\frac{1}{4}$	5.1	77.7
E.C.	4.7	78.1
E.L.	4.7	78.1

25 N. OF "L"

E.L.	4.3	78.5
E.C.	4.8	78.0
E $\frac{1}{4}$	5.1	77.7
$\frac{1}{2}$	5.3	77.5
W $\frac{1}{4}$	5.7	77.1
W.C.	5.9	76.9
W.L.	6.0	76.5

50 N. OF "L"

W.L.	5.8	77.0
W.C.	5.8	77.0
W $\frac{1}{4}$	5.7	77.1
$\frac{1}{2}$	5.3	77.5
E $\frac{1}{4}$	5.2	77.6
E.C.	4.7	78.1
E.L.	4.2	78.6

75 N. OF "L"

E.L.	4.6	78.2
E.C.	4.9	77.9
E $\frac{1}{4}$	5.0	77.8
$\frac{1}{2}$	5.0	77.8
W $\frac{1}{4}$	5.4	77.4
W.C.	5.8	77.3
W.L.	5.5	77.3

100 N. OF "L"

W.L.	5.3	77.5
W.C.	5.1	77.7
W $\frac{1}{4}$	5.1	77.7
$\frac{1}{2}$	5.2	77.6
E $\frac{1}{4}$	5.0	77.8
E.C.	4.8	78.0
E.L.	4.6	78.2
	4.735	82.57
	4.955	77.835

125 N. OF "L"

E.L.	4.5	78,1
E.C.	4.7	77,9
E. $\frac{1}{4}$	4.7	77,9
$\frac{1}{2}$	4.9	77,7
W. $\frac{1}{4}$	4.8	77,8
W.C.	4.8	77,8
W.L.	4.7	77,9

140 N. OF "L"

W.L.	4.4	78,2
W.C.	4.4	78,2
W. $\frac{1}{4}$	4.4	78,2
$\frac{1}{2}$	4.7	77,9
E. $\frac{1}{4}$	4.8	77,8
E.C.	4.5	78,1
E.L.	4.6	78,0

160 N. OF "L"

E.L.	4.6	78,0
E.C.	4.6	78,0
E. $\frac{1}{4}$	4.4	78,2
$\frac{1}{2}$	4.4	78,2
W. $\frac{1}{4}$	4.6	78,0
W.C.	4.8	77,8
W.L.	4.9	77,7

175 N. OF "L"

W.L.	4.7	77,9
W.C.	4.6	78,0
W. $\frac{1}{4}$	4.9	77,7
$\frac{1}{2}$	4.7	77,9
E. $\frac{1}{4}$	4.6	78,0
E.C.	4.6	78,0
E.L.	4.5	78,1

200 N. OF "L"

E.L.	4.4	78.2
E.C.	4.7	77.9
E $\frac{1}{4}$	4.6	78.0
$\frac{1}{2}$	4.7	77.9
W $\frac{1}{4}$	4.4	78.2
W.C.	4.5	78.1
W.L.	4.6	78.0

225 N. OF "L"

W.L.	4.6	78.0
W.C.	4.4	78.2
W $\frac{1}{4}$	4.2	78.4
$\frac{1}{2}$	4.5	78.1
E $\frac{1}{4}$	4.6	78.0
E.C.	4.4	78.2
E.L.	4.4	78.2

250 N. OF "L"

E.L.	4.3	78.3
E.C.	4.4	78.2
E $\frac{1}{4}$	4.5	78.1
$\frac{1}{2}$	4.6	78.0
W $\frac{1}{4}$	4.6	78.0
W.C.	4.8	77.8
W.L.	4.8	77.8

275 N. OF "L"

W.L.	4.7	77.9
W.C.	4.5	78.1
W $\frac{1}{4}$	4.5	78.1
$\frac{1}{2}$	4.5	78.1
E $\frac{1}{4}$	4.3	78.3
E.C.	4.2	78.4
E.L.	4.5	78.1

300 N. OF "L" = S.L. OF "K"

E.L.	4.3	78.3
E.C.	4.3	78.3
E/4	4.6	78.0
1/2	4.5	78.1
W. 1/4	4.6	78.0
W.C.	4.6	78.0
W.L.	4.6	78.0

380 N. OF "L" = N.L. OF "K"

W.L.	5.4	77.2
W.C.	5.5	77.1
W. 1/4	5.6	77.0
1/2	5.5	77.1
E. 1/4	5.4	77.2
E.C.	4.9	77.7
E.L.	4.8	77.8

25 N. OF "K"

E.L.	5.5	77.1
E.C.	5.6	77.0
E. 1/4	5.9	76.7
1/2	5.7	76.9
W. 1/4	5.7	76.9
W.C.	5.8	76.8
W.L.	5.9	76.7

50 N. OF "K"

W.L.	6.2	76.4
W.C.	6.1	76.5
W. 1/4	5.9	76.6
1/2	5.8	76.8
E. 1/4	5.7	76.9
E.C.	5.7	76.9
E.L.	5.6	77.0

75 N. OF "K"

E.L.	5.2	77.4
E.C.	5.5	77.7
E. 1/4	5.9	76.7
1/2	6.4	76.2
W. 1/4	6.5	76.1
W.C.	6.7	75.9
W.L.	6.8	75.8

100 N. OF "K"

W.L.	6.7	75.9
W.C.	6.3	76.3
W. 1/4	6.4	76.2
1/2	6.9	75.7
E. 1/4	6.9	75.7
E.C.	6.7	75.9
E.L.	6.6	76.0

125 N. OF "K"

E.L.	6.7	75.9
E.C.	6.7	75.9
E. 1/4	6.7	75.9
1/2	6.8	75.8
W. 1/4	6.8	75.8
W.C.	6.5	76.1
W.L.	6.9	75.7

140 N. OF "K"

W.L.	7.1	75.5
W.C.	7.1	75.5
W. 1/4	7.0	75.6
1/2	7.0	75.6
E. 1/4	6.9	75.7
E.C.	6.7	75.9
E.L.	6.6	76.0



160 N. OF "K"

E.L.	6.7	75.9
EC	6.7	75.9
E $\frac{1}{4}$	7.0	75.6
$\frac{1}{2}$	6.7	75.9
W $\frac{1}{4}$	6.6	76.0
W.C.	6.9	75.7
W.L.	7.0	75.6

175 N. OF "K"

W.L.	7.0	75.6
W.C.	6.9	75.7
W $\frac{1}{4}$	6.9	75.7
$\frac{1}{2}$	6.8	75.8
E $\frac{1}{4}$	6.9	75.7
EC	6.5	76.1
E.L.	6.6	76.0

200 N. OF "K"

E.L.	6.4	76.2
EC	6.4	76.2
E $\frac{1}{4}$	7.0	75.6
$\frac{1}{2}$	6.8	75.8
W $\frac{1}{4}$	6.8	75.8
W.C.	7.1	75.5
W.L.	6.9	75.7

225 N. OF "K"

W.L.	6.9	75.7
W.C.	6.8	75.8
W $\frac{1}{4}$	6.8	75.8
$\frac{1}{2}$	6.7	75.9
E $\frac{1}{4}$	6.6	76.0
EC	6.6	76.0
E.L.	6.5	76.1

250 N. OF "K"

E.L.	G.5	76,1
E.C.	G.5	76,1
E. 1/4	G.2	76,4
1/2	G.4	76,2
W. 1/4	G.3	76,3
W.C.	G.8	75,8
W.L.	G.9	75,7

275 N. OF "K"

W.L.	G.3	76,3
W.C.	G.8	75,8
W. 1/4	G.9	75,7
1/2	G.7	75,9
E. 1/4	G.6	76,0
E.C.	G.8	75,8
E.L.	G.4	76,2

300 N. OF "K" = S.L. OF "J"

E.L.	G.3	76,3
E.C.	G.5	76,7
E. 1/4	G.5	76,1
1/2	G.5	76,1
W. 1/4	G.5	76,1
W.C.	G.4	76,2
W.L.	G.5	76,1

S.C. OF "J"

W.L.	G.2	76,4
W.C.	G.3	76,3
W. 1/4	G.5	76,1
1/2	G.4	76,2
E. 1/4	G.2	76,4
E.C.	G.3	76,3
E.L.	G.1	76,5

X

S  $\frac{1}{4}$  OF "J"

E.L.	G.1	76.5
E.C.	G.2	76.4
E $\frac{1}{4}$	G.4	76.4
$\frac{1}{2}$	G.4	76.4
W $\frac{1}{4}$	G.3	76.3
W.C.	G.2	76.4
W.L.	G.1	76.5

 $\frac{1}{2}$  OF "J"

W.L.	G.2	76.4
W.C.	G.2	76.4
W $\frac{1}{4}$	5.7	76.9
$\frac{1}{2}$	5.5	77.0
E $\frac{1}{4}$	5.8	76.8
E.C.	G.0	76.6
E.L.	G.1	76.5

17

N.  $\frac{1}{4}$  OF "J"

E.L.	G.0	76.6
E.C.	5.8	76.8
E $\frac{1}{4}$	5.6	77.0
$\frac{1}{2}$	5.2	77.4
W $\frac{1}{4}$	5.5	77.1
W.C.	5.7	76.9
W.L.	G.1	76.4

N.C. OF "J"

W.L.	5.9	76.7
W.C.	5.6	77.0
W $\frac{1}{4}$	5.3	77.3
$\frac{1}{2}$	5.4	77.2
E $\frac{1}{4}$	5.7	76.9
E.C.	5.9	76.7
E.L.	G.0	76.6

380 N. OF "K" = N.L. OF "J"

E.L.	5.9	76.7
E.C.	6.0	76.6
E. 1/4	6.0	76.6
1/2	6.0	76.6
W. 1/4	5.6	77.0
W.C.	5.8	76.8
W.L.	6.0	76.6
B.M.	2.51	80.06

NAIL IN FENCE COR.  
50' E OF S.E. COR  
"K" & 31 ST.

50.07  
20.06  
.01

CROSS SECTIONS OVER 32<sup>ND</sup> ST 18  
FROM "A" TO "M" STS.

OCT 16, 1905 { COVERT  
MUNSON  
HALLAM.

S.W. COR  
32<sup>ND</sup> & "K"

B.M. 0.57 82.70

82.13

N.L. OF "M" = 0

E.L.	8.4	74.3
E.C.	6.9	75.8
E. 1/4	6.9	75.8
1/2	6.8	75.9
W. 1/4	7.0	75.7
W.C.	8.0	74.7
W.L.	7.6	75.1

25' - NORTH OF "M"

W.L.	7.7	75.0
W.C.	7.4	75.3
W. 1/4	6.7	76.0
1/2	6.8	75.9
E. 1/4	6.9	75.8
E.C.	7.0	75.7
E.L.	7.4	75.3

82.70

50' - NORTH OF M.

E.L.	9.6	73.1
E.C.	9.2	73.5
E 1/4	8.9	73.8
1/2	7.2	75.5
W 1/4	6.9	75.8
W.C.	7.8	74.9
W.L.	7.6	75.1

75' - NORTH OF M.

W.L.	6.9	75.8
W.C.	7.6	75.1
W 1/4	6.8	75.9
1/2	6.8	75.9
E 1/4	8.5	74.2
E.C.	9.5	73.2
E.L.	9.5	73.2

82.70

100' - NORTH OF M.

E.L.	13.0	69.7
E.C.	11.7	71.6
E 1/4	10.5	72.2
1/2	6.7	76.0
W 1/4	7.7	75.0
W.C.	7.5	75.2
W.L.	7.2	75.5

125' - NORTH OF M.

W.L.	7.9	74.8
W.C.	8.1	74.6
W 1/4	7.6	75.1
1/2	7.6	75.1
E 1/4	8.3	74.4
E.C.	9.2	73.5
E.L.	9.5	72.9

19

18

82.70

140' NORTH OF M

E.L	9.3	73.4
E.C	8.6	74.1
E 1/4	7.4	75.3
1/2	6.6	76.1
W 1/4	7.9	74.8
W.C	8.1	74.6
W.L	8.0	74.7

160' NORTH OF M

W.L	8.0	74.7
W.C	7.8	74.9
W 1/4	7.3	75.4
1/2	7.4	75.3
E 1/4	7.4	75.3
E.C	7.4	75.3
E.L	7.6	75.1

82.70

20

175' NORTH OF M

E.L	6.9	75.8
E.C	6.5	76.2
E 1/4	6.0	76.1
1/2	6.0	76.7
W 1/4	6.5	76.2
W.C	7.2	75.5
W.L	7.1	75.6

200' NORTH OF M

W.L	5.6	77.1
W.C	5.4	77.3
W 1/4	5.7	77.0
1/2	5.9	76.8
E 1/4	6.2	76.5
E.C	5.9	76.8
E.L	5.9	76.8

82.70

225 NORTH OF M.

E. L.	5.5	77.2
E. C.	5.5	77.2
E 1/4	5.9	76.8
1/2	5.8	76.9
W 1/4	5.5	77.2
W. C.	5.5	77.2
W. L.	5.3	77.4

250 NORTH OF M.

W. L.	5.0	77.7
W. C.	4.9	77.8
W 1/4	5.1	77.6
37-W	5.9	76.8
1/2	5.6	77.1
E 1/4	5.8	76.9
18-W	4.5	78.2
E. C.	4.4	78.3
E. L.	4.1	78.6

82.70

275 NORTH

E. L.	4.6	78.1
E. C.	4.7	78.0
18-W	4.7	78.0
E 1/4	5.7	77.0
1/2	5.4	77.3
37-W	5.7	77.0
W 1/4	5.0	77.7
W. C.	5.3	77.4
W. L.	5.6	77.1

300 NORTH = S. L. "L"

W. L.	5.7	77.0
W. C.	5.3	77.4
W 1/4	4.3	78.4
37-W	5.4	77.3
1/2	5.3	77.4
E 1/4	5.3	77.4
18-W	3.8	78.9
E. C.	4.2	78.5
E. L.	4.4	78.3

S.C. "L" 14 NORTH

E.L	4.4	78.3
E.C	4.2	78.5
W-W	4.2	78.5
E 1/4	5.3	77.4
3		
1/2	5.5	77.2
38-W	5.5	77.2
W 1/4	4.8	77.9
W.C.	5.4	77.3
W.L	5.5	77.2
5 1/4 "L" 27 NORTH		
W.L	5.2	77.5
W.C.	5.4	77.3
W.L	5.4	77.3
1/2	5.2	77.5
E 1/4	5.1	77.6
E.C	4.7	78.0
E.L	4.6	78.1

1/2 - "L" 40 NORTH

E.L	4.2	78.5
E.C	4.2	78.5
	3.6	
E 1/4	5.0	77.2
1/2	5.0	77.7
W 1/4	5.2	77.5
W.C.	5.2	77.5
W.L	5.4	77.3
N 1/4 - "L" 53 NORTH		
W.L	5.1	77.6
W.C.	5.1	77.6
W 1/4	4.8	77.9
1/2	4.9	77.8
E 1/4	4.8	77.9
E.C	3.8	78.9
E.L	3.9	78.8



82.70

N. C. - "L" 80 NORTH.

E.L.	4.3	78.4
E.C.	4.3	78.4
E 1/4	5.0	77.7
1/2	4.8	77.9
W 1/4	4.8	77.9
W.C.	5.1	77.6
W.L.	5.1	77.6

N. L. - "L"

W.L.	5.1	77.6
W.C.	5.1	77.6
W 1/4	4.3	78.4
37-W	5.2	77.5
1/2	4.7	78.0
E 1/4	5.0	77.7
15-W	3.9	78.8
E.C.	4.3	78.4
E.L.	4.4	78.3

82.70

25 NORTH. OF L

E.L.	3.8	78.9
E.C.	3.9	78.8
15-W	4.1	78.6
E 1/4	4.7	78.0
1/2	4.4	78.0
35-W	4.9	77.8
W 1/4	4.5	78.2
W.C.	4.9	77.8
W.L.	5.0	77.7

50 NORTH OF L

V.V.L.	4.2	78.5
V.V.C.	4.6	78.1
W 1/4	4.2	78.5
35-W	4.6	78.1
1/2	4.1	78.6
E 1/4	4.3	78.4
15-W	3.8	78.9
E.C.	3.8	78.9
E.L.	3.8	78.9

52.70

## 75' NORTH OF L

E.L.	3.5	79.2
E.C.	3.0	79.7
18-W	2.7	80.0
E 1/4	3.5	79.2
22-W	4.0	78.7
1/2	4.0	78.7
37-W	4.1	78.6
W 1/4	3.6	79.1
W.C.	4.2	78.5
W.L.	3.9	78.8

## 100' NORTH OF L

W.L.	3.8	78.9
W.C.	3.8	78.9
W 1/4	3.2	79.5
35-W	4.0	78.7
1/2	3.7	79.0
22-W	4.0	78.7
E 1/4	3.3	79.4
18-W	2.6	80.1
E.C.	2.7	79.8
E.L.	3.0	79.7

## 125' NORTH OF L

E.L.	2.6	80.1
E.C.	2.6	80.1
18-W	2.6	80.1
E 1/4	3.7	79.0
1/2	3.6	79.1
W 1/4	3.4	79.3
W.C.	3.5	79.2
W.L.	2.3	80.4

## 140' NORTH OF L

W.L.	2.8	79.9
W.C.	3.4	79.3
W 1/4	3.1	79.6
1/2	3.5	79.2
E 1/4	3.7	79.0
17-W	2.6	80.1
E.C.	2.6	80.1
E.L.	2.5	80.2

82.70

## 160' NORTH. OF L

E.L.	2.3	80.4
E.C.	2.5	80.2
E $\frac{1}{4}$	3.1	79.6
$\frac{1}{2}$	3.2	79.5
W $\frac{1}{4}$	3.0	79.7
W.C.	3.2	79.5
W.L.	3.1	79.6

## 175' NORTH. OF L

W.L.	3.0	79.7
W.C.	3.2	79.5
W $\frac{1}{4}$	3.3	79.4
$\frac{1}{2}$	3.0	79.7
E $\frac{1}{4}$	3.1	79.6
17-W	2.6	80.1
E.C.	2.4	80.3
E.L.	1.9	80.8

82.70

## 200' NORTH OF L

E.L.	2.4	80.3
E.C.	2.3	80.4
15-W	1.9	80.8
E $\frac{1}{4}$	3.1	79.6
$\frac{1}{2}$	2.9	79.8
W $\frac{1}{4}$	3.2	79.5
W.C.	3.3	79.4
W.L.	3.1	79.6

## 225' NORTH. OF L

W.L.	3.2	79.5
W.C.	3.1	79.6
W $\frac{1}{4}$	2.9	79.8
$\frac{1}{2}$	2.7	80.0
E $\frac{1}{4}$	2.3	80.4
E.C.	2.3	80.4
E.L.	2.3	80.4

82.70

250 NORTH OF L

E.L.	2.2	80.5
E.C.	2.4	80.3
E 1/4	2.7	80.0
1/2	2.5	80.2
W 1/4	2.4	80.3
W.C.	2.4	80.3
W.L.	2.7	80.0

275 NORTH OF L

W.L.	2.5	80.2
W.C.	2.4	80.3
W 1/4	2.5	80.2
1/2	2.3	80.4
E 1/4	1.8	80.9
E.C.	0.9	81.8
E.L.	1.0	81.7

4.28 86.41

82.70

300 NORTH = S.L. "K"

E.L.	0.8	81.9
E.C.	0.8	81.9
E 1/4	1.6	81.1
1/2	2.0	80.7
W 1/4	1.6	81.1
W.C.	2.2	80.5
W.L.	2.3	80.4

14 NORTH = S.C. "K"

W.L.	2.0	80.7
W.C.	1.9	80.8
W 1/4	1.7	81.0
1/2	1.9	80.8
E 1/4	1.3	81.4
E.C.	0.9	81.8
E.L.	0.8	81.9

4.28 86.41, 0.57 82.13

86.41

27 NORTH =  $5\frac{1}{4}$  "K"

E.L.	4.3	82.1
E.C.	4.4	82.0
E $\frac{1}{4}$	5.1	81.3
$\frac{1}{2}$	5.5	80.9
W $\frac{1}{4}$	5.4	81.0
W.C.	5.4	81.0
W.L.	5.5	80.9

40 NORTH =  $\frac{1}{2}$  "K"

W.L.	5.4	81.0
W.C.	5.4	81.0
W $\frac{1}{4}$	5.3	81.1
$\frac{1}{2}$	5.5	80.9
E $\frac{1}{4}$	4.9	81.5
E.C.	4.6	81.8
E.L.	4.4	82.0

86.41

53 NORTH =  $1\frac{1}{4}$  "K"

E.L.	4.0	82.4
E.C.	4.5	81.9
E $\frac{1}{4}$	5.0	81.4
$\frac{1}{2}$	5.4	81.0
38-W	5.6	80.8
W $\frac{1}{4}$	4.8	81.6
W.C.	5.3	81.1
W.L.	5.4	81.0

66 NORTH = N.C. - "K"

W.L.	5.2	81.2
W.C.	5.1	81.3
W $\frac{1}{4}$	4.8	81.6
38-W	5.8	80.6
$\frac{1}{2}$	5.3	81.1
E $\frac{1}{4}$	4.6	81.8
E.C.	4.2	82.2
E.L.	4.0	82.4

86.41

80 NORTH = 11, L, "K"

E.L.	4.0	82.4
E.C.	4.6	81.8
E 1/4	4.5	81.9
1/2	5.3	81.1
W 1/4	5.2	81.2
W.C.	5.1	81.3
W.L.	4.8	81.6

25 NORTH OF K

W.L.	5.0	81.4
W.C.	5.0	81.4
W 1/4	4.6	81.8
38-W	5.4	81.0
1/2	5.2	81.2
E 1/4	4.8	81.6
EC	4.2	82.2
E.L.	3.9	82.5

28

86.41

50-NORTH OF K

E.L.	3.8	82.6
E.C.	4.0	82.4
E 1/4	4.7	81.7
1/2	5.2	81.2
38-W	5.5	80.9
W 1/4	4.5	81.9
W.C.	4.6	81.8
W.L.	4.6	81.8

75-NORTH OF K

W.L.	4.1	82.3
W.C.	4.1	82.3
W 1/4	4.3	82.1
35-W	5.3	81.1
1/2	5.1	81.3
22-W	5.0	81.4
18-W	4.1	82.3

86.41

E.C. 3.8 82.6

E. L. 3.8 82.6

E. 100 NORTH OF K

E.L. 3.6 82.8

E.C. 3.9 82.5

E 1/4 3.9 82.5

23 W 5.0 81.4

1/2 5.0 81.4

37 W 4.9 81.5

W 1/4 2.8 83.6

W.C. 3.0 83.4

W.L. 3.2 83.2

125 NORTH OF K

W.L. 3.5 82.9

W.C. 3.1 83.3

41-W 3.1 83.3

37-W 4.8 81.6

86.41

29

1/2 4.8 81.6

23-W 4.9 81.5

19-W 3.4 83.0

E.C. 3.8 82.6

E.L. 3.5 82.9

140 - NORTH OF K

E.L. 3.4 83.0

E.C. 3.5 82.9

E 1/4 4.2 82.2

1/2 4.8 81.6

37-W 4.8 81.6

42-W 2.8 82.6

W.C. 3.0 83.4

W.L. 3.3 83.1

100 - NORTH OF K

W.L. 3.3 83.1

W.C. 2.9 83.5

28

86.41

	42-W	2.7	83.7
E	39-W	4.9	81.5
E	1/2	4.9	81.5
E	23-W	4.9	81.5
	19-W	2.9	83.5
V	E.C	3.1	83.3
V	E.L	3.1	83.3
	175-NORTH OF K		
	E.L	2.9	83.5
	E.C	2.4	84.0
	17-W	2.5	83.9
	E 1/4	4.9	81.5
	1/2	4.9	81.5
	37-W	5.0	81.4
	42-W	3.0	83.4
	W.C	3.0	83.4
	W.L	3.1	83.2

30

86.41

	200-NORTH OF K		
	W.L	2.8	83.6
	W.C	2.4	84.0
	41-W	2.6	83.8
	39-W	4.9	81.5
	1/2	4.9	81.5
	22 W	4.9	81.5
	16 W	1.9	84.5
	E.C	2.5	83.9
	E.L	2.6	83.8
	225 NORTH OF K		
	E.L	2.3	84.1
	E.C	2.4	84.0
	17-W	2.4	84.0
	22-W	5.0	81.4
	1/2	4.9	81.5
	38-W	5.0	81.4



86.41

42-W	2.5	83.9
W.C	2.6	83.8
W.L	3.0	83.4
250-NORTH OF K		
W.L	2.6	83.8
W.C	2.2	84.2
42-W	2.2	84.2
38-W	4.5	81.6
1/2	4.9	81.5
22-W	4.8	81.6
18-W	2.1	84.3
E.C	2.6	83.8
E.L	2.9	83.5
275-NORTH OF K		
E.L	2.3	84.1
E.C	2.1	84.3
17-W	1.8	84.6

86.41

22-W	5.0	81.4
1/2	5.0	81.4
38-W	5.1	81.3
42-W	2.8	83.6
W.C	3.1	83.3
W.L	3.4	83.0
300-NORTH = S.L. "J"		
W.L	3.6	82.8
W.C	3.2	83.2
43-W	2.6	83.8
38-W	5.3	81.1
1/2	5.0	81.4
22-W	4.9	81.5
17-W	2.2	84.2
E.C	2.3	84.1
E.L	2.3	84.1
14-NORTH = S.C. "J"		

56.41

E.L	2.4	84.0
E.C.	2.6	83.8
17-W	2.4	84.0
21-W	5.0	81.4
1/2	5.0	81.4
38-W	5.2	81.2
42-W	2.8	83.6
W.C	3.3	83.1
W.L	3.6	82.8
27-NORTH = S.C.	"J"	
W.L.	3.5	82.9
W.C.	3.3	83.1
41-W	3.2	83.2
38-W	5.1	81.3
1/2	4.9	81.5
E 1/4	4.5	81.8
18-W	2.3	84.1

86.41

32

E.C	2.6	83.8
E.L	2.5	83.9
40-NORTH = 1/2 "J"		
E.L.	2.4	84.0
E.C	2.7	83.7
17-W	2.4	84.0
21-W	4.7	81.7
1/2	5.0	81.4
37-W	5.1	81.3
42-W	2.7	83.7
W.C	3.0	83.4
W.L	3.3	83.1
53-NORTH = N 1/4 "J"		
W.L	3.4	83.0
W.C	2.7	83.7
42-W	2.3	84.1
37-W	4.9	81.5

	86.41	
1/2	5.0	81.4
21-W	4.8	81.6
18-W	2.5	83.9
E.C.	2.0	83.8
E.L.	2.5	83.9
66 NORTH = N.C. "J"		
E.L.	2.5	83.9
E.C.	2.7	83.7
17-W	2.4	84.0
21-W	5.3	84.1
1/2	5.1	81.3
38-W	5.3	81.1
42-W	3.0	83.4
W.C.	3.2	83.2
W.L.	3.5	82.9
80 NORTH = N.L. "J"		
W.L.	3.0	82.8

	86.41	
W.C.	3.3	83.1
43-W	3.0	83.4
37-W	5.1	81.3
1/2	5.1	81.3
E 1/4	5.3	81.1
17-W	2.4	84.0
E.C.	2.4	84.0
E.L.	2.2	84.2
1.81	86.00	2.22
84.19 N.E. HUB. 32 <sup>nd</sup> & "J"		
25' NORTH OF J		
E.L.	1.8	84.2
E.C.	2.0	84.0
17-W	2.1	83.9
21-W	4.8	81.2
1/2	4.8	81.2
39-W	4.9	81.1
43-W	2.8	83.2

185

86.00

W.C	3.0	83.0
W.L	3.4	82.6
50 NORTH OF J		
W.L	4.1	81.9
W.C	3.5	82.5
43-W	3.1	82.9
38-W	4.8	81.2
1/2	4.7	81.3
21 W	4.8	81.2
17-W	2.7	83.3
E.C	2.4	83.6
E.L	2.2	83.8
75 NORTH OF J		
E.L	2.6	83.4
E.C	3.0	83.0
17-W	2.9	83.1
21 W	4.8	81.2

34

86.00

1/2	4.7	81.3
37-W	4.8	81.2
43-W	3.3	82.7
W.C	4.0	82.0
W.L	4.4	81.6
100 NORTH OF J		
W.L	4.6	81.4
W.C	4.4	81.6
45-W	3.8	82.2
W 1/4	4.5	81.2
1/2	4.6	81.4
E 1/4	4.7	81.3
16-W	3.4	82.6
E.C	3.3	82.7
EL	3.0	83.0
125 NORTH OF J		
E.L	3.3	82.7

86.00

E.C	3.6	82.4
17-W	3.5	82.5
21-W	4.9	81.1
1/2	4.7	81.3
35-W	4.6	81.4
37-W	5.2	80.8
45-W	4.0	82.0
W.C	4.5	81.5
W.L	4.7	81.3
140-NORTH OF J		
W.L	4.7	81.3
W.C	4.3	81.7
43-W	3.9	82.1
39-W	5.0	81.0
35-W	4.8	81.4
1/2	4.7	81.3
E 1/4	4.6	81.4

86.00

16-W	3.8	82.2
E.C	3.8	82.2
E.L	3.4	82.6
160-NORTH OF J		
E.L	3.6	82.4
E.C	3.7	82.3
18-W	3.7	82.3
25-W	4.9	81.1
1/2	4.9	81.1
37-W	4.9	81.1
42-W	4.3	81.7
W.C	4.4	81.6
W.L	4.5	81.5
175 NORTH OF J		
W.L	4.7	81.3
W.C	4.4	81.6
43-W	3.9	82.1

86.00

37-W	5.0	81.0
1/2	4.9	81.1
22-W	4.6	81.4
19-W	3.7	82.3
E.C.	3.5	82.5
E.L.	3.5	82.5
200-NORTH OF J		
E.L.	3.4	82.6
E.C.	3.4	82.6
19-W	3.5	82.5
23-W	4.7	81.3
1/2	3.1	80.9
37-W	4.8	81.2
42-W	3.8	82.2
W.C.	4.1	81.9
W.L.	4.1	81.7

225-NORTH OF J

86.00

W.L.	4.1	81.9
W.C.	3.9	82.1
42-W	3.4	82.6
39-W	5.0	81.0
1/2	4.9	81.1
22-W	5.1	80.9
19-W	3.6	82.4
E.C.	3.4	82.6
E.L.	3.6	82.4
250-NORTH OF J		
E.L.	3.3	82.7
E.C.	3.3	82.7
E 1/4	3.3	82.7
23-W	4.7	81.3
1/2	4.7	81.3
36-W	4.7	81.3
41-W	3.6	82.4

86.00

W.C.	4.0	82.0
W.L	4.1	81.9
275-NORTH OF J		
W.L	3.8	82.2
W.C.	3.9	82.1
42-W	3.3	82.7
38-W	4.0	82.0
1/2	4.0	81.4
25-W	4.5	81.5
E 1/4	3.3	82.7
E.C.	3.2	82.8
E L	3.1	82.9
300-NORTH = S. L. "1"		
E.L	3.2	82.6
E.C	3.2	82.8
E 1/4	3.1	82.9
23 W	4.6	81.4

80.00

1/2	4.7	81.3
39-W	4.7	81.3
41-W	3.2	82.8
W.C	3.0	82.4
W.L	3.4	82.6
14-NORTH = S.C. "2"		
W.L	3.4	82.6
W.C	3.3	82.7
W 1/4	3.2	82.8
37-W	4.6	81.4
1/2	4.7	81.3
22-W	4.0	81.4
18-W	3.2	82.8
E.C	3.2	82.8
E.L	2.9	83.1
27-NORTH = S 1/4 "1"		
E.L	3.0	83.0

86.00

E.C	2.9	83.1
E 1/4	2.9	83.1
22 W	4.7	81.3
1/2	4.7	81.3
38-W	4.7	81.3
W 1/4	3.0	83.0
W.C.	3.1	82.9
W.L.	3.2	82.8
40-NORTH = 1/2 "I"		
W.L.	3.3	82.7
W.C.	3.1	82.9
W 1/4	3.0	83.0
38-W	4.3	81.7
1/2	4.8	81.2
22-W	4.6	81.4
15-W	2.8	83.2
E.C	3.0	83.0

86.00

E.L	3.1	82.9
53 NORTH = N 1/4 "I"		
E.L	3.1	82.9
E.C.	3.1	82.9
18-W	2.9	83.1
22-W	4.5	81.5
1/2	4.8	81.2
38-W	4.3	81.7
W 1/4	2.6	83.4
W.C	3.0	83.0
W.L.	3.1	82.9
66-NORTH = N.C. "I"		
W.L	3.3	82.7
W.C	3.0	83.0
W 1/4	2.9	83.1
37-W	4.6	81.4
1/2	4.7	81.3



86.00

22-W 4.5 81.5

18-W 3.0 83.0

E.C. 3.1 82.9

E.L. 3.1 82.9

50 NORTH - N. L. OF "I" ST.

E.L. 2.0 83.4

E.C. 2.9 83.1

18-W 3.1 82.9

22-W 4.0 81.4

1/2 4.8 81.2

37-W 4.5 81.5

W 1/4 3.0 83.0

W.C. 3.2 82.8

W.L. 3.4 82.6

4.04 87.43 2.61 83.39

~~4.04~~ 2.5-NORTH OF I

W.L. 5.0 82.4

87.43

W.C. 5.0 82.4

W. 1/4 4.3 83.1

37-W 6.4 81.0

1/2 6.2 81.2

E 1/4 6.1 81.3

15-W 3.7 83.7

E.C. 4.3 83.1

E.L. 4.2 83.2

50 NORTH OF I

E.L. 4.3 83.1

E.C. 4.1 83.3

17-W 3.0 83.8

E 1/4 6.1 81.3

1/2 6.2 81.2

37-W 6.4 81.0

W 1/4 4.3 83.1

W.C. 4.9 82.5

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87.43

W.L	4.9	82.5
75 NORTH OF I		
W.L	5.0	82.4
W.C	5.0	82.4
W <sup>1</sup> / <sub>4</sub>	4.9	82.5
36W	6.2	81.2
$\frac{1}{2}$	6.5	80.9
E <sup>1</sup> / <sub>4</sub>	6.0	81.4
17-W	4.6	82.8
E.C	4.5	82.9
E.L	4.1	83.3
100 NORTH OF I		
E.L	4.8	82.6
E.C	4.7	82.7
17-W	4.7	82.7
E <sup>1</sup> / <sub>4</sub>	5.1	81.3
$\frac{1}{2}$	6.5	80.9

87.43

40

33-W	6.4	81.0
36-W	4.8	82.6
W <sup>1</sup> / <sub>4</sub>	4.8	82.6
W.C	5.1	82.3
W.L	5.0	82.4
125 NORTH OF I		
W.L	5.0	82.4
W.C	5.1	82.3
W <sup>1</sup> / <sub>4</sub>	4.7	82.7
32W	4.5	82.9
$\frac{1}{2}$	6.1	81.3
E <sup>1</sup> / <sub>4</sub>	6.3	81.1
14W	6.1	81.3
E.C	5.0	82.4
E.L	5.0	82.4
140 NORTH OF I		
E.L	5.0	82.4

87.43

8-W	5.1	82.3
E.C.	6.2	81.2
E 1/4	6.5	80.9
2C-W	6.4	81.0
1/2	4.8	82.6
W. 1/4	5.0	82.4
W.C.	5.1	82.3
W.L.	5.0	82.4
160-NORTH OF I		
W.L.	4.9	82.5
W.C.	5.2	82.2
W 1/4	5.0	82.4
1/2	4.8	82.6
25-W	4.9	82.5
22-W	6.3	81.1
E 1/4	6.1	81.3
E.C.	6.6	80.8

87.43

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7-W	6.5	80.9
4-W	5.2	82.2
E.L.	5.2	82.2
175-NORTH OF I		
E.L.	5.2	82.2
3 W	6.7	80.7
E.C.	6.8	80.6
18-W	6.3	81.1
22-W	4.7	82.7
1/2	5.0	82.4
W 1/4	5.2	82.2
W.C.	5.1	82.3
W.L.	4.8	82.6
200-NORTH OF I		
W.L.	4.7	82.7
W.C.	5.3	82.1
W 1/4	5.1	82.3

87.43

1/2	5.3	82.0
E 1/4	5.3	82.1
17-W	5.3	82.1
B-W	6.0	80.8
E C	6.6	80.8
E. L	6.7	80.7
225 NORTH OF I		
E. L	6.5	80.9
G-W	6.5	80.9
E. C.	5.2	82.2
E 1/4	5.2	82.2
1/2	5.0	82.4
W 1/4	4.8	82.6
W.C.	5.0	82.4
W.L	4.8	82.6

87.43

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250-NORTH OF I.		
W.L	5.0	82.4
W.C	5.1	82.3
W 1/4	4.8	82.6
1/2	4.9	82.5
E 1/4	5.0	82.4
E. C.	5.1	82.3
E. L	5.8	81.6
275-NORTH OF I.		
E. L	5.0	82.4
E. C.	5.1	82.3
E 1/4	5.1	82.3
1/2	5.0	82.4
W 1/4	5.0	82.4
W. C.	4.9	82.5
W. L.	4.4	83.0

87.43

300 - NORTH. = S. L. "H"

W.L.	4.7	82.7
W.C.	4.9	82.5
W/4	4.7	82.9
1/2	4.6	82.8
E/4	4.6	82.8
E.C.	4.5	82.9
E.L.	4.8	82.6

20 NORTH = S. C. "H"

E.L.	4.8	82.6
E.C.	4.5	82.9
E/4	4.6	82.8
1/2	4.7	82.7
W/4	4.5	82.9
W.C.	4.5	82.9
W.L.	4.6	82.8

NAIL IN FENCE POST.  
 B.M. S.W. CORNER "H" & 32<sup>nd</sup> 3.65 83.78

87.43

43

35 NORTH = S. 1/4 "H"

W.L.	4.3	83.1
W.C.	4.5	82.9
W/4	4.4	83.0
1/2	4.5	82.9
E/4	4.7	82.7
E.C.	4.7	82.7
E.L.	4.9	82.5

50 NORTH = 1/2 "H"

E.L.	4.8	82.6
E.C.	4.7	82.7
E/4	4.5	82.9
1/2	4.4	83.0
W/4	4.5	82.9
W.C.	4.4	83.0
W.L.	4.3	83.1

87.43

65 NORTH = N. 1/4 "H"

W.L.	4.4	83.0
W.C.	4.6	82.8
W 1/4	4.6	82.8
1/2	4.4	83.0
E 1/4	4.5	82.9
EC	4.6	82.8
E.L.	4.6	82.8

80 NORTH = N.C. "H"

E.L.	4.7	82.7
EC	4.6	82.8
E. 1/4	4.6	82.8
1/2	4.5	82.9
W 1/4	4.4	83.0
W.C.	4.3	83.1
W.L.	4.2	83.2

87.43

100 NORTH = N. L. "H" ST.

W.L.	4.4	83.0
W.C.	4.6	82.8
W 1/4	4.5	82.9
1/2	4.6	82.8
E 1/4	4.6	82.8
EC	4.6	82.8
E.L.	4.6	82.8

25 NORTH OF H

E.L.	4.8	82.6
EC	4.7	82.7
E 1/4	4.6	82.8
1/2	4.4	83.0
W 1/4	4.4	83.0
W.C.	4.4	83.0
W.L.	3.9	83.5

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50 NORTH OF H

W.L.	3.5	83.9
W.C.	4.1	83.3
W. 1/4	4.1	83.3
1/2	4.2	83.2
E 1/4	4.7	82.7
E.C.	4.6	82.8
E.L.	4.6	82.8

75 NORTH OF H

E.L.	4.6	82.8
E.C.	4.4	83.0
E 1/4	4.1	83.3
1/2	3.6	83.8
W 1/4	3.5	83.9
W.C.	3.7	83.7
W.L.	3.4	84.0

100 NORTH OF H

W.L.	3.1	84.3
W.C.	3.4	84.0
W 1/4	3.5	83.9
1/2	3.5	83.9
E 1/4	3.6	83.8
E.C.	3.7	83.7
E.L.	4.0	83.4

125 NORTH OF H

E.L.	3.9	83.5
E.C.	3.7	83.7
E 1/4	3.5	83.9
1/2	3.6	83.8
W 1/4	3.4	84.0
W.C.	3.4	84.0
W.L.	3.2	84.2

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87.43

140 NORTH. OF H

W.L.	3.0	844
W.C.	3.4	840
W. 1/4	3.4	840
1/2	3.4	840
E 1/4	3.4	840
E.C.	3.7	83.7
E.L.	4.1	83.3

160 NORTH. OF H

E.L.	4.0	83.4
E.C.	3.7	83.7
E 1/4	3.6	83.8
1/2	3.2	84.2
W. 1/4	3.5	83.9
W.C.	3.2	84.2
W.L.	2.8	84.6

87.43

175 - NORTH. OF H

W.L.	2.8	84.6
W.C.	3.2	84.2
W. 1/4	3.4	84.0
1/2	3.7	83.7
E 1/4	4.1	83.3
E.C.	4.7	82.7
E.L.	5.6	81.8

200 - NORTH. OF H

E.L.	7.6	79.8
S-W	7.0	80.4
E.C.	6.0	81.4
E 1/4	5.7	81.7
1/2	5.1	82.3
W. 1/4	3.2	84.2
W.C.	3.1	84.3
W.L.	2.9	84.6

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87.43

225 NORTH OF H

W.L.	3.8	83.6
W.C.	4.0	83.4
43-W	4.2	83.2
W 1/4	5.6	81.8
1/2	6.7	80.7
E 1/4	7.4	80.0
E.C.	7.2	80.2
E.L.	8.1	79.3

250 NORTH OF H

E.L.	8.2	79.2
E.C.	8.0	79.4
E 1/4	8.2	79.2
1/2	7.4	80.0
W 1/4	6.1	81.3
W.C.	5.1	82.3
W.L.	5.2	82.2

87.43

275 NORTH OF H

W.L.	6.2	81.2
W.C.	6.5	80.9
W 1/4	6.7	80.7
1/2	8.1	79.3
E 1/4	8.4	79.0
E.C.	8.2	79.2
E.L.	8.7	78.7

300 NORTH = S. L. "G"

E.L.	8.7	78.7
E.C.	8.4	79.0
E 1/4	8.4	79.0
1/2	8.5	78.9
W 1/4	7.8	79.6
W.C.	7.3	80.1
W.L.	6.9	80.5

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87.43

1A NORTH = S.C. "G"

W.L.	8.1	79.3
W.C.	8.1	79.3
W. 1/4	8.3	79.1
1/2	8.6	78.8
E 1/4	8.4	79.0
E.C.	8.4	79.0
E.L.	8.5	78.9

27 NORTH = S 1/4 "G"

E.L.	8.7	78.7
E.C.	8.6	78.8
E 1/4	8.6	78.8
1/2	8.6	78.8
W. 1/4	8.2	79.2
W.C.	8.1	79.3
W.L.	7.8	79.6

87.43 8

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40 NORTH = 1/2 "G"

W.L.	7.8	79.6
W.C.	7.8	79.6
W. 1/4	8.2	79.2
1/2	8.4	79.0
E 1/4	8.6	78.8
E.C.	8.7	78.7
E.L.	8.9	78.5

53 NORTH = N 1/4 "G"

E.L.	8.6	78.8
E.C.	8.6	78.8
E 1/4	8.4	79.0
1/2	8.1	79.3
W. 1/4	7.9	79.5
W.C.	7.6	79.8
W.L.	7.3	80.1

87.43

66 NORTH = N. C. "G"

W. L.		6.9		80.5
W. C.		7.2		80.2
W. 1/4		7.5		79.9
1/2		8.2		79.2
E 1/4		8.3		79.1
E. C.		8.4		79.0
E. L.		8.4		79.0
7 E.M. B.M.	10.73	24.0 91.89	627	81.16

80 NORTH = N. L. OF "G" ST.

E. L.		12.2		79.7
E. C.		12.5		79.4
E 1/4		12.6		79.3
1/2		12.1		79.6
W. 1/4		11.8		80.1
W. C.		11.6		80.3
W. L.		11.3		80.6
B.M.		10.65		81.24

3 NAILS ON FENCE CORNER  
S.W. COR. "G" & 32<sup>ND</sup> ST.

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91.89

25 NORTH OF G

W. L.		10.8		81.1
W. C.		10.5		81.4
W 1/4		10.1		81.8
1/2		12.0		79.9
E 1/4		11.8		80.1
E. C.		11.9		80.0
E. L.		11.6		80.3

50 NORTH OF G

E. L.		11.1		80.8
E. C.		10.9		81.0
E 1/4		10.5		81.4
1/2		10.9		81.0
W. 1/4		10.9		81.0
W. C.		10.6		81.3
W. L.		10.5		81.4

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91.89

75 NORTH OF G

W.L.	9.0	82.9
W.C.	9.9	82.0
W $\frac{1}{4}$	10.5	81.4
$\frac{1}{2}$	10.1	81.8
E $\frac{1}{4}$	10.6	81.3
E.C.	11.1	80.8
E.L.	11.7	80.2

100 NORTH OF G

E.L.	10.3	81.6
E.C.	10.5	81.7
E $\frac{1}{4}$	10.4	81.5
$\frac{1}{2}$	10.0	81.9
W $\frac{1}{4}$	9.7	82.2
W.C.	9.2	82.7
W.L.	8.8	83.1

91.89

125 NORTH OF G

W.L.	8.0	83.9
W.C.	8.8	83.1
W $\frac{1}{4}$	9.0	82.9
$\frac{1}{2}$	8.8	83.1
E $\frac{1}{4}$	10.1	81.8
E.C.	11.9	80.0
E.L.	12.1	79.8

140 NORTH OF G

E.L.	12.6	79.3
E.C.	12.3	79.6
E $\frac{1}{4}$	10.9	81.0
$\frac{1}{2}$	9.9	82.0
W $\frac{1}{4}$	9.1	82.8
W.C.	8.5	83.4
W.L.	8.4	83.5

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91.89

## 160 NORTH OF G

W.L.	7.9	84.0
W.C.	7.9	84.0
W $\frac{1}{4}$	8.6	83.3
$\frac{1}{2}$	8.4	83.5
E $\frac{1}{4}$	9.5	82.4
E.C.	10.2	81.7
E.L.	11.1	80.8

## 175 NORTH OF G

E.L.	9.7	82.2
E.C.	8.6	83.3
E $\frac{1}{4}$	7.6	84.3
$\frac{1}{2}$	7.7	84.2
W $\frac{1}{4}$	7.5	84.4
W.C.	6.7	85.2
W.L.	7.2	84.7

91.89

## 200 NORTH OF G

W.L.	4.0	87.9
W.C.	4.9	87.0
W $\frac{1}{4}$	5.1	86.8
$\frac{1}{2}$	6.6	85.3
E $\frac{1}{4}$	6.0	85.9
E.C.	7.3	84.6
E.L.	8.0	83.9

## 225 NORTH OF G

E.L.	6.6	85.3
E.C.	5.7	86.9
E $\frac{1}{4}$	5.1	86.8
$\frac{1}{2}$	5.0	86.9
W $\frac{1}{4}$	4.4	87.5
W.C.	2.8	89.1
W.L.	3.1	88.8

91.89

250 NORTH OF G

W.L.	1.3	90.6
W.C.	1.5	90.4
W. 1/4	2.6	89.8
1/2	3.9	88.0
E 1/4	3.7	88.2
EC	4.2	87.7
EL	5.2	86.7

275 NORTH OF G

EL	3.1	88.8	
E.C.	2.3	89.6	
E 1/4	1.9	90.0	
1/2	2.0	89.9	
W 1/4	0.5	91.4	
W.C.	0.1	91.8	
7.47	98.96	0.42	91.47
W.L.	6.6	92.4	

98.96

300 NORTH. = S.L. - "F"

W.L.	5.0	94.0
W.C.	5.5	93.5
W. 1/4	6.6	92.4
1/2	7.0	92.0
E 1/4	7.0	92.0
EC	7.3	91.7
E.L.	7.6	91.4

14 NORTH = S.C. - "F"

EL	7.4	91.6
E.C.	6.7	92.3
E 1/4	6.4	92.6
1/2	6.0	93.0
W. 1/4	5.7	93.3
W.C.	5.4	93.6
W.L.	4.6	94.4

52

98.96

27 NORTH =  $3/4$  - "F"

W.L.	4.1	94.9
W.C.	4.6	94.4
W $1/4$	5.2	93.8
$1/2$	5.6	93.4
E $1/4$	6.5	92.5
E.C.	7.1	91.9
E.L.	7.8	91.2

40 NORTH =  $1/2$  - "F"

E.L.	7.2	91.8
E.C.	6.3	92.7
E $1/4$	5.6	93.4
$1/2$	4.9	94.1
W $1/4$	4.3	94.7
W.C.	3.7	95.3
W.L.	3.2	95.8

98.96

53

53-NORTH =  $1/4$  - "F"

W.L.	3.0	96.0
W.C.	3.5	95.5
W $1/4$	3.7	95.3
$1/2$	4.2	94.8
E $1/4$	5.0	94.0
E.C.	5.8	93.2
E.L.	6.5	92.5

66 NORTH = N.C. + "F"

E.L.	6.5	92.5
S-W	6.0	93.0
E.C.	5.0	94.0
E $1/4$	4.2	94.8
$1/2$	3.7	95.3
W $1/4$	3.2	95.8
W.C.	2.6	96.4
W.L.	2.4	96.6

98.90

80 - NORTH = N.L. OF "F" ST. = 0+0

W.L.	1.0	98.0
W.C.	1.5	97.5
W. 1/4	2.2	96.8
1/2	2.9	96.1
E 1/4	3.8	95.2
E.C.	5.6	93.4
9-W	7.1	91.9
E.L.	8.0	91.0

25 NORTH OF F

E.L.	13.0	86.0
6-W	9.7	89.3
E.C.	9.3	89.7
14-W	8.9	90.1
E 1/4	4.2	94.8
1/2	2.2	96.8
W 1/4	1.5	97.5

98.90

W.C. 0.7 98.3

W.L. 0.1 98.9

43 - NORTH OF F

W.L.	0.0	99.0
W.C.	1.1	97.9
W 1/4	2.2	96.8
1/2	3.3	95.7
E 1/4	6.5	94.5
13-W	11.0	88.0
E.C.	11.6	87.4
5-W	11.7	87.3
E.L.	13.8	85.2

50 NORTH OF F

E.L.	14.9	84.1
5-W	12.9	86.1
E.C.	12.7	86.3
16-W	12.0	87.0



E <sup>1</sup> / <sub>4</sub>	9.1	89.9
<sup>1</sup> / <sub>2</sub>	7.0	94.0
W <sup>1</sup> / <sub>4</sub>	5.0	94.0
W.C.	3.4	95.6
W.L.	1.3	97.7
65 NORTH OF F		
W.L.	7.1	91.9
W.C.	8.8	90.2
W <sup>1</sup> / <sub>4</sub>	10.3	88.7
<sup>1</sup> / <sub>2</sub>	12.0	87.0
E <sup>1</sup> / <sub>4</sub>	14.3	84.7
E.C.	14.6	84.4
E.L.	15.5	83.5
75 NORTH OF F		
E.L.	14.8	84.2
E.C.	14.7	84.3
E <sup>1</sup> / <sub>4</sub>	14.9	84.1

<sup>1</sup> / <sub>2</sub>	13.6	85.4
W <sup>1</sup> / <sub>4</sub>	11.5	87.5
W.C.	9.8	89.2
W.L.	8.1	90.6
100 - NORTH OF F		
W.L.	10.7	88.3
W.C.	11.9	87.1
W <sup>1</sup> / <sub>4</sub>	13.2	85.8
<sup>1</sup> / <sub>2</sub>	13.5	85.5
E <sup>1</sup> / <sub>4</sub>	13.2	85.8
E.C.	13.4	85.6
E.L.	13.4	85.6
125 NORTH OF F		
E.L.	9.9	89.1
E.C.	11.1	87.9
E <sup>1</sup> / <sub>4</sub>	11.4	87.6
<sup>1</sup> / <sub>2</sub>	11.7	87.3

98.96

W 1/4	11.8	87.2
W C	11.9	87.1
W.L	11.1	87.9
140 - NORTH OF F		
W.L	11.0	88.0
W.C	11.4	87.6
W 1/4	11.0	88.0
1/2	11.0	88.0
E 1/4	8.6	90.4
E.C	8.5	90.5
E.L	7.3	91.7
160 - NORTH OF F		
E.L	11.7	97.3
E.C	11.7	97.3
E 1/4	4.7	94.3
1/2	5.0	94.0
W 1/4	8.5	90.5

98.96

W.C	10.9	88.1	
W.L	10.8	88.2	
175 - NORTH OF F			
W.L	9.8	89.2	
W.C	7.7	91.3	
W 1/4	4.6	94.4	
1/2	2.7	96.3	
E 1/4	0.4	98.6	
E.C	0.3	98.7	
E.L	0.5	98.5	
200 - NORTH OF F			
W.L	5.3	93.7	
W.C	1.5	97.5	
13.00	111.84	0.14	98.84
W 1/4	11.7	100.1	
1/2	11.3	100.5	
E 1/4	11.6	100.2	

111.84

E.C. 12.2 99.6

E.L. 12.3 99.5

225 NORTH OF F

E.L. 11.9 99.9

E.C. 11.1 100.7

E 1/4 10.7 101.1

1/2 10.7 101.1

W 1/4 10.2 101.6

W.C. 9.9 101.9

W.L. 10.2 101.6

250 NORTH OF F

W.L. 8.1 103.7

W.C. 8.8 103.0

W 1/4 9.7 104.1

1/2 10.5 101.3

E 1/4 11.7 100.1

E.C. 12.3 99.5

111.84

E.L. 12.8 99.0

275-NORTH OF F

E.L. 12.9 98.8

E.C. 12.2 99.6

E 1/4 10.8 101.0

1/2 9.4 104.4

W 1/4 8.5 103.3

W.C. 7.5 104.3

W.L. 6.2 105.6

300 NORTH = S.L. - "E"

W.L. 4.2 107.6

W.C. 5.1 106.7

W 1/4 6.3 105.5

1/2 7.3 104.5

E 1/4 9.2 102.6

E.C. 9.9 101.9

E.L. 11.0 100.8

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111.84

14 NORTH = S.C. - "E"

E.L.	10.2	101.6
E.C.	9.2	102.6
E. 1/4	8.0	103.8
1/2	6.8	105.0
W 1/4	5.0	106.8
W.C.	3.5	108.3
W.L.	2.1	109.7

27 NORTH = S 1/4 "E"

W.L.	0.9	110.9
W.C.	2.2	109.6
W. 1/4	4.0	107.8
1/2	5.9	105.9
E 1/4	7.2	104.6
E.C.	8.2	103.6
E.L.	9.5	102.3
B.M.	HUB AT S.E. COR. E & 32ND ST.	11.01 100.83

111.84

40 NORTH = 1/2 "E"

E.L.	8.5	103.3
E.C.	7.2	104.6
E. 1/4	5.9	105.9
1/2	4.5	107.3
W. 1/4	2.6	109.2
W.C.	1.4	110.4
W.L.	0.4	111.4

53 NORTH = N 1/4 "E"

W.L.	+ 0.6	112.4
W.C.	0.6	111.2
W. 1/4	1.9	109.9
1/2	3.3	108.5
E 1/4	4.8	107.0
E.C.	6.2	105.6
E.L.	7.4	104.4
B.M.	HUB AT S.W. COR. E & 32ND ST.	4.25 107.59

58

111.84

66 NORTH = N.C. "E"

E.L	6.0	105.8
E.C	5.9	105.9
E 1/4	3.4	108.4
1/2	1.7	110.1
W 1/4	0.6	111.2

80 NORTH = N.L. "E" ST.

E.L	4.5	107.3
E.C	3.3	108.5
E 1/4	1.9	109.9
1/2	0.6	111.2

25 NORTH OF E.

E.L	1.7	110.1
E.C	0.4	111.4

12.80 124.36 0.28 111.56

66 NORTH = N.C. "E"

W.C	12.2	112.2
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124.36

59

W.L 10.8 113.6

80 NORTH = N.L. "E" ST.

W.L	9.3	115.1
W.C	10.0	113.8
W 1/4	11.9	112.5

25 - NORTH OF E.

W.L	5.7	118.7
W.C	7.8	116.6
W 1/4	9.3	115.1
1/2	10.7	113.7
E 1/4	11.8	112.6

50 NORTH OF "E"

E.L	11.5	112.9
E.C	10.2	114.2
E 1/4	8.4	116.0
1/2	7.1	117.3
W 1/4	5.5	118.9

12436

W.C.	3.7	120,7
W.L	1.9	122,5
75 NORTH OF E		
W.L	+ 1.9	126,3
W.C	0.0	124,4
W <sup>1</sup> / <sub>4</sub>	2.0	122,4
$\frac{1}{2}$	4.2	120,2
E <sup>1</sup> / <sub>4</sub>	5.7	118,7
E.C	7.3	117,1
E.L	8.7	115,7
100 NORTH OF E		
E.L	5.7	118,7
E.C	3.4	121,0
E <sup>1</sup> / <sub>4</sub>	1.7	122,7
$\frac{1}{2}$	0.1	124,9
125 NORTH OF E		
E.L	2.2	122,2

E.C	0.2	124,2
1235	136.91	0.30°
124.06		
100 NORTH OF "E"		
W.L	7.0	129,9
W.C	8.7	128,2
W <sup>1</sup> / <sub>4</sub>	11.1	125,8
125 NORTH OF E		
E <sup>1</sup> / <sub>4</sub>	10.8	126,1
$\frac{1}{2}$	9.1	127,8
W <sup>1</sup> / <sub>4</sub>	7.8	129,7
W.C	5.7	131,2
W.L	3.9	133,0
140 NORTH OF E		
W.L	1.5	135,4
W.C	3.5	133,4
W <sup>1</sup> / <sub>4</sub>	5.2	131,7
$\frac{1}{2}$	6.9	130,0

100	202 N	W.C.	2.4	
			136.91	
E 1/4			8.4	128.5
E.C.			10.3	126.6
E.L.			12.3	124.6
160 NORTH OF E				
E.L.			9.1	127.5
E.C.			7.3	129.6
E 1/4			5.1	131.8
1/2			3.3	133.6
W 1/4			1.3	135.6
175 - NORTH OF E				
E.L.			6.1	130.5
E.C.			3.7	133.2
E 1/4			2.0	134.9
1/2			0.5	136.4
	12.99	149.76	0.14	136.77
W 1/4			10.7	139.1
W.C.			9.1	140.7

			149.76	
W.L.			7.8	142.0
160 NORTH OF E				
W.L.			9.9	139.9
W.C.			11.6	138.2
200 NORTH OF E				
W.L.			0.5	149.3
W.C.			2.7	147.1
W 1/4			4.6	145.2
1/2			6.9	142.9
E 1/4			9.3	140.5
E.C.			11.9	137.9
E.L.			15.3	134.5
225 NORTH OF E				
E.L.			11.9	137.9
E.C.			8.5	141.3
E 1/4			5.1	144.7
1/2			2.8	147.0

		149.70		
W 1/4		0.5	149.3	
	250 NORTH OF E			
1/2		+ 0.2	150.0	
E 1/4		2.4	147.4	
E.C.		4.9	144.9	
E.L.		8.0	141.8	
	275 NORTH OF E			
E.L.		6.0	143.8	
E.C.		3.4	146.4	
B.M.	12.97	159.74	2.99	146.77
E 1/4		9.6	150.1	
1/2		7.4	154.3	
W 1/4		5.6	154.1	
W.C.		3.9	155.8	
W.L.		2.2	157.5	
	225 NORTH OF E			
W.C.		8.2	151.5	

S.E. HUB  
FOR 32<sup>nd</sup>  
and 'D'

		159.74		
W.L.		6.2	153.5	
	250 NORTH OF E			
W.L.		3.9	155.8	
W.C.		5.8	153.9	
W 1/4		7.7	154.0	
	300 NORTH - S.L. "D" ST.			
E.L.		13.00	146.7	
E.C.		10.7	149.0	
E 1/4		8.3	151.4	
1/2		6.0	153.7	
W 1/4		3.9	155.8	
W.C.		2.5	157.2	
W.L.		0.8	158.9	
B.M.	1.12	159.66	1.10	158.64
	14 NORTH = S.C. - D			
W.L.		0.3	159.4	
W.C.		1.9	157.8	

HUB AT  
S.W. COR  
D. R. 32



159.66

W. 1/4	3.4	156.3
1/2	5.0	154.7
E 1/4	7.4	152.3
E.C	9.5	150.2
E.L	11.5	148.2

27 NORTH = S. 1/4 - D.

E.L	10.3	149.4
E.C	8.6	151.1
E 1/4	6.3	153.4
1/2	4.3	155.4
W 1/4	2.6	157.1
W.C	1.3	158.4
W.L	+ 0.3	160.0

40 NORTH = 1/2 D

W.L	+ 1.1	160.8
W.C	0.8	158.9
W 1/4	1.8	157.9

159.66

1/2	3.8	155.9
E 1/4	5.5	154.2
E.C	7.4	152.3
E.L	9.4	150.3

53 NORTH = N 1/4 D

E.L	8.4	151.3
E.C	6.6	153.1
E 1/4	4.6	155.1
1/2	2.3	157.4
W 1/4	0.9	158.8

66 NORTH = N.C. D.

W 1/4	0.6	159.1
1/2	2.1	157.6
E 1/4	4.1	155.6
E.C	6.0	153.7
E.L	8.0	151.7

80 NORTH = N.L. D

159.66

E.L	6.5	153.2
E.C	5.0	154.7
E <sup>1/4</sup>	3.2	156.5
1/2	1.7	158.0
W <sup>1/4</sup>	0.2	159.5

25 NORTH OF D.

1/2	0.3	159.4
E <sup>1/4</sup>	2.5	157.2
E.C	3.5	156.2
E.L	5.1	154.6

50 NORTH OF D

E.L	3.3	156.4
E.C	1.5	158.2
E <sup>1/4</sup>	0.5	159.2

12.92 172.085 0.495 159.165

1/2	10.9	161.2
W <sup>1/4</sup>	9.3	162.8

172,085

W.C	7.1	165.0
W.L	4.8	167.3
53 NORTH = N <sup>1/4</sup> D.		
W.L	10.8	161.3
W.C	11.9	160.2

66 NORTH = N.C - D

W.L	10.1	162.0
W.C	11.5	160.6

50 NORTH = N.L - D

W.L	8.9	163.2
W.C	11.1	161.0

25 NORTH OF D.

W.L	6.6	165.5
W.C	8.7	163.4
W <sup>1/4</sup>	10.3	161.8

75 NORTH OF D.

E <sup>1/4</sup>	13.5	158.6
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172.085

E.C	12.0	160.0
E $\frac{1}{4}$	10.6	161.5
$\frac{1}{2}$	8.9	163.2
W $\frac{1}{4}$	7.6	164.5
W.C	5.6	166.5
W.L	3.4	168.7

100 NORTH OF D

W.L	2.5	169.6
W.C	4.1	168.0
W $\frac{1}{4}$	6.4	165.7
$\frac{1}{2}$	7.3	164.8
E $\frac{1}{4}$	8.8	163.3
E.C	10.0	162.1
E.L	11.2	160.9

125 NORTH OF D.

E.L	9.4	162.7
E.C	8.2	163.9

172.085

E $\frac{1}{4}$	7.0	165.1
$\frac{1}{2}$	5.6	166.5
W $\frac{1}{4}$	4.3	167.8
W.C	2.9	169.2
W.L	1.1	171.0

140 NORTH OF D

W.L	0.4	171.7
W.C	2.2	169.9
W $\frac{1}{4}$	3.3	168.8
$\frac{1}{2}$	4.8	167.3
E $\frac{1}{4}$	6.2	165.9
E.C	7.2	164.9
E.L	8.2	163.9

160 NORTH OF D.

E.L	6.7	165.4
E.C	6.0	166.1
E $\frac{1}{4}$	5.1	167.0

172.085

1/2	3.9	168.2
W 1/4	2.7	169.4
W.C	1.1	171.2
W.L	0.0	172.1

160 NORTH OF D.

W.L	+0.5	172.6
W.C	0.3	171.5
W 1/4	1.8	170.3
1/2	3.2	168.9
E 1/4	4.1	168.0
E.C	5.1	167.0
E.L	5.9	166.2

175 NORTH OF D.

E.L	4.9	167.2
E.C	3.9	168.2
E 1/4	3.0	169.1
1/2	1.8	170.3

172.085

W 1/4	0.7	171.4
W.C	0.3	171.8
W.L	+1.1	173.2

200 NORTH OF D.

1/2	0.9	171.2
E 1/4	2.0	170.1
E.C	2.9	169.2
E.L	3.9	168.2

225 NORTH OF D.

E.L	2.5	169.3
E.C	2.1	170.0
E 1/4	1.2	170.9

11.135 182.47 0.75 171.335

1/2	11.2	171.3
W 1/4	10.4	172.1
W.C	9.3	173.2
W.L	8.1	174.4

182.47

200 NORTH OF D

W.L.	8.7	173.8
W.C.	9.8	172.7
W 1/4	11.2	171.3

250 NORTH OF D.

W.L.	6.7	175.8
W.C.	8.2	174.3
W 1/4	9.2	173.3
1/2	10.3	172.2
E 1/4	11.4	171.1
E.C.	12.3	170.2
E.L.	13.1	169.4

275 NORTH OF D.

E.L.	12.7	169.8
E.C.	12.0	170.5
E 1/4	10.8	171.7
1/2	9.8	172.7

182.47

W 1/4	8.6	173.9
W.C.	7.1	175.4
W.L.	5.6	176.9

302 NORTH = S.L. - 'C'

W.L.	5.4	177.1
W.C.	6.7	175.8
W 1/4	8.1	174.4
1/2	9.5	173.0
E 1/4	10.5	172.0
E.C.	11.5	171.0
E.L.	13.0	169.5

14 NORTH = S.C. - 'C'

E.L.	13.5	169.0
E.C.	11.9	170.6
E 1/4	10.0	172.5
1/2	9.3	173.2
W 1/4	8.1	174.4

-192.47

W.C	6.5	176.0
W.L	5.1	177.4
27 NORTH = S. $\frac{1}{4}$ "C"		
W.L	5.2	177.3
W.C	6.7	175.8
W $\frac{1}{4}$	7.8	174.7
$\frac{1}{2}$	8.9	173.6
E. $\frac{1}{4}$	10.5	172.0
E.C	12.1	170.4
E.L	13.5	169.0
40 NORTH = $\frac{1}{2}$ "C"		
E.L	13.5	169.0
E.C	12.1	170.4
E $\frac{1}{4}$	10.4	172.1
$\frac{1}{2}$	8.9	173.6
W $\frac{1}{4}$	7.8	174.7
W.C	6.4	176.1

182.47

68

W.L	5.1	177.4
53 NORTH = N $\frac{1}{4}$ C		
W.L	4.9	177.6
W.C	6.3	176.2
W $\frac{1}{4}$	7.8	174.7
$\frac{1}{2}$	9.2	173.3
E $\frac{1}{4}$	10.8	171.7
E.C	12.7	169.8
E.L	14.2	168.3
66 NORTH = N.C. "C"		
E.L	14.6	167.9
E.C	13.0	169.5
E $\frac{1}{4}$	11.4	171.1
$\frac{1}{2}$	9.4	173.1
W $\frac{1}{4}$	7.8	174.7
W.C	6.1	176.4
W.L	4.7	177.8

182.47

HUB AT N.W. COR.			
B.M.	"C" & 32 <sup>ND</sup> ST.	4.73	177.74
	80 NORTH = N.L.	-C.	
W.L.		4.6	177.9
W.C.		6.3	176.2
W. 1/4		7.8	174.7
1/2		10.0	172.5
E 1/4		12.2	170.3
E.C.		13.4	169.1
	0.63 178.37	4.73	177.74
E.C.		10.5	167.9
HUB AT NE COR.			
B.M.	"C" & 32 <sup>ND</sup> ST.	10.55	167.82
	25- NORTH OF C		
E.L.		10.8	167.6
E.C.		9.6	168.8
E 1/4		8.4	170.0
1/2		6.5	171.9
W 1/4		5.0	173.4

178.37

W.C.		2.4	176.0
W.L.		0.9	177.5
	50 NORTH OF C		
W.L.		0.7	177.7
W.C.		2.7	175.7
W. 1/4		5.1	173.3
1/2		7.0	171.4
E 1/4		7.7	170.7
E.C.		8.7	169.7
E.L.		10.2	168.2
	75 NORTH OF C		
E.L.		10.6	167.8
E.C.		9.5	168.9
E 1/4		7.5	170.9
1/2		5.8	172.6
W 1/4		3.6	174.8
W.C.		1.8	176.6

68

175.37

W.L 0.4 178.0

100 NORTH OF 'C'

W.L 0.0 178.4

W.C 1.9 176.5

W 1/4 3.3 175.1

1/2 5.2 173.2

E 1/4 6.7 171.7

E.C 8.5 169.9

E.L 9.8 168.6

125 NORTH OF C

E.L 9.9 168.5

E.C 8.4 170.0

E 1/4 6.8 171.6

1/2 5.5 172.9

W.C 3.7 174.7

W 1/4 2.0 176.4

W.L 0.3 178.1

70

178.37

140 NORTH OF C

W.L 0.9 177.5

W.C 2.6 175.8

W 1/4 4.7 173.7

1/2 6.2 172.2

E 1/4 8.0 170.4

E.C 10.0 168.4

E.L 11.5 166.6

160 NORTH OF C

E.L 15.3 163.1

E.C 12.0 166.4

E 1/4 9.5 168.6

1/2 7.6 170.8

W 1/4 5.5 172.9

W.C 3.8 174.6

W.L 1.5 176.9

175 NORTH OF C



	178.37		
W.L	2.0	176.4	
W.C	4.1	174.3	
W 1/4	6.3	172.1	
1/2	7.9	170.5	
E 1/4	10.6	167.8	
E.C.	15.4	163.0	163.0
E.L	21.2	157.2	157.2
200 NORTH OF C			
E.L	13.6	164.8	
E.C	11.3	167.1	
E 1/4	8.0	170.4	
1/2	6.6	171.8	
W 1/4	5.3	173.1	
W.C	3.7	174.7	
W.L	2.0	176.4	

225 NORTH OF C

W.L	+ 0.6	172.0	
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	178.37			71
W.C	0.8	177.6		
W 1/4	2.0	176.4		
1/2	3.5	174.9		
E 1/4	4.5	173.9		
E.C	5.4	170.0		
E.L	6.4	172.0		
250 NORTH OF C				
E.L	3.8	174.6		
E.C	2.5	175.9		
E 1/4	1.2	177.2		
10.18	188.25	0.30	178.07	
1/2	9.3	179.0		
W 1/4	8.4	179.9		
W.C	7.0	181.0		
W.L	5.3	183.0		
275 NORTH OF C				
W.L	2.4	185.9		

W.C	4.3	184.0
W <sup>1</sup> / <sub>4</sub>	5.8	182.5
<sup>1</sup> / <sub>2</sub>	7.3	181.0
E.C	8.8	179.5
E <sup>1</sup> / <sub>4</sub>	10.2	178.1
E.L	11.8	176.5

300 NORTH = S, L - B

E.L	11.4	176.9
E.C	9.3	179.0
E <sup>1</sup> / <sub>4</sub>	7.6	180.7
<sup>1</sup> / <sub>2</sub>	5.9	182.4
W <sup>1</sup> / <sub>4</sub>	4.4	183.9
W.C	1.7	186.6
W.L	0.7	187.6

HUB AT S, E. COR.

B.M. B. & 32<sup>ND</sup> ST. 11.44 176.91

HUB AT S, W. COR.

B.M. B. & 32<sup>ND</sup> ST. 0.75 187.50

14 NORTH = S, C. - B.

72

W.L	0.3	188.0
W.C	2.4	185.9
W <sup>1</sup> / <sub>4</sub>	4.5	183.8
<sup>1</sup> / <sub>2</sub>	6.1	182.2
E <sup>1</sup> / <sub>4</sub>	8.0	180.3
E.C	10.1	178.2
E.L	12.6	175.7

27 NORTH = S<sup>1</sup>/<sub>4</sub> - B

E.L	13.5	174.8
E.C	11.0	177.3
E <sup>1</sup> / <sub>4</sub>	8.2	180.1
<sup>1</sup> / <sub>2</sub>	6.5	181.8
W <sup>1</sup> / <sub>4</sub>	4.7	183.6
W.C	2.4	185.9
W.L	0.2	188.1

40 NORTH = <sup>1</sup>/<sub>2</sub> B.

W.L	1.0	187.3
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52

157.25

W.C	3.0	185.3
W 1/4	5.1	183.2
V 1/2	7.5	180.8
E 1/4	9.5	178.8
E.C	12.2	176.1
E.L	15.2	173.1

53 - NORTH = N 1/4 B

E 1/4	11.3	177.0
1/2	8.6	179.7
W 1/4	6.6	181.7
W.C	4.4	183.9
W.L	1.7	186.4

66 - NORTH = N.C. 'B'

W.L	3.2	185.1
W.C	5.8	182.5
W 1/4	8.5	179.8
1/2	11.2	177.1

73

188.25

E 1/4	13.1	175.2
50 NORTH = N.L. - 'B'		
1/2	12.8	175.5
W 1/4	10.1	178.2
W.C	7.5	180.8
W.L	4.8	183.5

25 N. OF B.

W.L	6.8	181.5
W.C	9.5	178.8
W 1/4	13.0	175.3

4.89 180.36 12.79 175.97

1/2	7.9	172.5
E 1/4	10.8	169.6
E.C	13.2	167.2
E.L	15.6	163.8

53 NORTH = N 1/4 'B'

E.L	9.5	170.9
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65

180.30

E.C. 6.3 174.1

66 NORTH = N.C. 'B'

E.L. 10.9 169.5

E.C. 8.7 171.7

80 NORTH = N.L. 'B'

E.L. 13.6 166.8

E.C. 10.6 169.8

E 1/4 7.3 173.1

50 NORTH OF B.

W.L. 0.9 179.5

W.C. 4.3 176.1

W 1/4 7.5 172.9

1/2 10.3 170.1

E 1/4 13.4 167.0

75 NORTH OF 'B'

W.L. 2.1 178.3

W.C. 5.5 174.9

74

180.30

W 1/4 9.0 171.4

1/2 12.4 168.0

100 NORTH OF B.

W.L. 3.9 176.5

W.C. 5.8 174.6

W 1/4 8.8 171.6

1/2 12.8 169.6

125 NORTH OF B.

W.L. 4.4 176.0

W.C. 6.9 173.5

W 1/4 9.6 170.8

1/2 12.6 167.8

140 NORTH OF B.

W.L. 4.9 175.5

W.C. 7.0 173.4

W 1/4 9.4 171.0

1/2 12.4 168.0

160 NORTH OF B

W.L	4.5	1759
W.C	7.1	1733
W 1/4	9.4	171.0
1/2	12.5	167.9

175 NORTH OF B

W.L	4.3	176.1
W.C	7.1	173.3
W 1/4	9.2	171.2
1/2	11.6	168.8

200 NORTH OF B

W.L	4.5	175.9
W.C	6.5	173.8
W 1/4	8.8	171.6
1/2	11.2	169.2

225 NORTH OF B

W.L	4.2	176.2
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W.C	6.9	173.5
W 1/4	9.5	170.9
1/2	12.0	168.4

250 NORTH OF B

W.L	4.6	175.8
W.C	7.4	173.0
W 1/4	9.7	170.7
1/2	12.2	168.2

275 NORTH OF B

W.L	4.6	175.8
W.C	6.4	174.0
W 1/4	9.3	171.1
1/2	12.7	167.7

300 NORTH OF B = S. L. - A

W.L	5.3	175.1
W.C	7.5	172.9
W 1/4	10.0	170.4

		13.6	166.8
B.M	HUB AT S.W. COR 'A' @ 32 <sup>ND</sup> ST.	5.31	175.05
	14 NORTH = S C. - A.		
W.L		5.2	175.2
W.C		7.8	172.6
W 1/4		11.3	169.1
	27 NORTH = S 1/4 - A		
W.L		5.7	174.7
W.C		9.1	171.3
W 1/4		12.1	168.3
	40 NORTH = 1/2 A.		
W.L		7.0	173.4
W.C		10.4	170.0
W 1/4		13.6	166.8
	53 NORTH = N. 1/4 A		
W.L		8.2	172.2
W.C		11.9	168.5

	66 NORTH = N.C	'A'	
W.L		9.8	170.6
W.C		12.9	167.5
	80 NORTH = N.L. - A.		
W.L		12.2	168.3
	0.07 167.56 12.89 767.97		
	50 NORTH OF B.		
E.L		6.0	161.6
E.C		3.8	163.8
	75 NORTH OF B.		
E.L		8.5	159.1
E.C		5.9	161.7
E 1/4		3.3	164.3
	150 NORTH OF B		
E.L		8.8	158.8
E.C		6.2	161.4
E 1/4		3.6	164.0

07

167.56

125 NORTH OF B.

E.L	8.9	158.7
EC	5.7	161.9
E/A	3.3	164.3

140 NORTH OF B.

E.L	8.6	159.6
EC	6.2	161.4
E/A	2.9	164.7

160 NORTH OF B.

EL	8.0	159.6
EC	5.4	162.2
E/A	2.9	164.7

175 NORTH OF B'

EL	8.0	159.6
EQ	5.2	162.4
E/A	2.0	165.6

200 NORTH OF B

77

167.56

E.L	7.8	159.8
EC	5.0	162.6
E/A	2.0	165.6

225 NORTH OF B.

E.L	8.5	159.4
EC	5.3	162.3
E/A	2.2	165.4

250 NORTH OF B.

EL	8.9	158.7
EC	5.8	161.8
E/A	2.6	165.0

275 NORTH OF B.

EL	9.6	158.0
EC	6.3	161.3
E/A	3.2	164.4

300 NORTH OF B = S.L. A.

EL	12.0	155.6
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167.50

E.C. 7.0 160.0

E 1/4 4.5 163.1

14 NORTH = S.C. A.

E.L. 12.4 155.2

E.C. 9.7 157.9

E 1/4 6.0 161.6

1/2 12.9 164.7 164.7

9.10 164.70 11.9.6 155.60

27 NORTH = 3 1/4 A.

E.L. 10.3 154.4

E.C. 7.0 152.1

E 1/4 3.8 160.9

1/2 0.8 163.9

40 NORTH = 1/2 A.

E.L. 11.5 153.2

E.C. 8.5 156.2

E 1/4 5.5 159.2

78

16470

1/2 1.4 163.3

53 NORTH = N 1/4 A.

E.L. 12.8 151.9

E.C. 9.3 153.4

E 1/4 6.4 158.3

1/2 3.2 161.5

W 1/4 0.0 164.7

66 NORTH = N.C. A.

E.L. 14.5 150.2

E.C. 11.2 153.5

E 1/4 7.4 157.3

1/2 4.3 160.4

W 1/4 1.8 162.9

80 NORTH = N 1/4 A.

E.L. 15.3 149.4

E.C. 12.6 152.7

E 1/4 9.4 155.3



1/2		5.7	159.0
W 1/4		2.8	161.9
W.C.		0.2	164.5
11.12	175.68	0.14	164.56
HUB. AT S.W. CORN			
B.M.	"A" 832 St	0.63	175.05



32<sup>d</sup> St  
Berches

- 70.06 NAIL IN FENCE COR. 50' E OF S.E. COR. 31<sup>74</sup> K  
72.13 S.W. COR. 32<sup>nd</sup> & "K"  
76.15 Nail in post 75 ft. of N.W. cor B. & 32<sup>nd</sup> St  
81.17 HUB AT N.E. COR. J & 32<sup>nd</sup>  
83.39 HUB AT N.E. COR. I & 32<sup>nd</sup>  
83.79 NAIL IN F.P. AT S.W. COR. H. & 32<sup>nd</sup>  
81.24 3 NAILS IN FENCE COR. AT S.W. COR. G & 32<sup>nd</sup>  
100.83 HUB AT S.E. COR. E & 32<sup>nd</sup>  
107.59 HUB AT S.W. COR. E & 32<sup>nd</sup>  
146.77 " " S.E. COR. D & 32<sup>nd</sup>  
158.64 " " S.W. " D & 32<sup>nd</sup>  
167.82 " " N.E. " C & 32<sup>nd</sup>  
177.74 " " N.W. " C & 32<sup>nd</sup>  
176.81 " " S.E. " B. & 32<sup>nd</sup>  
187.50 " " S.W. " B. & 32<sup>nd</sup>  
175.05 " " S.W. " A & 32<sup>nd</sup>

14677  
12 58  
157 25  
238

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

Return to City Engineers Office  
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	3.08	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.07	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	31.78	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.	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		Degrees.

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