Cross Section
30th. Street
from
South line Greely Ave
to
South line Bay Ave.

5

Dartmouth 28th to Fern
E 11a (30th)
28th Dartmouth to "B"
28th Dtmith to No. Line Sa. Park.

F.B. 184

184

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

184

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Ward
Pennie
Curwell

1

8/4.04

				S.E. cor Greely ave
	3.50	78.14	74.64	B.M.
	25' so. of Greely ave			
E Line			3.4	74.7
ct			3.3	74.8
¼			3.2	74.9
c			3.0	75.1
¼			3.0	75.1
cb			3.0	75.1
W Line			3.0	75.1
	50' so. of Greely ave			
W Line			3.2	74.9
ct			3.4	74.7
¼			3.2	74.9
c			3.0	75.1
¼			3.4	74.7
ct			3.4	74.7

E Line	78.14	3.4	74.7
75' so. of Greely Ave			
E Line		3.2	74.9
℄		3.4	74.7
¼		3.4	74.7
C		3.2	74.9
¼		3.4	74.7
℄		3.6	74.5
W Line		3.7	74.4
100' so. of Greely Ave			
W Line		4.0	74.1
℄		4.4	73.7
¼		4.0	74.1
C		4.1	74.0
¼		3.9	74.2
℄	78.14	3.8	74.3
E Line		3.5	74.6
111 so. of Greely to Pueblo Line.			
E Line		3.6	74.5
℄		4.3	73.8
¼		4.3	73.8
C		4.3	73.8
¼		4.4	73.7
℄		4.5	73.6
W Line		4.4	73.7
X-section for 80' St.			
℄		4.3	73.7
W Line		4.6	73.5

125 so. of Greely ave

78.14

W Line	4.9	73.2
cf	4.6	73.5
¼	4.7	73.4
c	4.6	73.5
¼	4.6	73.5
cf	4.5	73.6
E Line	3.8	74.3

No. alley line 140' so. of Greely ave

E Line	4.1	74.0
cf	4.5	73.6
¼	4.8	73.3
c	4.8	73.3
¼	4.9	73.2
cf	4.6	73.5
W Line	4.9	73.2

No. alley line 160' so. of Greely ave

78.14

W Line	5.3	72.8
cf	5.2	72.9
¼	5.2	72.9
c	5.2	72.9
¼	4.8	73.3
cf	5.2	72.9
E Line	5.0	73.1

175' so. of Greely ave

E Line	4.9	73.2
cf	5.6	72.5
¼	5.0	73.1
c	5.6	72.5
¼	5.6	72.5
cf	5.7	72.4
W Line	5.4	72.7

200' so of Greely ave

78.14

W Line	5.7	72.4
of	6.1	72.0
¼	6.0	72.1
C	6.0	72.1
¼	5.7	72.4
of	5.9	72.2
E Line	5.5	72.6

225 so of Greely ave

E Line	5.8	72.3
of	6.2	71.9
¼	5.6	72.5
C	6.3	71.8
¼	6.2	71.8
of	6.1	72.0
W Line	5.7	72.4

250' so of Greely ave

78.14

W Line	6.7	71.4
of	6.5	71.6
¼	6.9	71.2
C	6.7	71.4
¼	6.2	71.9
of	6.6	71.5
E Line	6.4	71.7

275' so of Greely ave

E Line	6.9	71.2
of	7.0	71.1
¼	6.7	71.4
C	7.1	71.0
¼	7.2	70.9
of	7.3	70.8
W Line	6.8	71.3

300'S.o.f Creek/NO PROP Line of Logan ave

78.14

W Line	7.2	70.9
of	7.6	70.5
¼	7.9	70.2
C	7.5	70.6
¼	7.5	70.6
of	7.3	70.8
E Line	7.0	71.0

NO Curb of Logan ave

E Line	7.2	70.9
of	7.9	70.2
¼	8.0	70.1
C	8.0	70.1
¼	8.1	70.0
of	8.2	69.9
W Line	7.3	70.6

NO ¼ of Logan ave

78.14

W Line	7.9	70.2
of	8.0	70.1
¼	8.3	69.8
C	8.0	70.1
¼	8.0	70.1
of	7.8	70.3
E Line	7.8	70.3

Center of Logan ave

E Line	7.7	70.4
of	7.8	70.3
¼	7.9	70.2
C	8.0	70.1
¼	8.3	69.8
of	8.0	70.1
W Line	8.0	70.1

So. 1/4 of Logan ave

		78.14			
W Line				8.5	69.6
ct				8.5	69.6
1/4				8.8	69.3
c				8.3	69.8
1/4				8.2	69.9
ct				8.1	70.0
E Line				8.0	70.1

So. Curb of Logan ave

E Line				8.4	69.7
ct				8.7	69.4
1/4				8.7	69.4
c				8.9	69.2
1/4				9.0	69.1
ct				9.3	68.8
W Line				8.6	69.5

So Prop Line of Logan ave

W Line			78.14	8.5	69.6
ct				8.6	69.5
1/4				8.9	69.2
c				8.5	69.6
1/4				8.5	69.6
ct				8.3	69.8
E Line				8.3	69.8
T.P.	on Hub S.E. cor. Logan + 30	2.62	72.80	7.96	70.18

25' So. of Logan ave

E Line				3.0	69.8
ct				2.9	69.9
1/4				3.1	69.7
c				3.6	69.2
1/4				3.7	69.1
ct				3.7	69.1

W Line	72.80	3.9	68.9

50 ~~45~~ ' so. of Logan Ave

W Line	3.8	69.0
ct	3.8	69.0
1/4	4.0	68.8
c	3.7	69.1
1/4	3.6	69.2
ct	3.7	69.1
E Line	3.8	69.0

75 ~~100~~ ' so. of Logan Ave

E Line	3.7	69.1
ct	3.4	69.4
1/4	3.3	69.5
c	3.8	69.0
1/4	4.1	68.7

ct	72.80	4.0	68.8
W Line		4.0	68.8

100 ~~125~~ ' so. of Logan Ave

W Line	4.4	68.4
ct	4.3	68.5
1/4	4.5	68.3
c	4.3	68.5
1/4	3.7	69.1
ct	3.8	69.0
E Line	3.9	69.9

running alley, 125 ~~140~~ so. of Logan Ave

E Line	4.4	68.4
ct	4.2	68.6
1/4	3.9	68.9
c	4.5	68.3

¼	72.80	4.6	68.2
cl		4.5	68.3
W Line		4.5	68.3
W Line alley 140' So. of Logan ave			
W Line		4.6	68.2
cl		4.7	68.1
¼		4.7	68.1
c		4.6	68.2
¼		4.0	68.8
cl		4.3	68.5
E Line		4.4	68.4
So. Line of alley 160' So. of Logan ave			
E Line		4.4	68.4
cl		4.3	68.5
¼		4.3	68.5

c	72.80	4.8	68.0
¼		5.1	67.7
cl		5.1	67.7
W Line		5.2	67.6
175' So. of Logan ave			
W Line		5.3	67.5
cl		5.3	67.5
¼		5.8	67.0
c		5.2	67.6
¼		4.5	68.3
cl		4.5	68.3
E Line		4.3	68.5
200' So. of Logan ave			
E Line		5.2	67.6
cl		4.9	67.9

¼	72.80	5.1	67.7
C		6.0	66.8
¼		6.5	66.3
cf		5.9	66.9
W Line		5.6	67.2

225' So. of Logan Ave.

W Line		6.4	66.4
cf		6.7	66.1
¼		6.9	65.9
C		6.4	66.4
¼		5.8	67.0
cf		5.7	67.1
E Line		6.4	66.4

250' So. of Logan Ave

E Line		7.3	65.5

cf	72.80	7.0	65.8
¼		6.8	66.0
C		7.2	65.6
¼		7.4	65.4
cf		7.5	65.3
W Line		7.4	65.4

275' So. of Logan Ave

W Line		7.8	65.0
cf		8.0	64.8
¼		7.7	65.1
C		7.8	65.0
¼		7.5	65.3
cf		7.8	65.0
E Line		7.8	65.0

No Prop Line of National Ave 300' So. of Log

72.80

E Line				8.2	64.6
cb				8.3	64.5
1/4				8.3	64.5
c				8.7	64.1
1/4				8.6	64.2
cb				8.3	64.5
W Line				8.0	64.8

No. Curb of National Ave

W Line				8.0	64.8
cb				8.8	64.0
1/4				8.8	64.0
c				8.8	64.0
1/4				8.7	64.1
cb				8.9	63.9
E Line				8.5	64.3

No 1/4 of National Ave

72.80

E Line				8.4	64.4
cb				8.5	64.3
1/4				8.5	64.3
c				8.5	64.3
1/4				8.6	64.2
cb				8.5	64.3
W Line				8.7	64.1

Center of National Ave

W Line				8.6	64.2
cb				8.5	64.3
1/4				8.5	64.3
c				8.5	64.3
1/4				8.5	64.3
cb				8.5	64.3
E Line				8.5	64.3

+43 No. Rail. S.D. Elec. R.R.

72.80

E Line	8.4	64.4
℄	8.5	64.3
¼	8.5	64.3
c	8.5	64.3
¼	8.5	64.3
℄	8.5	64.3
W Line	8.5	64.3

+49 So. Rail.

W Line	8.5	64.3
℄	8.5	64.3
¼	8.5	64.3
c	8.5	64.3
¼	8.5	64.3
℄	8.5	64.3
E Line	8.4	64.4

So. ¼ of National ave

72.80

E Line	8.9	63.9
℄	8.9	63.9
¼	8.7	64.1
c	8.8	64.0
¼	8.9	63.9
℄	8.9	63.9
W Line	9.0	63.8

So. Curv ℄ of National ave

W Line	9.8	63.0
℄	10.1	62.7
¼	9.6	63.2
c	9.6	63.2
¼	9.0	63.8
℄	9.4	63.4
E Line	9.4	63.4

So Prop Line National arc

72.80

E Line			9.3	63.5
ct			9.4	63.4
¼			9.7	63.1
c			10.0	62.8
¼			10.5	62.3
ct			10.4	62.4
W Line			9.4	63.4
T.P.	on N&W line Water Hyd.		7.29 old	65.5 ✓ B.M.
		0.59 66.33 ✓		65.74

25' So. of National arc

E Line	4.3	62.0	
ct	4.0	62.3	
¼	4.0	62.3	
c	4.4	61.9	
¼	4.3	62.0	
ct	66.33	3.3	63.0
W Line		3.2	63.1

50' So. of National arc

W Line	4.0	62.3
ct	4.3	62.0
¼	4.9	61.4
c	5.0	61.3
¼	4.9	61.4
ct	5.0	61.3
E Line	5.4	60.9

75' So. of National arc

E Line	5.7	60.6
ct	5.7	60.6
¼	5.7	60.6
c	6.0	60.3

¼	6633	5.6	60.7
ct		5.2	60.1
W line		4.6	61.7
	100' So. of National ave		
W line		5.0	61.3
ct		6.0	60.3
¼		6.4	59.9
c		6.4	59.9
¼		6.6	59.7
ct		6.3	60.0
E line		6.2	60.1
	125' So. of National ave		
E line		6.9	59.4
ct		7.0	59.3
¼		7.3	59.0
c	6633	7.0	59.3
¼		7.0	59.3
ct		6.5	59.8
W line		5.8	60.5
	No. Line alley 140' so. of National ave		
W line		6.3	60.0
ct		6.9	59.4
¼		7.2	59.1
c		7.8	58.5
¼		8.0	58.3
ct		7.6	58.7
E line		7.6	58.7
	So. Line alley 160' so of National ave		
E line		8.2	58.1
ct		8.1	58.2

1/4		66.33	8.3	58.0
c			8.1	58.2
1/4			8.0	58.3
cb			7.3	59.0
WLine			7.2	59.1
	175' so. of National ave			
WLine			7.6	58.7
cb			8.0	58.3
1/4			8.4	57.9
c			8.7	57.6
1/4			8.9	57.4
cb			8.7	57.6
ELine			8.7	57.6

200' so. of National ave			
66.33			
ELine	9.0	57.3	
cb	9.4	56.9	
1/4	9.3	57.0	
c	9.0	57.3	
1/4	8.8	57.5	
cb	8.4	57.9	
WLine	8.5	57.8	
225' so. of National ave			
WLine	9.0	57.3	
cb	9.0	57.3	
1/4	9.0	57.3	
c	9.4	56.9	
1/4	9.7	56.6	
cb	9.8	56.5	
ELine	9.1	57.2	

250' So. of National Ave

		66.33		
E Line			9.1	57.2
cb			10.3	56.0
1/4			10.2	56.1
c			9.9	56.4
1/4			9.4	56.9
cb			9.7	56.6
W Line			9.7	56.6

275' So. of National Ave

W Line			11.0	55.3
cb			10.9	55.4
1/4			10.7	55.6
c			10.6	55.7
1/4			10.8	55.5
cb			10.3	56.0
E Line			9.0	57.3

No. Prop. Line of Grand Ave.

1			66.33		
E Line				8.4	58.9
cb				10.2	56.1
1/4				10.6	55.7
c				11.0	55.3
1/4				11.9	54.4
cb				11.7	54.6
W Line				11.8	54.5
T.P.	on Hub N.W. cor Grand & 30	5.14	✓59.72	11.75	54.58

No. Curb of Grand Ave

W Line				5.9	53.8
cb				4.6	55.1
1/4				4.0	55.7
c				4.4	55.3
1/4				4.0	55.9
cb				3.4	55.3
E Line				1.5	58.2

NO 1/4 of Grand ave

59.72

E Line	1.2	58.5
ct	3.5	56.2
1/4	4.0	55.7
c	4.2	55.5
1/4	4.7	55.0
ct	5.3	54.4
W Line	6.0	53.7

35' So. of No Prop Line:

W Line	5.9	53.8
ct	5.4	54.3
1/4	4.5	55.2
c	4.5	55.2
1/4	4.3	55.4
ct	4.0	55.7
E Line	1.9	57.8

38' So. of No. Prop Line Toe Slope.

59.72

E Line	4.6	55.1
ct	4.4	55.3
1/4	4.5	55.2
c	5.1	54.6
1/4	5.8	53.9
ct	6.0	53.7
W Line	6.4	53.3

Center of Grand. st. R.R Grade

W Line	5.5	54.2
ct	5.2	54.5
1/4	4.9	54.8
c	4.6	55.1
1/4	4.3	55.4
ct	4.0	55.7
E Line	3.7	56.0

45' So. R. R. Grade N. C & O.

59.72

E Line	3.7	56.0
ct	4.0	55.7
¼	4.3	55.4
c	4.7	55.0
¼	5.0	54.7
ct	5.3	54.4
W Line	5.5	54.2

So. ¼ of Grandare

W Line	6.8	53.4
ct	6.2	53.5
¼	5.7	54.0
c	4.5	55.2
¼	4.2	55.5
ct	4.3	55.4
E Line	3.6	56.1

So. Curb of Grandare

59.72

E Line	3.7	56.0
ct	3.7	56.0
¼	3.2	56.5
c	3.4	56.3
¼	3.9	55.8
ct	4.8	54.9
W Line	5.4	54.3

So. Prop. Line of Grandare

W Line	5.4	54.3
ct	4.7	55.0
¼	4.0	55.7
c	3.3	56.4
¼	3.2	56.5
ct	3.6	56.1
E Line	4.0	55.7

25' So. of Grandave

59.72

ELine	4.0	55.7
ct	3.9	55.8
¼	3.4	55.3
c	4.2	55.5
¼	4.8	54.9
ct	5.5	54.2
WLine	6.1	53.6

50' So. of Grandave

WLine	6.5	53.2
ct	5.5	54.2
¼	4.6	55.1
c	4.1	55.6
¼	3.6	56.1
ct	3.8	55.9
ELine	4.1	55.6

75' So. of Grandave

59.72

ELine	3.6	56.1
ct	3.2	56.5
¼	3.3	56.4
c	4.5	55.2
¼	5.0	54.7
ct	5.8	53.9
WLine	7.0	52.7

100' So. of Grandave

WLine	7.0	52.7
ct	5.9	53.8
¼	5.5	54.2
c	5.2	54.5
¼	4.5	55.2
ct	4.2	55.5
ELine	4.5	55.2

125' So. of Grand ave

59.72

ELine	5.0	54.7
ct	5.2	54.5
1/4	5.2	54.5
C	5.2	54.5
1/4	5.5	54.2
ct	5.8	53.9
WLine	6.5	53.2

So. Line Alley 140' So. of Grand Ave

WLine	7.4	52.3
ct	6.6	53.1
1/4	6.4	53.3
C	6.2	53.5
1/4	5.9	53.8
ct	5.8	53.9
ELine	5.5	54.2

So. Line Alley 160' So. of Grand Ave

59.72

ELine	6.1	53.6
ct	6.3	53.4
1/4	6.4	53.3
C	6.9	52.8
1/4	7.6	52.1
ct	8.1	51.6
WLine	8.3	51.4

175' So. of Grand Ave

WLine	9.0	50.7
ct	8.3	51.2
1/4	8.4	51.3
C	8.1	51.6
1/4	7.3	52.4
ct	6.7	53.0
ELine	6.4	53.3

200' so. of Grandave

59.72

E Line	6.9	52.8
ct	7.2	51.5
1/4	7.6	52.1
c	8.4	51.3
3/4	9.2	50.5
ct	9.7	50.0
W Line	10.2	49.5

225' so. of Grandave

W Line	10.3	49.4
ct	9.1	50.6
1/4	8.6	51.1
c	8.3	51.4
3/4	7.8	51.9
ct	7.5	52.2
E Line	7.4	52.3

250' so. of Grandave

59.72

E Line	10.8	48.9
ct	9.9	49.8
1/4	9.3	50.4
c	8.8	50.9
3/4	8.8	50.9
ct	9.4	50.3
W Line	10.3	49.4

275' so. of Grandave

W Line	13.5	46.2
ct	12.3	47.4
1/4	11.5	48.2
c	11.7	48.0
3/4	12.4	47.3
ct	12.9	46.8
E Line	13.6	46.1

		59.72		
T.P.	5.01	52.03	12.70	47.02

300' so of Grand No Propline of Bostonave

E Line	6.7	45.3
cb	8.1	43.9
1/4	8.6	43.4
c	8.8	43.2
1/4	9.4	42.6
cb	9.1	42.9
W Line	10.3	41.7

No. Curb of Bostonave

W Line	13.0	39.0
cb	12.1	39.9
1/4	11.2	40.8
c	10.4	41.6
1/4	9.5	42.5

cb	52.03	7.2	44.8
E Line		6.9	45.1

No. 1/4 of Bostonave

E Line	6.7	45.3
cb	7.9	44.1
1/4	9.1	42.9
c	10.6	41.4
1/4	11.8	40.2
cb	13.0	39.0
W Line	14.0	38.0

Center of Bostonave

W Line	12.5	39.5
cb	11.0	41.0
1/4	10.6	41.4
c	9.9	42.1

¼	52.03	8.9	43.1
℄		7.6	44.4
E Line		6.1	45.9

So ¼ of Boston ave

E Line		5.3	46.7
℄		7.1	44.9
¼		8.4	43.6
C		9.5	42.5
¼		9.9	42.1
℄		10.0	42.0
W Line		10.2	41.8

So. Curb of Boston Ave

W Line		5.9	46.1
℄		7.1	44.9
¼		7.5	44.5
C	52.03	7.0	45.0
¼		4.9	47.1
℄		4.0	48.0
E Line		2.9	47.1 ✓

So. Prop Line of Boston Ave.

E Line		1.7	50.3
℄		1.5	50.5
¼		1.4	50.6
C		1.9	50.1
¼		2.8	49.2
℄		1.5	50.5
W Line		1.8	50.2

T.P on Rock on W Line	3.985	53.630 ✓	2.385	49.645	

25' so. of Boston ave

53.63

W Line	1.8	51.8
cf	1.8	51.8
¼	1.7	51.9
c	1.4	52.2
¼	1.7	51.9
cf	1.4	52.2
E Line	0.6	53.0

50' so. of Boston ave

E Line	1.1	52.5
cf	1.2	52.4
¼	1.3	52.3
c	2.2	51.4
¼	1.8	51.8
cf	2.0	51.6
W Line	2.0	51.6

75' so. of Boston ave

53.63

W Line	3.0	50.6
cf	2.7	50.9
¼	2.5	51.1
c	2.2	51.4
¼	2.0	51.6
cf	1.8	51.8
E Line	1.9	51.7

100' so. of Boston ave

E Line	2.5	51.1
cf	2.8	50.8
¼	2.9	50.7
c	3.1	50.5
¼	3.2	50.4
cf	3.3	50.3
W Line	3.4	50.2

125' so. of Boston arc

53.63

W Line	4.1	49.5
cf	4.0	49.6
1/4	4.0	49.6
c	3.8	49.8
1/4	3.6	50.0
cf	3.7	49.9
E Line	3.4	50.2

No. Line of alley 140' so. of Boston arc

E Line	3.7	49.9
cf	3.9	49.7
1/4	4.0	49.6
c	4.5	49.1
1/4	4.8	48.8
cf	4.9	48.7
W. Line	5.0	48.6

So. Line of Alley 160' so of Boston arc

53.63

W Line	6.1	47.5
cf	5.9	47.7
1/4	5.8	47.8
c	5.6	48.0
1/4	5.1	48.5
cf	4.8	48.8
E Line	4.2	49.4

175' so. of Boston arc

E Line	5.3	48.3
cf	5.9	47.7
1/4	6.0	47.6
c	6.2	47.4
1/4	6.6	47.0
cf	6.8	46.8
W Line	6.9	46.7

200' SO of Bostomare

53.63

W Line	8.3	45.3
of	7.7	45.9
¼	7.4	46.2
C	7.1	46.5
¼	7.1	46.5
of	6.8	46.8
E Line	6.2	47.4

225' SO of Bostomare

E Line	7.6	46.0
of	7.9	45.7
¼	8.1	45.5
C	8.3	45.3
¼	8.4	45.2
of	8.9	45.7
W Line	9.4	44.2

250' SO of Bostomare

53.63

W Line	10.1	43.5
of	9.7	43.9
¼	9.5	44.1
C	9.2	44.4
¼	9.2	44.4
of	8.8	44.8
E Line	8.3	44.3

275' SO. of Bostomare

E Line	9.3	44.3
of	9.7	43.9
¼	9.7	43.9
C	10.2	43.4
¼	10.3	43.3
of	10.6	43.0
W Line	10.9	42.7

300' So. of Boston No. Prop Line of Main St

			53.63		
W. Line				11.5	42.1
cb				11.1	42.5
1/4				11.2	42.4
c				10.8	42.8
1/4				10.3	43.3
cb				10.3	43.3
E Line				10.3	43.3
8/5 '04 on Hut				Ward Rennie Curwell	
T.P.	N.E. Car Boston	0.78	44.13	10.28	43.35

No. Curb of Mains

E Line				1.2	42.9
cb				1.5	42.6
1/4				1.2	42.9
c				1.7	42.4
1/4				2.2	41.9

cb			44.13	2.1	42.0
W Line				2.2	41.9

No. 1/4 of Main St.

W Line				2.7	41.4
cb				2.7	41.4
1/4				2.3	41.8
c				2.1	42.0
1/4				1.9	42.2
cb				1.9	42.2
E Line				1.7	42.4

Center of Main St.

E Line				2.1	42.0
cb				2.3	41.8
1/4				2.3	41.8
c				2.5	41.6
1/4				2.6	41.5

℄	44.13	3.1	41.0
W Line		3.2	40.9
So ¼ of Main St.			
W Line		3.8	40.3
℄		3.8	40.3
¼		3.3	40.8
C		3.2	40.9
¼		3.1	41.0
℄		2.9	41.2
E Line		2.5	41.6
So. Curb of Main St.			
E Line		2.9	41.2
℄		3.1	41.0
¼		3.7	40.4
C		3.7	40.4
¼	44.13	4.1	40.0
℄		4.3	39.8
W Line		4.3	39.8
So. Prop line of Main St.			
W Line		4.9	39.2
℄		4.9	39.2
¼		4.7	39.4
C		4.5	39.6
¼		4.0	40.1
℄		3.7	40.4
E Line		3.4	40.7
25' So. of Main St.			
E Line		4.3	39.8
℄		4.3	39.8
¼		4.8	39.3

C	44.13	5.6	38.5
¼		6.0	38.1
Cf		6.1	38.0
WLine		6.1	38.0
50' So. of Main St.			
WLine		7.5	36.6
Cf		7.3	36.8
¼		7.0	37.1
C		6.4	37.7
¼		5.6	38.5
Cf		5.1	39.0
ELine		4.7	39.4

75' So. of Main St.

44.13

ELine	5.8	38.3
Cf	6.0	38.1
¼	6.2	37.9
C	7.0	37.1
¼	7.8	36.3
Cf	8.6	35.5
WLine	9.0	35.1
100' So. of Main St.		
WLine	10.7	33.4
Cf	10.5	33.6
¼	9.6	34.5
C	8.4	35.7
¼	7.4	36.7
Cf	6.6	37.5
ELine	6.2	37.9

125' So. of Main St.

44.13

E Line		6.7	37.4
ct		7.2	36.9
¼		8.6	35.5
c		10.1	34.0
¼		11.4	32.7
ct		12.1	32.0
W Line		12.5	31.6

140' So of Main St.

W Line		13.5	30.6
ct		13.0	31.1
¼		12.1	32.0
c		10.4	33.7
¼		8.6	35.5
ct		7.7	36.4
E Line		7.2	36.9

160' So of Main St.

44.13

E Line			7.4	36.7
ct			7.8	36.3
¼			9.4	34.7
c			11.3	32.8
¼			13.0	31.1
T.P.	on pcy on line	4.42 36.19	12.36	31.77
ct			6.3	29.9
W Line			6.6	29.6

175' So. of Main St.

W Line		7.6	28.6
ct		7.4	28.8
¼		5.9	30.3
c		4.0	32.2
¼		2.3	32.9
ct		0.8	35.4
E Line		0.1	36.1

200' So. of Main St.

3.6.19

E Line		3.3	32.9
ct		3.6	32.6
¼		4.5	31.7
c		5.7	30.5
¼		7.5	28.7
ct		9.6	26.6
W Line		9.9	26.3

225' So. of Main St.

W Line		12.2	24.0
ct		11.4	24.8
¼		9.5	26.7
c		8.4	27.8
¼		7.3	28.9
ct		6.7	29.5
E Line		5.7	30.5

250' So. of Main St.

3.6.19

E Line			8.1	28.1
ct			9.8	26.4
¼			10.9	25.3
c			11.8	24.4
¼			12.7	23.5
T.P.	on Peg off line	3.995	27.530	12.65 23.535
ct			4.8	22.7
W Line			5.3	22.2

275' So. of Main St.

W Line		7.7	19.8
ct		7.3	20.2
¼		6.4	21.1
c		3.9	23.6
¼		1.9	25.6
ct		0.9	26.6

E Line			27.53	0.2	27.3

300 So. of Main St

No. Prop Line of Colton arc

E Line				1.8	25.7
cb				2.7	24.8
1/4				3.5	24.0
c				4.8	22.7
1/4				8.0	19.5
cb				9.6	17.9
W Line				9.7	17.8

No. Curb of Colton arc

W Line				10.7	16.8
cb				10.9	16.6
1/4				9.5	18.0
c				7.8	19.7
1/4				6.2	21.3

cb			27.53	4.8	22.7
E Line				3.2	24.3

No 1/4 of Colton arc

E Line				4.4	23.1
cb				6.3	21.2
1/4				8.2	19.3
c				9.5	18.0
1/4				10.4	17.1
cb				12.1	15.4
W Line				11.6	15.9

Center of Colton arc

W Line				12.5	15.0
cb				12.9	14.6
1/4				12.9	14.6
c				11.7	15.8

¼			27.53	9.5	18.0
℄				7.4	20.1
E Line				5.8	21.7
		So ½ of Coltonave			
E Line				6.3	21.2
℄				8.5	19.0
¼				10.5	17.0
C				12.5	15.0
T.P.	on Pog on Line		9.72 24.59	12.66	14.87
¼				10.8	13.8
℄				10.8	13.8
W Line				10.4	14.2
		So. Curb of Coltonave			
W Line				11.5	13.1
℄				12.0	12.6

¼			24.59	11.4	13.2
C				9.9	14.7
¼				8.3	16.3
℄				6.1	18.5
E Line				3.0	21.6
		So. Pro Line of Coltonave			
E Line				0.7	23.9
℄				3.1	21.5
¼				7.2	17.4
C				10.0	14.6
¼				12.0	12.6
℄				12.7	11.9
W Line				12.7	11.9
T.P	on Hub S.W. cor.		10.65 22.53	12.71	11.88

		25' so. of Colton are			
		22.53			
W Line				12.5	10.0
of				12.4	10.1
¼				9.9	12.6
C				5.8	16.7
¼				1.4	21.1
T.P.	Off Bolt. Meter Box	6.93	25.39	4.07	18.46
of				1.0	24.4
E Line				0.7	24.7
		35' so. of Colton are			
E Line				2.6	22.8
of				1.8	23.6
¼				2.0	23.4
C				6.4	19.0
¼				11.4	14.0
of				14.8	10.6
W Line				25.39	17.0	8.4
		50' so. of Colton are			
E Line				8.5	16.9
of				8.0	17.4
¼				8.0	17.4
C				9.0	16.4
¼				12.2	13.2
T.P.	Off Rock on E Line	1.51	14.15	12.85	1.30
of				5.0	9.2
W Line				8.3	5.7
		75' so. of Colton are			
W Line				13.0	1.2
of				12.0	2.2
¼				11.5	2.7
C				10.6	3.6

1/4			14.15	9.3	4.9
cb				9.5	4.7
E Line				9.4	4.8
T.P	on Deg on Line	2.50	4.24	12.41	1.74
		100' So. of Colton ave			
E Line				6.6	-2.4
cb				6.6	-2.4
1/4				6.4	-2.2
c				6.6	-2.4
1/4				6.7	-2.5
cb				6.8	-2.6
W Line				6.6	-2.4
		125' So. of Colton ave			
W Line				7.9	-3.7
cb				8.1	-3.9
1/4				7.5	-3.3

c			4.24	8.1	-3.9
1/4				8.0	-3.8
cb				7.8	-3.6
E Line				8.0	-3.8
No. Line alley		140' So. of Colton ave			
E Line				8.0	-3.8
cb				8.0	-3.8
1/4				8.1	-3.9
c				8.2	-4.0
1/4				7.6	-3.4
cb				8.0	-3.8
W Line				8.1	-3.9
		160' So. of Colton ave			
W Line				8.2	-4.0
cb				8.0	-3.8

¼	4:24	8.0	-3.8
c		8.1	-3.9
¼		8.2	-4.0
cf		8.4	-4.2
ELine		8.3	-4.1

175' So. of Coltomare

ELine		8.6	-4.4
cf		8.3	-4.1
¼		8.2	-4.0
c		8.3	-4.1
¼		8.1	-3.9
cf		7.8	-3.6
WLine		8.2	-4.0

200' So. of Coltomare

	4:24		
WLine		8.3	-4.1
cf		8.3	-4.1
¼		9.7	-5.5
c		10.0	-5.8
¼		8.8	-4.6
cf		9.9	-5.7
+10		10.4	-6.2
ELine		8.6	-4.4

225 So. of Coltomare

ELine		10.3	-6.1
cf		9.0	-4.8
¼		8.5	-4.3
+88		9.0	-4.8
c		10.7	-6.5
¼		9.2	-5.0

cb		4.24	8.7	-4.5
WLine			8.2	-4.0

250' So. of Colton ave

WLine			8.8	-4.6
cb			9.1	-4.9
1/4			10.6	-6.4
+35			10.5	-6.3
+37			8.2	-4.0
c			8.5	-4.3
1/4			8.4	-4.2
cb			8.7	-4.5
ELine			9.8	-5.6

275' So. of Colton ave

ELine			9.1	-4.9
cb			8.6	-4.4

1/4		4.24	8.1	-3.9
c			7.9	-3.7
1/4			7.9	-3.7
cb			8.0	-3.8
WLine			8.0	-3.8

No. Prop Line Bay ave

WLine			7.9	-3.7
cb			7.3	-3.1
1/4			7.9	-3.7
c			8.0	-3.8
1/4			8.8	-4.6
cb			8.9	-4.7
ELine			8.8	-4.6

No. Curb of Bay ave

ELine			8.8	-4.6

cb	4.24	8.8	-4.6
¼		9.0	-4.8
c		8.2	-4.0
¼		7.3	-3.1
cb		7.6	-3.4
W Line		7.9	-3.7

No ¼ of Bay arc

W Line		7.9	-3.7
cb		7.7	-3.5
¼		7.3	-3.1
c		8.1	-3.9
¼		8.3	-4.1
cb		8.8	-4.6
E Line		9.2	-5.0

Center of Bay arc

4.24

E Line		10.2	-6.0
cb		10.2	-6.0
¼		8.1	-3.9
c		7.3	-3.1
¼		7.4	-3.2
cb		7.8	-3.6
W Line		7.8	-3.6

So. ¼ of Bay arc

W Line		8.0	-3.8
cb		7.7	-3.5
¼		7.7	-3.5
c		7.3	-3.1
¼		7.4	-3.2
cb		8.2	-4.0
+05		8.4	-4.2

TOB	4.24	10.2	-6.0
E Line		10.2	-6.0

So. Curb of Bay Ave

E Line		10.6	-6.4
℄		8.6	-4.4
¼		8.3	-4.1
℄		7.3	-3.1
¼		7.8	-3.6
℄		7.8	-3.6
W Line		8.0	-3.8

So. Prop. Line of Bay Ave

W Line		7.9	-3.7
℄		8.0	-3.8
¼		7.7	-3.5
℄		7.6	-3.4

¼	4.24	7.4	-3.2
℄		8.4	-4.2
E Line		8.5	-4.3
T.P. on Hub ℄ of Bay		7.68	~~-6.56~~

E11a. 9/29/14 Hutchison

14.1

228.38

50' No of Amherst St. = 250 m

East Line	6,0	222.4
Ct	6.0	222.4
1/4	6,2	222.2
Ct.	6.4	222.0
1/4	6,6	221.8
Ct.	6,8	221.6
W Line	6.8	221.6

70' No of Amherst, 230

W.L.	6.9	221.5
Cb.	6.9	221.5
1/4	6.7	221.7
Ct	6,6	221.8
1/4	6.5	221.9
Cb.	6.3	222.1
East Line	6.2	222.2

210 - 90' No of Amherst.

East L.	228.38	6,4	222.0
Cb		6,5	221.9
1/4		6.5	221.9
Ct.		6,7	221.7
1/4		6,2	222.2
Ct.		6,2	222.2
W.L.		7.0	221.4

190 110' No of Amherst

West L	6,6	221.8
Cb.	5,5	222.9
1/4	5,4	223.0
Ct	6,1	222.3
1/4	5,9	222.5
Cb.	5.7	222.7
East L.	6.0	222.4

17'	130' No of Amherst.			
East L.			5,3	223.1
Ct.			5,4	223.0
½			5,9	222.5
Ct.			6.0	222.4
½			6,0	222.4
Ct.			6,0	222.4
W. L.			6,2	222.2
150	150' No of Amherst.			
W. L.			5.5	222.9
Ct.			5,4	223.0
½			5,2	223.2
Ct.			5,0	223.4
½			5,2	223.2
Ct.			4,7	223.7
East L.			4.7	223.7

130'	170' No of Amherst			
East L.		228.38	4,0	224.4
Ct.			4,0	224.4
½			4,1	224.3
Ct.			4,3	224.1
½			4,3	224.1
Ct.			4,3	224.1
W. L.			4,3	224.1
110	190' No of Amherst			
W. L.			3.2	225.2
Ct.			3,1	225.3
½			3,1	225.3
Ct.			3,2	225.2
½			3,2	225.2
Ct.			3,1	225.3
East L.			3,1	225.3

E 110 St.

90 210' No of Amherst.

East L.	228.38	1.7	226.7
Ct.		1.5	226.9
1/4		1.7	226.7
Ct.		1.7	226.7
1/4		1.4	227.0
Ct.		1.6	226.8
W.L.		1.5	226.9
	10.44 237.94	0.88	227.50

70 230' No of Amherst.

W.L.	9.4	228.5
Ct.	9.4	228.5
1/4	9.5	228.4
Ct.	9.3	228.6
1/4	9.5	228.4
Ct.	9.5	228.4
East Line	9.5	228.4

9/29/10 { Hutchison / Evans

50 250' No of Amherst

East L	7.2	230.7
Ct.	7.1	230.8
1/4	7.2	230.7
Ct.	7.2	230.7
1/4	7.2	230.7
Ct.	7.0	230.9
West Line	6.9	231.0

Dartsmouth.

	9.43	234.19		224.76	
B.M.			0.97	233.22	S.W. Cor. Forn & Dartsm Spk in Pole
West Line of Fern st.					
So Line			1.5	232.7	
Cb			1.7		232.5
1/4			1.9		232.3
Ct			2.1		232.1
1/4			2.1		232.1
Cb.			2.2		232.0
No Line			2.2	232.0	
25' West of Fern.					
No Line			2.8		231.4
Cb			2.5		231.7
1/4			2.7		231.5
Ct.			2.7		231.5
1/4			2.5		231.7
Cb.			2.3		231.9
So Line			2.1		232.1

9/29/04 Hutchison, Tomana, Evans

50' West of Fern					
So L.		234.19	2.7	231.5	
Cb			2.9		231.3
1/4			3.0		231.2
Ct			3.4		230.8
1/4			3.5		230.7
Cb			3.3		230.9
No Line			3.5	230.7	230.7
75' W of Fern					
No Line			4.4		229.8
Cb			4.3		229.9
1/4			4.5		229.7
Ct			4.3		229.9
1/4			4.0		330.2
Cb			3.7		330.5
So L.			3.4		330.8

100' West of Firm

D Inv	234.19	4.3	229.9	
Cb		4.8		229.4
½		5.2		229.0
Ct		5.4		228.8
½		5.7		228.5
Cb		5.5		228.7
M. I.		5.6	228.6	228.6

125' W of Firm

M° Inv		7.2		227.0
Cb		7.3		226.9
½		7.1		227.1
Ct.		6.7		227.5
½		6.4		227.8
Cb.		6.1		228.1
D. I.		5.5		228.7

150' W of Firm

Do. I.	234.19	7.0	227.2	
"		7.6		226.6
½		8.0		226.2
Ct.		8.3		225.9
½		8.6		225.6
—		8.6		225.6
M° I.		9.0	225.2	

175' W of Firm

M° I.		10.2	224.0
—		10.2	224.0
½		10.1	224.1
Ct.		9.8	224.4
½		9.4	224.8
—		8.9	225.3
Do. I.		8.3	225.9

Dartmouth

East Line of Ella.

Ab Line	234.19	9.6	224.6	
—		9.9		224.3
½		10.5		223.7
Ct.		10.9		223.3
½		11.1		223.1
—		11.2		223.0
M°Line		11.3	222.9	

West Line of Ella.

M°Line		14.0	220.2	
Cb.		14.0		220.2
¼		13.6		220.6
Ct.		13.0		221.2
¼		12.6		221.6
Cb.		11.7		222.5
Ab L.		11.0	223.2	
	0.76	223.99	10.96	223.23

25' West of Ella.

M:L.	223.99	1.8		222.2
Ct		2.6		221.4
½		3.2		220.8
Ct		3.8		220.2
¼		3.9		220.1
—		4.4		219.6
M°L.		4.4		219.6

50' W of Ella.

M:L.		5.1	218.9	
—		5.2		218.8
½		4.8		219.2
Ct.		4.5		219.5
½		4.2		219.8
—		3.7		220.3
Ab L.		1.8	221.2	221.2

Dartmouth

75' West of Ella.

Bo L.	223.99	4.2	219.8
—		4.9	219.1
½		5.2	218.8
Ct		5.4	218.6
½		5.3	218.7
—		5.5	218.5
M° Line		5.9	218.1

100' W of Ella

M° L.		6.3	217.7
—		6.4	217.6
½		6.3	217.7
Ct.		6.2	217.8
½		6.0	218.0
—		5.6	218.4
Bo Line		5.7	218.8

125' W of Ella.

Bo Line	223.99	5.6	218.4
—		6.0	218.0
½		6.2	217.8
Ct.		6.5	217.5
½		6.7	217.3
—		7.0	217.0
M° Line		6.9	217.1

150' W of Ella.

M° Line		7.5	216.5
—		7.3	216.7
½		7.1	216.9
Ct.		6.6	217.4
½		6.3	217.7
—		6.2	217.8
Bo L.		5.9	218.1	218.1

175' W of Ella

Do L.	218.99	6,3	217.7
-		6,6	217.3
1/4		6,7	217.3
Ct.		6,7	217.3
1/4		7,0	217.0
-		7,1	216.9
No Line		7,3	216.7

(200) East Line of Dale

No Line		7,7	216.3
-		7,2	216.8
1/4		7,0	217.0
Ct.		7,1	216.9
1/4		7,0	217.0
-		7,1	216.9
Do Line		6,5	217.5

East Curb Line of Dale

Do Line	7,2	216.8
-	7,4	216.6
1/4	7,3	216.7
Ct.	6,9	217.1
1/4	6,9	217.1
-	7,4	216.6
No Line	8,0	216.0

East 1/4 Line of Dale

No L.	8,1	215.9
-	7,5	216.5
1/4	7,2	216.8
Ct.	7,1	216.9
1/4	7,2	216.8
-	7,5	216.5
Do Line	7,5	216.5

Center Line of Dale

Do Line	223.99	7.7	216.3
—		7.7	216.3
½		7.5	216.5
Ct.		7.3	216.7
½		7.4	216.6
—		7.8	216.2
No Line		8.3	215.7

West ½ Line of Dale

No Line		8.6	215.4
—		8.0	216.0
½		7.6	216.3
Ct.		7.6	216.4
½		7.7	216.3
—		7.9	216.1
Do Line		7.9	216.1

West Curb Line of Dale

Do Line	223.99	8.7	215.8
—		8.7	215.8
½		8.0	216.0
Ct.		7.9	216.1
½		8.1	215.9
—		8.4	215.6
No Line		8.9	215.1

West Line of Dale

No Line		9.3	214.7	214.7
—		8.8		215.2
½		8.6		215.4
Ct.		8.4		215.6
½		8.4		215.6
—		8.4		215.6
Do Line		8.4	215.6	
	0.21	215.41	8.59	215.10

25' West of Dale

Do L.	215.41	0.7		214.7
–		0.9		214.5
½		0.7		214.7
Ct.		0.8		214.6
½		0.9		214.5
–		1.0		213.9
M. L.		2.0		213.4

50' West of Dale

M. L.		2.4	212.0	212.0
–		2.4		212.0
½		2.0		212.4
Ct.		2.8		212.6
½		2.6		212.8
–		2.7		212.7
Do Lm		1.1	213.2	

75' West of Dale

Do Lm	215.41	4.1		211.3
–		4.5		210.9
½		4.8		210.6
Ct.		4.7		210.7
½		4.7		210.7
–		4.8		210.6
M. L.		5.0		210.4

100' West of Dale

M. Lm		5.2	210.2	
–		5.7		209.7
½		6.0		209.4
Ct.		6.2		209.2
½		6.2		209.2
–		5.9		209.5
Do Lm		5.5	209.9	209.9

125' West of Oak

So. Line	215.41	7.3		208.1
—		7.0		208.4
1/4		6.4		209.0
Ct.		5.7		209.7
1/4		5.5		209.9
—		5.2		210.2
No. Line		4.9		210.5

150' West of Oak

No. Line		5.5	209.9	
—		5.6		209.8
1/4		5.9		209.5
Ct.		6.0		209.4
1/4		6.2		209.2
—		6.9		208.5
So. L.		7.8	207.6	207.6

175' West of Oak

So L.	215.41	8.8		206.6
—		7.9		207.5
1/4		7.0		208.4
Ct.		6.8		208.6
1/4		6.6		208.8
—		6.7		208.7
No Line		6.9		208.5

(200) East Line of 29th

No Line		8.0	207.4	
—		7.9		207.5
1/4		7.8		207.6
Ct.		7.6		207.8
1/4		7.6		207.8
—		7.9		207.5
So Line		9.0	206.4	206.4
B.M.		8.94	206.47	
Stake S.E. Cor 29th				

East curb line 29th

Do Ln	215.41	8,4	207.0
—		8.2	207.2
½		7.9	207.5
Ct.		8,2	207.2
½		8,4	207.0
—		8,3	207.1
No Ln		8,6	207.8

East ½ Ln 29th

No Ln.		9,5	205.9
—		9,2	206.2
½		9.0	206.4
Ct.		8,7	206.7
½		8,5	206.9
—		8,7	206.7
Do Ln		8,8	206.6

Center line of 29th

Do Ln	215.41	9,4	206.0
—		9,4	206.0
½		9,4	206.0
Ct.		9,6	205.8
½		9,6	205.8
—		9,8	205.6
No Ln		10,1	205.3

West ½ Ln

No Ln		10,7	204.7
—		10,4	205.0
½		10,2	205.2
Ct.		10,2	205.2
½		10,2	205.2
—		10,0	205.4
Do Ln		10.0	205.4

Dartmouth 9/29/04.

West Curb line of 29th St.

Re Line	218.41	10.8	204.6
—		10.7	204.7
¼		10.8	204.6
Ct.		10.7	204.7
½		10.7	204.7
—		10.9	204.5
Mc Line		11.7	203.7

West Line of 29th St.

Mc Line		12.5	202.9
—		11.4	204.0
¼		11.2	204.2
Ct.		11.2	204.2
½		11.1	204.3
—		11.3	204.1
Re Line		11.4	204.0

25' West of 29th St.

	1.97	208.44	206.47
Re Line		6.7	201.7
—		5.7	202.7
½		5.6	202.8
Ct.		5.6	202.8
½		5.5	202.9
—		6.0	202.0
Mc Line		7.3	201.1

50' W of 29th St.

M. L.		9.9	198.5
—		9.1	199.3
½		9.0	199.4
Ct.		9.0	199.4
½		9.0	199.4
—		9.4	199.0
Re L.		10.5	197.9

75' West of 29th

So Line	208.44	13.0	195.4
—		12.3	196.1
¼		11.7	196.7
Ct.		11.5	196.9
¼		11.6	196.8
—		11.3	197.1
No Line		11.0	197.4

90' West of 29th

So Line		12.3	196.1
—		12.0	196.4
¼		11.6	196.8
Ct.		11.4	197.0
¼		11.2	197.2
—		10.8	197.6
No Line		9.7	198.7

100' W of 29th

No Line	208.44	7.1	201.3
—		8.0	200.4
¼		8.7	199.7
Ct.		9.5	198.9
¼		10.5	197.9
—		11.2	197.2
8' No of So Line		10.7	197.7
So Line		9.4	199.0

110' W of 29th

So Line		7.3	201.1
—		8.4	200.0
¼		8.2	200.2
Ct.		7.5	200.9
¼		7.2	201.2
—		7.3	201.1
No Line		6.3	202.1

125' W of 29th

M° Line	208.44	4.8		203.6
—		5.8		202.6
¼		5.9		202.5
Ct.		6.1		202.3
¼		6.4		202.0
—		6.2		202.2
Re. L.		5.1		203.3

155' W of 29th

Re L.		2.7	205.7	205.7
—		3.0		205.4
¼		3.8		204.6
Ct.		4.2		204.2
¼		4.2		204.2
—		4.1		204.3
M°. L.		3.5	205.7	205.2

175' W of 29th

M. L.	208.44	2.6		206.8
—		2.8		206.6
¼		2.4		206.0
Ct.		2.2		206.2
¼		1.7		206.7
—		1.4		207.0
Re Line		1.4		207.0

(200) East Line of Bean St.

Re. L.		0.0	208.5	
—		0.3		208.1
¼		0.6		207.8
Ct.		0.9		207.5
¼		1.0		207.4
—		1.5		206.9
M. L.		1.4	207.0	
	7.8 4	215.54	0.7 4	207.70

East Curb Line of Beam			
N° Line	215.54	7.8	207.7
–		7.6	207.9
½		7.5	208.1
Ct.		7.1	208.4
½		6.9	208.6
–		6.7	208.8
So Line		6.6	208.9
East ½ Line of Beam			
So. L.		6.0	209.5
–		6.2	209.3
½		6.4	209.1
Ct.		6.7	208.8
½		6.8	208.7
–		7.3	208.2
N. L.		7.3	208.2

Center of Beam			
N. L.	215.54	6.6	208.9
–		6.9	208.6
½		6.6	208.9
Ct.		6.3	209.2
½		6.1	209.4
–		5.9	209.6
So. L.		5.5	210.0
West ½ of Beam			
So. L.		5.4	210.1
–		5.7	209.8
½		5.7	209.8
Ct.		5.8	209.7
½		6.2	209.3
–		6.5	209.0
N. L.		6.3	209.2

West Curb of Bean

No. L.	215.54	6.3		209.2
–		6,2		209.3
1/4		6,1		209.4
Ct.		5,8		209.7
1/4		5,6		209.9
–		5.5		210.0
So Line		5,2		210.3

West Line of Bean

So Line		4.8	210.7	210.7
–		5,0		210.5
1/4		5.2		210.3
Ct.		5,4		210.1
1/4		5,5		210.0
–		5,6		209.9
No Line		5.5	210.0	
B.M.		4.42	211.12	

Spk in Fence Post 20' No. of N.W. Cor of Bean & Dartmouth

25' West of Bean

No Line	215.54	4.5		211.0
–		4.8		210.7
1/4		4,8		210.7
Ct.		4.9		210.6
1/4		4.8		210.7
–		4.8		210.7
So Line		4.6		210.9

50' W. of Bean

S. L.		4.3	211.2	
–		4,3		211.2
1/4		4,2		211.3
Ct.		4,1		211.4
1/4		4,2		211.3
–		4,0		211.5
No. L.		3.7	211.8	

Dartmouth

75' West of Base

M. of L.	215.54	3.2		212.3
–		3.3		212.2
1/4		3.3		212.2
Ct.		3.7		211.8
1/4		3.3		212.2
–		3.6		211.9
S. of L.		3.6		211.9

100 West of Base

S. of L.		2.9	212.6	
–		2.8		212.7
1/4		2.7		212.8
Ct.		2.6		212.9
1/4		2.6		212.9
–		2.6		212.9
N. of Line		2.6	212.9	

Dartmouth

125' West of Base

M. of L.	215.54	1.2		214.3
–		1.2		214.3
1/4		1.4		214.1
Ct.		1.3		214.2
1/4		1.3		214.2
–		1.2		214.3
S. of Line		1.3		214.2
	8.35	222.48	1.41	214.13

150' West of Base

S. of Line		6.3	216.2 ~~209.2~~	
–		6.2		216.3
1/4		6.2		216.3
Ct.		6.4		216.1
1/4		6.3		216.2
–		6.3		216.2
N. of Line		6.4	216.1 ~~209.1~~	

Dartmouth 9/30/04 { Hutchison, Evans, Torrance

175' West of Bean

No Line	222.48	4.8		217.7
—		4.7		217.8
1/4		4.8		217.7
Ct.		4.7		217.8
1/4		4.7		217.8
—		4.7		217.8
So. L.		4.6		217.9
(200) East Line of 28th				
So. Ln		4.5	218.0	
—		4.4		218.1
1/4		4.1		218.4
Ct.		4.2		218.3
1/4		4.1		218.4
—		4.0		218.5
No Line		3.9	218.6	
B.M.		3.13	219.35	

Spk in Fence Post 20' N. of N.E. Cor. 28th & Dartmouth

28th Street

E 30/04 { Hutchison, Torrance, Evans

No Line of Dartmouth

W. L.	—	222.48	5.8	216.7
Ct.			5.4	217.1
1/4			5.2	217.3
Ct.			5.0	217.5
1/4			4.5	218.0
Ct.			4.2	218.3
East L.			3.9	218.6

No Curb Line Dartmouth

E. L.			4.0	218.5
Ct.			4.2	218.3
1/4			4.4	218.1
Ct			4.8	217.7
1/4			5.0	217.5
Ct.			5.2	217.3
W. L.			5.3	217.2

Note. So. Line of Dartmouth 82'
So " " Harvard 81
Park Line 80.15
} Width of 28th

No 1/4 of Dartmouth

W. L.		222.48	5.0	217.5
Ct			5.0	217.5
1/4			4.8	217.7
Ct.			4.6	217.9
1/4			4.4	218.1
Ct.			4.3	218.2
East L.			4.1	218.4

Center of Dartmouth

E. L.			4.2	218.3
—			4.3	218.2
1/4			4.4	218.1
Ct.			4.4	218.1
1/4			4.7	217.8
—			4.8	217.7
W. L.			4.9	217.6

So ½ of Dartmouth

W. L.	22248	5,1	217.4
—		4,9	217.6
½		4,7	217.8
Ct		4,3	218.2
½		4,3	218.2
—		4,4	218.1
E. L.		4,2	218.3

So Cent Line of Dartmouth

E. L.	4,4	218.1
—	4,5	218.0
½	4,4	218.1
Ct.	4,7	218.8
½	4,9	217.6
—	5,1	217.4
W. L.	5,3	217.2

So Line of Dartmouth

W. L.	5,5	217.0
—	5,4	217.1
½	5,1	217.4
Ct.	4,9	217.6
½	4,7	217.8
—	4,7	217.8
E. L.	4,5	218.0

25' So of Dartmouth

East L.	4,7	217.8
—	4,8	217.7
½	4,8	217.7
Ct.	5,0	217.5
½	5,2	217.1
—	5,8	216.7
W. L.	5.9	216.6

50' So of Dartmouth

W.L.	22.48	6.2	216.3
—		6.0	216.5
1/4		5.6	216.9
Ct.		5.3	217.2
1/2		5.3	217.2
—		5.2	217.3
East L.		4.9	217.6

75' So of

E L		5.3	217.2
—		5.6	216.9
1/2		5.5	217.0
Ct.		5.7	216.9
1/2		6.0	216.5
—		6.2	216.3
W.L.		6.4	216.1

100' So of Dartmouth

W.L.		6.1	216.4
—		6.0	216.5
1/2		6.2	216.3
Ct.		6.1	216.4
1/2		5.9	216.6
—		5.7	216.8
E.L.		5.5	217.0

125' So of

E L.		5.8	216.7
—		6.1	216.4
1/2		6.2	216.3
Ct.		6.3	216.2
1/2		6.5	216.0
—		6.7	215.8
W.L.		6.8	215.7

28th

150' So of

W. L.	222.48	6.9	215.6
—		6.8	215.7
1/4		6.8	215.7
Ct.		6.5	216.0
1/4		6.5	216.0
—		6.4	216.1
East L.		6.0	216.5

175' So of Datum mark

E. L.		6.4	216.1
—		6.8	215.7
1/4		6.9	215.6
Ct.		7.1	215.4
1/4		7.2	215.3
—		7.1	215.4
W. L.		7.3	215.2

(200) 200' So of Datum mark

W. L.	222.48	7.7	214.8
—		7.6	214.9
1/4		7.5	215.0
Ct.		7.4	215.1
1/4		7.3	215.2
—		7.2	215.3
East Lin		6.8	215.7
	3.07	218.12	7.43	215.05

225' So of Datum mark

W. L.		3.9	214.2
—		3.7	214.4
1/4		3.7	214.4
Ct.		3.6	214.5
1/4		3.4	214.7
—		3.4	214.7
East L.		3.0	215.1

250' Sta of Dat

E.L.	218.12	3.5	214.6
–		3,9	214.2
½		4,0	214.1
Ct.		4,2	213.9
½		4,4	213.7
–		4,6	213.5
W.L.		4,5	213.6

275 Sta of.

W.L.		5,7	212.4
–		5,5	212.6
½		5,2	212.9
Ct.		5,0	213.1
½		4,7	213.4
–		4,5	213.6
E.L.		4,2	213.9

(300) Mc Line as Harvard

East L.	4,7	213.4
–	5,1	213.0
½	5,8	212.8
Ct	5,6	212.5
½	6,0	212.1
–	6,2	211.9
W.L.	6,3	211.8

Mc Curb Line as Harvard

W.L.	6,4	211.5
–	6,4	211.7
½	6,0	212.1
Ct.	6,0	211.5
½	5,7	212.4
–	5,4	212.7
East L.	5,0	213.1

No 1/4 Line of Harvard

East L.	21812	5,2	212.9
—		5,6	212.5
1/4		5,9	212.2
Ct.		6,2	211.9
1/4		6,4	211.7
—		6,8	211.3
W. L.		7,0	211.1

Center Line of Harvard

W. L.		7,3	210.8
—		6,9	211.2
1/4		6,5	211.6
Ct.		6,4	211.7
1/4		6,0	212.1
—		5,8	212.3
E. L.		5,3	212.8

So 1/4 of H.

East L.		5,2	212.9
—		5,8	212.3
1/4		6,2	211.9
Ct.		6,4	211.7
1/4		6,7	211.4
—		7,0	211.1
W. L.		7,4	210.7

So Curb of Harv.

W. L.		7,5	210.6
—		7,0	211.1
1/4		6,9	211.2
Ct.		6,4	211.7
1/4		6,1	212.0
—		5,9	212.2
E. L.		5,4	212.7

So Line of Hartford

East L.	218.12	5.3	212.8
—		5.7	212.4
1/4		6.0	212.1
Ct.		6.4	211.7
1/4		6.7	211.4
—		7.1	211.0
W. L.		7.5	210.6

25' So of Harvard

W. L.		7.0	211.1
—		6.6	211.5
1/4		6.2	211.9
Ct.		5.9	212.2
1/4		5.7	212.4
—		5.4	212.7
East L.		5.1	213.0

50' So of Harv.

East L		4.6	213.5
—		5.0	213.1
1/4		5.1	213.0
Ct.		5.4	212.7
1/4		5.6	212.5
—		6.1	212.0
West L.		6.5	211.6

75' So of H.

W L		6.2	211.9
—		5.3	212.8
1/4		5.0	213.1
Ct.		4.8	213.3
1/4		4.6	213.5
—		4.4	213.7
East L.		4.0	214.1

100' So of Hw

East L	218.12	3.6	214.5
–		4.0	214.1
¼		4.2	2139
Ct.		4.6	2135
¼		4.9	213.2
–		5.3	2128
W.L.		5.8	212.3

125' Soo

W L.		5.6	212.5
–		5.1	2130
¼		4.5	2136
Ct.		4.2	2139
¼		3.9	214.2
–		3.7	214.4
E.L.		3.4	214.7

150' Soo Harvard

East L.	3.4	214.7
–	3.7	2144
¼	3.7	2144
Ct.	4.0	214.1
¼	4.4	213.7
–	4.8	213.3
W.L.	5.4	212.7

175' So of Hw

W L.	5.3	212.8
–	4.8	213.3
Hw	4.3	213.8
Ct.	4.1	214.0
¼	4.1	214.0
–	4.0	214.1
E.L.	3.8	214.3

	200' So of Harv.				
East L.		218.12	4.5		213.6
—			4.6		213.5
1/4			4.4		213.7
Ct.			4.4		213.7
1/4			4.6		213.5
—			4.8		213.3
W. L.			5.3		212.8
	225' So of Harvard				
W. L.			5.7		212.4
—			5.2		212.9
1/4			4.8		213.3
Ct.			4.6		213.5
1/4			4.9		213.2
—			5.2		212.9
East L.			5.2		212.9
	1.21	213.56	5.77	212.35	

	250' So of Harvard				
East Line		213.56	1.0		212.6
—			1.2		212.4
1/4			0.8		212.8
Ct.			0.8		212.8
1/4			0.9		212.7
—			1.1		212.5
W. L.			1.9		211.7
	275' So of H				
W. L.			2.4		211.2
—			1.9		211.7
1/4			1.6		212.0
Ct.			1.4		212.2
1/4			1.5		212.1
—			1.9		211.7
E. L.			1.5		212.1

300' So of Howard So Line of So Park.

East L.	213.56	2,5	211.1
—		2,4	211.2
1/4		2,2	211.4
Ct.		2,2	211.4
1/4		2,3	211.3
—		2,4	211.2
W. L.		2,6	211.0
B.m.		2.25	211.31

on P.L. Cor. stone

100' No of "A" = Park Line. (300' So of Howard)

28th St. is 100' wide from "B" to Park Line

So L.	2,6	211.0
Ct.	2,4	211.2
1/4	2.2	211.4
Ct.	2,2	211.4
1/4	2.7	210.9
—	2.4	211.2
East Line	2.0	211.6

75' No of A

E. L.	213.56	3,0	210.6
—		3,3	210.3
1/4		3,3	210.3
Ct.		2,9	210.7
1/4		3,0	210.6
—		3,1	210.5
W. L.		3,6	210.0

~~100~~ 65' No of "A"

W. L.	4,4	209.2
—	4,0	209.6
1/4	3,8	209.8
Ct.	3,8	209.8
1/4	4,2	209.4
—	4,4	209.2
East L	3.9	209.7

25' No of "A"

W.L.	213.56	4.6	209.0
–		4.7	208.9
1/4		4.9	208.7
Ct		4.8	208.8
1/4		4.6	209.0
–		4.7	208.9
W.L.		5.3	208.3

No 11 Line of "A"

W.L.		6.2	207.4
–		5.6	208.0
1/4		5.4	208.2
Ct.		5.9	207.7
1/4		5.7	207.9
–		5.3	208.3
East L.		4.7	208.9

No Curb Line of "A"

E.L.		4.8	208.8
–		5.4	208.2
1/4		6.0	207.6
Ct.		6.3	207.3
1/4		6.3	207.3
–		6.3	207.3
W.L.		6.7	206.9

No 1/4 of "A"

W.L.		7.3	206.3
–		6.8	206.8
1/4		6.9	206.7
Ct.		6.7	206.9
1/4		6.1	207.5
–		5.4	208.2
East L.		4.8	208.8

Center Line "A"

E.L.	213.56	4.9	208.7
—		5.7	207.9
1/4		6.3	207.3
Ct.		6.9	206.7
1/4		7.4	206.2
—		7.4	206.2
W.L.		7.7	205.9

S. 1/4 of "A"

W.L.		8.2	205.4
—		7.9	205.7
1/4		7.8	205.8
Ct.		7.3	206.3
1/4		6.5	207.1
—		5.8	207.8
E.L.		5.2	208.4

To Curb Line of A.

E.L.		5.6	208.0
—		6.1	207.5
1/4		6.6	207.0
Ct.		7.4	206.2
1/4		8.2	205.4
—		8.7	204.9
W.L.		9.1	204.5

To Line of "A"

W.L.		9.4	204.2
—		9.1	204.5
1/4		8.5	205.1
Ct.		7.8	205.8
1/4		7.0	206.6
—		6.4	207.2
E.L.		6.1	207.5

25' So of "A"

E.L.	213.56	7.1	206.5
—		7.5	206.1
1/4		8.1	205.5
Ct.		8.6	205.0
1/4		9.1	204.5
—		9.9	203.7
W.L.		10.5	203.1

50' Soof "A"

W.L.		11.5	202.1
—		10.7	202.9
1/4		9.8	203.8
Ct.		9.3	204.3
1/4		8.8	204.8
—		8.4	205.2
East Line		8.3	205.3
	0.11 903.95	9.72	203.84

75' Soof A.

East L.	203.95	0.1	203.8
—		0.2	203.7
1/4		0.6	203.3
Ct.		1.1	202.8
1/4		1.5	202.4
—		2.3	201.6
W.L.		2.9	201.0

100' Soof A

W.L.		4.4	199.5
—		3.9	200.0
1/4		3.3	200.6
Ct.		2.9	201.0
1/4		2.6	201.3
—		2.2	201.7
East L.		1.9	202.0

125' So of A.

E.L.	203.95	3.8	200.1
–		4.4	199.5
1/4		4.7	199.2
Ct.		5.4	198.5
1/4		6.0	197.9
–		6.4	197.5
W.L.		6.6	197.3

140' So of "A"

W.L.		8.4	195.5
–		8.4	195.5
1/4		7.9	196.0
Ct.		7.4	196.5
1/4		6.8	197.1
–		6.1	197.8
E.L.		5.5	198.4

160' So of "A"

East L.		6.7	197.2
–		7.5	196.4
1/4		8.8	195.1
Ct.		9.9	194.0
1/4		10.3	193.6
–		10.7	193.2
W.L.		11.1	192.8

175' So of "A"

W.L.		13.6	190.3
–		13.4	190.5
1/4		12.5	191.4
Ct.		11.3	192.6
1/4		9.7	194.2
–		8.1	195.8
East L.		6.7	197.2

20' Roof "A"

E.L.			
~~W.L.~~	203.95	5.2	198.7
—		6.3	197.6
1/4		7.7	196.2
Ct.		9.8	194.1
1/4		11.4	192.5
—		13.7	190.2
W.L.		16.7	187.2

22½' Roof A

W.L.	14.0	189.9
—	11.5	192.4
1/4	9.3	194.6
Ct.	7.2	196.7
1/4	5.7	198.2
—	4.5	199.4
E.L.	3.4	200.5

25' Roof A.

East L.	2.9	201.0
—	3.8	200.1
1/4	4.7	199.2
Ct.	5.9	198.0
1/4	7.6	196.3
—	9.7	194.2
W.L.	11.6	192.3

27½' Roof "A"

W.L.	10.0	193.9
—	8.4	195.5
1/4	7.0	196.9
Ct.	5.6	198.3
1/4	4.5	199.4
—	3.5	200.4
East Line	2.7	201.2

28th Street 9/30/04 { Hutchison, Torrance, Evans

(300) No Line of "B"

East Line	203.95	3.0		200.9
Curb		3.9		200.0
1/4		4.9		199.0
Ct.		6.2		197.7
1/4		7.1		196.8
Curb		8.6		195.3
West Line		9.6		194.3
		2.94	201.01	
		6.78	197.17	

28th St D'tm'n to No line So Park 10/8/05 { Lewis, Wetmore, Thomas

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		H.I.		
11.0.6		224.48		213.42

No Line Dartmouth

W line			7.8	216.7
Cb			7.5	217.0
1/4			7.2	217.3
C			6.8	217.7
1/4			6.5	218.0
Cb			6.2	218.3
E line			5.9	218.6
		25 No		
E line			5.9	218.6
Cb			5.9	218.6
1/4			6.5	218.0
C			7.2	217.3
1/4			7.6	216.9
Cb			8.1	216.4
W line			8.3	216.2

2 8th 57

22448

50' No Dartmouth

W line	8.2	216.3
Cl	7.6	216.9
¼	7.4	217.1
C	6.8	217.7
¼	6.6	217.9
Cl	6.4	218.1
E line	5.9	218.6

75' No

E line	6.0	218.5
Cl	6.2	218.3
¼	6.4	218.1
C	6.6	217.9
¼	7.0	217.5
Cl	7.2	217.3
W line	7.5	217.0

100' No

W line	7.0	217.5
Cl	6.8	217.7
¼	6.4	218.1
C	6.3	218.2
¼	6.1	218.4
Cl	6.0	218.5
E line	6.0	218.5

125' No

E line	6.1	218.4
Cl	5.8	218.7
¼	6.0	218.5
C	6.1	218.4
¼	6.2	218.3
Cl	6.3	218.2
W line	6.4	218.1

28th St

224.48

150 No Dartmouth

W line	5.9	218.6
Cl	5.9	218.6
½	6.0	218.5
C	5.8	218.7
½	5.9	218.6
Cl	5.6	218.9
E line	6.2	218.3

175 No

E line	6.1	218.4
Cl	5.4	219.1
½	4.9	219.6
C	5.0	219.5
½	4.9	219.6
Cl	5.0	219.5
W line	5.2	219.3

200 'No

W line	4.3	220.2
Cl	4.3	220.2
½	4.0	220.5
C	4.1	220.4
½	4.5	220.0
Cl	4.7	219.8
E line	5.3	219.2

225 No

E line	5.2	219.3
Cl	4.6	219.9
½	4.5	220.0
C	4.3	220.2
½	3.8	220.7
Cl	3.7	220.8
W line	3.9	220.6

2 8th 57

224.48

250 No Dartmouth

W line	3.6	220.9
Cb	3.4	221.1
1/4	3.4	221.1
C	3.8	220.7
1/4	4.2	220.3
Cb	4.6	219.9
E line	5.2	219.3

275 No

E line	5.1	219.4
Cb	4.4	220.1
1/4	4.0	220.5
C	3.7	220.8
1/4	3.3	221.2
Cb	3.1	221.4
W line	3.3	221.2

So Line Amherst

N line	3.0	221.5
Cb	2.8	221.7
1/4	3.1	221.4
C	3.5	221.0
1/4	3.7	220.8
Cb	4.4	220.1
E line	5.3	219.2

So Cb

E line	5.3	219.2
Cb	4.3	220.2
1/4	3.6	220.9
C	3.2	221.3
1/4	2.9	221.6
Cb	2.9	221.6
W line	2.9	221.6

2 ft St

224.48

So 1/4 Amherst

W line	3.0	221.5
Cb	2.7	221.8
1/4	2.6	221.9
C	3.0	221.5
1/4	3.3	221.2
Cb	3.8	220.7
E line	5.2	219.3

Ctr Amherst

E line	4.9	219.6
Cb	4.1	220.4
1/4	3.4	221.1
C	3.1	221.4
1/4	2.9	221.6
Cb	2.9	221.6
W line	3.1	221.4

No 1/4 Amherst

W line	3.1	221.4
Cb	3.1	221.4
1/4	3.0	221.5
C	3.1	221.4
1/4	3.4	221.1
Cb	3.8	220.7
E line	4.5	220.0

No Cb

E line	4.8	219.7
Cb	4.1	220.4
1/4	3.6	220.9
C	3.5	221.0
1/4	3.1	221.4
Cb	2.9	221.6
W line	3.0	221.5

2 8th St

224.48
No line Amherst

W line	2.7	221.8
Cb	2.7	221.8
1/4	2.9	221.6
C	3.6	220.9
1/4	3.9	220.6
Cb	4.4	220.1
E line	4.9	219.6

25' No

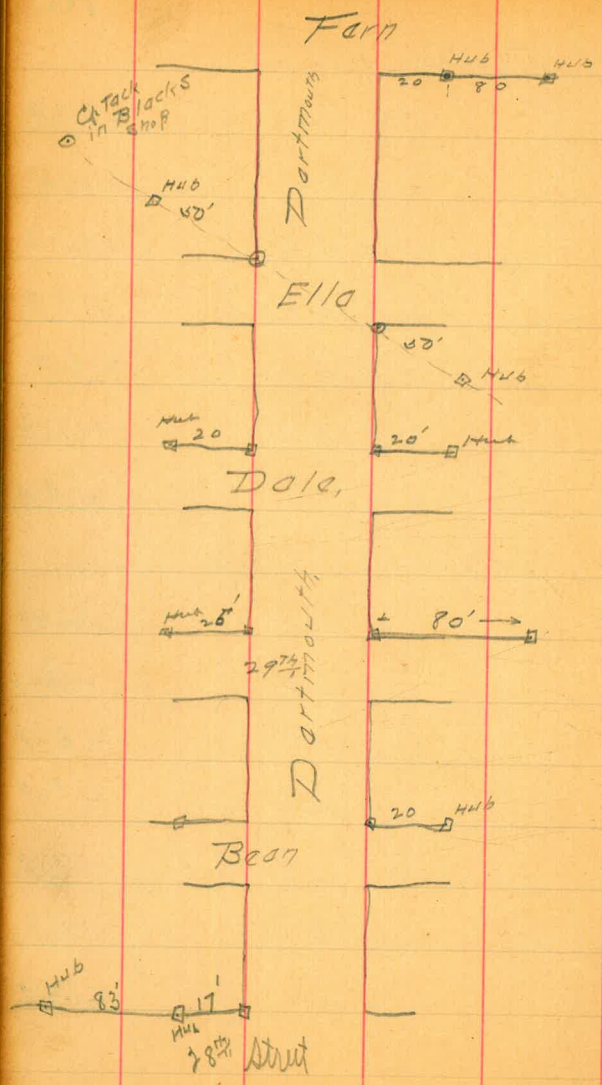
E line	5.1	219.4
Cb	4.6	219.9
1/4	4.3	220.2
C	3.9	220.6
1/4	3.5	221.0
Cb	3.1	221.4
W line	3.0	221.5

50' No

W line	3.6	220.9
Cb	4.0	220.5
1/4	4.3	220.2
C	4.6	219.9
1/4	5.0	219.5
Cb	5.3	219.2
E line	5.7	218.8

75' No

E line	6.4	218.1
Cb	6.2	218.3
1/4	5.8	218.7
C	5.6	218.9
1/4	5.2	219.3
Cb	4.8	219.7
W line	4.6	219.9



2244 28th St

108' No Amherst

W-line		5.5	219.0
Cl		5.6	218.9
1/4		5.9	218.6
C		6.4	218.1
1/4		6.7	217.8
Cl		7.0	217.5
E-line		7.3	217.2
	125' No		
E-line		8.2	216.3
Cl		7.8	216.7
1/4		7.5	217.0
C		7.2	217.3
1/4		6.9	217.6
Cl		6.4	218.1
W-line		6.2	218.3

2 8th St

22448

100' No Amherst

W line	6.7	217.8
Cb	7.0	217.5
1/4	7.4	217.1
C	7.5	217.0
1/4	8.0	216.5
Cb	8.4	216.1
E line	8.8	215.7

+ 191.40 E Line +190.25 W.L = No line

50 Park Ave.

E line	9.4	215.1
Cb	8.8	215.7
1/4	8.4	216.1
C	7.9	216.6
1/4	7.6	216.9
Cb	7.2	217.3
W line	7.0	217.5

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TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60 53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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