KALMIA ST.

{6TH ST. CROSS-SECTION
Brooks — University

"B" ST. 30TH TO 32ND

W½ 20th St. B. C.

400

LEVEL

207

F.B.207

207

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	135⅔
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

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

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
DEC 8 1954

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

230.75 4th & Kalmia

207

113.34 Union S.W. cor.
Irrigation Sr
S.W. 2 cr.

93.30 N.E. cor State Irrigation under rock.

63.73 S.W. cor Columbia sp. in carpet

142.89 S.W. India sp. in Elec. pole

175.19 Sewer line at Kalmia

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

224

223.5

223.37

223.28

223.12

223

Aug 4. 1905. { Childs
Lawrence
Munson
Sawyer

1

Cross section Kalmia
from East line Albatross to
West side 4th Street

H.I. 187.69

East line Albatross

N. line	16.8	170.9
N line + 5'	11.8	175.9
cb	11.5	176.2
1/4	11.0	176.7
c	9.1	178.6
1/4	6.6	181.1
cb	7.1	180.6
So. line	6.6	181.1

25' E albatross

So line	2.8	184.9
cb	2.4	185.3
1/4	3.1	184.6

H.I. 187.69

C	4.3	183.4
1/4	6.2	181.5
Cb	7.2	180.5
Cb+4'	7.6	180.1
Cb+6'	13.4	174.3
N. line	12.4	175.3

50' E. albatross

N. line	10.9	186.8
N. line+6'	11.0	176.7
N line+9'	4.7	183.0
Cb	4.5	183.2
1/4	2.8	184.9
C	0.0	187.7

H.I. 195.37

1/4	7.9	187.5
Cb	7.9	187.5
So. line	8.3	187.1

H.I. 195.37

75' E. albatross

So. line	5.5	189.9
Cb	5.3	190.1
1/4	5.1	190.3
C	5.1	190.3
1/4	5.8	189.6
Cb	8.7	186.7
Cb+5'	9.9	185.5
Cb+7'	12.2	183.2
N. line	14.2	181.2

100' E. albatross

N. line	7.1	188.3
Cb	5.6	189.8
1/4	3.6	191.8
C	3.1	192.3
1/4	3.0	192.4
Cb	2.9	192.5
So. line	2.6	192.8

H.I. 195.37

125° E. albatross

So. line	0.9	194.5
cb	1.6	193.8
1/4	1.6	193.8
c	1.3	194.1
1/4	1.0	194.4
cb	2.1	193.3
n. line	2.8	192.6

H.I. 200.77

150° E. albatross

n. line	6.1	194.7
cb	6.2	194.6
1/4	5.9	194.9
c	5.5	195.3
1/4	5.9	194.9
cb	5.7	195.1
So. line	4.9	195.9

H.I. 200.77

175° E. albatross

So. line	3.3	197.5
cb	4.9	195.9
1/4	4.8	196.0
c	4.7	196.1
1/4	4.8	196.0
cb	4.9	195.9
n. line	4.6	196.2

West line Front

n. line	3.6	196.2
cb	4.0	196.8
1/4	4.3	196.5
c	3.9	196.9
1/4	4.2	196.6
cb	4.1	196.7
So. line	3.5	197.3

H.I. 200.77

West curb Front.

So. line	4.5	196.3
CB	4.4	196.4
1/4	4.0	196.8
C	3.8	197.0
1/4	4.0	196.8
CB	4.2	196.6
N. line	3.9	196.9

West 1/4

N. line	3.6	197.2
CB	3.8	197.0
1/4	3.4	197.4
C	3.5	197.3
1/4	3.6	197.2
CB	3.8	197.0
So. line	4.1	196.7

H.I. 200.77

Center Front

So. line	3.5	197.3
CB	3.4	197.4
1/4	3.2	197.6
C	3.2	197.6
1/4	3.2	197.6
CB	3.6	197.2
N. line	3.3	197.5

East 1/4

N. line	3.2	197.6
CB	3.4	197.4
1/4	3.1	197.7
C	3.0	197.8
1/4	3.1	197.7
CB	3.3	197.5
So. line	3.6	197.2

H.I. 200.77

East curb

So. line	3.0	197.8
cb.	3.2	197.6
1/4	3.0	197.8
c	2.7	198.1
1/4	2.8	198.0
cb	3.3	197.5
N. line	3.2	197.6

East line Front

N. line	2.3	198.5
cb	2.8	198.0
1/4	2.6	198.2
c	2.6	198.2
1/4	2.2	198.6
cb	2.4	198.4
So. line	2.5	198.3

H.I. 208.33

25' E. Front

N. line	8.1	200.2
cb	9.0	199.3
1/4	8.8	199.5
c	8.8	199.5
1/4	8.1	200.2
cb	8.4	199.9
So. line	9.2	199.1

50' E. Front

So. line	7.2	201.1
cb	7.1	201.2
1/4	7.2	201.1
c	7.3	201.0
1/4	7.4	200.9
cb	7.3	201.0
N. line	6.5	201.9

H.I. 208.33

75' E. Front

n. line	4.8	x03.5
cb	5.5	x01.8
1/4	5.8	x01.5
C	5.7	x01.6
1/4	5.7	x02.6
cb	5.6	x01.7
So. line	5.8	x01.5

100' E. Front

So. line	4.0	x04.3
cb	4.4	203.9
1/4	4.3	x04.0
C	4.0	x04.3
1/4	4.2	x04.1
cb	3.9	x08.4
N. line	3.1	x05.2

125' E. Front

n. line	1.6	x06.7
cb	2.5	x05.8
1/4	2.6	x05.7
C	2.4	x05.9
1/4	2.9	x05.4
cb	3.5	x04.8
So. line	2.5	x05.8

150' E. Front

So. line	1.1	x07.2
cb	2.4	x05.9
1/4	1.6	x06.7
C	0.8	x07.5
1/4	1.0	x07.3
cb	0.8	x07.5
N. line	−0.2	208.53

H.I. 21631

175' E. Front

N.line	6.2	210.1
cb	7.0	209.3
1/4	7.4	208.9
C	7.3	209.0
1/4	8.4	207.9
cb	9.0	207.8
So.line	7.8	205.5

W. line pt

So.line	6.5	209.8
cb	7.6	208.7
1/4	6.6	209.7
C	6.3	210.0
1/4	5.9	210.4
cb	5.4	210.9
N.line	4.3	212.0

H.I. 21631

West curb

N.line	5.1	211.2
cb	5.0	211.3
1/4	4.8	211.5
C	5.1	211.2
1/4	5.8	210.5
cb	7.0	209.3
So.line	7.3	209.0

West 1/4

So.line	6.2	210.1
cb	5.8	210.5
1/4	5.1	211.2
C	4.7	211.6
1/4	4.5	211.8
cb	4.3	212.0
N.line	4.2	212.1

H.I. 216.31

Center 1st Street

N. line	3.7	x12.6
cb	4.2	x12.1
1/4	4.5	x11.8
C	5.1	x11.2
1/4	5.3	x11.0
cb	5.5	x10.8
So. line	5.9	x10.4

East 1/4

So. line	5.3	x11.0
cb	4.9	x11.4
1/4	4.5	x11.8
C	4.2	x12.1
1/4	4.1	x12.2
cb	3.6	x12.7
N. line	3.5	x12.8

H.I. 216.31

East curb

N. line	3.3	x13.0
cb	3.5	x12.8
1/4	3.4	x12.9
C	3.7	x12.6
1/4	4.0	x12.3
cb	4.6	x11.7
So. line	5.2	x11.1

East line 1st

So. line	4.5	x11.8
cb	4.5	x11.8
1/4	3.1	x13.2
C	3.3	x13.0
1/4	3.0	x13.3
cb	3.2	x13.1
N. line	2.9	x13.4

H.I. 219.70

25' E 1st St.

No. Line	5.6	x14.1
	5.4	x14.3
Cb		
1/4	5.3	x14.4
C	5.2	x14.5
1/4	5.5	x14.2
Cb	5.8	x13.9
So. Line	6.6	x13.1

50' E 1st St

So. Line	6.1	x13.6
	5.4	x14.3
Cb		
1/4	4.8	x14.9
C	4.7	x15.0
1/4	4.3	x15.4
Cb	4.8	x14.9
No. Line	5.0	x14.7

75' E 1st St

No Line	4.3	x14.4

Cb	4.4	x15.3
1/4	3.8	x15.9
C	4.4 ~~3.4~~	x15.3
1/4	4.7	x15.0
Cb.	5.3	x14.4
So Line	5.4	x14.3

100 E. 1st St.

So. Line	4.9	x14.8
Cb	4.6	x15.1
1/4	4.5	x15.2
C	4.0	x15.7
1/4	3.6	x16.1
Cb	3.6	x16.1
No Line	3.6	x16.1

125 E 1st St.

No Line	1.8	x17.9
Cb.	2.2	x17.5

H.I. 219.70

1/4		3.1	x16.6
C		3.6	x16.1
1/4		4.0	x15.7
Cb		4.3	x15.4
So Line		4.4	x15.3
	150 E	1st St.	
So Line		3.8	x15.9
Cb.		3.7	x16.0
1/4		3.7	x16.0
C.		3.3	x16.4
1/4		2.8	x16.9
Cb.		1.9	x17.8
No. Line		1.2	x18.5
	175' E	1st St.	
No. Line		0.8	x15.9
Cb		1.2	x18.5
1/4		2.1	x17.6

C.		2.9	x16.8
1/4		3.2	x16.5
Cb.		3.1	x16.6
So		3.1	x16.6
	West Line	2nd St.	
So Line		2.5	x17.2
Cb.		2.7	x17.0
1/4		2.4	x17.3
C		2.2	x17.5
1/4		1.9	x17.8
Cb.		1.5	x18.2
No Line		1.1	x18.6
	W. Cb	2nd St.	
No Line		1.8	x17.9
Cb		2.0	x17.7
1/4		2.4	x17.3
C		2.7	x17.0

H I 2 19.70

1/4		3.0	x16.7
Cb.		3.3	x16.4
		3.3	x16.4
	W 1/4 2nd St.		
So Line		3.1	x16.6
Cb		2.7	x17.0
1/4		2.5	x17.2
C		2.3	x17.4
1/4		2.2	x17.5
Cb		1.6	x18.1
No Line		1.5	x18.2
	℄ 2nd St		
No Line		1.2	x18.5
Cb		1.4	x18.3
1/4		1.7	x18.0
C		1.8	x17.9
1/4		1.9	x17.8

H. I. 2 19.70

Cb		2.1	x17.6
So Line		2.2	x17.5
	E 1/4 2nd St.		
So Line		2.5	x17.2
1/1		2.0	x17.7
1/4		1.8	x17.9
C		1.6	x18.1
1/4		1.3	x18.4
Cb		1.2	x18.5
No Line		0.8	x18.9
	E Cb 2nd St		
No Line		0.8	x18.9
Cb		1.1	x18.6
1/4		1.5	x18.2
C		1.6	x18.1
1/4		1.9	x17.8
Cb		2.1	x17.6

H.I. 219.70

So Line		2.3	x17.4
	E Line	2nd St.	
So Line		1.1	x18.6
Cb.		1.5	x17.2
1/4		0.8	x18.9
C		0.7	x19.0
1/4		0.2	x19.5
Cb.		0.6	x19.1
No. Line		0.4	x19.3

25' E 2nd St.

H.I. 228.83

25' E 2nd St.

No Line		6.3	xxx.5
Cb.		6.2	xxx.6
1/4		6.5	xxx.3
C		6.7	xxx.1
1/4		7.3	xx1.5
Cb		7.8	xx1.0
So Line		7.8	xx1.0

50' E 2nd St.

So. Line		6.2	xxx.6
Cb		5.8	xx3.0
1/4		4.9	xx4.0
C		5.0	xx3.8
1/4		4.6	xx4.2
Cb		4.9	xx3.9
No Line		5.0	xx3.8

H.I. 228.83

75' E

No Line	3.3	225.5
Ch	2.5	226.3
1/4	2.8	226.0
C	3.1	225.7
1/4	3.5	225.3
Ch.	3.9	224.9
So Line	4.4	224.4

100' E

So Line	2.3	226.5
Ch	2.0	226.8
1/4	1.7	227.1
C	1.0	227.8
1/4	0.6	228.2
Ch	0.9	227.7
No Line	1.0	227.8

H.I. 233.87

125' E

	3.7	230.2
Ch	4.2	229.7
1/4	4.5	229.4
C	4.8	229.1
1/4	5.2	228.7
Ch.	5.6	228.3
So Line	6.1	227.8

150' E

So Line	5.0	228.9
Ch	4.7	229.2
1/4	4.3	229.6
C	3.9	230.0
1/4	3.6	233.3
Ch	3.3	230.6
No Line	3.0	230.9

H. I. 233.87

175' E

No Line	4.0	229.9
Cb.	4.2	229.7
1/4	4.5	229.4
C	4.9	229.0
1/4	5.6	228.3
Cb	6.0	227.9
So Line	6.5	227.4

W Line 3rd st

So Line	7.8	226.1
Cb.	7.1	226.8
1/4	6.7	227.2
C	6.2	227.7
1/4	6.0	227.9
Cb.	5.9	228.0
No Line	4.9	229.0

H. I. 233.87

W. Cnt 3rd. St.

No Line	5.2	228.7
Ct.	5.7	228.2
1/4	6.3	227.6
C	6.4	227.5
1/4	6.9	227.0
Cb	7.4	226.5
So Line	7.7	226.2

W 1/4 3rd. St.

So Line	7.9	226.0
Cb.	7.5	226.4
1/4	7.0	226.9
C	6.6	227.3
1/4	6.3	227.6
Ct.	6.2	227.7
No Line	5.6	228.3

H. 1. 233.87

	℄	3rd St	
No line		6.7	227.2
Ct.		6.4	227.5
1/4		6.2	227.7
C		6.6	227.3
S. 1/4		6.8	227.1
Ct		7.4	226.5
So line		7.7	226.2
	E 1/4	3rd St.	
So line		7.8	226.1
Ct		7.8	226.1
1/4		7.5	226.4
C		7.3	226.6
1/4		7.4	226.5
Ct		11.2	222.7
No line		11.5	222.4

N. Center

(12' roadway)

H.I. 231.62

North Center	North Rod 6' center	Elev	Rod 81 Slope	Elev.	Rod center	Elev.	South Rod 6' from C.	Elev.	Rod South Slope	Elev
	East Curb 3rd									
	8.4	223.2			9.0	222.6	10'	10.4	221.2	11.3	220.3
	E. line 3rd									
	H.I. 220.54									
22'	3.9	214.6	7.9	212.6	5.7	214.8	22'	6.5	214.0	8.5	212.0
	25' East 3rd									
	H.I. 210.44									
38'	9.5	200.9	8.9	201.5	10.0	200.4	43.5'	10.6	199.8	12.3	198.1
	50' East 3rd									
	H.I. 202.75									
45.5'	9.1	193.7	6.4	196.4	9.4	193.4	55'	9.5	193.3	11.9	190.9
H.I. 210.44		75' E. 3rd									
44'	13.2	197.2	12.5'	197.9	13.2	197.2	45.0'	13.0	197.4	12.5	197.9
	10.0' E. 3rd St. H.I. 210.44										
39'	3.8	206.6			3.2	207.2	28.5	2.2	208.2	1.8	208.6

H.I. 230.90/Kalmia

125' East 3rd

	Rod	Elev.	Elev.
6' north center	8.6	221.3	
Center	7.7	223.2	
6' South center	7.6	223.3	

150' East 3rd

6' North Centre	6.1	224.8	
Centre	6.3	224.6	
6' South Centre	6.8	224.1	

175'

6 ft north Centre	6.2	224.7	
Centre	6.8	224.1	
6' south Centre	6.9	224.0	

West line 4th

6' north	6.9	224.0	
Centre	7.0	223.9	
6' south	7.3	223.6	

	Rod	Elev.
8 ft north centre	9.0	221.9

B.S. 11.71 H.I. 54.60 42.89

Kalmia

W line India

N. line		20.7	33.9	24.8
Cb.		20.0	34.6	
1/4		19.7	34.9	
C		18.0	36.6	
1/4		15.5	39.1	
Cb		13.7	40.9	
S line		12.4	42.2	

W Cb. India

S line		12.4	42.2	43.2
Cb.		12.4	42.2	
1/4		12.3	42.3	
C		12.8	41.8	
1/4		13.5	41.1	
Cb		13.0	41.6	
N line		10.8	43.8	

H.I. = 54.6

W 1/4 India

N line		11.6	43.0	
Cb.		11.3	43.3	
1/4		11.8	42.8	
C		12.3	42.3	
1/4		11.9	42.7	
Cb.		12.0	42.6	
S line		12.0	42.6	

C India

S line		10.9	43.7	
Cb		10.8	43.8	
1/4		11.0	43.6	
C		10.9	43.7	
1/4		10.9	43.7	
Cb		10.5	44.1	
N line		10.1	44.5	36.5

H. I. = 54.6

E ¼ India

N line		10.0	44.6
Cb.		10.3	44.3
¼		10.4	44.2
¢		10.5	44.1
¼		10.5	44.1
Cb		10.5	44.1
S line		10.5	44.1

E Cb. India

S line		10.7	43.9
Cb		10.8	43.8
¼		10.9	43.7
¢		11.4	43.2
¼		11.8	42.8
Cb		12.4	42.2
N line		14	40.6

H. I. = 54.6

E Line India

N line		11.7	42.9
Cb		10.4	44.2
¼		10.2	44.4
¢		10.1	44.5
¼		10.2	44.4
Cb		9.6	44.0 45.3
S line	10' N. S. line	8.8	45.8 44.4

25' E of E Line of India

S line		3.4	51.2
Cb.		5.1	49.5
¼		5.6	49.0
¢		7.4	47.2
¼		8.1	46.5
Cb		8.6	46.0
N line		11.0	43.6

H.I. = 54.6

50' E of E line of India

N line		8.0	46.6	45.0
Cb.		5.7	48,9	
1/4		5.1	49,5	
¢		4.5	50,1	
1/4		3.2	51,4	
Cb		2.2	52,4	
S		0.0	54.6	52.5

75' E. of E line of India

S		0.0	54.6	
Cb		0.4	54.2	
1/4		1.6	53.0	
¢		2.7	51,9	
1/4		3.3	51,3	
Cb		3.4	51 2	
N		5.2	49.4	47.6

H.I = 65.60

100' E.

N.		13.5	52,1	51.0
Cb		12.1	53,5	
1/4		11.9	53,7	
C		11.4	54,2	
1/4		10.6	55,0	
Cb		9.5	56,1	
S.		8.7	56.9	58.2

125 E.

S.		7.6	58,0	
Cb.		8.1	57,5	
1/4		9.0	56,0	
¢		9.3	56,3	
1/4		10.0	55.6	
Cb		10.8	54.8	
N.		11.2	54.4	53

H.I. = 65.6

150

N	9.9	55,7	54.5
Cb	9.4	56,2	
1/4	7.4	58,2	
℄	7.6	58,0	
1/4	7.7	57,9	
Cb	6.4	59,2	
S	4.8	60,8	

175

S	3.2	62,4	
Cb.	4.2	61,4	
1/4	5.4	60,2	
℄	5.7	59,9	
1/4	6.2	59,4	
Cb	6.5	59,1	
N	8	57,6	56.6

H.I. = 65.6

W line of Columbia

N	6.9	58,7	58.0
Cb.	5.5	60,1	
1/4	5.8	59,8	
C	5.0	60,6	
1/4	4.4	61,2	
Cb	3.2	62,4	
S	2.4	63,2	64.2

W Cb. Columbia

S	2.5	63,1	
Cb	3.0	62,6	
1/4	3.3	62,3	
℄	3.7	61,9	
1/4	4.3	61,3	
Cb	5.3	60,3	
N	6.8	58,8	

H.I. = 65.6

W 1/4 Columbia

N	4.8	60.8
Cb.	4.3	61.3
1/4	3.5	62.1
¢	3.0	62.6
1/4	2.8	62.8
Cb	2.6	63.0
S	2.5	63.1

¢ Columbia

S	1.7	63.9
Cb	2.0	63.6
1/4	2.1	63.5
¢	2.2	63.4
1/4	2.7	62.9
Cb	3.5	62.1
N	4.2	61.4

H.I. = 65.6

E 1/4 Columbia

N	3.5	62.1
Cb.	2.9	62.7
1/4	2.1	63.5
¢	1.6	64.0
1/4	1.6	64.0
Cb	1.4	64.2
S	1.1	64.5

E Cb. Columbia

S	0.4	65.2
Cb	0.5	65.1
1/4	0.5	65.1
¢	0.9	64.7
1/4	1.3	64.3
Cb	1.8	63.8
N	2.2	63.4

H.I. = 65.6

E Line

n		0.6	65.0	
Cb		0.0	65.6	
1/4		0.1	65.5	
C		0.0	65.6	
1/4	H.I. 78.07	11.7	66.4	
Cb		12.1	66.0	
S		11.7	66.4	70.
	25' E of East Line			
S		6.0	77.1	
	4' N. S. Line		71.0	
Cb		8.3	69.8	
1/4		9.4	68.7	
C		9.1	69.0	
1/4		10.3	67.8	
Cb		10.5	67.6	
N		11.2	66.9	67.8

H.I. = 78.07

50

N		8.6	69.5	69.4
Cb		7.3	70.8	
1/4		7.1	71.0	
C		7.5	70.6	
1/4		6.7	71.4	
Cb		6.3	71.8	
S	6' N. S. Line	3.9	72.4	
			74.2	
	75			
S		2.4	75.7	76.8
	4' N. So. Line		74.6	
Cb		5.0	73.1	
1/4		4.7	73.4	
C		5.1	73.0	
1/4		5.8	72.3	
Cb		4.4	73.7	
N.		6.5	71.6	

		78,07			
	100'				
n			3.2	74.9	74.4
Cb			3.1	75 0	
1/4			2,7	75,4	
¢			2,7	75 4	
1/4			2,4	75,7	
Cb			2,0	76,1	
	5' n. s. line		(89.23)	76.2	
S	H.I. 89.23		10.2	79.0	
	125				
S			8.6	80,6	
	5' n. s. line			78.7	
Cb.			10.6	78,6	
1/4			10.8	78,4	
¢			11.0	78,2	
1/4			11,9	77 3	
Cb			12,6	76,6	
n			13.0	76.2	

H.I. = 89,23

{ McEwen
Sawyer
Wetmore

n			10.8	78,4	
Cb			9,8	79.4	
1/4			8,8	80.4	
C.			8,3	80,9	
1/4			8.1	81 1	
Cb			8.2	81,0	
S			6.8	82,4	
	175				
S			5.1	84.1	
Cb			5,2	84.0	
1/4			5.9	84,3	
¢			5.6	83.6	
1/4			6,6	82,6	
Cb			7.5	81 7	
n			8.4	80.8	81.2

89.23 = H.1.

W line of Stat. St.

N	5.2	84.0
Cr	5.2	84.0
1/4	4.4	84.8
C	4.2	85.0
1/4	3.6	85.6
Cr	3.3	85.9
S	3.1	86.1
W Cr.		
S.	2.5	86.7
Cr	2.0	87.2
1/4	2.1	87.1
℄	2.7	86.5
1/4	3.0	86.2
Cr	3.5	85.7
N	3.6	85.6

H.1. 89.23

W 1/4

N	1.6	87.6
Cr	1.2	88.0
1/4	1.6	87.6
C	1.1	88.1
1/4	0.6	88.6
Cr	0.9	88.3
S	1.2	88.0
℄		
S	0.0	89.2
	100.16	
Cr	10.6	89.6
1/4	10.8	89.4
℄	10.6	89.6
1/4	10.6	89.6
Cr	11.2	89.0
N	11.3	88.9

88

S 100.16

E. 1/4

N	10.3	89.9
Cor.	10.5	89.7
1/4	9.9	90.3
C	10.0	90.2
1/4	9.9	90.3
Cor	9.4	90.8
S	10.0	90.2

E. Cor.

S	8.9	91.3
Cor	8.3	91.9
1/4	8.4	91.8
C	8.5	91.7
1/4	8.1	92.1
Cor	8.7	91.5
N	8.6	91.6

86.2° J.P.

H.I. = 100.16

E Line

N	7.3	92.9
Cor	7.6	92.6
1/4	6.8	93.4
C	6.6	93.6
1/4	7.2	93.0
Cor	7.6	92.6
S	7.7	92.5

25' E of E Line

S	4.5	95.7
Cor.	4.7	95.5
1/4	5.0	95.2
C	5.1	95.1
1/4	4.2	96.0
Cor	4.3	95.9
N	4.8	95.4

100.16

50' E

N	2.4	97.8
Cb	2.5	97.7
1/4	2.7	97.5
C	2.1	98.1
1/4	2.0	98.2
Cb	2.4	97.8
S	3.0	97.2

75'

S	0.6	99.6
Cb	0.4	99.8
1/4	0.4	99.8
C	0.0	100.2
1/4	0.0	100.2
Cb	0.1	100.1
N	0.2	100.0

H.I. = 110.91

100' E

S	8.5	102.4
Cb	8.7	102.2
1/4	8.4	102.5
C	8.3	102.6
1/4	8.2	102.7
Cb	8.6	102.3
N	8.8	102.1

125'

N	6.1	104.7
Cb	5.7	105.2
1/4	5.7	105.2
C	6.2	104.7
1/4	6.0	104.9
Cb	5.6	105.3
S	5.9	105.0

H.I. = 110.91

150'

S fine	4.4	106.5	107.8
Cb.	4.1	106.8	
1/4	4.0	106.9	
¢	4.0	106.9	
1/4	3.5	107.4	
Cb	3.5	107.4	
N	3.4	107.5	106.0

175

S	1.2	109.7	
Cb	1.0	109.9	
1/4	1.1	109.8	
¢	1.2	109.7	
1/4	1.3	109.6	
Cb	1.3	109.6	
N	1.8	109.1	NO.2

H.I. = 122.03

W line of Union

N.	8.4	112.4 ~~114.6~~	
Cb	7.8	112.8 ~~114.9~~	
1/4	7.8	112.9 ~~114.9~~	
¢	8.5	113.5	
1/4	9.1	114.5 ~~113.9~~	
Cb	9.8	113.2	
S	9.7	113.6 ~~113.3~~	

W Cb

N	9.0	113.0	
Cb	7.5	114.5	
1/4	7.2	114.8	
¢	5.6	116.4	
1/4	5.5	116.5	
Cb	5.7	116.3	
S	6.2	115.8	

H. I. = 122.03

W 1/4

South line	4.5	117.5
Cb.	3.9	118.1
1/4	3.0	119.0
¢	3.5	118.5
1/4	4.2	117.8
Cb	5.0	117.0
N	5.7	117.3
¢		
N	3.3	118.7
Cb	2.8	119.2
1/4	1.8	120.2
¢	2.0	120.0
1/4	2.5	119.5
Cb	3.0	119.0
S	3.7	118.3

H.I. = 122.03

E 1/4

S	2.7	119.3
Cb	1.5	120.5
1/4	1.0	121.0
¢	0.7	121.3
1/4	0.4	121.6
Cb	0.6	121.4
N	1.1	120.9

H. I. = 129.46

E Cb.

N	7.3	122.2
Cb	6.9	122.6
1/4	6.6	122.9
¢	7.0	122.5
1/4	7.69	121.8
Cb	9.30	120.2
S	9.1	120.4

H.I. 129.46

E Line of Union

S		9.1	120.4
Cb		8.5	121.0
1/4		7.6	121.9
C		6.2	123.3
1/4		5.7	123.8
Cb		5.3	124.2
		5.6	123.9
	25' E of E. Line of Union		
		3.9	125.6
Cb		4.1	125.4
1/4		4.6	124.9
C		5.5	124.0
1/4		6.9	122.6
Cb		8.1	121.4
S		9.0	120.5

H.I. = 129.46

50' E of E Line of Union

S		10.6	118.9
Cb		9.2	120.3
1/4		7.5	122.0
C		6.2	123.3
1/4		4.6	124.9
Cb		3.8	125.7
N		3.5	126.0
	75' E		
N		4.2	125.3
Cb.		5.0	124.5
1/4		6.1	123.4
C		7.8	121.7
1/4		9.5	120.0
Cb		11.2	118.3
S		13.4	116.1

H.I. = 129.46

180' E

n	4.7	124.8
Cb.	6.0	123.5
1/4	7.6	121.9
¢	9.5	120.0
1/4	11.1	118.4
Cb	14.3	115.2
S	17.7	111.8

110' E. 109.6

S. H.I. 129.38	19.3	110.1
Cb	15.7	113.7
1/4	12.6	116.8
¢	10.2	119.2
1/4	8.3	121.1
Cb	6.7	122.7
n	5.1	124.3

138.6 H.I. = 129.38

W Line Curlew

n	7.2	122.2
Cb.	8.4	121.0
1/4	9.8	119.6
¢	11.8	117.6
1/4	14.0	115.4
Cb	16.0	113.4
S	19.3	110.1

W Cb Curlew 124.65 = H.I.

S	13.1	111.6
Cb	10.6	114.1
1/4	8.3	116.4
¢	6.6	118.1
1/4	5.0	119.7
Cb	3.1	121.6
n	2.6	122.1

121.5

H.I. = 124.65

W 1/4 of Curlew

n	2.9	121.8
Cb	3.4	121.3
1/4	5.5	119.2
¢	7.6	117.1
1/4	9.6	115.1
Cb	12	112.7
S	15	109.7

¢ Curlew

S	20	104.7
Cb	16.7	108.0
1/4	13.5	111.2
C	9.3	115.4
1/4	6.4	118.3
Cb	4.6	120.1
N	3.2	121.5

H.I. = 124.65

E 1/4 Curlew

N	4.3	120.4
Cb	7.3	117.4
1/4	9.4	115.3
¢	12.1	112.6
1/4	15.7	109.0
Cb	19	105.7
S	20	104.7

E Cb Curlew

S	15.7	109.0
Cb	18.1	106 6
1/4	17.4	107.3
¢	14.8	109.9
1/4	13.1	103.6
Cb	10.4	114.3
N	6.5	118.2

H.I. = 124.65

E Line Culvert

n	7.0	117.7	118.0
Cv	17.8	106.9	
1/4	15	109.7	
℄	15	109.7	
1/4	15.8	108.9	
Cv	16.6	108.1	
S	11.6	113.0	113.0

25' E. of E Line Culvert

S	6.5	118.1	117.0
Cv	6.5	118.2	
1/4	10.9	113.8	
℄	13.1	111.6	
1/4	10.6	114.1	
Cv	7.3	117.4	
n	4.5	120.2	118.0

fill

H.I. = 124.65

33

50' E of E. Line of Culvert

n	4.4	120.3	119.0
Cv	9.3	115.4	
1/4	9.9	114.8	
℄	6.9	117.8	
1/4	5's of ℄ 4.1	120.6	
Cv	3.4	121.3	
S	3.5	121.2	
	3.8	120.8	120.8

75' E of E. Line of Culvert

S	2.4	122.3	121.6
Cv	2.0	122.7	
1/4	1.9	122.8	
℄	1.7	123.0	
1/4	2.6	122.1	
Cv.	2.2	122.5	
n	0.0	124.7	124.0

H.I. = 134.24

100' E of E. Line of Curb

N	8.0	126.2
Cb.	8.4	125.8
1/4	9.2	125.0
℄	9.5	124.7
1/4	9.9	124.3
Cb	10.0	124.2
S	10.9	123.3

125' E. of E Line of Curb

S	9.6	124.6
Cb	8.8	125.4
1/4	7.6	126.6
℄	7.7	126.5
1/4	7.1	127.1
Cb	6.3	127.9
N	6.0	128.2

H.I. = 134.24

39

150' E. of E Line of Curb

N	4.4	129.8
Cb.	4.5	129.7
1/4	4.8	129.4
℄	4.7	129.5
1/4	4.5	129.7
1/4 + 11'		129.0
Cb	10.5	123.7
S	13.0	121.2

175 E of E Line of Curb

S	4.5	129.7
2' N. of S Line	10.0	124.2
Cb	5.3	128.9
1/4	3.5	130.7
℄	3.4	130.8
1/4	3.2	131.0
Cb	3.2	131.0
N	2.6	131.6

H.I. = 134.24

W Line of BRANT St.

n		0.8	133.4
Cb.		1.8	132.4
1/4		1.2	133.0
℄		1.5	132.7
1/4		1.7	132.6
	6' S. of Cb	9.1	125.1
Cb		2.0	132.0
S		1.1	133.1

145.94

W Cb. of Front St.

S		12.6	133.3
Cb.		18.7	127.2
1/4		12.7	133.2
℄		12.0	133.9
1/4		12.2	133.7
Cb		12.6	133.3
n		11.0	134.2

145.94 = H.I.

n		11.0	134.9
Cb.		11.3	134.6
1/4		11.5	134.5
℄		11.3	134.6
1/4		12.0	133.9
Cb		16	129.9
S	77' S. of N.L.	14.9	131.0
		12.4	133.5

℄

n		10.2	135.7
Cb		10.4	135.5
1/4		10.9	135.0
℄		10.5	135.4
1/4		10.9	135.0
	5' n of S Cb.	13.9	132.0
Cb		14.2	131.7
S	4' n of S line	15	130.9
		11.2	134.7

H.I. = 145.94

E. 1/4

S		11.1	1348
Cb.		13.6	1323
1/4		14.9	1310
¢		10.8	135.1
1/4		10.3	135.6
Cb		10.1	135.8
N		10.1	135.8
	E Cb		
N		8.9	137.0
Cb.		9.9	136.0
	25' S. of N. Cb	10.2	135.7
1/4		9.8	136.1
¢		9.5	136.4
1/4		10.4	135.5
Cb		10.6	135.3
S		11.1	1348

H.I. = 145.94

BRANT

E line of ~~Dot~~ St.

S		9.4	136.5 ~~134.5~~ 135.0
Cb		9.5	136.4
1/4		9.1	136.8
¢		9.0	136.9
1/4		8.8	137.1
Cb.		9.6	136.3
N		8.0	137.9 136
	25' E		
N		5.6	140.3
Cb	11' S. of N. Line	11	134.9
		9	136.9
1/4		6.0	139.9
¢		5.9	140.0
1/4		5.8	140.1
Cb		5.4	140.5
S		5.5	140.4

	H.I. = 145.94			
	50' E			
S		2.8	143.1	
Cl.		2.4	143.5	
1/4		2.1	143.7	
¢		2.2	143.7	
1/4		2.5	143.4	
Cl		3.5	142.4	
	T's TN. L.	6.6	139.3	
N.	148.43	~~3.3~~ 3.2	145.2	
Cl		1.6	146.8	
	159.62			
1/4		11.8	147.8	
¢		11.5	148.1	
1/4		11.8	147.8	
		12.5	147.1	
S		12.6	147.0	

	100'			
S		8.8	150.8	151
		8.2	151.4	
		7.8	151.8	
		7.4	152.2	
		7.2	152.4	
		8.5	151.1	
	6's TN. L.	10.2	149.4	
	bottom of ditch	14	145.6	
N		12.3	147.3	149.0
	125			
N		6.8	152.8	
		4.3	155.3	
		3.3	156.3	
		3.3	156.3	
		3.6	156.0	
		3.7	155.9	
S		4.2	155.4	

150'

H. I. = 169.18

S		9.2	160.0
		9.3	159.9
		9.5	159.7
		9.8	159.4
		9.5	159.7
		9.7	159.5
n		11.2	158.0
	17.5		
n		6.5	162.7
Cb		5.5	163.7
1/4		5.1	164.1
C		5.4	163.8
1/4		5.3	163.9
Cb		4.9	164.3
S		4.7	164.5

181.66 12.6

W Line Albatross

S		13.6	168.1
		13.8	167.9
		14.5	167.2
		14.5	167.2
		15.6	166.1
		15.7	166.0
n		16.6	165.1
	W Cb		
n		13.7	168.0
Cb		13.4	168.3
1/4		13.2	168.5
C		12.7	169.0
1/4		12.1	169.6
Cb		11.2	170.5
S		10.1	171.6

	W 1/4			
n			12.6	169.1
			11.2	170.5
			10.9	170.8
			10.7	171.0
			9.8	171.9
			8.7	173.0
S			7.7	174.0
	¢			
S			5.8	175.9
			7.5	174.2
			8.0	173.7
			8.6	173.1
			9.3	172.4
			9.7	172.0
n			10.6	171.1

	E 1/4			
n			12.4	169.3
			8.7	173.0
			8.0	173.7
			6.9	174.8
			6.3	175.4
			5.4	176.3
S			4.2	177.5
	E Cb.			
S			2.5	179.2
			3.0	178.7
			4.4	177.3
			5.5	176.2
			6.1	175.6
			6.6	175.1
	5' Sol N-L		6.9	174.8
n line			12.4	169.3

Childs
Lambert
Thomas

Kalmia St. bet. 3rd & 4th

(80' Roadway) Surv. 23, 1905

E. line 3rd St.

14' S. Slope	H.I. 221.41	7.9	213.5	
S. line		8.4	213.0	
cb		10.5	210.9	
1/4		9.7	211.7	
C		6.5	214.9	
1/4		8.8	212.6	
cb		10.5	210.9	
N. line		13.6	207.8	
(25' N. Slope)		15.0	206.4	
	25' E. 3rd St.			
36' N. Slope	H.I 204.05	5.4	198.7	
N. line		3.2	200.8	
cb		2.5	201.6	
1/4		3.4	200.7	
C		3.6	200.5	
1/4		4.4	199.7	
cb		5.2	198.9	
S. line		6.4	197.7	
40' S. Slope		7.8	196.3	
	50' E 3rd St.			
5'-1" S. Slope	H.I. 204.05	14.7	189.4	
S. line		12.6	191.5	
cb		12.0	192.1	
1/4		11.2	192.9	
C		10.7	193.4	
1/4		10.0	194.1	
cb		9.3	194.8	
N. line		8.4	195.7	
33' N. Slope		3.2	200.9	

75' E. 3rd St.

25' N. Slope	H.I. 205.53	1.7	203.8
N. line		8.4	196.1
cb		9.4	196.1
1/4		8.5	197.0
c		8.3	197.2
1/4		7.5	198.0
cb		6.3	199.2
S. line		6.7	198.8
39' S. Slope		8.1	197.4

100' E. 3rd St.

18' S. Slope	H.I. 214.76	3.3	211.5
S. line		3.1	211.7
cb		4.4	210.4
1/4		5.4	209.4
c		8.7	206.1
1/4		10.9	203.7
cb		13.0	201.8
N. line		15.0	199.8
28' N. Slope		10.0	204.8

(40' roadway)

125' E. 3rd St.

H.I. 231.29

20' N. Slope	21.4		209.9
20' N. Center	13.4		217.9
c	8.1		223.2
20' S. Center	7.3		224.0

150' E. 3rd

1' S. Slope	8.2		223.1
20' S. Center	8.3		223.0
c	6.7		224.6
20' N. Center	6.8		224.5

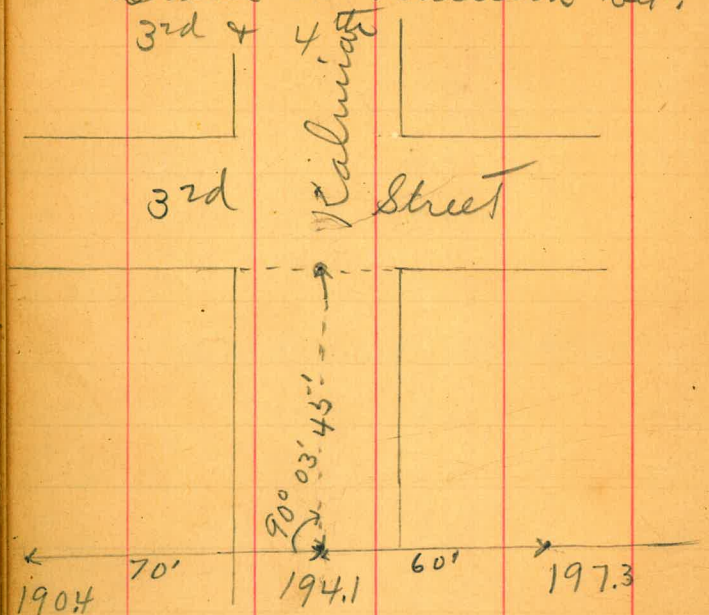
175' E. 3rd

20' N. center	6.2	225.1
C	7.2	224.1
20' S. center	7.7	223.6

West line 4th Street

1' S. Slope	8.1	223.2
20' S. center	8.0	223.3
C	7.4	223.9
20' N. center	6.5	224.8

Drain across Kalmia bet.



LEVELS OVER "B" ST. 30TH — 32ND

B.M.	0.47	233.13		232.66
	2.12	226.80	8.45	224.68
0	EAST LINE OF 30TH ST.			
+50				
1				
+50				
2				
+50				
3				
+50				
	0.12	214.36	12.56	214.24
4				
	0.80	202.54	12.62	201.74
+50				
+64				
	0.75	190.70	12.59	189.95
4+75				

So.		Ctr		No.	
SPIKE	IN FENCE COR.		AT N.E. COR. FERN & "A".		
8.0	x18,8	7.2	x19,6	5.0	x21,8
7.1	x19.7	6.3	x20,5	4.4	x22,4
7.2	x19.6	6.4	x20,4	4.8	x22,0
7.2	x19,6	6.6	x20,2	5.1	x21,7
7.2	x19,6	6.5	x20,3	5.1	x21,7
7.3	x19,5	6.8	x20,0	5.3	x21,5
7.8	x19,0	7.2	x19,6	6.0	x20,8
12.3	x14.5	13.1	x13,7	13.4	x13,4
7.6	x06,8	9.4	x05,0	10.8	x03.6
4.4	198.1	6.9	195,6	7.1	195,4
		9.8	192,7		
see next page		6.0	184.7	6.9	183.8

					S		C		N	
+87									11.1	179.6
5					8.1	178.6	11.7	179.0	7.3	183.4
+07							14.5	176.2		
+25					17.1	173.6	4.7	186.0		
	12.72	202.67	0.75	189.95						
4+75					11.7	191.0				
5+25									7.4	195.3
+50					17.8	184.9	4.1	198.6		
+75					9.0	193.7				
	12.58	212.52	2.73	199.94						
5+40									8.3	204.2
5+50									7.4	205.1
5+75							8.2	204.3	3.7	208.8
6+0	W. L.	31 ST.	ST.		11.8	200.7	4.7	207.8	1.1	211.4
B. M.	10.17	214.75	7.94	204.58	SPIKE IN TELEPHONE POLE N.W. COR. "B" & 31 ST					
6+20					15.6	199.2	5.6	209.2	2.5	212.3
+40					8.8	206.0	8.2	206.6	2.4	212.4
+55					26.5	188.3				
+60 = 0 = E. SIDE 31 ST ST. = STA. 0					25.3	189.5	13.3	201.5	2.5	212.3

0+25				
0+45				
0+50				
1+0				
	6.82	220.45	1.12	213.63
1+50				
2+0				
2+50				
3+0				
3+50				
4+0				
4+50				
5+0				
	0.09	208.16	12.38	208.07
5+50				
B.M.			2.01	206.15
6+0	= W. L. 32nd ST			
6+13	W. L. 32ND ST. by Hatch			

S		C		N	
13.8	x01.0	17.6	197.2	3.9	x10.9
				7.4	x07.4
7.8	x07.0	8.5	x06.3	5.0	x09.8
4.5	x10.3	2.2	x12.6	0.3	x14.5
8.1	x12.4	6.6	x13.9	4.4	x16.1
6.7	x13.8	5.4	x15.1	3.9	x16.6
6.5	x14.0	5.0	x15.5	3.6	x16.9
5.5	x15.0	3.9	x16.6	2.5	x18.0
5.3	x15.2	3.5	x17.0	2.1	x18.4
7.6	x12.9	5.7	x14.8	4.0	x16.5
10.8	x09.7	.82	x12.3	6.3	x14.2
16.3	x04.2	12.8	x07.7	12.0	x08.5
10.7	197.5	9.2	199.0	10.4	197.8
NAIL IN POST.		75' W. OF N. W. COR. "B" & 32nd			
21.1	187.1	21.1	187.1	23.3	184.9
22.2	186.0	23.1	185.1	27.7	180.5

CROSS SECTION OF 6TH ST. FROM BROOKS — UNIVERSITY

COVERT, MUNSON, HASLAM } OCT. 11, 1905.

B.M.	0.38	280.71		280.33	SPIKE IN ELEC. POLE S.W. COR BROOKES
	0.07	268.23	12.55	268.16	
	0.01	255.68	12.56	255.67	
	0 = S. LINE BROOKS				
W.L.			7.8	247.9	
W.C.			8.1	247.6	
W 1/4			9.5	246.2	
1/2			9.7	246.0	
E 1/4			11.4	244.3	
E.C.			13.2	242.5	
	10 - N. = S.C. BROOKS				
W.L			10.3	245.4	
W.C.			11.0	244.7	
W 1/4			13.4	242.3	
	0.94	243.95	12.67	243.01	
	0 = S.L. BROOKS.				
E.L			3.1	240.8	

		243.95		
	10 'N. = S.C. BROOKES.			
1/2		2.7.	241.2	
E/4		2.75	241.0	
E.C.		4.95	239.0	
E.L		6.4	237.5	
	20 - N. = S. 1/4 BROOKS.			
E.L		12.6	231.3	
E.C.		7.9	236.0	
E/4		7.4	236.5	
1/2		7.1	236.8	
W 1/4		5.9	238.0	
W.C		4.65	239.3	
W.L		4.2	239.7	
	17 - N			
E.L		8.5	235.4	
	24 N = BOTTOM OF WASH ON E.L.			
W.L		6.0	238.0	

243.95

W. C	6.0	238.0
W 1/4	7.4	236.5
1/2	8.0	236.0
E. 1/4	11.8	232.1
E C	12.4	231.5
E. L	12.6	231.3
30 N. = 1/2 BROOKS.		
E. L.	9.8	234.1
E. C.	9.9	234.0
E 1/4	10.1	233.8
1/2	10.9	233.0
W. 1/4	10.3	233.6
W. C.	8.3	235.6
W. L	7.8	236.1
35' N. = BOTTOM OF WASH ON W. L.		
W. L	8.4	235.5
9-E	8.5	235.4

243.95

W. C.	10.4	233.5
W. 1/4	10.9	233.0
1/2	8.9	235.0
E 1/4	8.8	235.1
E. C.	8.4	235.5
E. L	8.1	235.8
40' N = N 1/4 BROOKS.		
E. L	5.4	238.5
E. C	6.3	237.6
E 1/4	6.9	237.0
1/2	7.7	236.2
W 1/4	8.1	235.8
W. C	8.6	235.3
W. C IN WASH	9.8	234.1
5 E OF W. L IN WASH	10.2	233.7
5 E OF W. L [illegible]	8.1	235.8
W. L	7.5	236.4

		243.95		
50' N. =				
W.L.			6.95	237.0
6' E of W.L.			9.9	234.0
W.C.			7.9	236.0
W.1/4			4.9	239.0
1/2			3.6	240.3
E1/4			2.9	241.0
E.C.			1.5	242.1
E.L.			0.8	243.1
60 N. = N. L BROOKES.				
W.L. IN WASH			9.2	234.7
8 E of W.L			7.1	236.8
W.C.			6.3	237.6
14 E of W.L			4.0	240.0
W1/4			2.5	241.4
	12.46	255.47	0.94	243.01
1/2			11.2	244.3

		255.47		
E1/4			9.4	246.1
E C.			9.0	246.5
E.L			8.4	247.1
25 - N. OF BROOKS				
1/2			2.0	253.5
W. 1/4			5.8	249.7
W.C			9.1	246.4
W.L			11.6	243.9
50. N. OF BROOKS.				
W.L			3.8	251.7
			R.R. ON SLOPE	
	12.22	267.89	+ 0.20	255.67
25 N OF BROOKS				
				256.5
E1/4			11.4	244.1
				256.8
E.C.			11.1	244.4
				259.3
E.L			8.6	246.7
50 N OF BROOKS.				
				267.6
E.C			0.3	~~255.2~~

		267.89		
E 1/4			4.2	263.7
1/2			6.4	261.5
W 1/4			9.6	258.3
W.C.			12.8	255.1
	75 N OF BROOKS.			
W.L			6.5	261.4
W.C			3.2	264.7
W 1/4			0.9	267.0
	12.78	280.55	0.12	267.77
	50 N. OF BROOKS.			
E.L			9.6	271.0
	75 N OF BROOKS			
1/2			11.5	269.1
E 1/4			8.8	271.8
E.C			4.1	276.5
E L			1.7	278.9
	100 N OF BROOKS			

		280.55		
W.L.			12.6	268.0
W.C			8.1	272.5
W. 1/4			3.5	277.1
1/2			2.0	278.6
E. 1/4			1.3	279.3
E.C.			0.5	280.1
	125 N. OF BROOKS			
W.L			3.1	277.5
W.C.			1.5	279.1
	11.13	291.34	0.34	280.21
	100 N OF BROOKS			
E.L			10.5	280.8
	125 N OF BROOKS			
E.L			9.5	281.8
E C			10.3	281.0
E 1/4			10.9	280.4
1/2			11.3	280.0

291.34

W 1/4	11.7	279.6
150 N OF BROOKS.		
W.L	12.3	279.0
W.C.	11.5	279.8
W 1/4	11.0	280.3
1/2	10.3	281.0
E 1/4	9.9	281.4
E C.	9.5	281.8
E.L.	8.7	282.6
175 N OF BROOKS.		
E.L	7.7	283.6
E.C	8.5	282.8
E 1/4	8.9	282.4
1/2	9.4	281.9
W 1/4	9.9	281.4
W.C	10.5	280.8
W.L	11.3	280.0

291.34

200 N. OF BROOKS.		
W.L	10.3	281.0
W.C.	9.7	281.6
W 1/4	9.1	282.2
1/2	8.7	282.6
E 1/4	7.9	283.4
E C.	7.3	284.0
E L	6.4	284.9
225 N OF BROOKS		
E L	5.8	285.5
E.C.	6.3	285.0
E 1/4	7.3	284.0
1/2	7.6	283.7
W 1/4	8.1	283.2
W C	8.7	282.6
W.L	8.9	282.4
250 N OF BROOKS		

291.34

W.L	7.9	283,4
W.C	7.5	283 8
W 1/4	7.1	284,2
1/2	6.8	284,5
E 1/4	6.3	285.0
E C	6.1	285,2
E L	5.2	286,1

275 N OF BROOKS = S.L. ANDERSON PL.

E L	4.7	286,6
E C	5.1	286,2
E 1/4	5.3	286,0
1/2	5.8	285,5
W 1/4	6.1	285,2
W C	6.6	284,7
W L	7.0	284,3

285 N. BROOKS = S.C. ANDN PL.

W.L	7.3	284,0

291.34

W.C.	6.9	284,4
W. 1/4	6.3	285,0
1/2	6.0	285,3
E 1/4	5.6	285,7
E C.	5.2	286,1
E L	4.5	286,8

292 5 N. BROOKS = 5 1/4 ANDERSON

E L.	4.3	287,0
E C.	4.9	286,4
E 1/4	5.4	285,9
1/2	5.6	285,7
W 1/4	5.9	285,4
W C	6.4	284,9
W L	6.9	284,4

300 N BROOKS = 1/2 ANDERSON

W.L	6.7	284,6
W.C	6.5	284.8

291.34

W. 1/4	5.8	285.5
1/2	5.6	285.7
E 1/4	5.4	285.9
E C	4.8	286.5
E L	3.9	287.4

307± N. OF BROOKS = N 1/4 ANDERSON

E L	3.8	287.5
E C	4.5	286.8
E 1/4	5.1	286.2
1/2	5.4	285.9
W 1/4	5.9	285.4
W C	6.2	285.1
W L	6.6	284.7

315 N OF BROOKS = N C. ANDERSON

W L	6.5	284.8
W C	5.9	285.4
W 1/4	5.5	285.8

291.34

1/2	5.1	286.2
E 1/4	4.C	286.7
E C	4.1	287.2
E L	3.4	287.9

325 N. OF BROOKS = N.L - ANDERSON

E L	2.8	288.5
E C	3.5	287.8
E 1/4	4.3	287.0
1/2	4.5	286.8
W 1/4	4.8	286.5
W C	5.4	285.9
W L	5.8	285.5

350 N. OF BROOKS

W L	4.5	286.8
W C	4.1	287.2
W 1/4	3.5	287.8
1/2	3.3	288.0

291.34

E 1/4	2.8	288,5	
E C.	2.7	288,6	
E. L.	2,6	288,7	
375 N. OF BROOKS.			
E L	2.6	288,7	
E. C.	2.9	288,4	
E 1/4	2.8	288,5	
1/2	2.7	288,6	
W 1/4	3.1	288,2	
W. C	3.6	287,7	
W. L	3.9	287,4	
400 N OF BROOKS.			
W. L	3.6	287,7	
W. C.	3.3	288,0	
W 1/4	3.1	288,2	
1/2	3,1	288,2	
E 1/4	3.2	288,1	

291.34

E C.	3.2	288,1	
E. L	2.9	288,4	
425 N. OF BROOKS			
E. L	3.2	288,1	
E. C.	4.2	287,1	
E. 1/4	4.0	287,3	
1/2	3.8	287,5	
W. 1/4	3.7	287,6	
W. C.	3.9	287,4	
W. L	3.9	287,4	
450 N OF BROOKS			
W. L	4.1	287,2	
W C	4.6	286,7	
W. 1/4	4.8	286,5	
1/2	4.8	286,5	
E 1/4	4.8	286,5	
E C	4.5	286,8	

291.34

E.L	3.4	287,9

475 N OF BROOKS

EL	3.8	287,5
EC	4.9	286,4
E 1/4	5.3	286,0
1/2	5.7	285,6
W.1/4	5.9	285,4
W.C.	5.7	285,6
W.L	5.2	286,1

500 N. OF BROOKS

W.L	5.5	285,8
W.C	6.0	285,3
W 1/4	6.1	285,2
1/2	5.9	285,4
E 1/4	5.6	285,7
EC.	5.2	286,1
EL	4.7	286,6

291.34

525 N. OF BROOKS

E.L.	4.8	286,5
E.C.	5.1	286,2
E 1/4	5.5	285,8
1/2	5.9	285,4
W.1/4	6.1	285,2
W.C.	6.0	285,3
W.L	6.0	285,3

550 N OF BROOKS

W.L	4.9	286,4
W.C.	5.4	285,9
W 1/4	5.7	285,6
1/2	5.6	285,7
E 1/4	5.5	285.8
EC.	5.1	286,2
EL	4.8	286,5

575 N OF BROOKS

		291.34		
E. L			4.5	286.8
E. C.			4.8	286.5
E 1/4			4.8	286.5
1/2			5.0	286.3
W 1/4			4.9	286.4
W. C.			4.9	286.4
W. L.			4.7	286.6
	600 N. OF BROOKS = S.L. THORNTON.			
W. L			4.3	287.0
W C			4.4	286.9
W. 1/4			4.6	286.7
1/2			4.3	287.0
E 1/4			4.3	287.0
E C.			4.3	287.0
E. L			4.7	286.6
	2.42.	290.47	3.29	288.05
	60 N. = N.L. THORNTON			

		290.47		
E. L			3.1	287.4
E. C.			3.7	286.8
E 1/4			3.5	287.0
1/2			3.3	287.2
W 1/2			3.7	286.8
W C			4.1	286.4
W L			3.5	287.0
	25 N° OF THORNTON			
W.L.			3.4	287.1
W. C			3.8	286.7
W 1/4			3.6	286.9
1/2			3.5	287.0
E 1/4			3.4	287.1
E. C.			3.2	287.3
E. L			3.3	287.2
	50 N. OF THORNTON			
E.L			2.9	287.6

290.47

E. C.	3.1	287.4
E. 1/4	3.3	287.2
1/2	3.5	287.0
W. 1/4	3.4	287.1
W C	3.6	286.9
W. L	3.4	287.1

75 N. OF THORNTON

W. L.	2.8	287.7
W. C	3.0	287.5
W 1/4	3.0	287.5
1/2	3.1	287.4
E 1/4	3.0	287.5
E. C	2.5	288.0
E. L	2.7	287.8

100 N. OF THORNTON

E. L	2.5	288.0
E. C	2.7	287.8

290.47

E. 1/4	2.9	287.6
1/2	2.9	287.6
W. 1/4	2.6	287.9
W C	2.8	287.7
W. L	3.0	287.5

125 N. OF THORNTON

W. L.	2.6	287.9
W. C.	2.7	287.8
W. 1/4	2.7	287.8
1/2	2.8	287.7
E 1/4	2.8	287.7
E. C.	2.5	288.0
E. L.	2.2	288.3

150 N. OF THORNTON

E. L.	2.5	288.0
E. C.	2.5	288.0
E. 1/4	2.7	287.8

290.47

½		2.7	287.8
W ¼		2.4	288.1
W.C.		2.2	288.3
W.L		2.3	288.2

175 N. OF THORNTON

W.L.		2.0	288.5
W.C.		2.0	288.5
W. ¼		1.9	288.6
½		2.1	288.4
E ¼		2.0	288.5
E.C		1.4	289.1
E.L.		1.5	289.0

200 N OF THORNTON

E.L.		2.8	287.7
E.C.		2.5	288.0
E ¼		2.7	287.8
½		2.4	288.1

290.47

W ¼		2.2	288.3
W.C.		2.0	288.5
W.L		2.0	288.5

225 N. OF THORNTON

W.L		2.5	288.0
W.C.		2.7	287.8
W. ¼		2.9	287.6
½		3.0	287.5
E ¼		2.9	287.6
E C.		2.4	288.1
E. L		2.7	287.8

250 N. OF THORNTON

E. L		3.2	287.3
E C		2.9	287.6
E. ¼		3.3	287.2
½		3.5	287.0
W. ¼		3.3	287.2

290.47

W.C.	2.4	288.1
W.L.	2.3	288.2
275 N. OF THORNTON = S.L. EVANS PL.		
W.L.	3.6	286.9
W.C	3.5	287.0
W 1/4	3.8	286.7
1/2	3.8	286.7
E 1/4	3.5	287.0
E C.	3.5	287.0
E L	3.5	287.0
285 N. OF THORNTON = S.C. EVANS PL.		
E.L	3.5	287.0
E.C	3.6	286.9
E 1/4	3.8	286.7
1/2	3.9	286.6
W 1/4	3.6	286.9
WC	3.4	287.1

290.47

W.L	3.3	287.2
292.5 N. OF THORNTON = S 1/4 EVANS RL.		
W.L	3.2	287.3
W.C.	3.0	287.5
W 1/4	3.7	286.8
1/2	3.9	286.6
E. 1/4	4.2	286.3
E.C.	4.2	286.3
E.L.	4.5	286.0
300 N. OF THORNTON = 1/2 EVANS PL		
E.L.	4.6	285.9
E.C	4.5	286.0
E. 1/4	4.4	286.1
1/2	4.1	286.4
W. 1/4	3.7	286.8
W.C.	3.3	286.2
W.L	3.6	286.9

290.47

307± N. OF THORNTON = N. 1/4 EVANS PL.

W.L.	3.8	286.7
W.C.	3.8	286.7
W 1/4	3.9	286.6
1/2	4.0	286.5
E 1/4	4.5	286.0
E C	4.6	285.9
E.L	4.7	285.8

315 N. OF THORNTON = N.C. EVANS PL.

E.L.	4.7	285.8
E.C	4.6	285.9
E. 1/4	4.6	285.9
~~E~~ 1/2	4.3	286.2
W 1/4	4.1	286.4
W.C.	4.3	286.2
W.L	4.3	286.2

290.47

325 N OF THORNTON = N.L. EVANS PL.

W.L.	3.9	286.6
W.C.	4.4	286.1
W. 1/4	4.4	286.1
1/2	4.5	286.0
E 1/4	4.7	285.8
E C.	4.7	285.8
E. L.	4.5	286.0

350 N. OF THORNTON

E.L.	4.3	286.2
E.C.	4.5	286.0
E. 1/4	4.3	286.2
1/2	4.1	286.4
W. 1/4	4.1	286.4
W.C.	3.9	286.6
W.L	3.8	286.7

290.47

375 N. OF THORNTON.

W.L	3.6	286.9
W.C.	4.1	286.4
W.¼	3.8	286.7
½	4.0	286.5
E¼	4.2	286.3
E C.	4.4	286.1
E L.	4.5	286.0

400 N. OF THORNTON.

E.L.	4.8	285.7
E.C.	4.5	286.0
E.¼	4.4	286.1
½	4.3	286.2
W.¼	3.8	286.7
W.C.	4.0	286.5
W.L	3.3	287.2

290.47

425 N. OF THORNTON

W.L.	3.0	287.5
W.C	3.8	286.7
W¼	3.4	287.1
½	3.7	286.8
E¼	3.9	286.6
E C	4.3	286.2
E.L	4.4	286.1

450 N OF THORNTON

E.L.	5.1	285.4
E.C.	4.4	286.1
E¼	4.3	286.2
½	4.1	286.4
W.¼	3.6	286.9
W C	3.3	287.2
W.L	2.6	287.9

290.47

475 N. OF THORNTON

W.L		2.2	288,3
W.C.		3.0	287,5
W 1/4		3.5	287,0
1/2		4.2	286,3
E 1/4		5.0	285,5
E C.		5.2	285,3
E.L		5.4	285,1

500 N. OF THORNTON

E L		5.5	285,0
E.C		5.4	285,1
E 1/4		5.2	285,3
1/2		4.3	286,2
W 1/4		3.6	286,9
W. C.		3.3	287,2
W.L		3.2	287,3

290.47

525 N. OF THORNTON

W. L		3,2	287,3
W.C		3,4	287,1
W 1/4		3.4	287,1
1/2		3.6	287.9
E 1/4		5.4	285,1
E C		5.5	285,0
E.L.		5.3	285,2

550 N. OF THORNTON

E.L		5.4	285,1
E C		5.1	285,4
E. 1/4		4.9	285,6
1/2		3.9	286.6
W. 1/4		3.6	286,9
W. C		3.2	287,3
W. L		3.0	287,5

290.47

575 N. OF THORNTON

W.L	3.2	287.3	
W.C	4.0	286.5	
W.¼	3.7	286.8	
½	3.8	286.7	
E.¼	4.7	285.8	
E.C	4.8	285.7	
E.L	4.7	285.8	

590 N OF THORNTON

E.L.	4.5	286.0	
E.C.	5.0	285.5	
E.¼	4.7	285.8	
½	3.8	286.7	
W.¼	4.2	286.3	
W.C.	4.2	286.3	
W.L	3.5	287.0	
4.48	290.26	4.69	285.78

290.26

600 N. OF THORNTON = S.L. ROBINSON

W.L.	4.5	285.8	284.8
W.C.	5.1	285.2	
W.¼	5.4	284.9	
1 ½	5.3	285.0	
E.¼	5.6	284.7	
E.C.	5.5	284.8	
E.L	5.6	284.7	

60 N. = N.L. ROBINSON

E.L.	5.2	285.1	284.6
E.C.	5.7	284.6	
E.¼	5.6	284.7	
½	5.6	284.7	
W.¼	5.3	285.0	
W.C.	5.0	285.3	
2' E of W.L	5.3	285.0	
W.L	3.1	287.2	287.0

290.26

25 N. OF ROBINSON.

W.L	3.3	287.0
2' E of W.L.	4.5	285.8
W.C	4.7	285.6
W 1/4	5.3	285.0
1/2	5.0	285.3
E 1/4	5.5	284.8
E C	5.5	284.8
E L	5.4	284.9

50 N. ROBINSON

E.L	5.7	284.6
E.C	5.3	285.0
E 1/4	5.4	284.9
1/2	5.1	285.2
W 1/4	5.2	285.1
W.C	4.9	285.4
W.L	3.4	286.9
2' E OF W.L	4.6	285.7

290.26

75 N. OF ROBINSON.

W.L	3.3	287.0
W.C	4.4	285.9
W. 1/4	4.8	285.5
W. 1/2	5.2	285.1
E 1/4	5.6	284.7
E C	5.8	284.5
E.L	5.6	284.7

100 N. OF ROBINSON.

E.L.	5.2	285.1
E.C.	5.3	285.0
E 1/4	5.3	285.0
1/2	4.9	285.4
W 1/4	4.9	285.4
W.C	4.4	285.9
W.L	3.3	287.0

290.26

125 N. OF ROBINSON

W.L.	2.8	287.5
W.C.	3.6	286.7
W.1/4	4.3	286.0
1/2	5.0	285.3
E.1/4	5.3	285.0
E.C.	5.4	284.9
E.L.	5.2	285.1

150 N. OF ROBINSON

E.L.	5.5	284.8
E.C.	5.3	285.0
E.1/4	5.4	284.9
1/2	5.0	285.3
W.1/4	4.6	285.7
W.C.	4.1	286.2
W.L.	2.7	287.6

290.26

175 N. OF ROBINSON.

W.L.	3.7	286.4
W.C.	4.2	286.1
W.1/4	4.3	286.0
1/2	4.7	285.4
E.1/4	5.0	285.3
E.C.	4.9	285.4
E.L.	4.7	285.6

200 N. OF ROBINSON.

E.L.	4.5	285.8
E.C.	5.0	285.3
E.1/4	5.1	285.2
1/2	4.7	285.6
W.1/4	4.9	285.4
W.C.	4.2	286.1
W.L.	3.5	286.8

290.26

225 N. OF ROBINSON

W. L	3.4	286.9
W. C.	4.4	285.9
W. 1/4	4.6	285.7
1/2	4.7	285.6
E. 1/4	4.7	285.6
E. C.	5.2	285.1
on curb	4.6	285.7
E. L	4.6	285.7

250 N. OF ROBINSON

E. L.	4.5	285.8
on curb	4.5	285.8
E. C.	5.2	285.1
E. 1/4	4.6	285.7
E2	4.2	286.1
W. 1/4	4.2	286.1
W. C.	3.9	286.4
W. L	3.1	287.2

290.26

275 - N. OF ROBINSON

W. L	3.5	286.5
W. C	4.3	286.0
W. 1/4	4.6	285.7
1/2	4.7	285.6
E 1/4	4.9	285.4
E C	5.4	284.9
on wooden curb	4.5	285.8
E. L.	4.5	285.8

300 - N. OF ROBINSON

E. L	4.7	285.6
on wooden curb	4.7	285.6
E. C.	5.4	284.9
E 1/4	4.8	285.5
1/2	4.6	285.7
W. 1/4	4.1	286.2
W. C.	4.0	286.3
W. L	3.3	287.0

290.26

325 N OF ROBINSON

W.L	3.4	x86,9
W.C	4.0	x86,3
W.¼	4.3	x86,0
½	5.0	x85,3
E ¼	5.2	x85,1
E.C	5.6	x84,7
on wooden curb	4.8	x85,5
E.L.	4.8	x85,5

350 N OF ROBINSON

E.L.	5.1	x85,2
on wooden curb	5.1	x85,2
E.C.	5.7	x84,6
E.¼	5.2	x85,1
½	5.1	x85,2
W.¼	4.4	x85,9
W.C.	4.1	x86,2
W.L	3.9	x86,4

290.26

375 N OF ROBINSON

W.L.	4.7	x85,6
W.C	4.5	x85.8
W.¼	4.9	x85.4
½	4.9	x85.4
E ¼	5.2	x85,1
E.C.	5.8	x84.5
on wooden curb	5.2	x85,1
E.L	5.2	x85,1

400 N OF ROBINSON

E.L.	5.3	x85.0
on wooden curb	5.4	x84.9
E.C	6.1	x84.2
E.¼	5.4	x84,9
½	5.1	x85,2
W.¼	4.9	x85,4
W.C.	4.6	x85,7
W.L	4.0	x86,3

290.26

416 N. OF ROBINSON = S.W. COR. UNIVERS.

W. L		3.8	286.5
W. C.		4.9	285.4
W 1/4		5.0	285.3
1/2		5.5	284.8
E 1/4		5.7	284.6
E C		6.2	284.1
E. C.	on wooden curb.	5.8	284.5
E. L		5.5	284.8

444.6 N. OF ROBINSON = S. E. COR. UNIVERS.

E. L		6.5	283.8
E. C		6.6	283.7
E 1/4		6.4	283.9
1/2		6.2	284.1
W 1/4		6.0	284.3
W. C.		6.0	284.3
W. L		5.8	284.5
B.M.	ROBINSON & 5TH S.E. COR TOP NOZZLE ON HYDRANT.	1.08	289.18

286.6
287.19
289.18
CK -01

Dec. 6 1905 West ½

Cross Section 20' St bet. B & C

Child
Munson
Brooks
Haslam

	H. I. 99.00		4.68	94.32
	North line C			
W line			14.1	84.9
Cb			12.0	87.0
1/4			11.8	87.2
C			10.9	88.1
	15' No			
T.P	91.15	2.57	10.42	88.58
W.L	91.15	2.57	14.9	76.2
Cb			13.2	77.9
1/4			12.2	78.9
C			11.0	80.1

	H. I. 25' No.			
W.L	91.15		14.5	76.7
Cb			12.3	79.9
1/4			10.6	80.6
C			9.5	81.7
	50 No			
W.L	91.15		9.0	82.2
Cb			6.2	85.0
1/4			5.5	85.7
C			4.9	86.3

N. I

175' No

W.L.	99.00		10.7	88.3
Cb.			8.6	90.4
1/4			7.7	91.3
C			6.4	92.6

100' No

W.L.	99.00		8.4	90.6
Cb.			7.2	91.8
1/4			5.7	93.3
C			4.4	94.6

125' No

	T.P.		5.12	88.58
	93.70			
W.L.			9.9	83.8
Cb			7.2	86.5
1/4			4.4	89.3
C			1.5	92.2

150' N.

C.	93.70		8.9	84.8
1/4.			12.8 T.P.	80.9
	84.26	3.04	12.48	81.22
Cb.			6.2	78.1
W.L.			9.2	75.1

175' No

W.L.	84.26		14.0	70.3
Cb			11.0	73.3
1/4			8.4	75.9
C			5.8	78.5

200' No

C	84.26		10.1	74.1
1/4			12.4 T.P.	71.8
	76.68		12.74	
Cb			8 3	68.4
W.L.			10.1	66

N.I

225' No

W.L	76.68	10.2	66.5
Cb		8.3	68.4
1/4		7.0	69.7
C		5.7	71.0

250' No

C	76.68	6.7	70.0
1/4		7.9	68.8
Cb		9.6	67.1
W.L		11.3	65.4

275' No

W.L	76.68	12.1	64.6
Cb		11.1	65.6
1/4		10.3	66.4
C		9.0	67.7

281.7' No

C	76.68	9.6	67.1
1/4		10.5	66.2
Cb		11.5	65.1
W.L.		12.3	64.4

POSTED X Section Kalinia India to Cal.

		H.I.			
	0.36	43.36		43.00	B.M.
		W. line India			
So line			1.4	42.0	
			2.1	41.3	
			2.7	40.7	
C			4.2	39.2	
			5.7	37.7	
Cb			3.9	39.5	
Cb + 4'			3.3	40.1	
		5' West			
N. Cb			10.3	33.1	
			7.7	35.7	
C			6.4	37.0	
			5.1	38.3	
			3.0	40.4	
So. line			1.4	42.0	

		25' W		
So line			5.0	38.4
			6.4	37.0
			8.0	35.4
C			8.9	34.5
N 1/4			11.5	31.9
	40' W			
N 1/4 + 8'			10.6	32.8
C			10.1	33.3
			9.4	34.0
			8.3	35.1
So. line			6.8	36.6
	50' W			
So line			8.2	35.2
			9.3	34.1
			10.3	33.1
1/4 + 8'	—		11.0	32.4

65' W

So. ¼			13.0	30.4
			11.3	32.1
So line			11.2	32.2
I.P.	1.15	H.I. 32.20	12.31	31.05
		W. line India		
n. line			5.4	26.8
		5' W. India		
n. line			8.6	23.6
		25' West		
n. cb			4.7	27.5
n. line			15.3	16.9
		40' West		
n. ¼			3.5	28.7
n cb			13.3	18.9

50' West

C	2.0	30.2	
n ¼	9.4	12.8	
	65' West		
C	7.6	24.6	
n ¼	14.3	17.9	
n line	11.3	20.9	
	75' West		
So line	4.4	27.8	
	5.9	26.3	
	8.2	24.0	
C	13.0	19.2	
n. cb	15.0	17.2	
n line	8.1	24.1	

100' West

N line	1.0	31.2
cb	7.4	24.8
N 1/4	12.8	19.4
So. line	12.7	19.5

108' W

N line	-0.9	33.1
	6.0	26.2
N 1/4	10.5	21.7

125' W.

N line	-0.2	32.4
	0.6	31.6
cb +6'	0.7	31.5
1/4	4.8	27.4
C	9.8	22.4

150' W

N. line	0.3	31.9
	1.2	31.0
	1.6	30.6
C	8.0	24.2

161' W

N. line	0.5	31.7
	3.9	28.3
	6.6	25.6
	7.9	24.3
So. 1/4	11.1	21.1

175' W

N line	4.4	27.8
	8.4	23.8
	11.3	21.9
C	13.7	18.5

East line attic

N line			9.7'	22.5
cb			14.4	17.8
		E. cb		
N line			9.4	22.8
		E. ¼		
N. line			4.2	28.0
N. cb			12.1	20.1
		Center		
N line			1.80	30.4
So. line			10.5	21.7
		W ¼		
N line			1.6	30.6
		W. cb		
N line			1.9	30.3
T.P.	0.34	20.28	12.26	19.94
T.P.			6.46	25.74

20.28

40' W

N. line	8.0	12.3

50' W

N. line	4.8	15.5
N line +7'	6.1	14.2
" +12'	8.2	12.1
cb	6.8	13.5

65' W

N. cb	6.4	13.9
4' So.	8.6	11.7

75' W

N ¼	7.4	12.9
4' North	9.4	10.9

100' W

C	9.8	10.5
C +5'	8.9	11.4
	5.0	15.3
So. cb	1.8	18.5

	108' W		
So line		1.8	18.5
		3.4	16.9
		7.6	12.7
¼+7		9.9	10.4
C		6.6	13.7
	125' W		
So ¼		6.5	13.8
¼+7'		10.3	10.0
cb		8.6	11.7
So line		5.6	14.7
	N 50' W		
So line		10.9	9.4
So cb+2'		9.0	11.3
cb		3.5	14.8
¼		2.2	18.1

	161' W		
So. cb		2.7	17.6
So. line		6.8	13.5
	175' W		
So line		7.4	12.9
cb		5.5	14.8
¼		4.3	16.0
	East line artic		
So line		10.1	10.2
		10.4	9.9
		9.1	11.2
C		6.1	14.2
¼	East cb		
So line		11.7	8.6
		12.8	7.5
		13.2	7.1
C		11.0	9.3

East ¼

C			13.3	7.0
			9.6	10.7
			8.4	11.9
C+6			4.1	16.2
So line			3.3	17.0
		Center		
3' So. C6			0.7	19.6
C6			5.1	15.2
			9.2	11.1
C			13.7	6.6
J.P.	12.63	H.I. 20.22	12.69	7.53
		East line		
N ¼			4.3	15.9
		East C6		
N ¼			7.3	12.9
C6			3.5	16.7

East ¼

N. ¼			7.9	12.3
3' So. ¼			10.9	9.3
		Center artic		
N ¼			7.9	12.3
¼ +5'			5.3	14.9
C6			-0.4	20.6
J.P.	0.10	H.I. 25.84		25.74
		W ¼		
N C6			2.7	23.1
N. ¼			7.7	18.1
So C6			9.5	16.3
So. line			2.2	23.6
		W. C6		
So line			3.3	22.5
So. C6			10.2	15.6
N ¼			7.7	18.1
N C6			3.6	22.2

POSTED

25.84

West line artic

N line		0.4	25.4
10' So. N. line		0.9	24.9
Cb		2.3	23.5
1/4		9.6	16.2
So Cb		12.0	13.8
So line		3.9	21.9
	25' W		
So line		11.6	14.2
N 1/4		8.1	17.7
Cb		1.9	23.9
N line		1.3	24.5
	50' W		
N line		1.8	24.0
Cb		1.9	23.9
1/4		5.1	20.7
1/4 +8'		6.6	19.2
C		10.1	15.7
So line		12.8	13.0

		75' W	
So line		9.8	16.0
C		14.2	11.6
		8.6	17.2
Cb		4.9	20.9
Cb +4'		2.2	23.6
N. line		2.1	23.7
	100' W		
N. line		2.8	23.0
		3.7	22.1
		9.7	16.1
C		14.1	11.7
J.P.	0.14	H.I. 25.88	25.74
	125' W		
N line		3.1	22.8
		2.7	23.2
Cb +9'		3.2	22.7
1/4		5.0	20.9
C		12.7	13.2

25.88 H.I.

	134' W		
Cb + 9'		13.8	12.1
S 1/4		11.5	14.4
C		7.7	18.2
		3.4	22.5
		2.7	23.2
N. line		3.4	22.5
	150' W		
N line		3.5	22.4
		3.0	22.9
		2.7	23.2
C		2.8	23.1
C + 2'		5.8	20.1
1/4		6.0	19.9
1/4 + 7'		3.5	22.4
Cb		4.6	21.3
So. line		6.3	19.6

	155' W.		
So. line		8.4	17.5
		9.0	16.9
		8.4	17.5
C		8.3	17.6
C + 10'		6.9	19.0
1/4		3.1	22.8
		3.3	22.6
N line		3.5	22.4
	175' W East line Calif. St.		
N line		3.5	22.4
		4.0	21.9
Cb + 8'		4.1	21.8
1/4		8.8	17.1
C		10.2	15.7
		10.3	15.6
		10.7	15.2
So line		10.9	15.0

		H.T.		
JS.	0.44	13.37	12.95	12.93
		W ¼ artic.		
C			6.8	6.6
do. ¼			2.9	10.5
¼ + 8'			0.0	13.4
		W. cb		
do. cb + 6'			3.1	10.3
do. ¼			5.1	8.3
C			7.2	6.2
		West line artic		
C			3.5	9.9
C + 5'			7.2	6.2
do. ¼			6.2	7.2
do. ¼ + 6'			3.9	9.5

	25' W		
do. line + 10'		1.9	11.5
cb		5.1	8.3
cb + 4'		8.2	5.2
¼		6.7	6.7
C		2.3	11.1
	50' W		
~~H~~ cbC + 10'		6.7	6.7
do ¼		8.4	5.0
do. ¼ + 7'		9.8	4.6
cb		4.7	8.7
	75' W		
do. cb		4.8	8.6
cb + 11'		8.3	5.1
do. ¼		9.4	4.0
¼ + 4'		9.0	4.4

	100' W		
C+9'		5.2	8.2
So 1/4		10.0	3.4
1/4+2'		9.9	3.5
1/4+5'		8.3	5.1
Cb		6.7	6.7
So line		4.3	9.1
	125' W		
So line		8.4	5.0
So line +10'		8.9	4.5
Cb		10.3	3.1
1/4		2.5	10.9
	134' W artic		
So Cb.		7.3	6.1
Cb +6'		10.5	2.9
So line		10.8	2.6

280.35
38
280.71
12.55
268.16

20
1.8

7) 180
90
45

+	−
0.47	8.45
2.12	12.56
.12	12.62
.80	12.59
.75	.75
12.72	2.73
12.58	7.94
29.56	57.64
	29.55
	28.08

232.66
28.08
204.58

{Brooks & 5th S.W. COR SPIKE IN ELEC. POLE. 280.33

{Robinson & 5th S.E. COR. TOP NOZZLE OF HYDRANT 289.19

1
2
3
4

207

Point { 10' W. of Albuquerque
E. of Kalmia

R.M. India, Kalmia 42.89
S.W. Cor. Spike in Elec. Pole

B.M. Union, Kalmia 113.343
S.W. Cor. Iron pin 3' S.W. of Cor.

B.M. Star, Kalmia 93.3

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6373

185

B.M. 2nd Stake S of Manhole 175.19
75' S of manhole
Curlew

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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