Cross-Section of Grape:
" " " Ivy St.
from Albatross to 175' E of 1st.

Cross-Section of Dale St.
" " 28 to Fern " Amherst to Dartmouth " Amherst ".
" " " Quince St.

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400

LEVEL

F.B. 146

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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

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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.

MICROFILMED
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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

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X section Grape St. from Cal. to Park 1-43 83.84

Ivy Str Albatross to 1st Str 44-50

Amherst Str EL 28th to WL Fern Str 51.62

Dale " Amherst to Dartmouth 68.-74

Quince " WL 5th to EL 4th Str. 81 82

Note

Levels started from old bench on pole at Calif St. and run to a bench at State and Hawthorne. The elevations being figured from State St back to Calif St.

El. at Calif St as noted in bench book was 16.835

Xsection Grape St. From 1

E. Line Calif. St. to Park. —

10/13/04 {Hatch, Rennie, Lambert}

BM.	9.295	California St. E. edge of Manhole Rim 28.02	18.725
Spk in Tel Pole (Poor Condition)		11.24	16.78
E Line California St.			
S.		7.8	20.2
Cb.		7.9	20.12
1/4		9.5	18.5
C		15.0	13.0
9'		15.4	12.6
1/4		11.5	16.5
Cb.		8.2	19.8
N		8.0	20.0
25 ft E of Calif St			
N		5.3	22.7
Cb.		8.3	19.7
1/4		10.0	18.0

28.02

8'	10.3	17.72
C	13.5	14.52
1/4	9.7	18.32
Cb.	10.1	17.92
S.	7.7	20.32

50 ft E of Calif St

S.	8.0	20.02
Cb.	9.9	18.12
1/4	9.9	18.12
C	9.9	18.12
1/4	8.5	19.52
Cb	5.7	22.32
N	3.7	24.32

75 ft E of Calif St

N	2.2	25.82
Cb.	4.3	23.72
1/4	6.6	21.42

28.02

C	8.0	20.02
1/4	8.1	19.92
Cb.	7.7	20.32
S	7.8	20.22

100 ft E of Calif St

20'	5.2	22.82
S	7.0	21.02
Cb.	6.9	21.12
1/4	6.7	21.32
C	6.2	21.82
1/4	5.3	22.72
Cb	4.1	23.92
N	1.3	26.72

125 ft E of Calif St

N.	0.6	27.42
Cb	2.2	25.82
1/4	3.5	24.52

28.02

C				4.8	23.22
1/4				5.9	22.12
Ch.				6.2	21.82
S				6.2	21.82
10				5.9	22.12
20				3.2	24.82
	150 ft E of Calif St				
30'				2.8	25.22
15'				4.6	23.42
S				5.4	22.62
Ch.				5.1	22.92
1/4				4.9	23.12
C				3.5	24.52
1/4				2.0	26.02
Ch.				+0.2	28.22
T.P.	10.44	38.375	0.085		27.935
N				8.2	30.2

38.375

175 ft E of Calif St = W line Arctic

N		4.9	33.5
Ch.		6.4	32.0
1/4		9.4	28.0
C		10.5	27.9
BM.	E edge Manhole Rim & Arctic St on W line	7.18	31.195
1/4		14.8	23.6
Ch.		14.8	23.6
S		14.4	24.0
20'		13.7	24.7
33'		12.0	26.4
	W Ch Arctic St.		
30'		12.1	26.3
10'		13.4	25.0
S		13.6	24.8
Ch.		13.9	24.5
1/4		13.3	25.1

38.375

7'	14.0	24.4
C	11.1	27.3
1/4	9.4	29.0
cb.	5.9	32.5
N	5.0	33.4

W 1/4 Arctic St.

N	5.2	33.2
cb.	6.1	32.3
1/4	7.1	31.3
C	13.3	25.1
7'	9.2	29.2
1/4	10.4	28.0
cb.	10.1	28.3
S.	10.4	28.0
20'	9.9	28.5

7 ft E of W 1/4 Arctic

S	5.5	32.9

38.375

cb	5.5	32.9
1/4	5.4	33.0
C	5.4	33.0
1/4	5.3	33.1
cb.	5.4	33.0
N	5.5	32.9

C Arctic St.

N	4.6	33.8
cb.	4.6	33.8
1/4	4.7	33.7
C	4.8	33.6
1/4	4.8	33.6
cb.	4.8	33.6
S	4.7	33.7

E 1/4 Arctic St

S	7.5	30.9
cb.	7.7	30.7

38.375

1/4			7.1	31.3
C			7.1	31.3
1/4			6.8	31.6
Cb			6.3	32.1
N			5.5	32.9
E Curb Arctic St.				
N			4.5	33.9
Cb			7.1	31.3
1/4			7.1	31.3
4'			7.5	30.9
11'			11.0	27.4
C			11.1	27.3
10'			7.9	30.5
1/4			7.8	30.6
Cb			7.4	31.0
S.			6.5	31.9
T.P.	7.57	42.005	3.94	34.435

42.005

E Line Arctic St.		
S	8.8	33.2
10'	9.0	33.0
Cb.	10.6	31.4
1/4	11.8	30.2
4'	14.0	28.0
C	14.4	27.6
1/4	14.1	27.9
Cb.	12.7	29.3
N	9.1	32.9
25 ft E. of Arctic St.		
N	9.3	32.7
10'	12.2	29.8
12'	13.7	28.3
Cb	13.7	28.3
1/4	13.6	28.4
C	13.8	28.2

42.005

10'	13.3	28.7
¼	11.9	30.1
cb	9.4	32.6
S.	6.6	35.4
50 ft E of Arctic St.		
S.	4.8	37.2
cb.	5.9	36.1
¼	13.3	28.7
C	13.4	28.6
¼	13.3	28.7
cb.	13.3	28.7
6'	13.5	28.5
N	11.3	30.7
20'	5.6	36.4
75 ft E of Arctic St.		
25	5.6	36.4
N	11.9	30.1

42.005

cb.	12.9	29.1
¼	13.0	29.0
C	12.5	29.5
¼	10.1	31.9
8'	9.3	32.7
cb.	5.0	37.0
S	3.5	38.5
100 ft E of Arctic St.		
S	1.8	40.2
cb.	2.2	39.8
¼	7.8	34.2
C	11.2	30.8
¼	12.5	29.5
cb	12.5	29.5
12'	12.0	30.0
N	10.0	32.0
26'	4.4	37.6

42.005

125 ft E of Arctic St.

26'			4.3	37.7
N			9.5	32.5
2'			11.4	30.6
cb.			12.1	29.9
¼			11.9	30.1
C			10.2	31.8
¼			5.1	36.9
cb.			0.8	41.2
S			0.0	42.
T.P.	7.05	48.31	0.745	41.26

150 ft E of Arctic

S	4.3	44.0
cb.	5.2	43.1
¼	10.9	37.4
C	15.5	32.8
¼	16.6	31.7

48.31

cb.	17.3	31.0
12'	17.1	31.2
N	16.2	32.1
20'	13.6	34.7

175 ft E of Arctic St.

20'	12.2	36.1
N	14.8	33.5
cb	16.6	31.7
¼	15.0	33.3
C	12.4	35.9
¼	8.5	39.8
cb.	4.1	44.2
S	3.5	44.8

190 ft E of Arctic St.

S	3.6	44.7
cb.	4.1	44.2
¼	11.4	36.9

48.31

C	10.3	38.0
1/4	10.9	37.4
11'	11.2	37.1
cb.	13.6	34.7
N	6.3	42.0
5'	4.0	44.3

200 ft E of Arctic - W Line India

N	4.0	44.3
cb.	4.2	44.1
1/4	4.1	44.2
C	4.3	44.0
1/4	4.1	44.2
cb.	4.0	44.3
S	3.8	44.5
B.M. SW Cor India Spk in Elec Pole	3.545	44.765

W Curb India

48.31

S	3.9	44.4
cb.	4.1	44.2
1/4	3.7	44.6
C	3.5	44.8
1/4	3.8	44.5
cb.	4.2	44.1
N	44	43.9

W 1/4 India

N	3.6	44.7
cb.	3.3	45.0
1/4	3.3	45.0
C	3.3	45.0
1/4	3.1	45.2
Cb	3.2	45.1
S	3.3	45.0

48.31

℄ India

S	2.9	45.4
cb	2.9	45.4
1/4	3.0	45.3
C	3.1	45.2
1/4	3.2	45.1
cb	3.3	45.0
N	3.3	45.0

E 1/4 India

N	3.2	45.1
cb	3.0	45.3
1/4	3.0	45.3
C	3.0	45.3
1/4	2.6	45.7
cb	2.7	45.6
S	2.5	45.8

48.31

E Club India

S	2.2	46.1
cb	2.3	46.0
1/4	2.3	46.0
C	2.6	45.7
1/4	2.7	45.6
cb	3.0	45.3
N	2.9	45.4

E Line India

N	3.6	44.7
cb	3.4	44.9
1/4	3.0	45.3
C	3.3	45.0
1/4	2.9	45.4
cb	2.6	45.7
S	2.0	46.3

48.31

10 ft E of India

S	2.3	46.0
5'	3.0	45.0
cb.	4.8	43.5
1/4	6.2	42.1
C	6.2	42.1
10'	3.1	45.2
1/4	3.5	44.8
cb	3.3	45.0
N	5.5	42.8
20'	50	43.0

25 ft E of India

25'	14	43.9
N	54	42.9
5'	4.7	43.6
cb.	2.8	45.5
1/4	3.0	45.3

48.31

C	7.0	41.3
1/4	7.3	41.0
cb.	5.9	42.4
6'	3.1	45.2
S	2.5	45.8

35 ft E of India

10'	5.7	42.6
S	6.5	41.8
cb.	6.8	41.5
1/4	7.2	41.1
C	6.5	41.8
1/4	2.5	45.8
cb.	2.5	45.8
6'	2.8	45.5
N	5.3	43.0
20'	5.0	43.3

Night 10/13/04

10/14/04

57.115

BM.	12.35	Grape on India		44.765
		50 ft E of India		
25'			11.7	45.4
S			15.2	41.9
cb.			16.6	40.5
1/4			15.7	41.4
C			14.0	43.1
1/4			11.3	45.8
cb.			11.0	46.1
9'			11.3	45.8
N			13.1	44.0
26'			12.3	44.8
		75 ft E of India		
26'			10.8	46.3
N			10.5	46.6
cb.			10.4	46.7
1/4			10.7	46.4

57.115

C	12.4	44.7
1/4	14.0	43.1
cb.	15.4	41.7
S	14.9	42.2
14'	14.9	42.2
30'	10.0	47.1
100 ft E of India		
30'	10.5	46.6
14'	14.2	42.9
S	13.8	43.5
cb.	14.6	42.5
1/4	12.9	44.2
C	10.9	46.2
1/4	8.7	48.4
cb.	7.7	49.4
N	6.9	50.2
25'	8.6	48.5

57.115

125 ft E of India

25'	6.1	51.0
N	4.0	53.1
cb	5.0	52.1
1/4	6.5	50.6
C	9.2	47.9
1/4	11.4	45.7
cb	12.9	44.2
S	13.8	43.3
24'	13.2	43.9

150 ft E of India

30'	12.3	44.8
S	12.4	44.7
cb	11.5	45.6
1/4	9.9	47.2
C	7.0	50.1
1/4	4.2	52.9

57.115

cb		2.2	54.9
N		1.2	55.9
T.P. 4.37	60.55 0.935		56.18

175 ft E of India

N	2.2	58.3
cb	3.5	57.0
1/4	6.8	53.7
C	9.5	51.0
1/4	12.0	48.5
cb	13.4	47.1
S	14.3	46.2
32'	13.7	46.8

185 ft E of India

30'	12.4	48.1
S	12.5	48.0
cb	11.7	48.8
1/4	10.7	49.8

60.55

C			8.3	52.2
1/4			4.9	55.6
ch			2.9	57.6
N			1.5	59.0

200 ft E of India - W.L. Columbia

N			0.8	59.7
ch.			1.9	58.6
1/4			2.2	57.3
C			1.6	58.9
1/4			1.9	58.6
ch.			1.5	59.0
S.		71.025	1.4	59.1
B.M.	12.16	E edge Man Hole Rim. W. Line Columbia 1.685		58.865

E Line Columbia

S			9.8	61.2
ch.			9.9	61.1
1/4			10.3	60.7

71.025

C			10.1	60.9
1/4			10.4	60.6
ch.			6.6	64.4
N			6.5	64.5

25 ft E of Columbia

N			5.0	66.0
ch.			5.2	65.8
6'			7.0	64.0
1/4			7.3	63.7
C			7.3	63.7
1/4			7.9	63.1
ch.			8.2	62.8
4'			7.6	63.4
S.			9.3	61.7

50 ft E of Columbia

S			6.5	64.5
10'			5.6	65.4

71.025

cb.		6.2	64.8
1/4		5.4	65.6
C		4.2	66.8
1/4		4.2	66.8
cb.		3.4	67.6
N		3.7	67.3
75 ft E of Columbia			
N		2.0	69.0
cb		1.9	69.1
1/4		2.3	68.7
C		2.6	68.4
1/4		2.9	68.1
cb		4.1	66.9
2'		3.4	67.6
S		4.5	66.5

71.025

100 ft E of Columbia				
S			3.6	67.4
cb.			2.7	68.3
1/4			1.3	69.7
C			1.1	69.9
1/4			0.4	70.6
cb.			0.2	70.8
N			0.0	71.0
T.P.	12.995	83.32	0.70	70.325
125 ft E of Columbia				
N			10.6	72.7
cb			11.1	72.2
1/4			11.2	72.1
C			11.8	71.5
1/4			12.2	71.1
cb.			13.7	69.6
S			14.0	69.3

83.32

150 ft E of Columbia

S	11.6	71.7
cb.	11.8	71.5
1/4	11.2	72.1
C	10.4	72.9
1/4	10.0	73.3
cb.	9.8	73.5
N	8.9	74.4

175 ft E of Columbia

N	7.8	75.5
cb	8.7	74.6
1/4	9.2	74.1
C	9.4	73.9
1/4	9.4	73.9
cb	9.9	73.4
S	9.7	73.6

83.32.

200 ft E of Columbia – W Line State

S		7.0	76.3
cb.		7.5	75.8
1/4		8.1	75.2
C		8.1	75.2
1/4		7.3	76.0
cb.		7.2	76.1
N		6.7	76.6
B.M.	Hydt Nozzle State and Hawthorne	0.17	83.15
B.M.	Spk. in Pole SW Cor Grape and State	6.29	77.03

W Curb State St.

S	6.5	76.8
cb.	6.4	76.9
1/4	6.7	76.6
C	6.3	77.0
1/4	6.3	77.0
cb.	6.7	76.6
N	6.5	76.8

83.32

W 1/4 State St.

N	5.7	77.6
cb.	5.6	77.7
1/4	5.5	77.8
C	5.8	77.5
1/4	5.7	77.6
cb.	6.0	77.3
S	6.0	77.3

C State St.

S	5.3	78.0
cb	5.0	78.3
1/4	5.0	78.3
C	5.1	78.2
1/4	4.9	78.4
cb.	4.8	78.5
N	4.7	78.6

83.32

E 1/4 State St

N	4.8	78.5
cb	4.8	78.5
1/4	4.8	78.5
C	4.9	78.4
1/4	4.8	78.5
cb.	4.8	78.5
S	4.9	78.4

E Curb. State St

S	4.5	78.8
cb.	4.4	78.9
1/4	4.6	78.7
C	4.3	79.0
1/4	4.5	78.8
cb	4.8	78.5
N	4.8	78.5

83.32

E Line State St

N				4.2	79.1
cb				4.3	79.0
1/4				4.3	79.0
C				4.4	78.9
1/4				4.4	78.9
cb				4.2	79.1
S				4.3	79.0
T.P.	11.25	94.23	0.34		82.98
T.P.	11.84	105.92	0.15		94.08
B.M.	Cop Tack in head in Top of Cement Wall SE Union and Grape			9.80	96.12

E Line Union

S				11.9	94.0
cb				11.9	94.0
1/4				11.5	94.4
C				11.3	94.6
1/4				10.9	95.0

105.92

cb.				11.4	94.5
N.				11.0	94.9

S.E. Cor. Grape and Union to pt 28' E of N.E. Cor.

N				9.2	96.7
cb.				9.6	96.3
1/4				10.1	95.8
C				10.3	95.6
1/4				11.2	94.7
cb.				11.9	94.0
S.				11.9	94.0

25 ft E of Union St.

S				10.4	95.5
cb.				10.5	95.4
1/4				9.6	96.3
C				8.7	97.2
1/4				8.6	97.3
cb.				7.8	98.1
N				7.6	98.3

10592

50 ft E of Union St

N	6.0	99.9
cb	6.0	99.9
1/4	6.9	99.0
C	6.9	99.0
1/4	7.3	98.6
cb	8.4	97.5
S	8.4	97.5

75 ft E of Union St

S	6.2	99.7
cb	6.5	99.4
1/4	5.7	100.2
C	5.0	100.9
1/4	5.0	100.9
cb	4.1	101.8
N	4.0	101.9

10592

100 ft E of Union St

N	2.3	103.6
cb	2.5	103.4
1/4	3.1	102.8
C	3.1	102.8
1/4	3.7	102.2
cb	4.4	101.5
S	4.4	101.5

125 ft E of Union St

S	2.2	103.7
cb	2.5	103.4
1/4	2.1	103.8
C	1.3	104.6
1/4	1.5	104.4
cb	0.8	105.1
N	0.6	105.3

105.92

134.5 ft E of Union - Wh Albatross

N			+0.3	106.2
cb.			+0.1	106.0
1/4			0.9	105.0
C			0.7	105.2
1/4			1.5	104.4
cb.			0.9	105.0
S.			0.8	105.1
T.P	11.23	116.40	0.75	105.17
BM	Spk in Pole NE Cor Grape any Albatross		7.37	109.03

W Curb Albatross

S			11.4	105.0
cb.			11.8	104.6
1/4			10.9	105.5
C			10.7	105.7
1/4			10.9	105.5
cb			11.0	105.4
N			10.4	106.0

116.40

W 1/4 Albatross

N	9.8	106.6
cb.	9.9	106.5
1/4	10.1	106.3
C	9.9	106.5
1/4	10.4	106.0
cb.	10.7	105.7
S	11.1	105.3

C Albatross

S	10.1	106.3
cb.	9.8	106.6
1/4	9.6	106.8
C	9.4	107.0
1/4	9.3	107.1
cb.	9.1	107.3
N	8.6	107.8

11640

E 1/4 Albatross

N	8.1	108.3
cb.	8.8	107.6
1/4	9.0	107.4
C	8.9	107.5
1/4	9.3	107.1
cb.	9.5	106.9
S	9.9	106.5

E Curb Albatross

S	9.4	107.0
cb.	10.0	106.4
1/4	9.5	107.9
C	8.9	107.5
1/4	8.9	107.5
cb.	8.4	108.0
N	8.4	108.0

11640

E Line Albatross

N	8.2	108.2
cb.	8.4	108.0
1/4	8.2	108.2
C	8.4	108.0
1/4	8.6	107.8
cb.	8.6	107.8
S.	9.1	107.3

3 ft. E of Albatross

S	6.3	110.1
cb	7.5	108.9
1/4	8.0	108.4
C	8.1	108.3
1/4	8.0	108.4
cb.	8.0	108.4
N	7.4	109.0

11640

25 ft E of Albatross

N	6.3	110.1
cb.	6.6	109.8
1/4	6.6	109.8
C	6.6	109.8
1/4	6.5	109.9
cb.	5.7	110.7
S	4.7	111.7

50 ft E of Albatross

S	3.6	112.8
cb	4.3	112.1
1/4	4.9	111.5
C	4.8	111.6
1/4	4.5	111.9
cb	4.9	111.5
N	4.9	111.5

11640

75 ft E of Albatross

N	3.4	113.0
cb.	3.2	113.2
1/4	3.1	113.3
C	3.1	113.3
1/4	2.5	113.9
cb.	2.5	113.9
S.	2.3	114.1

100 ft E of Albatross

S	0.2	116.2
cb.	0.5	115.9
1/4	0.5	115.9
C	0.7	115.7
1/4	1.4	115.0
cb.	0.9	115.5
N	0.0	116.4

116.40

T.P. 7.92	124.12	0.20	116.20

125 ft E of Albatross

N	5.6	118.5
ab	6.7	117.4
1/4	7.0	117.1
C	6.6	117.5
1/4	6.0	118.1
ab	6.0	118.1
S	6.3	117.8

150 ft E of Albatross

S	4.9	119.2
ab	4.4	119.7
1/4	4.2	119.9
C	4.5	119.6
1/4	5.0	119.1
ab	4.3	119.8
N	3.8	120.3

124.12

175 ft E of Albatross

N	2.4	121.7
ab	2.6	121.5
1/4	2.8	121.3
C	3.3	120.8
1/4	3.7	120.4
ab	3.3	120.8
S	4.1	120.0

198 ft E of Albatross

S	3.7	120.4
ab	3.3	120.8
1/4	2.5	121.6
C	1.8	122.3
1/4	1.1	123.0
ab	0.6	123.5
N	0.3	123.8

124.12

200 ft E of Albatross - W line Front

N	4.4	119.7
cb	5.3	118.8
1/4	6.0	118.1
C	6.2	117.9
1/4	7.0	117.1
cb	7.2	116.9
S	7.1	116.0

W Curb Front

S	7.2	116.9
cb	7.9	116.2
1/4	7.3	116.8
C	6.6	117.5
1/4	6.2	117.9
cb	5.2	118.9
N	4.7	119.4

124.12

W 1/4 Front

N	4.8	119.3
cb	5.3	118.8
1/4	5.6	118.5
C	5.7	118.4
1/4	6.5	117.6
cb	7.1	117.0
S	7.6	116.5

℄ Front

S	7.1	117.0
cb	6.8	117.3
1/4	6.3	117.8
C	6.1	118.0
1/4	5.5	118.6
cb	5.2	118.9
N	4.7	119.4

124.12

E 1/4 Front

N	4.7	119.4
ob.	5.2	118.9
1/4	5.8	118.3
C	6.2	117.9
1/4	6.3	117.8
ob.	6.6	117.5
S	7.2	116.9

E Curb Front

S	7.2	116.9
ob.	7.2	116.9
1/4	6.3	117.8
C	6.5	117.6
1/4	5.9	118.2
ob.	5.7	118.4
N	6.1	118.0

124.12

E Line Front St.

N	5.8	118.3
ob.	6.2	117.9
1/4	5.2	118.9
C	5.8	118.3
1/4	6.6	117.5
ob.	7.2	116.9
S.	6.9	117.2

2 ft E of Front.

S	7.4	116.7
ob.	5.8	118.3
1/4	2.0	122.1
C	1.2	122.9
1/4	0.6	123.5
ob.	0.0	124.1
T.P. 2.535 126.390 0.265		123.855
Spk in Pole SW Cor.		
BM. Grape Sy Front.	9.02	117.37

126.39

1'	0.5	125.9
N	0.0	126.4
10 ft E of Front		
N.	0.0	126.4
Ch.	0.6	125.8
2'	2.2	124.2
1/4	2.6	123.8
C	3.2	123.2
1/4	5.0	121.4
Ch.	8.5	117.9
S	11.3	115.1
20'	17.2	109.2
25 ft E of Front		
20'	19.0	107.4
S	12.6	113.8
Ch.	9.2	117.2
1/4	7.0	119.4

126.39

C	5.2	121.2
1/4	3.1	123.3
Ch.	0.8	125.6
N	+0.3	126.7
50 ft E of Front		
N	0.6	125.8
11'	2.5	123.9
Ch	3.8	122.6
1/4	5.6	120.8
C	7.5	118.9
1/4	10.0	116.4
Ch.	11.7	114.7
S	14.9	111.5
11'	19.0	107.4
47'	20.6	105.8
75 ft E of Front		
45'	20.6	105.8

126.39

S		19.7	106.7
cb.		15.7	110.7
1/4		13.1	113.3
C		10.6	115.8
1/4		8.5	117.9
cb.		5.6	120.8
N		2.2	124.2
10'		1.2	125.2
BM.	Night (10/14/04) (10/17/04) 5.76 123.13		117.37

100 ft E of Front

15'		1.3	121.8
N		2.7	120.4
cb.		3.3	119.8
6		4.6	118.5
1/4		8.8	114.3
C		13.4	109.7
1/4		15.6	107.5

10/17/04 Stated Pennie Lambert

123.13

cb.		15.7	107.4
S.		16.2	106.9
8'		16.5	106.6
34'		9.3	113.8

125 ft E of Front

31'		4.2	118.9
S		9.8	113.3
cb.		13.2	109.9
10'		15.6	107.5
1/4		15.4	107.7
C		14.6	108.5
1/4		14.3	108.8
cb.		13.7	109.4
9'		13.2	109.9
N		10.2	112.9
15'		3.4	120.7
35'		2.3	120.8

123.13

150 ft E of Front

50'	4.0	119.1
18'	11.8	111.3
N.	12.2	110.9
Ch.	12.8	110.3
4'	12.8	110.3
1/4	10.5	112.6
C	7.8	115.3
5'	7.4	115.7
1/4	5.3	117.8
Ch.	3.0	120.1
S	1.4	121.7
20'	+1.4	124.5

160 ft E of Front

21'	+3.5	126.6
S	+1.4	124.5
Ch.	0.4	122.7

123.13

1/4	1.5	121.6
8'	3.8	119.3
C	3.5	119.6
1/4	5.0	118.1
Ch.	7.9	115.2
N	10.5	112.6
4'	8.3	114.8
50'	5.5	117.6
T.P.	12.96 135.235 0.855	122.375

175 ft E. of Front

50'	13.2	122.0
N	15.4	119.8
Ch.	15.2	120.0
1/4	11.9	123.3
C	11.4	123.8
1/4	10.6	124.6
7'	12.0	123.2

135.235

Sb	9.0	126.2
S	6.8	128.4
20'	4.5	130.7

190 ft E of Front

20'	1.4	134.1
S	2.0	133.2
Sb	3.8	131.4
1/4	4.5	130.7
C	5.0	130.2
1/4	5.1	130.1
Sb	5.9	129.3
N	8.7	126.5
20'	3.8	131.4

200.8 ft E of Front - W Line First -

T.P.	12.58	145.485 2.33	132.905
10'	8.1		137.4
N	12.2		133.3

145.485

Sb	11.4	134.1
1/4	10.3	135.2
C	10.4	135.1
1/4	8.3	137.2
Sb	7.2	138.3
S	6.1	139.4
7'	5.4	140.1

4' E of W. Line First St

S	4.2	141.3
Sb	4.8	140.7
1/4	5.9	139.6
C	6.4	139.1
1/4	6.9	138.6
Sb	7.3	138.2
N	6.7	138.8

T.P.	9.99	153.815 1.66	143.825

153.815

E Line First Street

N	11.2	142.6
cb.	11.5	142.3
1/4	9.9	143.9
C	9.5	144.3
1/4	9.5	144.3
cb.	9.7	144.1
S	9.2	144.6

5 ft East of First.

S.	3.2	150.6
cb.	6.8	147.0
1/4	8.0	145.8
C	9.1	144.7
1/4	9.4	144.4
cb	8.6	145.2
N	8.7	145.1

(Night 10/17/04)

T.P.	12.03	155.855		143.825
B.M.	Spk in Pole SE. Cor 1st & Grape		11.55	144.305

25 ft E of First

N	8.1	147.8
cb.	7.8	148.1
1/4	6.7	149.2
C	6.5	149.4
1/4	5.0	150.9
cb	2.4	153.5

T.P.	12.98	167.00	1.835	154.02

S.	10.1	156.9

50 ft E of First

S	5.7	161.3
cb.	7.8	159.2
1/4	9.8	157.2
C	13.1	153.9
1/4	14.1	152.9

167.00

cb.			15.8	151.2
N			17.3	149.7

75 ft E of First

N			13.6	153.4
cb.			12.1	154.9
1/4			10.1	156.9
C			8.1	158.9
2'			6.4	160.6
1/4			5.0	161.0
cb.			3.6	163.4
S			1.6	165.4

100 ft E of First

S			+0.2	167.3
cb.			0.1	166.9
1/4			1.9	165.1
C			3.7	163.3
1/4			5.7	161.3

167.00

cb.			7.8	159.2
N			10.2	156.8

125 ft E of First

N			5.9	161.1
cb.			3.3	163.7
1/4			1.7	165.3
C			0.9	166.1
T.P.	10605	176.855	0.75	166.25
1/4			9.4	167.5
cb.			8.9	168.0
S			8.2	168.7

150 ft E of First

S			6.4	170.5
cb.			7.2	169.7
1/4			7.6	169.3
C			7.6	169.3
1/4			7.7	169.2

176.855

cb		8.6	168.3
N		10.5	166.4
175 ft E of First			
N		6.0	170.9
cb.		5.1	171.8
1/4		5.6	171.3
C		5.5	171.4
1/4		5.3	171.6
cb.		5.4	171.5
S		5.2	171.7
197 ft E of First			
S		5.3	171.6
cb.		4.1	172.8
1/4		3.8	173.1
C		4.0	172.9
1/4		4.1	172.8
cb.		4.3	172.6

176.855

N		5.2	171.7
200.3 ft E of First - W line Second			
N		7.8	169.1
cb.		8.1	168.8
1/4		8.1	168.8
C		7.8	169.1
1/4		8.2	168.7
cb		7.8	169.1
S		7.3	169.6
BM.	Spk in Phone Pole NE. Cor. 2nd & Grape	6.28	170.575
E line Second			
S		6.1	170.8
cb.		7.1	169.8
1/4		6.9	170.0
C		6.4	170.5
1/4		7.1	169.8
cb.		6.8	170.1
N		6.3	170.6

176.855

3 ft E of Seccond

N		1.3	175.6
cb		1.3	175.6
1/4		1.1	175.8
C		1.2	175.7
1/4		1.5	175.4
cb		1.8	175.1
S		2.6	174.3

25 ft E of Seccond

B M.	13.22	183.795	170.575
S		8.8	175.0
cb		8.2	175.6
1/4		7.5	176.3
C		6.9	176.9
1/4		6.3	177.5
cb		6.3	177.5
N		6.3	177.5

183.795

50 ft E of Seccond

N	4.8	179.0
cb	5.3	178.5
1/4	6.1	177.7
C	6.6	177.2
1/4	7.0	176.8
cb	7.2	176.6
S	8.0	175.8

75 ft E of Seccond

S	7.3	176.5
cb	6.8	177.0
1/4	5.9	177.9
C	5.7	178.1
1/4	4.9	179.9
cb	4.3	179.5
N	3.2	180.6

183.795

100 ft E of Second

N	3.4	180.4
cb.	3.8	180.0
1/4	4.2	179.6
C	5.0	178.8
1/4	5.5	178.3
cb.	6.2	177.6
S	6.7	177.1

125 ft E of Second

S	6.0	177.8
cb.	5.7	178.1
1/4	4.6	179.2
C	3.9	179.9
1/4	3.3	180.5
cb	2.6	181.2
N	2.0	181.8

183.795

150 ft E of Second

N	0.3	183.5
cb	1.5	182.3
1/4	3.1	180.7
C	3.9	179.9
1/4	4.4	179.4
cb.	5.2	178.6
S.	5.1	178.7

175 ft E of Second

S	4.8	179.0
cb.	4.4	179.4
1/4	3.9	179.9
C	3.5	180.3
1/4	2.6	181.2
cb.	1.3	182.5
N	0.1	183.7

183.795

200 ft ± of Second - W Line 3d

N	0.5	183.3
cb	1.9	181.9
1/4	2.6	181.2
C	3.2	180.6
1/4	4.0	179.8
cb	4.7	179.1
S.	4.5	179.3

W curb 3d St

S	4.7	179.1
cb	5.1	178.7
1/4	4.4	179.4
C	3.7	180.1
1/4	2.9	180.9
cb	2.2	181.6
N	1.5	182.3

183.795

W 1/4 3d St

N	1.6	182.2
cb	2.4	181.4
1/4	3.1	180.7
C	3.7	180.1
1/4	4.7	179.1
cb	4.9	178.9
S.	5.3	178.5

℄ 3d St

S	4.7	179.1
cb	5.1	178.7
1/4	4.9	178.9
C	4.1	179.7
1/4	3.3	180.5
cb	2.9	180.9
N	3.8	180.0

183.795

E 1/4 3d St.

N	2.7	181.1
Cb.	3.4	180.4
1/4	3.6	180.2
C	4.2	179.6
1/4	4.9	178.9
Cb.	5.3	178.5
S	5.2	178.6

E curb 3d St.

S	5.7	178.1
Cb.	5.6	178.2
1/4	5.0	178.8
C	4.2	179.6
1/4	3.6	180.2
Cb.	2.1	180.7
N	2.3	181.5

183.795

E Line 3d St.

N	1.9	181.9
Cb.	3.0	180.8
1/4	3.6	180.2
C	4.4	179.4
1/4	5.1	178.7
Cb.	5.5	178.3
S	5.3	178.5

Hydt Nozzle SE 3d & Grape.

B.M. 3.68 183.625 3.85 179.945

25 ft E of 3d St.

S	5.4	178.2
Cb.	5.0	178.6
1/4	4.9	178.7
C	4.8	178.8
1/4	3.1	180.5
Cb.	2.7	180.9
N	1.6	182.0

183.625

50 ft E of 3d St

N	1.8	181.8
ab	2.5	181.1
1/4	3.2	180.4
C	4.0	179.6
1/4	4.6	179.0
ab	5.0	178.6
S	4.7	178.9

75 ft E of 3d St

S	4.8	178.8
ab	4.8	178.8
1/4	4.7	178.9
C	4.3	179.3
1/4	3.3	180.3
ab	2.9	180.7
N	2.2	181.4

183.625

100 ft E of 3d St

N	2.0	181.6
ab	2.7	180.9
1/4	3.7	179.9
C	4.4	179.2
1/4	4.7	178.9
ab	4.7	178.9
S	4.8	178.8

125 ft E of 3d St

S	5.0	178.6
ab	5.1	178.5
1/4	4.9	178.7
C	4.5	179.1
1/4	3.5	180.1
ab	2.5	181.1
N	2.0	181.6

183.625

150 ft E of 3d St.

N	2.0	181.6
cb.	2.9	180.7
1/4	3.9	179.7
C	4.5	179.1
1/4	4.8	178.8
cb	4.8	178.8
S.	4.6	179.0

175 E of 3d St.

S.	4.2	179.4
cb	4.3	179.3
1/4	4.5	179.1
C	3.9	179.7
1/4	3.4	180.2
cb.	2.4	181.2
N	1.7	181.9

183.625

200 ft E of 3d - W Line 4th

N	0.4	183.2
cb	0.6	183.0
1/4	1.8	181.8
C	2.2	181.4
1/4	3.1	180.5
cb.	3.5	180.1
S	3.4	180.2

Spk. in Light Pole. S.W. 4th Grape.

BM. 10.245 190.315 3.555 180.07

E Line 4th St.

N	6.4	184.9
cb	7.3	183.0
1/4	8.1	182.2
C	8.6	181.7
1/4	9.6	180.7
cb.	10.3	180.0
S	10.1	180.2

190315

5 ft E of 4th St.

S	8.1	182.2
cb.	7.0	183.3
9'	7.7	182.6
1/4	8.9	181.4
C	8.4	181.9
1/4	7.2	183.1
cb	6.0	184.3
N	3.4	186.9

25 ft E of 4th St

N	2.6	187.7
8'	3.1	187.2
cb	4.4	185.9
1/4	5.7	184.6
C	7.0	183.3
1/4	6.9	183.4
cb.	5.8	184.5

190315

S	6.8	183.5

50 ft E of 4th St

S.	5.4	184.9
cb.	4.8	185.5
1/4	5.9	184.4
C	5.4	184.9
1/4	4.3	186.0
cb.	3.3	187.0
6'	2.2	188.1
8	1.1	189.2
N	0.8	189.5

75 ft E of 4th St.

N	+0.3	190.6
cb.	2.1	188.2
1/4	3.4	186.9
C	4.4	185.9
1/4	5.0	185.3

190315

Cb.	4.0	186.3
S.	4.3	186.0
100 ft E of 4th St.		
S	3.9	186.4
Cb	3.6	186.7
1/4	4.6	185.7
C	4.4	185.9
1/4	3.4	186.9
Cb	1.6	188.7
7'	+1.3	191.6
N	+2.3	192.6
125 ft E of 4th St.		
N	+3.1	193.4
7'	+1.9	192.2
Cb.	2.3	188.0
1/4	3.8	186.5
C	4.5	185.8

190315

1/4	4.1	186.2
Cb.	3.2	187.1
S	3.2	187.1
150 ft E of 4th St.		
S.	3.1	187.2
Cb.	3.2	187.1
1/4	5.9	184.4
C	6.1	184.2
1/4	5.0	185.3
Cb	2.8	187.5
7'	+1.0	191.3
N	+2.9	193.2
165 ft E of 4th St.		
N	+2.4	192.7
Cb.	2.5	187.8
1/4	7.0	183.3

190315

C	8.5	181.8
1/4	8.7	181.6
Cb	7.8	182.5
9'	5.4	184.9
12'	3.0	187.3
S	2.9	187.4

175 ft E of 4th St.

S	2.6	187.7
5'	2.6	187.7
8'	8.0	182.3
Cb	10.2	180.1
1/4	10.5	179.8
C	9.5	180.8
1/4	8.7	181.6
Cb	3.9	186.4
N	+1.4	191.7

190315

195 ft E of 4th St

N	0.0	190.3
Cb	6.9	183.4
1/4	11.6	178.7
C	11.7	178.6
1/4	12.5	177.8
Cb	13.0	177.3
9'	10.5	179.8
S	5.4	184.9

200 ft E of 4th — W Line 5th St

S	12.9	177.4
Cb	13.3	177.0
1/4	12.9	177.4
C	12.2	178.1
1/4	12.2	178.1
Cb	11.8	178.5
N	11.5	178.8

190.315

T.P.	4.87	183.525	11.66	178.655
BM.			6.95	176.575

E line 5th St.

S	6.9	176.6
Cb.	7.1	176.4
1/4	6.2	177.3
C	6.0	177.5
1/4	5.5	178.0
Cb	5.1	178.4
N	4.4	179.1

15 ft E of 5th St.

20'	9.0	174.5
N	11.2	172.3
Cb.	12.3	171.2
1/4	12.5	171.0
C	13.2	170.3
1/4	13.3	170.2

183.525

Cb.	14.2	169.3
S	13.5	170.0
20'	15.1	168.4

25 ft E of 5th St.

20'	16.2	167.3
S	14.5	169.0
Cb.	13.1	170.4
1/4	11.7	171.8
C	11.6	171.9
1/4	11.3	172.2
Cb	11.0	172.5
N	10.7	172.8
20'	8.2	175.3

50 ft E of 5th St.

20'	6.1	177.4
N	6.4	177.1
Cb.	7.2	176.3

183.525

1/4			7.6	175.9
C			7.4	176.1
1/4			8.0	175.5
Cb			8.8	174.7
S			9.7	173.8
20'			10.9	172.6
75 ft E of 5th St.				
20'			7.7	175.8
S			6.0	177.5
Cb			3.6	179.9
1/4			3.1	180.4
C			2.8	180.7
1/4			2.3	181.2
Cb			2.0	181.5
N			1.4	182.1
T.P	5.65	186.24	2935	180.590

186.24

100 ft E of 5th St		
N	0.4	185.8
Cb	0.8	185.4
1/4	1.6	184.6
C	2.6	183.6
1/4	3.5	182.7
Cb	5.0	180.2
S	6.5	179.7
125 ft E of 5th St		
S	7.4	178.8
Cb	6.3	179.9
1/4	5.2	180.0
C	4.0	181.2
1/4	2.6	183.6
Cb	1.4	184.8
N	0.3	185.9

186.24

140 ft E of 5th St

N	1.1	185.1
cb	2.3	183.9
1/4	3.6	182.6
C	5.1	181.1
1/4	6.8	179.4
cb	8.9	177.3
S	10.8	175.4

150 ft E of 5th St

25'	19.0	167.2
S	15.0	171.2
cb	13.1	173.1
1/4	11.9	174.3
C	7.0	179.2
1/4	4.6	181.6
cb	3.1	183.1
N	1.7	184.5

186.24

166 odd E of 5th = Park Line

N	3.1	183.1
cb	4.7	181.5
1/4	8.2	178.0
C	12.5	173.7
1/4	16.7	169.5
cb	19.8	166.4
S	21.8	164.4
20'	22.4	163.8

end slope about 1-2 at North side the break of the bank is about 25 ft farther east.

(10/18/04)

Ivy St.

	10.93	145.43		134.50
	12.77	157.11	1.09	144.34
	11.51	164.98	3.64	153.47

West Line of Albatross

So Line		
Curb	12.9	152.1
1/4	12.7	152.3
Ct.	11.4	153.6
4	9.8	155.2
—	8.4	156.6
No Line	6.9	158.1

West Curb Line of Albatro

No Line	5.7	159.3
3' So of No Line	6.5	158.5
7' " " "	8.6	156.4
Curb	9.2	155.8
4	9.7	155.3
Ct.	10.7	154.3.

10/31/04 Hutchison Terrace Evans

1/4	11.8	153.2
Cb.	12.9	152.1
So Line	12.9	152.1

West 1/4 Line.

So Line	12.7	152.3
—	11.8	153.2
4	11.0	154.0
Ct.	10.3	154.7
4	9.7	155.3
—	9.7	155.3
9' So of No Line	6.3	158.7
No Line.	2.4	160.6

Center Line

No Line	2.5	160.5
4' So of No Line	5.2	159.8
Curb	9.1	155.9
1/4	9.7	155.3
Ct.	10.3	154.7

1/4	164.98	10,4	154.6
—		11,1	153.9
So Line		11.7	153.3
East 1/4 Line			
So Line		11,8	153.2
—		11,1	153.9
4		10.3	154.7
Ct.		9,5	155.5
4		9,0	156.0
—		8,0	157.0
No Line		4,7	160.3
East Curb Line of Albatross			
No Line		4,3	160.7
—		7,2	157.8
4		8,5	156.5
Ct.		9,3	155.7
4		10,2	154.8
—		11.8	153.2

So Line	11,8	153.2
East Line of Albatross		
So Line	11,0	154.0
Curb	11,3	153.7
4	10,0	155.0
Ct.	9,1	155.9
4	7,9	157.1
—	6,5	158.5
No	4,3	160.7
25' East of		
So Line	8,3	156.7
—	9,2	155.8
4	8,8	156.2
Ct.	6,9	158.1
4	5,2	159.8
—	5,0	160.0
No Line	2,6	162.4

Jury

50' East of Albatross

M° Lm		16498	1,9	163.1
—			3,6	161.4
4			5,0	160.0
Ct.			5,4	159.4
4			6,6	158.4
—			6,4	158.6
Do Lm			5,4	159.6

75' East

Do L			3,3	161.7
—			3,3	161.7
4			3,5	161.5
Ct.			3,6	161.4
4			3,1	161.9
—			3,1	161.9
M° Lm			2.2	162.8
	11.87	175.69	1.16	163.82

100' East of Albat.

M° Lm		175.69	11.8	163.9
—			11,8	163.9
4			11,4	164.3
Ct.			11,0	164.7
4			10,9	164.8
Ct.			11,2	164.5
Do L.			10,7	165.0

125' East

Do			8,3	167.4
—			8,3	167.4
4			8,4	167.3
Ct.			8,5	167.2
4			8,5	167.2
—			8,4	167.3
M° Lm			8.7	167.0

150' East of Albatross

Ao Line	175.69	5.2	170.5
—		5.8	169.9
4		5.5	170.2
Ct.		4.8	170.9
4		5.7	170.5
—		6.0	169.7
No Line		6.2	169.5

175' East of Albat.

No L		2.0	173.7
—		1.6	174.1
4		1.1	174.6
Ct.		0.9	174.8
4		2.5	173.2
—		3.2	172.5
Ao Line		2.8	173.9
	10.77	183.83	2.13	173.56

(200) West Line of Front

Ao Line	183.83	8.8	175.0
Curb		8.8	175.0
4		8.8	175.0
Ct.		8.0	175.8
4		7.0	176.8
—		6.9	176.9
No Line		7.4	176.4

East Line of Front.

No Line	3.9	179.9
—	4.5	179.3
4	5.4	178.4
Ct.	6.6	177.2
4	6.4	177.4
—	6.4	177.4
Ao Line	6.2	177.6

Ivory St.

25' East of Front

Do Line	183.83	5.8	178.0
—		5.6	178.2
4		4.8	179.0
Ct.		4.4	179.4
4		4.1	179.7
—		3.6	180.2
No Line		3.6	180.2

50' East of Front

No Line		2.3	181.5
—		3.1	180.7
4		3.6	180.2
Ct		4.0	179.8
4		4.3	179.5
—		5.2	178.6
Do Line		5.3	178.5

75' East of Front

Do Line	183.83	5.1	178.7
—		4.9	178.9
4		4.1	179.7
Ct.		3.3	180.5
4		3.0	180.8
—		2.3	181.5
No Line		1.4	182.4

100' East of Front

No Line		0.4	183.4
—		0.7	183.1
4		1.9	181.9
Ct.		2.3	181.5
4		3.1	180.7
—		3.7	180.1
Do Line		3.8	180.0
	12.15	194.18	1.80	182.03

Ivy St.

125' East of Front

No Line	194.18	9.7	184.5
—		10.1	184.1
4		11.3	182.9
Ct.		11.4	182.8
4		11.9	182.3
—		12.4	181.8
So Line		12.5	181.7

150' East of

So Line		11.0	183.2
—		10.9	183.3
4		10.4	183.8
Ct.		9.7	184.5
4		9.5	184.7
—		9.0	185.2
No Line		8.5	185.7

175' East of

No Line	194.18	7.5	186.7
—		7.8	186.4
4		7.6	186.6
Ct.		7.8	186.4
4		8.1	186.1
—		9.0	185.2
So Line		9.3	184.9

(200) West Line at 1st

So Line		8.0	186.2
—		7.5	186.7
4		7.0	187.2
Ct.		6.5	187.7
4		6.2	188.0
—		6.2	188.0
No Line		6.2	188.0
		7.62	186.56

Ivy St. 10/31/04
Hutchison
O + E

East Line of 1st Street

So L.	194.18	3,6		190.6
—		3,0		191.2
4		2,8		191.4
Ct.		2,4		191.8
4		1,6		192.6
—		1,6		192.6
No Line		0,9		193.3

25' East of

No Line		0,6		193.6
—		1,2		193.0
4		1,6		192.6
Ct.		1,6		192.6
4		2,3		191.9
—		2,8		191.4
So Line		2,8		191.4
	7.91	199.09	3,00	191.18

Ivy

50' East of 1st St.

	1,27	200.05	198.78	
No Line			6.5	193.6
Cu.			7,1	193.0
1/4			7,4	192.7
Ct			7,9	192.2
1/4			8,2	191.9
C			8,7	191.4
So L.			8,8	191.3

75' East of

So Line			8,2	191.9
C			8,1	192.0
1/4			7,9	192.2
Ct.			7,6	192.5
4			7,2	192.9
C			6,5	193.6
No Line			5,5	194.6

Continued in Book P

Amherst St.

11/23/04 Hutchison Torrance Evans

B.M.	6.80	218.11		211.31	Stone P.L. Cor. 28th St. + "Q"
	7.50	221.03	4.58	213.53	
	5.84	224.43	2.44	218.59	
B.M.			5.94	218.49	Hub - 100' N. of N.E. Cor. 28th St. + Dartmo.

East Line of 28th St.

So Line			5.2	219.2	
Curb			4.9		219.5
1/4			4.6		219.8
Ct.			4.3		220.1
1/4			4.3		220.1
Ct.			4.4		220.0
N. Line			4.9	219.5	219.5

75' East of 28th St.

N. Line			5.2		219.2
—			5.0		219.4
1/4			5.1		219.3
Ct.			5.4		219.0
1/4			5.9		218.5
—			6.6		217.8
So Line			6.6		217.8

50' East of 28th

So Line	224.43	7.5	216.9	
—		7.3		217.1
4		6.6		217.8
Ct.		6.0		218.4
4		5.6		218.8
—		5.6		218.8
No Line		6.0	218.4	218.4

75' East of

No L.		6.6		217.8
—		6.1		218.3
4		6.1		218.3
Ct.		6.4		218.0
4		6.6		217.8
—		7.7		216.7
So Line		7.9		216.5

100' East of 28th

So Line	224.43	8.2	216.2	
—		8.3		216.1
4		7.5		216.9
Ct.		7.0		217.4
4		6.7		217.7
—		7.0		217.4
No Line		7.1	217.3	

125' East of

No L.		7.6		216.8
—		7.7		216.7
4		7.6		216.8
Ct		7.9		216.5
4		8.4		216.0
—		8.8		215.6
So Line		8.9		215.5
	3.06	218.84	8.65	215.78

150' East of 28th

So Line	218.84	3,7	215.1	
—		3,8		215.0
4		3,0		215.8
Ct.		2,7		216.1
4		2,7		216.1
—		2,5		216.3
No Line		2,3	216,5	

175' East of

No Line	2,3		216.5
—	3,0		215.8
4	2,9		215.9
Ct	3,5		215.3
4	3,6		215.2
—	4,3		214.5
So Line	4,5		214.3

(Granada)

(200) West Line of Bean St.

So Line	218.84	5,4		213.4
—		5,0		213.8
4		4,4		214.4
Ct.		4,2		214.6
4		3,2		215.6
—		2,8		216.0
No Line		2,4		216.4

East Line of Bean St.

So Line	6,1		212.7
—	6,2		212.6
4	5,8		213.0
Ct.	5,6		213.2
4	5,3		213.5
—	4,7		214.1
No Line	4,5	214,3	

25' East of Beam

No Line	218.84	4.7	214.1
—		4.9	213.9
4		5.2	213.6
Ct.		5.6	213.2
4		5.9	212.9
—		6.4	212.4
So Line		6.4	212.4

50' East of Beam

So Line		6.9	211.9
—		6.6	212.2
4		6.0	212.8
Ct.		5.5	213.3
4		5.2	213.6
—		5.2	213.6
No Line		4.7	214.1

75' East of Beam

No Line		4.9	213.9
—		5.0	213.8
4		5.2	213.6
Ct.		5.4	213.4
4		6.1	212.7
—		6.6	212.2
So Line		7.0	211.8

100' East of

So Line		7.0	211.8
—		6.8	212.0
4		6.1	212.7
Ct		5.5	213.3
4		5.0	213.8
—		4.7	214.1
No Line		4.6	214.2

Amherst St.

125' East of Beam

Mc Line	218.84	4.2		214.6
—		4.5		214.3
4		4.9		213.9
Ct.		5.6		213.2
4		6.1		212.7
—		6.7		212.1
Se Line		7.0		211.8

150' East of

Se Line		6.9	211.9	
—		6.2		212.6
4		5.8		213.0
Ct.		5.1		213.7
4		4.7		214.1
—		4.3		214.5
Mc Line		3.8	215.0	

175' East of Beam

Mc Line	218.84	3.7		215.1
—		4.2		214.6
4		4.7		214.1
Ct.		5.2		213.6
4		6.1		212.7
—		6.6		212.2
Se Line		7.0		211.8

(200) West line of 29th.

Se Line		6.9	211.9	
—		6.3		212.5
4		5.5		213.3
Ct.		4.9		213.9
4		4.2		214.6
—		3.6		215.2
Mc Line		3.4	215.4	
	8.65	223.97	3.52	215.32

East Line of 29th

So Line	223.97	9.7	214.3	
—		8.4		215.6
4		7.2		216.8
Ct.		6.0		218.0
4		4.9		219.1
—		3.9		220.1
No Line		4.0	220.0	

25' East of

No Line	2.7		221.3
—	3.2		220.8
4	4.1		219.9
Ct.	5.2		218.8
4	6.4		217.6
—	7.4		216.6
So Line	9.0		215.0

50' East of 29th

So Line	8.6	215.4	
—	7.3		216.7
4	6.1		217.9
Ct.	5.4		218.6
4	4.6		219.4
—	3.6		220.4
No Line	2.9	221.1	

75 East of

No L.	3.2	220.8
—	3.9	220.1
4	5.0	219.0
Ct	5.9	218.1
4	6.8	217.2
—	7.8	216.2
So Line	9.2	214.8

100' East of 29th

So Line	223.97	9.2	214.8	
—		8.0		216.0
4		7.2		216.8
Ct.		6.2		217.8
4		5.1		218.9
—		4.0		220.0
No Line		3.3	220.7	

125' East of

No Line		3.7		220.3
—		4.4		219.6
4		5.2		218.8
Ct.		6.0		218.0
4		7.2		216.8
—		8.4		215.6
So Line		9.0		215.0

150' East of 29th

So Line	223.97	8.6	215.4	
—		7.9		216.1
4		7.0		217.0
Ct.		6.3		217.7
4		5.6		218.4
—		5.0		219.0
No Line		5.4	218.6	

175' East of

No Line		5.3		218.7
—		6.0		218.0
4		6.4		217.6
Ct.		7.3		216.7
4		7.7		216.3
—		8.2		215.8
So Line		9.1		214.9

(200) West Line of Dale

So Line	223.97	11.4	212.6	.6
—		10.3		213.7
4		9.5		214.5
Ct.		8.5		215.5
4		7.4		216.6
—		6.6		217.4
No Line		6.1	217.9	

East Line of Dale

No Line		6.5	217.5	
—		6.5		217.5
4		5.9		218.1
Ct.		5.7		218.3
4		5.7		218.1
—		5.8		218.2
So Line		6.1	217.9	
B.M.		6.47	217.50	

Hub N.E. Cor. of Dale & Amherst

25' East of Dale

So Line	223.97	5.0		219.0
—		4.7		219.3
4		4.6		219.4
Ct.		4.5		219.5
4		4.9		219.1
—		5.3		218.7
No Line		5.7		218.3

50' East of

No Line		4.8	219.2	
—		4.4		219.6
4		3.9		220.1
Ct		3.9		220.1
4		3.8		220.2
—		3.8		220.2
So Line		3.8	220.2	

75' East of Dale

	9.91	227.41	217.50	
So Line		6.4		221.0
—		6.5		220.9
14		6.5		220.9
Ct.		6.6		220.8
4		6.9		220.5
—		7.1		220.3
No Line		7.4		220.0

100' East of

No. L.		6.8	220.6	
—		6.3		221.1
4		6.2		221.2
Ct.		6.1		221.3
4		5.8		221.6
—		5.6		221.8
So Line		5.5	222.9	

125' East of

So Line		5.2		222.2
—		5.4		222.0
4		5.6		221.8
Ct.		5.6		221.8
4		5.9		221.5
—		6.2		221.2
No Line		6.5		220.9

150' East

No Line		6.0	221.4	
—		5.7		221.7
4		5.4		222.0
Ct		5.3		222.1
1/4		5.0		222.4
—		4.9		222.5
So Line		4.4	223.0	

175' East of Dale

So Line	227.41	4.4	223.0
—		4.5	222.9
4		4.8	222.6
Ct		5.0	222.4
4		5.2	222.2
—		5.4	222.0
No Line		5.7	221.7

(200) West Line of 30th

No Line		5.3	222.1
—		5.1	222.3
4		4.8	222.6
Ct.		4.6	222.8
4		4.3	223.1
—		4.0	223.4
So Line		3.8	223.6

East Line of 30th

So Line	227.41	3.1	224.3
—		3.1	224.3
4		3.3	224.1
Ct.		3.4	224.0
4		3.3	224.1
—		3.8	223.6
No Line		4.0	223.4

25' East of

No Line		3.8	223.6
—		3.6	223.8
4		3.4	224.0
Ct.		3.2	224.2
4		2.9	224.5
—		2.6	224.8
So Line		2.4	225.0
B.M.	4.65	230.63	1.41	225.98 ~~226.00~~

Spk in Cor. of Corral 20' E + 50' So of SE Cor of 30th + Amherst.

50' East of 30th

Do Line	230.63	5.3	225.3	
—		5.6		225.0
4		5.8		224.8
Ct.		6.1		224.5
4		6.4		224.2
—		6.5		224.1
Mo Line		6.8	223.8	

75' East of

Mo Line		6.5		224.1
—		6.2		224.4
4		5.9		224.7
Ct.		5.8		224.8
4		5.5		225.1
—		5.2		225.4
Do Line		5.2		225.4

Amherst.

100' East of 30th

Do Line		4.9	225.7	
—		5.0		225.6
4		5.0		225.6
Ct.		5.2		225.4
4		5.5		225.1
—		5.6		225.0
Mo Line		6.0	224.6	

125' East of

Mo Line		5.6		225.0
—		5.3		225.3
4		5.1		225.5
Ct.		5.1		225.5
4		4.8		225.8
—		4.4		226.2
Do Line		4.4		226.2

150' East of 30th

Do Line	230.63	4.1	226.5	
—		4.3		226.3
4		4.6		226.0
Ct.		4.5		226.1
4		4.6		226.0
—		4.9		225.7
Mo Line		5.3	225.3	

175' East of 30th

Mo Line		4.9		225.7
—		4.8		225.8
4		4.6		226.0
Ct		4.3		226.3
4		4.1		226.5
—		3.8		227.8
Do Line		3.5		227.1

Amherst 11/23/04

(200) West Line of Fern St.

Do Line		3.4	227.2	
—		3.5		227.1
4		3.8		226.8
Ct.		3.8		226.8
4		4.1		226.5
—		4.2		226.4
Mo Line		4.5	226.1	
B.M.		4.40	226.23	

Hub N.W. Cor Amherst & Fern.

Forest

Dole

Copied in 2/6/05
Record B P 182

187' No. of Amherst. (N. Line of Park)

	10.28	227.78	217.50	
B.M.		1.10	226.68	Spike
East Line		3,4	224.4	
—		3,7	224.1	
4		3,5	224.3	
Ct.		3,4	224.4	
4		3,2	224.6	
—		2,7	225.1	
West Line		2,5	225.3	

175' No. of Amherst

West Line	2,7	225.1
—	3,2	224.6
4	3,8	224.0
Ct.	4,0	223.8
4	4,3	223.5
—	4,4	223.4
East Line	4,4	223.4

First in Fence Post. No of Park Line East side of Gate

150' No of Amherst

East Line	227.78	5,0	222.8
—		5,5	222.3
4		5,1	222.7
Ct.		5,1	222.6
4		4,4	223.4
—		3,8	224.0
West Line		4,2	223.6

125' No of Amherst

West Line	5,1	222.7
—	5,7	222.1
4	5,7	222.1
Ct.	5,4	222.4
4	5,8	222.0
—	6,0	221.8
East L	6,2	221.6

Dale

100' No of Amherst			
East L	227.78	6.9	220.9
—		6.2	221.6
4		6.4	221.4
Ct.		6.9	220.9
4		6.7	221.1
—		5.9	221.9
West Line		5.4	222.4
75' No of			
West L.		6.7	219.1
—		6.8	221.0
4		7.6	220.2
Ct.		7.5	220.3
4		6.9	220.9
—		7.4	220.4
East Line		7.8	220.0

50' No of Amherst			
East Line	227.78	8.3	219.5
—		8.2	219.6
4		8.4	219.4
Ct.		8.3	219.5
4		8.3	219.5
—		8.0	219.8
West Line		7.8	220.0
25' No of Amherst			
W. L.		9.1	218.7
—		9.4	218.4
4		9.4	218.4
Ct.		9.8	218.0
4		9.8	218.0
—		9.2	218.6
East Line		9.2	218.6

No Line of Amherst

East Line	227.78	10.3	217.5
—		10.9	216.9
4		11.4	216.4
Ct.		11.6	216.2
4		11.4	216.4
—		10.6	217.2
West Line		9.9	217.9
	4.49	221.99	217.50

No Cent Line of Amherst

East Line	4.5	217.5
—	4.9	217.1
4	5.4	216.6
Ct.	6.3	215.7
7' West of Ct.	6.8	215.2
4	6.1	215.9
—	5.2	216.8
West Line	4.7	217.3

No 1/4 Line of Amherst

West Line	221.99	5.4	216.6
—		6.3	215.7
4		6.8	215.2
Ct.		6.2	215.8
4		5.0	217.0
—		4.4	217.6
East Line		4.0	218.0

Center Line of Amherst

East Line	3.8	218.2
—	4.4	217.6
4	5.0	217.0
Ct	6.0	216.0
4	6.9	215.1
—	7.1	214.9
West Line	6.5	215.5

So 1/4 Line of Amherst.

West Line	221.99	7.6	214.4
5' East of west Line		8.7	213.3
Curb		7.7	214.3
4		6.8	215.2
Ct.		6.1	215.9
4		5.3	216.7
—		4.5	217.5
East Line		3.9	218.1

So Curb Line of Amherst

East Line	4.0	218.0
—	4.6	217.4
4	5.6	216.4
Ct.	5.9	216.1
4	6.9	215.1
—	8.3	213.7
4' East of West Line	9.6	212.4
West Line	8.4	213.6

So Line of Amherst.

West Line	9.4	212.6
4' East of west Line	10.2	211.8
—	8.1	213.9
4	6.8	215.2
Ct.	6.0	216.0
4	5.9	216.1
—	5.0	217.0
East Line	4.1	217.9

25' So of Amherst

East Line	4.4	217.6
—	5.2	216.8
4	6.4	215.6
Ct.	6.7	215.3
4	7.3	214.7
—	7.8	214.2
West Line	8.5	213.5

50' South of Amherst.

West Line	221.99	8.6	213.4
—		7.9	214.1
4		7.4	214.6
Ct.		7.0	215.0
4		6.5	215.5
—		5.6	216.4
East Line		4.7	217.3

75' South

E. L.		4.6	217.4
—		5.3	216.7
4		5.5	215.5
Ct.		6.9	215.1
4		7.8	214.2
—		8.3	213.7
W. L.		8.9	213.1

100' South of Amherst

W. L.	221.99	9.1	212.9
—		8.1	213.9
4		7.6	214.4
Ct.		7.0	215.0
4		6.2	215.8
—		5.3	216.7
East Line		4.6	217.4

125' South

E. L.		4.3	217.7
—		5.3	216.7
4		5.7	216.3
Ct.		6.3	215.7
4		6.9	215.1
—		7.6	214.4
W. L.		8.4	213.6

150' So of Amherst,

West L,	221.99	7.7	214.3
—		7.0	215.0
4		6.5	215.5
Ct.		5.7	216.3
4		5.2	216.8
—		4.9	217.1
East Line		4.2	217.8

175' So of

East L,		4.2	217.8
—		4.6	217.4
4		5.2	216.8
Ct,		5.7	216.3
4		6.3	215.7
—		6.7	215.3
W L,		7.2	214.8

200' So of Amherst

W, L,		7.5	214.5
—		7.3	214.7
4		6.9	215.1
Ct.		6.5	215.5
4		6.1	215.9
—		5.4	216.6
East L,		4.6	217.4

225' So of

E, L;		5.3	217
—		6.3	215.7
4		7.0	215.0
Ct,		7.5	214.5
4		8.0	214.0
—		8.3	213.7
W L,		8.5	213.5

250' South Amherst

West L.	221.99	9.4	212.6
—		8.9	213.1
4		8.7	213.3
Ct.		8.2	213.8
4		7.6	214.4
—		6.9	215.1
E. L.		6.2	215.8

275' South

E. L.		6.6	215.4
—		7.0	215.0
4		7.2	214.8
Ct.		7.6	214.4
4		7.8	214.2
—		8.1	213.9
West Line		8.6	213.4

Dale 11/23/04 Hutchison Torrance Evans

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(300) No Line of Dartmouth

West Line	221.99	7.3	214.7	
—		6.9		215.1
4		6.7		215.3
Ct.		6.3		215.7
4		6.3		215.7
Curb		6.2		215.8
East Line		5.8		216.2
B.M.		2.02	219.97	446

58' So and 5' East of S.E. Cor. Dartmouth + Dale

Cont in Book 128.

Quince St.

4th to 5th

	5.02	282.26		277.24
	3.73	282.11	3.88	278.38

West Line of 5th Street

So Line	3.3	278.8
Cb.	3.4	278.7
1/4	3.4	278.7
Ct.	3.7	278.4
1/4	3.1	279.0
Cb	3.2	278.9
No Line	3.4	278.7

25' West of 5th

No Line	3.3	278.8
Ct.	2.7	279.4
1/4	2.9	279.2
Ct.	3.2	278.9
1/4	3.1	279.0
Cb.	3.0	279.1
So Line	3.2	278.9

12/21/02 { Hutchison, Evans, Lewis

50' West of 5th

So Line	3.5	278.6
Ct.	3.4	278.7
1/4	3.4	278.7
Ct	3.7	278.4
1/4	3.8	278.3
Ct.	3.4	278.7
No Line	3.4	278.7

75' West of 5th

No Line	4.7	277.4
Ct.	4.9	277.2
1/4	5.0	277.1
Ct.	5.2	276.9
1/4	4.6	277.5
Cb.	4.2	277.9
So Line	3.9	278.2

100' West of 5th

So Line	5.2	276.9
Cb	6.2	275.9
1/4	6.9	275.2
Ct.	7.3	274.8
1/4	7.2	274.9
Cb	6.8	275.3
No Line	6.7	275.4

Quincy St.

125' West of 5th

No Line	282.11	7.7	274.4
Cb		8.1	274.0
1/4		8.6	273.5
Ct.		9.1	273.0
1/4		9.2	272.9
Cb.		9.1	273.0
So Line		7.9	274.2

150' West of 5th

So Line		11.0	271.1
Ct.		11.5	270.6
1/4		11.4	270.7
Ct.		10.4	271.7
1/4		10.1	272.0
Ct.		9.7	272.4
No Line		9.5	272.6

175' West of 5th

No Line	282.11	11.3	270.8
Cb.		11.6	270.5
1/4		11.8	270.3
Ct.		12.1	270.0
1/4		12.5	269.6
Cb.		12.8	269.3
So Line		12.9	269.2

(200) East Line of 4th

So Line		12.9	269.2
Cb.		13.6	268.5
1/4		13.3	268.8
Ct.		13.2	268.9
1/4		13.0	269.1
Cb.		13.2	268.9
No Line		12.6	269.5

Grape St.

1.08	110.14		109.06	

West Line of Albatross

M° Line	3.9	106.2
Cb.	4.1	106.0
Gutter	5.2	104.9
1/4	5.2	104.9
Ct.	5.0	105.1
1/4	5.9	104.2
Gutter	5.8	104.3
Curb	5.1	105.0
So Line	5.0	105.1

95' West of Albatross.

So Line	7.7	102.4
Cb	7.7	102.4
Gutter	8.1	102.0
1/4	7.3	102.8
Ct.	6.5	103.6
1/4	6.7	103.4
Gutter	6.6	103.5
Curb	6.0	104.1
No Line	5.9	104.2

12/21/04 { Hutchison, Evans, Lewis

50' West of Albatross,

M° Line	110.14	7.4		102.7
Cb		7.6		102.5
Gutter		8.2		101.9
1/4		8.2		101.9
Ct.		8.5		101.6
1/4		9.2		100.9
Gutter		10.1		100.0
Cb.		9.6		100.5
So Line		9.8		100.3

75' West of Albatross

So Line		11.6		98.5
Cb.		11.2		98.9
Gutter		11.7		98.4
1/4		11.0		99.1
Ct.		10.4		99.7
1/4		10.4		99.7
Gutter		10.6		99.5
Cb.		9.6		100.5
M° Line		9.3		100.8
1.48	100.94	10.68	99.46	

Grotto

100' West of Albatross

Mc Line	100.94	2.0	98.9
Curb		2.2	98.7
Gutter		2.9	98.0
1/4		2.9	98.0
Ct.		2.9	98.0
1/4		4.1	96.8
Gutter		4.6	96.3
Curb		4.3	96.6
So Line		4.5	96.5

125' West of Albatross

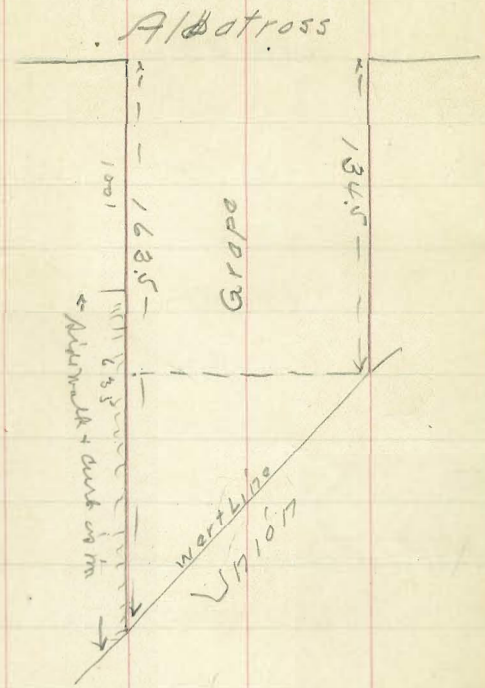
So Line		6.2	94.7
Ct.		6.2	94.7
Gutter		6.2	94.7
1/4		5.8	95.1
Ct.		5.1	95.8
1/4		4.5	96.4
Gutter		4.4	96.5
Curb		3.8	97.1
Mc Line		3.6	97.3

134.5' West of Albatross

Mc Line.	100.94	3.9	97.0
Curb		4.5	96.4
Gutter		4.9	96.0
1/4		5.1	95.8
Ct.		5.1	95.8
1/4		6.2	94.7
Curb Gutter		6.7	94.2
So Line		6.8	94.1

East Line of Union

So Line		6.8	94.1
Ct.		6.6	94.3
1/4		6.2	94.7
Ct.		5.8	95.1
1/4		5.8	95.1
Curb Gutter		6.3	94.6
Mc Line		6.0	94.9


Albatross
Grape
Union
wert Line
100'
163.5
134.5

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

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

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

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.		

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