...oss Sections: 25th St., from
... to "N" St. Page 1 to 69.

"M" St. Level to establish Grade line Page 70 to 81.

"M" St. Street, Cross Sections 9th to 32nd St's. Page 84 to 160

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LEVEL

...City Engineers Office
... San Diego, Cal.

F.B. 134

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

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

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	10.80	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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46.17	88.50	46.56	62
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	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	[illegible]	[illegible]	[illegible]	85.26	52.25	85.04	52.62	58
32	84.80	[illegible]	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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Return to City Engineers Office
City Hall, San Diego, Cal.

July 1st 1901.

Cross-sections 25th. st. from F. to "N."

d'Hennecourt
Williams
Kenniston

B. M. at S. W. Cor. 25th + D. = 188.34

	0.01		188.35	188.34
T.P.	0.82	2.96	186.19	185.37
BM. N.W. Corner 25th + F. top of sphere at Wall		2.14		184.05
No. line of F			186.19	
Gutter W. side		6.37		179.82
1/4		6.05		180.14
C.		5.32		180.87
1/4		5.74		180.45
Curb		5.73		180.46
E. line		5.67		180.52
Curb line No. side of F.				
E. line		5.96		180.23

25th St

Curb	6.00	180.19
1/4	5.73	180.46
C.	5.23	180.96
1/4	5.79	180.40
Gutter	6.32	179.87
" W. line	6.40	179.79
Center line of F.		
W. line	5.12	181.07
Curb	5.06	181.13
1/4	4.70	181.49
C.	5.07	181.12
1/4	5.85	180.34
Curb	5.93	180.26
E. line	6.25	179.94
5 ft. So. of Center line of F.		
E. line	6.30	179.89
Curb	6.07	180.12
1/4	5.64	180.55

25th Street

C.	4.67	181.52
1/4	3.65	182.54
Curb	4.15	182.04
W. line	4.54	181.65
Curb line So. side of F.		
W. line	4.42	181.77
Curb	3.75	182.44
1/4	3.93	182.26
C.	4.27	181.92
1/4	5.81	180.38
Curb	6.20	179.99
E. line	6.47	179.72
So. line of F.		
E. line	6.43	179.76
Curb	6.30	179.89
1/4	6.32	179.87
C.	4.87	181.32
1/4	4.27	181.92

25th, Street

Curb	3.53	182.66
W. line	3.73	182.46
25 ft. So. of F.		
W. line	4.13	182.06
Curb	4.23	181.96
1/4	4.84	181.35
b.	5.80	180.39
1/4	6.75	179.44
Curb	7.40	178.79
	6.50	179.69
E. line	6.87	179.32
50 ft. So. of F.		
E. line	7.40 ~~6.87~~	178.79
Curb	6.80	179.39
	7.81	178.38
1/4	7.40	178.79
b.	6.75	179.44
1/4	5.65	180.54

25th, Street

Curb	4.68	181.51
W. line	4.46	181.73
75 ft. So. of F.		
W. line	5.35	180.84
Curb	5.52	180.67
1/4	5.53	180.66
b.	6.43	179.76
	8.20	177.99
1/4	7.72	178.47
Curb	8.74	177.45
	7.67	178.52
E. line	7.78	178.41
100 ft. So. of F.		
E. line	8.35	177.84
Curb	8.23	177.96
	9.05	177.14
1/4	8.93	177.26
b.	7.93	178.26

25th Street,

1/4		6.47		179.72
Curb		6.37		179.82
W. line		6.05		180.14
T.P.	0.05	6.50	179.74	179.69
125 ft. So. of F.			179.74	
W. line		0.30		179.44
Curb		0.67		179.07
1/4		0.67		179.07
C.		2.17		177.57
1/4		3.02		176.72
Curb		3.21		176.53
E. line		2.35		177.39
No. side of alley				
E. line		2.72		177.02
Curb		3.47		176.27
1/4		3.35		176.39
C.		2.50		177.24
1/4		1.28		178.46

25th Street,

Curb		0.93		178.81
W. line		0.63		179.11
So. side of alley,				
W. line		1.33		178.41
Curb		1.52		178.22
1/4		1.45		178.29
C.		3.02		176.72
1/4		3.40		176.34
Curb		3.77		175.97
E. line		3.40		176.34
175 ft. So. of F.				
E. line		3.57		176.17
Curb		4.15		175.59
1/4		3.54		176.20
C.		3.15		176.59
1/4		2.12		177.62
Curb		2.10		177.64
W. line		2.28		177.46

25th, St.

200 ft. So. of F.

W. line	2.97	176.77
Curb	2.81	176.93
1/4	2.79	176.95
C.	3.64	176.10
1/4	4.15	175.59
Curb	4.80	174.94
E. line	4.62	175.12

225 ft. So. of F.

E. line	5.48	174.26
Curb	5.20	174.54
1/4	5.33	174.41
C.	4.47	175.27
1/4	3.53	176.21
Curb	3.45	176.29
W. line	3.75	175.99

250 ft. So. of F.

W. line	4.45	175.29

25th, Street

Curb	4.43	175.31
1/4	4.27	175.47
C.	5.55	174.19
1/4	5.90	173.84
Curb	5.74	174.00
E. line	5.80	173.94

275 ft. So. of F.

E. line	6.32	173.42
Curb	6.30	173.44
1/4	6.27	173.47
C.	6.16	173.58
1/4	5.05	174.69
Curb	4.75	174.99
W. line	5.22	174.52

No. line of G.

W. line	6.90	172.84
Curb	6.45	173.29
1/4	5.47	174.27

25th. St.

b.		6.67	179.74	173.07
1/4		6.68		173.06
Curb		6.75		172.99
E. line		6.71		173.03
Curb line No. side of G.				
E. line		6.95		172.79
Curb		7.20		172.54
1/4		7.00		172.74
b.		6.90		172.84
1/4		6.80		172.94
Curb		6.80		172.94
W. line		7.66		172.08
Center line of G.				
W. line		7.86		171.88
Curb		7.35		172.39
1/4		7.33		172.41
b.	8.65	7.50	171.09	172.24
1/4	9.16	7.23	170.58	172.51

25th. Street

Curb	7.37	9.17	172.37	170.57
E. line	9.15	7.83	170.59	171.91
Curb line So. side of G.				
E. line	9.10	9.65	170.64	170.09
Curb	9.55	10.25	170.19	169.49
1/4		9.77		169.97
b.		9.77		169.97
b.	3'7	8.27		171.47
1/4		8.47		171.27
Curb		8.80		170.94
W. line		9.00		170.74
T.P.	1.94	9.43	172.25	170.31
South line of G.				
W. line		1.25	172.25	171.00
10'		0.35		171.90
4'		2.00		170.25
Curb		2.05		170.20
1/4		1.73		170.52

25th, st,

C.	1.30	170.95
	2.15	170.10
1/4	2.80	169.45
Cent	2.90	169.35
	1.20	171.05
E. line	1.90	170.35
25 ft, So. of G.		
E. line	2.76	169.49
Cent	3.45	168.80
	4.15	168.10
1/4	3.85	168.40
C.	3.47	168.78
	2.70	169.55
1/4	3.37	168.88
Cent	3.40	168.85
4' X	3.00	169.25
2' ✓	1.55	170.70
W. line	1.62	170.63

25th, street

50 ft, So. of G.		
W. line	2.50	169.75
10' X	2.28	169.97
2' ✓	3.82	168.43
Cent	4.27	167.98
1/4	4.25	168.00
Center	3.46	168.79
	4.40	167.85
1/4	5.00	167.25
Cent	5.35	166.90
	4.50	167.75
E. line	4.05	168.20
75 ft, So of G.		
E. line	5.10	167.15
Cent	5.55	166.70
	6.60	165.65
1/4	5.96	166.29

25th. Street

b.	5.60	166.65
	4.70	167.55
1/4	5.11	167.14
Cent	4.87	167.38
3 v.	3.52	168.73
W. line	3.84	168.41
	100 ft So. of ℄.	
W. line	5.32	166.93
~~Cent~~ 12 v	5.00	167.25
	6.25	166.00
Cent	6.25	166.00
1/4	6.15	166.10
b.	5.67	166.58
	6.47	165.78
1/4	7.05	165.20
Cent	7.60	164.65
	6.80	165.45
E. line	6.05	166.20

25th. Street

	125 ft. So. of ℄.	
E. line	7.20	165.05
Cent	7.75	164.50
	8.85	163.40
1/4	8.18	164.07
b.	7.72	164.53
	6.65	165.60
1/4	7.18	165.07
Cent	7.23	165.02
5 v	5.50	166.75
W. line	5.93	166.32
	No. line of Alley	
W. line	6.55	165.70
11 v	6.00	166.25
	7.60	164.65
Cent	7.75	164.50
1/4	7.67	164.58

2 5th. street

b.	7.35	164.90
	8.21	164.04
1/4	8.83	163.42
bent	9.43	162.82
	8.40	163.85
E. line	7.90	164.35
So. line of alley.		
E. line	8.73	163.52
bent	9.35	162.90
	10.16	162.09
1/4	9.73	162.52
b.	9.27	162.98
	8.15	164.10
1/4	8.43	163.82
bent ^	8.73	163.52
3 v	7.13	165.12
W. line	7.37	164.88
T.P.	7.17	165.08

July 2-1901 -

d'Hemecourt
Williams
Kennaston

25th. St.

T.P.	0.72		165.80	165.08
175 ft. So. of G.				
			165.80	
W. side ^		1.22		164.58
~~lent~~ 13'		0.95		164.85
lent		1.90		163.90
1/4		2.30		163.50
b.		2.30		163.50
		3.62		162.18
1/4		3.87		161.93
lent		4.25		161.55
		3.52		162.28
E. line		3.05		162.75
200 ft. So. of G.				
E. line		4.22		161.58
lent		4.65		161.15
		5.43		160.37

25th. Street

1/4	4.80		161.00
b.	4.58		161.22
	2.80		163.00
1/4	2.93		162.87
lent ^	3.60		162.20
3' x	3.40		162.40
2' v	2.20		163.60
W. line	2.57		163.23
225 ft. So. of G.			
W. line ^	3.46		162.34
10' x	3.00		162.80
4' v	4.30		161.50
lent	4.45		161.35
S. 1/4	3.55		162.25
b.	3.60		162.20
	5.50		160.30
1/4	5.95		159.85

25th. Street

Curb		6.50		159.30
		5.60		160.20
E. line		5.15		160.65
250 ft. So. of G.				
E. line		6.10		159.70
Curb		6.80		159.00
		7.81		157.99
1/4		7.10		158.70
G.		6.40		159.40
		4.62		161.18
1/4		4.27		161.53
Curb		5.20		160.60
3' ×		5.10		160.70
2' ✓		3.90		161.90
W. line		4.40		161.40
275 ft. So. of G.				
W. line		5.60		160.20
Curb		5.54		160.26

25th. Street

1/4		5.90		159.90
G.		5.40		160.40
		7.56		158.24
1/4		8.22		157.58
Curb		7.95		157.85
E. line		7.08		158.72
No. line of H.				
E. line		8.05		157.75
Curb		8.85		156.95
1/4		8.72		157.08
G.		8.70		157.10
		6.85		158.95
1/4		7.15		158.65
Curb		7.35		158.45
W. line	7.55	6.00	158.25	159.80
Curb line No. side of H.				
W. line	9.50	8.75	156.30	157.05
Curb		8.55		157.25

25th Street

1/4		7.85		157.95
b.		7.67		158.13
		9.06		156.74
1/4		9.22		156.58
Curb		9.21		156.59
E. line		9.15		156.65
	Center line of H.			
E. line		9.02		156.78
Curb		9.33		156.47
1/4		9.07		156.73
b.		8.90		156.90
1/4		8.93		156.87
Curb		9.25		156.55
W. line		9.67		156.13
	Curb line So. side of H.			
W. line		11.0 | 12.00	154.80	153.80
Curb		11.10		154.70
1/4		10.24		155.56

25th. Street.

b.		10.05		155.75
1/4		9.93		155.87
Curb		10.13		155.67
E. line		10.00		155.80
	So. line of H.			
E. line		9.82		155.98
Curb		9.87		155.93
1/4		10.00		155.80
b.		10.43		155.37
1/4		11.33		154.47
Curb		11.57		154.23
W. line		10.87		154.93
	25 ft. So. of H.			
W. line		11.57		154.23
Curb		12.60		153.20
1/4		12.20		153.60
b.		11.27		154.53
1/4		10.00		155.80

25th Street.

Curb		10.43		155.37
E. line		10.97		154.83
T.P.	2.34	11.52	156.62	154.28
50 ft. So. of H,				
			156.62	
E. line		3.75		152.87
Curb		2.71		153.91
1/4		2.38		154.24
b.		2.64		153.98
1/4		3.30		153.32
Curb		4.55		152.07
W. line		4.10		152.52
75 ft. So. of H,				
W. line		5.95		150.67
Curb		5.76		150.86
1/4		4.50		152.12
b.		4.37		152.25
1/4		4.50		152.12
Curb		4.95		151.67

25th Street.

E. line		5.54		151.08
100 ft. So. of H,				
E. line		7.48		149.14
Curb		7.20		149.42
1/4		6.40		150.22
b.		6.45		150.17
1/4		6.58		150.04
Curb		7.40		149.22
W. line		7.44		149.18
125 ft. So. of H,				
W. line		9.07		147.55
Curb		9.34		147.28
1/4		8.68		147.94
b.		8.67		147.95
1/4		8.35		148.27
Curb		9.50		147.12
E. line		9.94		146.68

25th. Street

	No. line of alley.			
E. line		10.87		145.75
Curb		9.60		147.02
1/4		9.57		147.05
C.		9.75		146.87
1/4		9.87		146.75
Curb		10.61		146.01
W. line		10.93		145.69
	So. line of alley.			
W. line		12.60		144.02
Curb		12.30		144.32
1/4		11.27		145.35
C.		11.40		145.22
1/4		11.64		144.98
Curb		12.40		144.22
E. line		12.70		143.92
T.P.	1.50	11.66	146.46	144.96

25th. Street.

	175 ft. So. of H.			
E. line		3.42	146.46	143.04
Curb		3.22		143.24
1/4		2.62		143.84
C.		2.62		143.84
1/4		2.43		144.03
Curb		3.22		143.24
W. line		3.60		142.86
	200 ft. So. of H.			
W. line		5.23		141.23
Curb		5.11		141.35
1/4		4.30		142.16
C.		4.70		141.76
1/4		4.62		141.84
Curb		5.35		141.11
E. line		5.40		141.06
	225 ft. So. of H.			
E. line		7.00		139.46

25th street

Curb		7.30		139.16
1/4		6.80		139.66
C.		6.95		139.51
1/4		6.28		140.18
Curb		6.65		139.81
W. line		6.45		140.01
	250 ft. So. of H.			
W. line		8.05		138.41
Curb		8.41		138.05
1/4		8.47		137.99
C.		9.16		137.30
1/4		8.87		137.59
Curb		8.95		137.51
E. line		8.95		137.51
	275 ft. So. of H.			
E. line		10.77		135.69
Curb		11.05		135.41
1/4		11.08		135.38

25th street

C.		11.27		135.19
1/4		10.87		135.59
Curb		10.57		135.89
W. line		10.05		136.41
T.P.	0.78	11.62	135.62	134.84
	No. line of S. 135.62			
W. line		1.93		133.69
Curb		2.64		132.98
1/4		2.38		133.24
C.		2.50		133.12
1/4		1.95		133.67
Curb		2.05		133.57
E. line		2.15		133.47
	Curb line No. side of S.			
E. line		3.52		132.10
Curb		3.42		132.20
1/4		3.30		132.32
C.		3.47		132.15

25th. street.

¼	4.07		131.55
Curb	4.14		131.48
W. line	5.10		130.52
Center line of I.			
W. line	6.10		129.52
Curb	5.70		129.92
¼	5.20		130.42
C.	5.12		130.50
¼	4.70		130.92
Curb	5.09		130.53
E. line	5.73		129.89
Curb line So. side of I.			
E. line	7.74		127.88
Curb	6.93		128.69
¼	6.30		129.32
C.	5.93		129.69
¼	6.40		129.22
Curb	6.80		128.82

25th. street.

W. line	6.95		128.67
So. line of I.			
W. line	7.63		127.99
Curb	7.50		128.12
¼	6.73		128.89
C.	6.80		128.82
¼	7.10		128.52
Curb	7.78		127.84
E. line	8.15		127.47
B.M.	8.27		127.35
B.M. S.W. 25th & I. =			127.433
	1.89	129.32	
25 ft. So. of I		129.32	
E. line	3.15		126.17
Curb	3.10		126.22
¼	2.60		126.72
C	2.47		126.85
¼	2.28		127.04

25th. St.

Curb	2.30	127.02
W. line	2.12	127.20
50 ft. So. of D		
W. line	3.68	125.64
Curb	4.28	125.04
1/4	3.95	125.37
C	4.10	125.22
1/4	4.12	125.20
Curb	4.90	124.42
E. line	5.00	124.32
75 ft. So. of D		
E line	6.75	122.57
Curb	6.52	122.80
1/4	6.05	123.27
Center	5.95	123.37
1/4	5.65	123.67
Curb	5.72	123.60
W. line	5.45	123.87

25th. St.

100 ft. So. of D		
W. line	7.78	122.04
Curb	7.45	121.87
1/4	7.40	121.92
C	7.80	121.52
1/4	7.40	121.92
Curb	8.30	121.02
E line	8.35	120.97
125 ft. So. of D		
E line	9.82	119.50
Curb	10.18	119.14
1/4	8.98	120.34
C	9.60	119.72
1/4	9.10	120.22
Curb	8.90	120.42
W. line	9.20	120.12
T. P.	10.90	118.42
1.84	120.26	

25th. St.

~~150 ft.~~

No line of Alley

120.26

W. line	1.40	118.86
Curb	1.00	119.26
1/4	1.32	118.94
C	1.40	118.86
1/4	1.22	119.04
Curb	1.90	118.36
E. line	1.62	118.64

So. line of Alley

E line	2.60	117.66
Curb	2.91	117.35
1/4	2.30	117.96
C	2.55	117.71
1/4	2.90	117.36
Curb	3.08	117.18
W line	2.93	117.33

25th. Street.

175 ft. So of D

W line	4.00	116.26
Curb	4.05	116.21
1/4	3.91	116.35
C	3.80	116.46
1/4	3.08	117.18
Curb	3.88	116.38
E line	3.40	116.86

200 ft. So. of D

E line	5.35	114.91
Curb	5.60	114.66
1/4	5.08	115.18
C	5.90	114.36
1/4	5.85	114.41
Curb	6.10	114.16
W line	6.42	113.84

225 ft. So of D

W line	8.58	111.68

25th. street

Curb		7.97		112.29
1/4		8.10		112.16
C		8.35		111.91
1/4		7.85		112.41
Curb		7.85		112.41
E line		7.15		113.11
	250 ft So of J			
E line		9.82		110.44
Curb		10.50		109.76
1/4		10.38		109.88
C		11.10		109.16
1/4		10.88		109.38
Curb		10.85		109.41
W line		11.42		108.84
T.P.		11.93		108.33
	2.01		110.34	

25th. street

	475 ft. So of J			
W line		3.45	110.34	106.89
Curb		3.28		107.06
1/4		3.20		107.14
C		4.45		105.89
1/4		4.02		106.32
Curb		3.22		107.12
E line		3.35		106.99
	No line of J			
E line		6.64		103.70
Curb		6.80		103.54
1/4		7.05		103.29
C		7.29		103.05
1/4		5.90 7.20	N	104.44 103.14
Curb		5.80 7.90	N	104.54 102.44
W line		5.75	N	104.59
		8.38		101.96
T.P.		10.17		100.17
	2.73		102.90	

25th. street

Curb No side J

W line	2.00	102.90	100.90
Curb	1.55		101.35
¼	0.65		102.25
C	0.77		102.13
¼	0.65		102.25
Curb	0.55		102.35
E line	0.78		102.12

Center line J

E line	2.55		100.35
Curb	2.21		100.69
¼	1.28		101.62
C	2.50		100.40
¼	2.00		100.90
Curb	2.28		100.62
W line	2.35		100.55

25th. street

Curb So side J

W line	4.21	98.69
Curb	3.82	99.08
¼	3.45	99.45
C	3.95	98.95
¼	3.38	99.52
Curb	3.35	99.55
E line	3.15	99.75

So line J

E line	4.83	98.13
Curb	5.20	97.70
¼	4.85	98.05
C	5.33	97.57
¼	4.82	98.08
Curb	5.05	97.85
W line	4.62	98.28

25th street

25 ft. So of J.

W line	7.28	95.62
Curb	7.56	95.40
1/4	7.25	95.65
C	7.80	95.10
1/4	7.25	95.75
Curb	7.00	95.90
E line	7.62	95.28

50 ft. So of J.

E line	9.20	93.70
Curb	9.15	93.75
1/4	9.35	93.55
C	9.21	93.69
1/4	8.93	93.97
Curb	9.38	93.52
W line	9.35	93.55

75 ft. So of J.

W line	11.80	92.10

25th street

Curb	10.18	92.72
1/4	11.00	91.90
C	11.11	91.78
1/4	10.92	91.98
Curb	10.69	92.21
E line	10.63	92.27
T.P.	11.20	91.70

1.06 92.76

100 ft So. of J.

E line	2.38 92.76	90.38
Curb	2.28	90.48
1/4	2.42	90.34
C	2.73	90.03
1/4	2.65	90.11
Curb	2.73	90.03
W. line	2.47	90.29

125 ft. So of J.

W line	4.85	87.91

25th street

Curb	4.83	87.93
1/4	5.00	87.76
C	4.25	88.51
1/4	3.62	89.14
Curb	3.62	89.14
E line	3.53	89.23
No line of Alley		
E line	4.68	88.08
Curb	4.58	88.18
1/4	4.65	88.11
C	5.38	87.38
1/4	5.62	87.14
Curb	5.90	86.86
W line	5.88	86.88
So. side of Alley		
W line	6.88	85.88
Curb	7.66	85.10
1/4	7.00	85.76

25th street.

C	6.73	86.03
1/4	6.15	86.61
Curb	6.12	86.64
E line	5.74	87.02
175 ft. So. of J		
E line	6.58	86.18
Curb	7.00	85.76
1/4	7.18	85.58
C	8.02	84.74
1/4	8.18	84.58
Curb	8.10	84.66
W line	7.95	84.81
200 ft. So. of J		
W line	9.52	83.24
Curb	9.70	83.06
1/4	9.38	83.38
C	9.25	83.51
1/4	8.80	83.96

25th Street

Curb		8.30		84.46
E line		7.82		84.94
T.P.		10.18		82.58
	1.87		84.45	
	225 So. of J			
E line		0.88	84.45	83.57
Curb		1.20		83.25
1/8		1.60		82.85
C		1.98		82.47
1/4		2.35		82.10
Curb		2.60		81.85
W line		2.20		82.25
	250 So. of J			
W line		3.74		80.71
Curb		4.00		80.45
1/4		3.41		81.04
C		2.92		81.53
1/4		3.00		81.45

25th Street

Curb		2.40		82.05
E line		2.00		82.45
	275 ft. So. of J			
E line		3.12		81.33
Curb		3.35		81.10
1/4		3.75		80.70
C		3.97		80.48
1/4		4.58		79.87
Curb		4.88		79.57
W line		4.62		79.83
	The line of K			
W line		5.50		78.95
Curb		6.12		78.33
1/4		5.83		78.62
C		4.98		79.47
1/4		4.50		79.95
Curb		4.65		79.80
E line		4.62		79.83

25th. Street.

Curb No side K

E line	5.08	79.37
Curb	5.10	79.35
1/4	4.65	79.80
C	5.51	78.94
1/4	6.45	78.00
Curb	6.45	78.00
W line	6.50	77.95

Center line K.

W line	7.40	77.05
Curb	7.45	77.20
1/4	7.40	77.05
C	7.12	77.33
1/4	6.92	77.73
Curb	6.40	78.05
E line	6.08	78.37

25th. Street,

Curb So side K

E line	6.75	77.70
Curb	7.15	77.30
1/4	7.60	76.85
C	7.95	76.50
1/4	8.20	76.25
Curb	8.12	76.33
W line	8.30	76.15

So line of K.

W line	8.58	75.87
Curb	8.50	75.95
1/4	8.55	75.90
C	8.18	76.27
1/4	7.87	76.58
Curb	7.48	76.97
E line	6.92	77.53

B.M. spike in Block on 8.88 75.57

S.W. on 25 + K = 75.505?

1.43 76.93

July 3rd 1901.

Cornwell
Kenestone
Williams

25th St.

	25 ft. So. of K.		
		76.93	
W line	2.10	76.93	74.83
Curb	1.75		75.18
1/4	1.78		75.15
Center	1.20		75.73
1/4	0.40		76.53
Curb	0.85		76.08
E line	0.65		76.28
	50 ft. So. of K.		
E line	1.28		75.65
Curb	1.55		75.38
1/4	2.02		74.91
C	2.15		74.78
1/4	2.60		74.33
Curb	2.68		74.25
W line	2.58		74.35
	75 ft. So of K.		
W line	3.40		73.53

25th Street.

Curb	3.60	73.33
1/4	3.52	73.41
C	2.88	74.05
1/4	2.75	74.18
Curb	2.25	74.68
E line	1.81	75.12
	100 ft. So of K	
E line	2.68	74.25
Curb	3.00	73.93
1/4	3.60	73.33
C	3.47	73.46
1/4	4.32	72.61
Curb	4.40	72.53
W line	4.00	72.93
	125 ft. So of K	
W line	4.90	72.03
Curb	5.18	71.75
1/4	5.37	71.56

25th. Street.

C	4.55	76.93	72.38
¼	3.53		73.40
Curb	3.90		73.03
E line	3.72		73.21
No side Alley			
E line	4.40		72.53
Curb	4.84		72.09
¼	5.30		71.63
C	5.50		71.43
¼	5.45		71.48
Curb	5.03		71.90
W line	4.43		72.50
So side Alley			
W line	5.45		71.48
Curb	5.55		71.38
¼	5.90		71.03
C	5.88		71.05
¼	5.32		71.61

25th. Street.

Curb	4.70	72.23
E line	4.58	72.35
175 ft. So of K		
E line	5.40	71.53
Curb	5.68	71.25
¼	6.40	70.53
C	6.45	70.48
¼	6.38	70.55
Curb	6.38	70.55
W line	6.00	70.93
200 ft So of K		
W line	6.65	70.28
Curb	6.90	70.03
¼	6.80	70.13
C	7.00	69.93
¼	6.40	70.53
Curb	6.25	70.68
E line	5.55	71.38

25th Street

225 So of K.

E line	6.68	70.25
Curb	6.68	70.25
1/4	6.75	70.18
C	7.68	69.25
3/4	7.08	69.85
Curb	6.80	70.13
W line	7.00	69.93

250 ft. So of K

W line	7.88	69.05
Curb	8.10	68.83
1/4	8.20	68.73
C	8.21	68.72
1/4	7.72	69.21
Curb	6.95	69.98
E line	7.40	69.53

275 ft. So of K

E line	7.95	68.98

25th Street

Curb	7.90	69.03
1/4	8.65	68.28
C	9.05	67.88
1/4	8.75	68.18
Curb	9.33	67.60
W line	8.90	68.03

No line of L

W line	9.30	67.63
Curb	9.70	67.23
1/4	9.43	67.50
C	9.80	67.13
1/4	9.48	67.45
Curb	8.90	68.03
E line	8.60	68.33

Gutter No side L

E line	8.95	67.98
Curb	9.78	67.15
1/4	9.30	67.63

25th. Street

C		9.85		67.08
1/4		9.85		67.08
Curb		10.40		66.53
W line		10.48		66.45
T. P.		9.75		67.18
	3.20		70.38	
Centre line of L				
W line		4.63	70.38	65.75
Curb		4.48		65.90
1/4		4.38		66.00
C		4.42		65.96
1/4		4.15		66.23
Curb		3.68		66.70
E line		3.42		66.96
Curb So side L				
E. line		3.92		66.46
Curb		4.45		65.93
1/4		4.63		65.75

25th Street,

C	5.03		65.35
1/4	4.70		65.68
Curb	5.30		65.08
W line	5.25		65.13
So line of L			
W line	6.05		64.33
Curb	5.88		64.50
1/4	5.05		65.33
C	5.77		64.61
1/4	5.30		65.08
Curb	5.00		65.38
E. line	4.08		66.30
25 ft So of L			
E line	4.83		65.55
Curb	5.25		65.13
1/4	5.80		64.58
C	6.40		63.98
1/4	7.15		63.23

25th. Street

Curb	7.30	63.08
W line	7.05	63.33
50 ft. So of L		
W line	7.12	63.26
Curb	6.80	63.58
1/4	6.75	63.63
C	6.00	64.38
1/4	4.05	66.33
Curb	3.72	66.66
E line	4.50	65.88
75 ft. So of L		
E line	3.10	67.28
Curb	3.62	66.76
1/4	4.10	66.28
C	5.47	64.91
1/4	5.78	64.60
Curb	6.00	64.38
W line	6.08	64.30

25th. Street.

100 ft. So of L		
W line	5.51	64.87
Curb	4.82	65.56
1/4	4.32	66.06
C	4.27	66.11
1/4	3.98	66.40
Curb	4.30	66.08
E line	3.25	67.13
125 ft. So of L		
E. line	2.95	67.43
Curb	3.82	66.56
1/4	4.10	66.28
C	4.30	66.08
1/4	4.70	65.68
Curb	3.88	66.50
W line	3.90	66.48

25th. Street

No Side of Alley

W line	4.53	65.85
Curb	4.40	65.98
1/4	5.08	65.30
C	4.80	65.58
1/4	4.65	65.73
Curb	4.25	66.13
E line	2.43	67.95

So side of Alley

E line	4.17	66.26
Curb	5.05	65.33
1/4	5.32	65.06
C	5.58	64.80
1/4	6.08	64.30
Curb	6.25	64.13
W line	6.43	63.95

25th. Street.

175 ft. So of L

W line	6.90	63.48
Curb	6.73	63.65
1/4	6.35	64.03
C	5.83	64.55
1/4	5.63	64.75
Curb	5.50	64.88
E line	5.30	65.08

200 ft. So of L

E line	5.87	64.51
Curb	6.00	64.38
1/4	6.08	64.30
C	6.27	64.11
1/4	6.55	63.83
Curb	7.00	63.38
W line	7.05	63.33

225 ft. So of L

W line	6.75	63.63

25th. Street

Curb	6.80	63.58
1/2	6.87	63.51
C	6.45	63.93
1/2	6.40	63.98
Curb	5.75	64.63
E line	5.08	65.30
250 ft. So of L		
E line	6.65	63.73
Curb	6.75	63.63
1/4	6.70	63.68
C	6.50	63.88
1/4	6.75	63.63
Curb	6.80	63.58
W line	7.00	63.38
275 ft. So of L		
W line	7.10	63.28
Curb	7.35	63.03
1/4	7.65	63.13

25th. Street.

C	6.95	63.43	
1/4	7.25	63.13	
Curb	7.00	63.38	
E line	6.87	63.51	
No Line of M			
E line	6.70	63.68	
Curb	7.30	63.08	
1/2	7.90	62.48	
C	8.20	62.18	
1/4	8.10	62.28	
Curb	7.83	62.55	
W line	8.00	62.38	
T.P.	7.96	B.M. N.W. Cor	62.42 62.45

July 5/1901 d'Hemecourt
Williams
Kennistan

25th. Street

T.P.	1.29		63.74	
	Curb, No. side of M.		63.74	
W. line		1.93		61.81
Curb		1.50		62.24
1/4		1.57		62.17
C.		1.96		61.78
1/4		1.75		61.99
Curb		0.83		62.91
E. line		0.10		63.64
	Center line of M.			
E. line		1.68		62.06
Curb		1.60		62.14
1/4		1.65		62.09
C.		1.87		61.87
1/4		2.04		61.70
Curb		2.10		61.64
W. line		2.24		61.50

25th. Street

	Curb line So. side of M.			
W. line		4.28		59.46
Curb		4.45		59.29
1/4		4.37		59.37
C.		3.65		60.09
1/4		1.95		61.79
Curb		1.47		62.27
E. line		1.67		62.07
	South line of M.			
E. line		2.05		61.69
Curb		2.77		60.97
1/4		3.40		60.34
C.		4.68		59.06
1/4		5.17		58.57
Curb		5.35		58.39
W. line		5.45		58.29
	25 ft. So. of M.			
W. line		6.73		57.01

25th. Street

Curb	6.33	57.41
1/4	5.86	57.88
b.	5.15	58.59
1/4	4.13	59.61
Curb	3.47	60.27
E. line	2.43	61.31
50 ft. So. of M.		
E. line	2.85	60.89
Curb	3.25	60.49
1/4	4.25	59.49
b.	5.05	58.69
1/4	5.93	57.81
Curb	6.77	56.97
W. line	7.30	56.44
75 ft. So. of M.		
W. line	7.43	56.31
Curb	6.88	56.86
1/4	6.20	57.54

25th. Street.

b.	4.97	58.77
1/4	3.93	59.81
Curb	3.65	60.09
E. line	3.34	60.40
100 ft. So. of M.		
E. line	4.05	59.69
Curb	4.05	59.69
1/4	3.47	60.27
b.	5.00	58.74
1/4	6.00	57.74
Curb	6.25	57.49
W. line	7.63	56.11
125 ft. So. of M.		
W. line	6.20	57.54
Curb	5.55	58.19
1/4	5.18	58.56
b.	5.13	58.61
1/4	4.74	59.00

25th. Street.

Curb	4.73	59.01
E. line	4.52	59.22
No. side of Alley		
E. line	4.63	59.11
Curb	4.85	58.89
1/4	4.92	58.82
C.	5.15	58.59
1/4	5.10	58.64
Curb	5.45	58.29
W. line	5.70	58.04
So. side of Alley.		
E. line	4.93	58.81
Curb	5.74	58.00
1/4	5.55	58.19
C.	5.53	58.21
1/4	5.29	58.45
Curb	5.23	58.51
E. line	5.21	58.53

25th. Street.

175 ft. So. of M.		
E. line	5.50	58.24
Curb	5.40	58.34
1/4	5.47	58.27
C.	5.77	57.97
~~Curb~~ 1/4	5.83	57.91
Curb	5.73	58.01
W. line	5.84	57.90
200 ft. So. of M.		
W. line	6.35	57.39
Curb	6.35	57.39
1/4	6.33	57.41
C.	6.30	57.44
1/4	6.10	57.64
Curb	6.02	57.72
E. line	5.87	57.87
225 ft. So. of M.		
E. line	6.60	57.14

25th. Street

Curb	6.07	57.67
1/4	6.40	57.34
C.	6.95	56.79
1/4	6.70	57.04
Curb	6.80	56.94
W. line	6.78	57.01
250 ft. So. of M.		
W. line	7.30	56.44
Curb	7.30	56.44
1/4	7.25	56.49
C.	7.57	56.17
1/4	7.30	56.44
Curb	7.20	56.54
E. line	7.00	56.74
275 ft. So. of M.		
E. line	7.64	56.10
Curb	7.93	55.81
1/4	7.93	55.81

25th. Street

C.	8.17	55.57
1/4	7.65	56.09
Curb	7.60	56.14
W. line	7.67	56.07
No. line of M.		
W. line	8.57	55.17
Curb	8.53	55.21
1/4	8.63	55.11
C.	8.87	54.87
1/4	8.87	54.87
Curb	8.80	54.94
E. line	8.83	54.91

M - st. Level to establish Grade line

July 26/1901 - { d'Heme court / Williams / Kenniston

	B.S.	F.S.	I.H.	E.
B.M. 25+M.	6.22		68.67	62.45
T.P.	4.49	4.84	68.32	63.83
B.M.	9.28	1.97	75.63	66.35
B.M.	5.89	2.36	79.16	73.27
	2588	9.17		
W line 28th				
+50				
1				
+50				
2				
+50				
3				
+50				
4				
+50				
5				

Rod N. side	Elev.	Rod Center	Elev.	Rod S. side	Elev.
Tel. Pole S.W. Cor. M + 27th. (New)					
" " W. line Fenn Tract. So. side M. (new)					
6.60	72.56	5.70	73.46	7.68	71.48
5.60	73.56	5.87	73.29	5.95	73.21
5.40	73.76	5.36	73.80	4.30	74.86
4.35	74.81	5.10	74.06	4.30	74.86
4.24	74.92	4.83	74.33	4.83	74.33
4.00	75.16	4.95	74.21	4.20	74.96
5.05	74.11	4.87	74.29	5.55	73.61
5.26	73.96	5.25	73.91	6.70	72.46
4.75	74.41	5.65	73.51	6.00	73.16
5.05	74.11	5.65	73.51	6.14	73.02
5.27	73.89	5.87	73.29	5.60	73.56

	B.S.	F.S.	H.I.	Elev
5+50			79.16	
6.				
+16 W. side of St.				
B.M.	5.11	7.40	76.87	71.76
Center Street				
Elm Street				
+50				
1				
+50				
2				
+50				
3				
+50				
4				
+50				
5				

N. side	Elev.	C.	Elev.	So. line	Elev
5.70	73.46	6.23	72.93	6.75	72.41
6.40	72.76	6.35	72.81	6.45	72.71
6.57	72.59	6.35	72.81	8.63	70.53
B.M. S.W. Cor. M + 29 - Tel. Pole - (new)					
4.57	72.30	4.47	72.40	6.14	70.73
4.35	72.52	4.52	72.35	6.20	70.67
4.58	72.29	4.60	72.27	5.87	71.00
5.27	71.60	5.07	7180	6.35	70.52
5.05	71.82	5.23	71.64	5.08	71.79
4.97	71.90	5.01	71.86	4.95	71.92
5.04	71.83	4.40	72.47	4.27	72.60
4.64	72.23	4.17	72.70	4.05	72.82
4.45	72.42	3.62	73.25	3.52	73.35
4.00	72.87	3.45	73.42	2.97	73.90
3.90	72.97	3.02	73.85	2.57	74.30
3.47	73.40	2.77	74.10	2.60	74.27

	B.S.	F.S.	I.H.	Elev
5+50			76.87	
W. line 30th				
T.P.	7.34	1.94	82.27	74.93
Center 30th				
E. line 30th				
+50				
1				
+50				
2				
+50				
3				
+50				
4				
+50				
5				
+50				

No. line	Elev.	C.	Elev.	So. line	Elev.
2.63	74.24	2.34	74.43	2.00	74.87
2.37	74.50	2.18	74.69	1.95	74.92
on B.M.	S.W. Cen.	M. + 30th.			
7.30	74.97	7.20	75.07	6.95	75.32
7.30	74.97	6.95	75.32	6.00	76.27
6.87	75.40	6.56	75.71	5.83	76.44
6.80	75.47	6.28	75.99	5.35	76.92
6.80	75.47	5.85	76.42	4.65	77.62
6.63	75.64	5.50	76.77	6.32	75.95
5.37	76.90	5.40	76.87	6.55	75.72
5.35	76.92	5.45	76.82	6.25	76.02
5.84	76.43	5.50	76.77	4.60	77.67
5.85	76.42	5.70	76.57	6.95	75.32
5.28	76.99	5.95	76.32	7.00	75.27
6.35	75.92	5.87	76.40	6.90	75.37
5.53	76.74	6.05	76.22	6.90	75.37

	B.S.	F.S.	H.I.	Elev
W. line 31st.			82.27	
B.M.	4.48	5.72	81.03	76.55
C. 31st.				
E. line 31st.				
+50				
1				
+50				
2				
+50				
3				
+50				
4				
+50				
5				
+50				
T.P.	6.35	7.01	80.37	74.02

No. line	Elev	C.	Elev.	So. line	Elev.
6.04	76.23	6.13	76.14	6.41	75.86
Tel. Pole	S.W. cor	M. + 31st.	(new B.M.)		
4.40	76.63	5.10	75.93	4.70	76.33
3.90	77.13	5.08	75.95	5.62	75.41
3.80	77.23	5.16	75.87	5.50	75.53
3.30	77.73	5.33	75.70	6.05	74.98
3.95	77.12	5.30	75.73	6.15	74.88
5.77	75.26	4.95	76.08	5.23	75.80
5.62	75.41	4.75	76.28	4.97	76.06
4.75	76.28	4.45	76.58	4.54	76.49
4.54	76.49	4.15	76.88	2.70	78.33
4.37	76.66	3.93	77.10	2.47	78.56
3.03	78.00	4.54	76.49	3.60	77.43
4.20	76.83	6.05	74.98	3.50	77.53
4.00	77.03	9.15	71.88	5.10	75.93
		~~7.01~~			

	B.S.	F.S.	I.H.	Elev.
			80.37	
W. line 32				
b.				
E line 32				
T.P.	5.95	11.47	74.85	68.90
b. 32				
E line 32				

No. line	Elev.	b.	Elev.	So. line	Elev.
4.00	76.37	11.05	69.32	5.55	74.82
3.25	77.12			5.83	74.54
5.30	75.07			6.13	74.24
		7.06	67.79		
		8.97	65.88		

	BS.	F.S.	I.H.	Elev	
9+M.	Spike in Brace Pole about 40' S.W. of S.W. Cor.				4.690
10+M.	N.W. Cor. spike in Tel. pole				8.25
11+M.	N.W. Cor. spike in Cor. post				5.981
12+M.	S.E. Cor. Copp. tack on window sill of house 2' S. of Cor.				4.995
13+M.	N.W. Cor. spike in fence post				1.188
14+M.	N.E. Cor. spike in Cor. of house				7.256

	M. line	Elev	G.	Elev	So. line	Elev.
8th+M.	N.E. Cor. Nozzle of Hydrant					6.15

B.S.	F.S.	I.H.	Elev

No. line	Elev.	C.	Elev	So. line	Elev.

Estimate of the Cost of Grading M. St. from 9th to 32d

July 30/1901 — d'Hemecourt, Kennington, Watson

BM N.W. Cor. 10th + M,			8.25
3.04		11.29	8.25
East line of 9th.			
Gutter S. side	6.33		4.96
1/4	5.95		5.34
C.	5.66		5.63
1/4	5.25		6.04
Gutter	5.11		6.18
N. line	4.93		6.36
25' East of 9th.			
N. line	4.93		6.36
Curb	5.20		6.09
1/4	5.51		5.78
C.	5.82		5.47
1/4	5.77		5.52
Gutter S. side	6.23		5.06

50 ft. East of 9th			
Gutter S. side	6.27	11.29	5.02
1/4	6.16		5.13
C.	5.59		5.70
1/4	5.27		6.02
Curb	5.25		6.04
No. line	4.07		7.22
75 ft. East of 9th			
No. line	4.60		6.69
Curb	4.76		6.53
1/4	5.28		6.01
C.	5.43		5.86
1/4	6.16		5.13
Gutter So. side	6.27		5.02
100 ft. East of 9th.			
Gutter S. side	6.10		5.19
1/4	6.07		5.22
C.	5.43		5.86

1/4	5.09	11.29	6.20
Curb	4.67		6.62
No. line	4.17		7.12
125 ft. East of 9th			
No. line	4.27		7.02
Curb	4.58		6.71
1/4	4.86		6.43
C.	5.24		6.05
1/4	5.80		5.49
Gutter S. side	6.05		5.24
150 ft. E. of 9th.			
Gutter S. side	6.05		5.24
1/4	5.74		5.55
C.	5.08		6.21
1/4	4.74		6.55
Curb	4.17		7.12
No. line	4.24		7.05

175 ft. E. of 9th.			
No. line	3.93	11.29	7.36
Curb	4.35		6.94
1/4	4.66		6.63
C.	4.98		6.31
1/4 Gutter So. side	5.71		5.58
	6.05		5.24
West line of 10th.			
Gutter So. side	5.74		5.55
1/4	5.55		5.74
C.	5.10		6.19
1/4	4.64		6.65
Curb	4.27		7.02
No. line	4.13		7.16
Curb line W. side 10th			
No. line	4.08		7.21
Curb	4.45		6.84
1/4	4.36		6.93

C.	4.58	11.29		6.71
1/4	5.05			6.24
Gutter	5.48			5.81
" So. line	5.65			5.64
Center of 10th,				~~6.16~~
So. line	5.13			6.16
Curb	4.64			6.65
1/4	4.47			6.82
C.	4.26			7.03
1/4	4.05			7.24
Curb	3.82			7.47
No. line	3.41			7.88
Curb line E. side of 10th				
No. line	4.27			7.02
Curb	4.05			7.24
1/4	4.23			7.06
C.	4.24			7.05
1/4	4.45			6.84

Curb	4.83	11.29		6.46
So. line	4.81			6.48
East line of 10th,				
So. line	5.21			6.08
Curb	4.68			6.61
1/4	4.57			6.72
C.	4.73			6.56
1/4	4.65			6.64
Curb	4.33			6.96
No. line	4.20			7.09
25 ft E. of 10th				
No. line	4.05			7.24
Curb	4.67			6.62
1/4	4.68			6.61
C.	4.90			6.39
1/4	4.66			6.63
Curb	4.67			6.62
So. line	4.57			6.72

50 ft. East of 10th

So. line	5.17	11.29		6.12
Curb	4.82			6.47
1/4	4.94			6.35
C.	4.95			6.34
1/4	4.90			6.39
Curb	4.92			6.37
No. line	4.17			7.12

75 ft. East of 10th.

No. line	4.13			7.16
Curb	5.15			6.14
1/4	4.97			6.32
C.	5.20			6.09
1/4	5.25			6.04
Curb	5.21			6.08
So. line	5.42			5.87

100 ft. East of 10th.

So. line	5.60			5.69

Curb	5.25	11.29		6.04
1/4	5.28			6.01
C.	5.44			5.85
1/4	5.07			6.22
Curb	5.26			6.03
No. line	4.62			6.67

125 ft. East of 10th

No. line	5.17			6.12
Curb	5.27			6.02
1/4	5.25			6.04
C.	5.57			5.72
1/4	5.43			5.86
Curb	5.33			5.96
So. line	5.53			5.76
T.P.	3.42	2.32	12.39	8.97

150 ft. East of 10th

So. line	6.75			5.64
Curb	6.74			5.65

1/4		6.56	12.39		5.83
b.		6.70			5.69
1/4		6.64			5.75
Curb		6.66			5.73
No. line		5.54			6.85
	175 ft. East of 10th.				
No. line		6.40			5.99
Curb		6.70			5.69
1/4		6.80			5.59
b.		6.92			5.47
1/4		6.64			5.75
Curb		6.75			5.64
So. line		6.80			5.59
	West line of 11th.				
So. line		6.63			5.76
Curb		6.60			5.79
1/4		6.75			5.64
b.		6.67			5.72

1/4		6.67	12.39		5.72
Curb		6.73			5.66
No. line		6.60			5.79
	Curb line West side of 11th.				
No. line		6.05			6.34
Curb		6.52			5.87
1/4		6.55			5.84
b.		6.55			5.84
1/4		6.80			5.59
Curb		7.10			5.29
So. line		6.64			5.75
	Center line of 11th				
So. line		6.61			5.78
Curb		6.63			5.76
1/4		6.53			5.86
b.		6.41			5.98
1/4		6.53			5.86
Curb		6.25			6.14

No. line	6.05	12.39	6.34
Cent line E. side of 11th,			
No. line	6.13		6.26
Curb	6.50		5.89
1/4	6.27		6.12
C.	6.23		6.16
1/4	6.67		5.72
Curb	6.80		5.59
So. line	6.80		5.59
East line of 11th,			
So. line	6.25		6.14
Curb	6.37		6.02
1/4	6.45		5.94
C.	6.28		6.11
1/4	6.50		5.89
Curb	6.45		5.94
No. line	5.84		6.55

25 ft. East of 11th			
No. line	5.87	12.39	6.52
Curb	5.93		6.46
1/4	6.24		6.15
C.	6.01		6.38
1/4	5.60		6.79
Curb	5.93		6.46
So. line	5.74		6.65
50 ft. East of 11th,			
So. line	5.33		7.06
Curb	5.25		7.14
1/4	5.27		7.12
C.	5.71		6.68
1/4	5.81		6.58
Curb	5.53		6.86
No. line	5.30		7.09
75 ft. East of 11th			
No. line	5.25		7.14

Curb		5.08	12.39		7.31
1/4		5.57			6.82
C.		5.20			7.19
1/4		5.00			7.39
Curb		5.00			7.39
So. line		5.00			7.39
	100 ft. East of 11th				
So. line		4.45			7.94
Curb		4.65			7.74
1/4		4.77			7.62
C.		4.81			7.58
1/4		5.18			7.21
Curb		4.64			7.75
No. line		4.93			7.46
	125 ft. East of 11th				
No. line		4.35			8.04
Curb		4.46			7.93
1/4		4.97			7.42

C.		4.63	12.39		7.76
1/4		4.37			8.02
Curb		4.50			7.89
So. line		4.60			7.79
	150 ft. East of 11th				
So. line		3.95			8.44
Curb		4.06			8.33
1/4		4.08			8.31
C.		4.43			7.96
C 1/4		4.80			7.59
Curb		4.12			8.27
No. line		4.20			8.19
	175 ft. East of 11th				
No. line		4.15			8.24
Curb		3.91			8.48
1/4		4.95			7.44
C.		4.17			8.22
1/4		4.20			8.19

Cent	4.33	12.39		8.06
So. line	4.45			7.94
196' E. ~~West line~~ of 11th,				
So. line	5.20			7.19
Cent	4.74			7.65
1/4	4.25			8.14
C.	4.36			8.03
1/4	6.46			5.93
Cent	4.73			7.66
No. line	4.57			7.82
West line of 12th				
So. line	7.40			4.99
Cent	6.55			5.84
1/4	6.43			5.96
C.	5.90			6.49
1/4	6.75			5.64
Cent	6.65			5.74
No. line	6.50			5.89

T.P.	1.16	5.38	8.17	7.01
Cent line West side of 12th				
So. line		4.28		3.89
Cent		4.38		3.79
1/4		4.08		4.09
C.		3.22		4.95
1/4		3.25		4.92
Cent		3.65		4.52
No. line		3.60		4.57
Center line of 12th				
No. line		3.45		4.72
Cent		3.50		4.67
1/4		4.05		4.12
C.		3.80		4.37
1/4		3.95		4.22
Cent		3.96		4.21
So. line		4.08		4.09

	Curb line E. side of 12th		
So. line	5.00	8.17	3.17
Curb	5.20		2.97
1/4	4.68		3.49
C.	4.47		3.70
1/4	4.72		3.45
Curb	5.20		2.97
No. line	4.85		3.32
	East line of 12th		
No. line	4.85		3.32
Curb	5.75		2.42
1/4	5.40		2.77
C.	5.32		2.85
1/4	5.15		3.02
Curb	5.50		2.67
So. line	5.60		2.57
	5' East of 12th		
So. line	7.75		0.42

Curb	6.60	8.17	1.57
5'	5.30		2.87
1/4	5.36		2.81
C.	5.40		2.77
1/4	5.45		2.72
5'	5.35		2.82
Curb	7.00		1.17
No. line	7.30		0.87
	25' East of 12th		
No. line	7.67		0.50
Curb	7.50		0.67
5'	5.23		2.94
1/4	5.83		2.34
C.	5.74		2.43
1/4	5.55		2.62
3'	5.50		2.67
Curb	6.95		1.22
3	8.20		-.03

So. line	8.47	8.17	-.30
50 ft. E. of 12th,			
So. line	8.25		-.08
4'	8.25		-.08
Cent	6.95		1.22
3'	5.55		2.62
1/4	5.70		2.47
C.	5.95		2.22
1/4	5.90		2.27
5'	5.50		2.67
Cent	8.28		-.11
No. line	8.37		-.20
75' E. of 12th,			
No. line	8.27		-.10
Cent	8.00		.17
4'	7.56		.61
3'	5.80		2.37
1/4	6.00		2.17

C.	5.85	8.17	2.32
1/4	5.60		2.57
5'	5.62		2.55
Cent	6.05		2.12
5'	7.57		.60
So. line	8.05		.12
100' E. of 12th,			
So. line	7.73		.44
Cent	7.35		.82
8'	5.30		2.87
1/4	5.30		2.87
C.	5.65		2.52
1/4	5.65		2.52
~~Cent~~ 4'	5.35		2.82
Cent	8.27		-.10
No. line	8.18		-.01
125 ft. E. of 12th			
No. line	8.05		.12

Curb		8.15	8.17		.02
4'		7.93			.24
4' 1/4		5.45			2.72
		5.65			2.52
b.		5.71			2.46
1/4		5.77			2.40
Curb		7.73			.44
So. line		7.73			.44
150 ft, East of 12th.					
So. line		7.77			.40
Curb		7.20			.97
1/4		6.83			1.34
b.		5.90			2.27
1/4		5.85			2.32
4'		5.87			2.30
5'		7.93			.24
Curb		7.70			.47
No. line		7.83			.34

175 ft, E. of 12th					
No. line		7.65	8.17		.52
Curb		7.65			.62
6'		7.35			.82
3'		6.00			2.17
1/4		5.75			2.42
b.		6.05			2.12
1/4		7.40			.77
Curb		7.60			.57
So line		7.57			.60
T.P.	4.94	5.27	7.84	2.90	
West line of 13th.					
So. line		6.90			.94
Curb		6.90			.94
1/4		6.62			1.22
b		5.87			1.97
1/4		5.50			2.34
5'		6.95			.89

Curb	7.15	7.84		.69
Wall line	7.20			.64

Curb line W. side of 13th

No. line	7.50			.34
Curb	7.30			.54
4'	7.00			.54
1/4	5.30			2.54
C.	5.57			2.27
1/4	6.70			1.14
Curb	6.80			1.04
So. line	6.85			1.01

11 ft. West of Center of 13th

So. line	6.50			1.34
Curb	6.77			1.07
1/4	6.27			1.57
C.	5.37			2.47
1/4	5.46			2.38
Curb	7.60			.24

No. line	7.8	7.84		.04

3' West of Center 13th St

Center of 13th St.

No. line	4.83			3.01
Curb	4.93			2.91
1/4	4.82			3.02
C.	4.77			3.07
1/4	4.88			2.96
Curb	4.97			2.87
So. line	5.02			2.82

3' E. of Center of 13th

7.84

15' West of E. Curb on 13th st.

So. line	5.33	2.51
Curb	6.00	1.84
1/4	6.13	1.71
C.	5.55	2.29
1/4	5.62	2.22
Curb	6.23	1.61
No. line	6.43	1.41

Curb line E. side of 13th

No. line	6.23	1.61

Curb	6.20	7.84	1.64
1/4	6.16		1.68
C.	6.15		1.69
1/4	6.10		1.74
Curb	6.20		1.64
So. line	5.95		1.89

East line of 13th. St.

So. line	6.10	1.74
Curb	5.95	1.89
1/4	6.12	1.72
C.	6.20	1.64
1/4	6.15	1.69
Curb	6.24	1.60
No. line	6.05	1.79

25 ft. E. of 13th.

No. line	5.65	2.19
Curb	5.18	2.66
1/4	5.52	2.32

b.	6.00	7.84	1.84
1/4	5.85		1.99
Curb	5.75		2.09
So. line	5.85		1.99
50 ft. E. of 13th.			
So. line	5.18		2.66
Curb	5.10		2.74
1/4	5.50		2.34
b.	5.30		2.54
1/4	4.80		3.04
Curb	5.05		2.79
No. line	4.83		3.01
75 ft. E. of 13th.			
No. line	4.33		3.51
Curb	4.45		3.39
1/4	4.60		3.24
b.	5.05		2.79
1/4	5.05		2.79

Curb	4.65	7.84	3.19
So. line	4.87		2.97
100 ft. East of 13th			
So. line	3.68		4.16
Curb	3.75		4.09
1/4	4.45		3.39
b.	4.82		3.02
1/4	4.12		3.72
Curb	4.00		3.84
No. line	3.66		4.18
125 ft. E. of 13th.			
No. line	3.43		4.41
Curb	3.50		4.34
1/4	3.60		4.24
b.	4.60		3.24
1/4	3.80		4.04
Curb	3.40		4.44
So. line	4.31		3.53

150 ft. East of 13th,

So. line	5.29	7.84	2.55
Curb	5.09		2.75
1/4	4.87		2.97
C.	4.85		3.01
1/4	4.30		3.54
Curb	3.73		4.11
No. line	3.13		4.71

175 ft. East of 13th

No. line	4.95		2.89
Curb	5.33		2.51
1/4	4.83		3.01
C.	5.45		2.39
1/4	5.83		2.01
Curb	5.54		2.30
So. line	4.70		3.14

~~200 ft.~~ W. line of 14th

So line	4.47		3.37

Curb	4.63	7.84	3.21
1/4	4.75		3.09
C.	5.00		2.84
1/4	4.90		2.94
Curb	6.10		1.74
No. line	4.37		3.47

Curb line W. side of 14th

No. line	5.43		2.41
Curb	4.00		3.84
1/4	3.95		3.89
C.	4.57		3.27
1/4	3.85		3.99
Curb	4.25		3.59
So. line	4.10		3.74

Center line of 14th.

So. line	2.80		5.04
Curb	3.10		4.74
1/4	3.07		4.77

b.		3.90	7.84		3.94
1/4		2.60			5.24
Curb		2.43			5.41
No. line		1.83			6.01
	Curb line E. side of 14th				5.54
No. line		2.30			5.54
Curb		2.45			5.39
1/4		2.92			4.92
b.		3.16			4.68
1/4		2.97			4.87
Curb		3.10			4.74
So. line		3.25			4.59
T.P.	3.75	1.05	10.54	6.79	
	E. line of 14th,				
So. line		5.32			5.22
Curb		5.56			4.98
1/4		5.40			5.14
b.		5.64			4.90

1/4		5.15	~~7.84~~ 10.54		5.39
Curb		5.25			5.29
No. line		5.00			5.54
	25 ft. E. of 14th,				
No. line		4.42			6.12
Curb		4.77			5.77
1/4		4.87			5.67
b.		5.20			5.34
1/4		5.05			5.49
Curb		5.18			5.36
So. line		4.90			5.64
	50 ft. E. of 14th				
So. line		4.85			5.69
Curb		5.33			5.21
1/4		5.15			5.39
b.		5.20			5.34
1/4		4.77			5.77
Curb		4.50			6.04

No. line	4.50	10.54	6.04
75 ft. ~~So.~~ of 14th			
No. line	4.70		5.84
Curb	4.90		5.64
1/4	5.35		5.19
C.	5.35		5.19
1/4	5.30		5.24
Curb	5.37		5.17
So. line	4.85		5.69
100 ~~75~~' ~~South~~ East of 14th.			
So. line	4.93		5.61
Curb	4.96		5.58
1/4	5.06		5.48
C.	5.06		5.48
1/4	4.88		5.66
Curb	4.93		5.61
No. line	4.92		5.62

125 ~~100~~' East of 14th.			
No. line	4.35	10.54	6.19
Curb	4.40		6.14
1/4	4.80		5.74
C.	5.05		5.49
1/4	4.95		5.59
Curb	4.75		5.79
So. line	4.73		5.81
150 ~~125~~' East of 14th			
So. line	4.80		5.74
Curb	4.57		5.97
1/4	4.87		5.67
C.	5.06		5.48
1/4	4.15		6.39
Curb	4.08		6.46
No. line	4.25		6.29
175 ~~150~~' E. of 14th.			
No. line	4.73		5.81

Curb		4.80	10.54		5.74
1/4		4.85			5.69
C.		5.17			5.37
1/4		5.15			5.39
Curb		4.93			5.61
So. line		5.07			5.47
	200 ~~175~~ ft. East of 14th.				
So. line		4.75			5.79
Curb		5.18			5.36
1/4		5.18			5.36
C.		5.07			5.47
1/4		4.82			5.72
Curb		4.80			5.74
No. line		4.72			5.82
T.P.		1.57		8.97	

Wednesday July 31st, 1901 —

d'Hemecourt Kennicton Watson					
T.P.	1.11		10.08	8.97	
	175' West of 15th.				
So. line		4.74			5.34
Curb		4.83			5.25
1/4		5.10			4.98
C		5.18			4.90
1/4		4.93			5.15
Curb		4.76			5.32
No. line		4.68			5.40
	150' W. of 15th.				
No. line		5.10			4.95
Curb		5.20			4.88
1/4		5.37			4.71
C.		5.47			4.61
1/4		5.20			4.88
Curb		5.43			4.65

So. line	5.35	10.08	4.73
125 ft. West of 15th,			
So. line	5.45		4.63
Curb	5.40		4.68
1/4	5.80		4.28
C.	5.54		4.54
1/4	5.47		4.61
C.	5.40		4.68
No. line	4.90		5.18
100 ft. West of 15th			
No. line	5.10		4.98
Curb	5.30		4.78
1/4	5.85		4.23
C.	5.77		4.31
1/4	5.68		4.40
Curb	5.77		4.31
So. line	5.83		4.25

75 ft. W. of 15th			
So. line	5.80	10:08	4.28
Curb	6.00		4.08
1/4	5.90		4.18
C.	5.93		4.15
1/4	6.09		3.99
Curb	5.45		4.63
No. line	5.14		4.94
50 ft. W. of 15th.			
No. line	4.67		5.41
Curb	4.83		5.25
1/4	5.77		4.31
C.	5.93		4.15
1/4	5.93		4.15
Curb	6.08		4.00
So. line	5.80		4.28
25 ft. W. of 15th			
So. line	6.11		3.97

Curb	6.13	10.08	3.95
1/4	5.87		4.21
b.	5.67		4.41
1/4	5.72		4.36
Curb	5.63		4.45
No. line	5.05		5.03
West line of 15th			
No. line	5.18		4.90
Curb	5.55		4.53
1/4	5.57		4.51
b.	5.77		4.31
1/4	5.88		4.20
Curb	6.15		3.93
So. line	6.25		3.83
Curb line W. side 15th			
So. line	6.10		3.98
Curb	6.17		3.91
1/4	5.84		4.24

b.	5.67	10.08	4.41
1/4	5.53		4.55
Curb	5.43		4.65
No. line	5.19		4.89
Center line of 15th			
No. line	4.55		5.53
Curb	4.82		5.26
1/4	5.22		5.86
b.	5.20		4.88
1/4	5.80		4.28
Curb	5.78		4.30
So. line	5.60		4.48
Curb line E. side of 15th			
So. line	5.63		4.45
Curb	5.63		4.45
1/4	5.48		4.60
b.	5.00		5.08
1/4	5.00		5.08

Curb	4.70	10.08	5.38
No. line	4.73		5.35
East line of 15th			
No. line	4.55		5.53
Curb	4.67		5.41
1/4	4.67		5.41
C.	4.90		5.18
1/4	5.10		4.98
Curb	5.60		4.48
So. line	5.60		4.48
25 ft. E. of 15th			
So. line	4.55		5.53
Curb	4.78		5.30
1/4	5.00		5.08
C.	4.60		5.48
1/4	4.35		5.73
Curb	4.27		5.81
No. line	3.83		6.25

50 ft. East of 15th			
No. line	3.85	10.08	6.23
Curb	3.51		6.57
1/4	3.83		6.25
C.	3.98		6.10
1/4	4.25		5.83
Curb	4.45		5.63
So. line	3.95		6.13
75 ft. East of 15th			
So. line	3.55		6.53
Curb	3.92		6.16
1/4	3.75		6.33
C.	3.53		6.55
1/4	3.00		7.08
Curb	3.13		6.95
No. line	2.70		7.38
100 ft. East of 15th			
No. line	1.40		8.68

Curb		1.82	10.08		8.26
1/4		2.32			7.76
C.		2.66			7.42
1/4		3.12			6.96
Curb		3.27			6.81
So. line		3.44			6.64
125 ft. E. of 15th					
So. line		1.80			8.28
Curb		2.20			7.88
1/4		2.10			7.98
C.		1.92			8.16
1/4		1.46			8.62
Curb		1.00			9.08
No. line		1.00			9.08
T.P.	10.92	0.20	20.80	9.88	
150 ft. E. of 15th					
No. line		10.15			10.65
Curb		9.60			11.20

1/4		10.50	20.80		10.30
C.		11.40			9.40
1/4		11.25			9.55
Curb		11.40			9.40
So. line		10.85			9.95
175' E. of 15th					
So. line		9.45			11.35
Curb		9.95			10.85
1/4		9.83			10.97
C.		9.46			11.34
1/4		8.77			12.03
Curb		7.88			12.92
No. line		7.95			12.85
West line of 16th.					
No. line		6.70			14.10
Curb		6.37			14.43
1/4		6.90			13.90
C.		7.10			13.70

1/4		7.80	20.80		13.00
Curb		7.40			13.40
So. line		7.40			13.40
B.M.	9.48	2.65	27.63	18.15	
↳ at S.E. Cor. 16th, + M. Nozzle Hydrant					
East line of 16th St,					
So. line		10.67			16.96
Curb		10.80			16.83
1/4		10.20			17.43
C.		10.84			16.79
1/4		9.83			17.80
Curb		10.50			17.13
No. line		10.50			17.13
5' East of 16th					
No. line		8.95			18.68
Curb		8.83			18.80
1/4		9.46			18.17
C.		10.15			17.48

1/4		8.35	27.63		19.28
Curb		8.57			19.06
So. line		9.37			18.26
25 ft. E. of 16th					
So. line		7.75			19.88
Curb		7.70			19.93
1/4		7.60			20.03
C.		7.85			19.78
1/4		7.63			20.00
Curb		7.45			20.18
No. line		7.67			19.96
50 ft. E. of 16th					
No. line		3.85			23.78
Curb		5.20			22.43
1/4		5.20			22.43
C.		4.97			22.66
1/4		4.85			22.78
Curb		4.50			23.10

So. line		4.40	27.63		23.23
T.P.	10.28	1.16	36.75	26.47	
75 ft. E. of 16th.					
So. line		9.25			27.50
Curb		9.07			27.68
1/4		8.97			27.78
C.		10.50			26.25
1/4		10.33			26.42
Curb		9.42			27.33
No. line		8.60			28.15
100 ft. E. of 16th.					
No. line		6.75			30.00
Curb		7.00			29.75
1/4		7.50			29.25
C.		6.85			29.90
1/4		6.88			29.87
Curb		7.20			29.55
So. line		7.30			29.45

125 ft. E. of 16th.					
So. line		6.17	36.75		30.58
Curb		6.20			30.55
1/4		6.05			30.70
C.		6.00			30.75
1/4		5.70			31.05
Curb		5.75			31.00
No. line		5.45			31.30
150 ft. E. 16th.					
No. line		4.20			32.55
Curb		4.30			32.45
1/4		4.65			32.10
C.		4.75			32.00
1/4		4.80			31.95
Curb		5.46			31.29
So. line		5.43			31.32
175 ft. E. of 16th.					
So. line		5.05			31.70

Curb		4.67	36.75		32.08
1/4		4.22			32.53
C.		3.75			33.00
1/4		3.43			33.32
Curb		3.42			33.32
No. line		2.87			33.88
West line of 17th,					
No. line		2.37			34.38
Curb		2.60			34.15
1/4		2.85			33.90
C.		3.05			33.70
1/4		3.63			33.12
Curb		4.13			32.62
So. line		4.40			32.35
T.P.	10.95	4.15	43.55	32.60	
Curb line W. side 17th					
So line		11.15			32.40
Curb		10.60			32.95

1/4		10.90	43.55		32.65
C		9.27			34.28
1/4		9.18			34.37
C		9.00			34.55
No line		8.80			34.75
Center of 17th					
No line		8.20			35.35
Curb		8.60			34.95
1/4		8.95			34.60
C		9.00			34.55
1/4		9.60			34.95
Curb		9.70			33.85
So line		10.30			33.25
Curb line East side 17th					
So line		9.18			33.37
Curb		8.95			34.60
1/4		8.65			34.90
C		8.15			35.40

W/H	7.95	43.55		36.60
Curb	7.82			35.73
No line	7.25			36.30
East line of 17th				
No line	6.90			36.65
Curb	7.30			36.25
W/H	7.45			36.10
C	7.35			36.20
W/H	8.15			35.40
Curb	8.35			35.20
So line	8.55			35.00
25 ft. East of 17th				
So line	7.53			36.02
Curb	7.00			36.55
W/H	7.25			36.30
C	6.93			36.62
W/H	6.65			36.90
Curb	6.60			36.95

No line	6.23	43.55		37.32
50 ft. East of 17th				
No line	5.55			38.00
Curb	6.25			37.30
W/H	6.20			37.35
C	6.18			37.37
W/H	6.52			37.03
Curb	6.50			37.05
So line	6.95			36.60
75 ft. East of 17th				
So line	7.10			36.45
Curb	6.53			37.02
W/H	6.02			37.53
C	5.60			37.95
W/H	5.80			37.75
Curb	5.78			37.77
No line	4.80			38.75

100 ft. East of 17th

No line	5.70	43.55		38.35
Curb	5.70			37.85
1/4	6.40			37.15
C	5.30			38.25
1/4	7.20			36.35
Curb	7.46			36.09
So line	7.95			36.60

125 ft. East of 17th

So line	7.50			36.05
Curb	7.00			36.55
1/4	6.85	Bar	Bar of Fill	36.70
C	3.80			39.75
10	6.40			37.15
1/4	6.50			37.05
Curb	6.30			37.20
No line	6.20			37.35

150 ft. East of 17th

No line	5.20	43.55	38.35
Curb	5.75		37.80
1/4	6.00		37.55
3	5.90		37.65
2.5	1.92		41.63
C	1.90		41.65
2.5	1.90		41.65
Top of slope 1/4	5.60		37.95
Curb	6.37		37.18
So line	6.40		37.15

175 ft. East of 17th

So line	5.65		37.90
Curb	5.42		38.13
1/4	5.30		38.25
2	5.10		38.45
2.5	1.00		42.55
C	1.00		42.55

		43.55		
2' N of C.	0.95			42.60
10' N of C	4.70			38.85
1/4	4.88			38.67
Curb	4.90			38.65
No line	4.30			39.25
	Next line of 18th			
No line	2.85			40.70
Curb	3.25			40.30
1/4	3.25			40.30
3'	3.20			40.35
2.5	0.0			43.55
C	0.0			43.55
2.5	0.0			43.55
10' S C.	3.75			39.80
1/4	3.75			39.80
Curb	4.20			39.35
So line	4.50			39.05

T.P.	10.60	0.56	53.59	42.99
	Curb	Next side of 18th		
So line		13.40		40.19
Curb		13.20		40.39
1/4		13.10		40.49
2'		13.00		40.59
2.5		9.30		44.29
C		9.48		44.11
2.5		9.50		44.09
10'		12.50		41.09
1/4		12.50		41.09
Curb		12.90		41.69
No line		12.00		41.59
	Center of 18th			
No line		9.40		44.19
Curb		10.15		43.44
1/4		11.25		42.34
10 C		11.10		42.49

2.5		8.35	53.59		45.24
C		8.35			45.24
2.5		8.35			45.24
1/4		11.35			42.24
Curb		11.45			42.14
So line		11.30			42.29
	Curb East side of 18th				
So line		9.55			44.04
Curb		10.15			43.44
1/4		9.90			43.89
5'		9.65			43.94
2.5		7.52			46.07
C		7.50			46.09
2.5		7.51			46.08
10'		9.60			43.99
1/4		8.20			45.39
Curb		8.90			44.69
No line		9.30			44.29

	East line of 18th				
No line		7.60	53.59		45.99
Curb		8.35			45.24
1/4		8.75			44.84
5'		9.00			44.59
2.5		7.00			46.59
C		7.04			46.55
2.5		7.10			46.49
5		8.70			44.89
1/4		8.90			44.69
Curb		9.15			44.44
So line		7.95			45.64
	25 ft. East of 18th				
So line		6.50			47.09
Curb		7.40			46.19
1/4		7.63			45.96
5		7.38			46.21
2.5		5.75			47.84
C		5.70			47.89

4 2.5	7.75	53.59		45.84
5'	6.80			46.79
1/4	6.80			46.79
Curb	6.80			46.79
No line	6.68			46.91
50 ft. East of 18th				
No line	5.60			47.99
Curb	5.78			47.81
1/4	5.65			47.94
C	5.50			48.09
1/4	6.00			47.59
Curb	5.60			47.99
So line	5.30			48.29
75 ft East of 18th				
So line	4.08			49.51
Curb	4.20			49.39
1/4	4.25			49.34
C	4.20			49.39

1/4	4.65	53.59		48.94
Curb	5.00			48.59
No line	4.65			48.94
100 ft. East of 18th				
No line	3.40			50.19
Curb	3.38			50.21
1/4	3.05			50.54
C	3.22			50.37
1/4	2.88			50.71
Curb	2.90			50.69
So line	2.85			50.74
125 ft. East of 18th				
So line	1.62			51.97
Curb	1.00			52.59
1/4	0.82			52.77
	0.90			52.69
8'	2.20			51.39
C	2.10			51.49
5'	1.85			51.74

C 9'		1.15	53.59		52.44
1/4		1.25			52.34
Curb		1.32			52.27
No line		1.85			51.74
T.P.	9.74	0.21	63.12	53.38	
150 ft. East of 18th					
No line		9.90			53.22
Curb		9.60			53.52
1/4		9.08			54.04
4'		9.25			53.87
5'		10.30			52.82
C		10.60			52.52
8'		10.70			52.42
1/4		9.10			54.02
Curb		9.22			53.90
So line		9.41			53.71

175 ft. East of 18th					
So line		8.08	63.12		55.04
Curb		7.45			55.67
1/4		7.80			55.32
5'		9.55			53.57
C		9.50			53.62
5'		9.30			53.82
9'		7.83			55.29
1/4		7.93			55.19
Curb		8.25			54.87
No line		8.32			54.80
West line of 19th					
No line		6.70			56.42
Curb		6.33			56.79
1/4		6.00			57.12
2'		6.16			56.96
5'		8.58			54.54
C		8.60			54.52
5		8.40			54.72

1/4	7.10	63.12		56.02
Curb	6.93			56.19
So line	6.50			56.62
Curb line West side 19th				
So line	5.50			57.62
Curb	6.10			57.02
1/4	5.60			57.52
5'	7.35			55.77
C	7.85			55.27
5'	7.50			55.62
10'	5.50			57.62
1/4	5.30			57.82
Curb	5.25			57.87
No line	5.38			57.74
Center line of 19th				
No line	3.35			59.77
Curb	3.30			57.62
1/4	3.38			59.74

9'	5.65	63.12		57.47
C	6.35			56.77
5'	6.20			56.92
1/4	4.45			58.67
2'	3.00			60.12
Curb	3.25			59.87
So line	4.10			59.02
18' E. of Center line 19th				
So line	3.60			59.52
Curb	3.00			60.12
1/4	2.50			60.62
3'	2.60			60.52
5	5.70			57.42
C	5.20			57.92
5'	5.05			58.07
1/4	4.82			60.30
Curb	2.48			60.64
No line	2.10			61.02

Curb East side 19th

No line		1.72	63.12		61.40
Curb		1.90			61.22
¼		2.50			60.62
C		3.30			59.82
¼		2.30			60.82
Curb		2.70			60.42
So line		3.40			59.72

East line of 19th.

So line		2.35			60.77
Curb		2.30			60.82
¼		1.40			61.72
C		2.20			60.92
¼		1.62			61.50
Curb		1.70			61.42
No line		1.12			62.00
T. P.	5.79	1.79	67.12	61.33	

25 ft. East of 19th.

No line		4.65	67.12		62.47
Curb		5.05			62.07
¼		5.15			61.97
C		5.37			61.75
7'		5.90			61.22
3'		4.20			62.92
¼		4.15			62.97
Curb		4.95			62.17
So line		5.50			61.62

50 ft. East of 19th

So line		5.20			61.92
Curb		3.95			63.17
¼		4.10			63.02
3'		3.70			63.42
6'		5.78			61.34
C		4.95			62.17
¼		5.00			62.12

Curb	4.75	67.12	62.37
No line	4.70		62.42
75 ft. East of 19th			
No line	4.50		62.62
Curb	4.75		62.37
1/4	4.70		62.42
C	4.72		62.40
5'	5.03		62.09
2'	3.43		63.69
1/4	3.95		63.17
Curb	4.48		62.64
So line	5.40		61.72
100 ft. East of 19th			
So line	6.20		60.92
Curb	4.92		62.20
1/4	4.70		62.42
3'	4.45		62.67
6'	5.95		61.17

C	5.75	67.12	61.37
1/4	5.10		62.02
Curb	4.70		62.42
No line	4.45		62.67
125 ft. East of 19th			
No line	5.15		61.97
Curb	5.20		61.92
1/4	5.55		61.57
C	6.43		60.69
6'	7.20		59.92
4'	5.15		61.97
1/4	5.67		61.45
Curb	5.90		61.22
So line	6.32		60.80
150 ft. East of 19th			
So line	7.10		60.02
Curb	6.40		60.72
1/4	6.35		60.77

9'	6.00	67.12	61.12
5'	8.37		58.75
C	7.95		59.17
1/4	6.55		60.57
Cenb	6.20		60.92
Solim	6.05		61.07
175 ft. East of 19th			
Solim	7.20		59.92
Cenb	7.55		59.57
1/4	7.78		59.34
C	8.45		58.67
6'	8.60		58.52
3'	7.10		60.02
1/4	7.45		59.67
Cenb	7.60		59.52
Solim	8.70		58.42

West line of 20th			
Solim	9.80	67.12	57.32
Cenb	9.20		57.92
1/4	9.22		57.90
C	9.08		58.04
1/4	9.18		57.94
Cenb	9.30		57.82
Solim	9.30		57.82
Cenb West side of 20th.			
Solim	9.50		57.62
Cenb	9.55		57.57
1/4	9.57		57.55
C	9.28		57.84
1/4	9.55		57.57
Cenb	10.00		57.12
Solim	10.70		56.42
Center line 20th			
Solim	10.00		57.12

Curb		9.65	67.12		57.47
1/4		9.38			57.74
C		9.75			57.37
1/2		9.67			57.45
Curb		9.28			57.84
No line		9.25			57.87
Curb East side of 20th					
No line		10.15			56.97
Curb		10.60			56.52
1/4		10.50			56.62
C		10.15			56.97
1/4		10.47			56.65
Curb		10.60			56.52
So line		11.10			56.02
East line of 20th					
So line		10.65			56.47
Curb		11.40			55.72
1/4		11.30			55.82

C		10.40	67.12		56.72
1/2		10.80			56.32
Curb		10.55			56.57
No line		9.75			57.37
T. P.	2.34	10.10	59.36	57.02	
10 ft East of 20th					
No line		5.05			54.31
Curb		4.18			55.18
3'		3.32			56.04
1/4		3.52			55.84
C		2.60			56.76
1/4		3.67			55.69
Curb		3.95			55.41
So line		3.25			56.11
25 ft East of 20th					
So line		3.58			55.78
Curb		4.05			55.31
1/4		4.35			55.01

6'	4.32	59.36	55.04
C	3.78		56.58
1/4	3.73		55.63
10'	3.50		55.86
Curb	5.10		54.26
Holm	5.38		53.98
45 ft East of 20th			
Holm	4.65		54.71
7'	5.15		54.21
Curb	3.62		55.74
1/4	3.80		55.56
C	2.95		56.41
2'	3.08		56.28
7'	5.58		53.78
1/4	5.35		54.01
Curb	4.35		55.01
Holm	4.32		55.04

50 ft East of 20th		
Holm	4.41	54.95
Curb	4.78	54.58
1/4	5.60	53.76
C	5.90	53.46
5'	5.45	53.91
8'	3.65	55.71
1/4	3.95	55.41
Curb	3.55	55.81
7'	4.80	54.56
Holm	4.02	55.34
55 ft East of 20th		
Holm	3.90	55.46
7'	4.60	54.76
Curb	3.58	55.78
1/4	3.85	55.51
4'	3.95	55.41
8'	6.05	53.31

C	6.40	59.36	52.96
¼	6.00		53.36
Curb	5.10		54.26
So line	4.45		54.91

57 ft East of 20th

So line	4.80		54.56
Curb	7.50 5.00		51.86 54.36
5'	7.20 5.00		52.16 54.36
¼	5.32		54.04
7'	5.78		53.58
C	3.15		56.21
2.5	3.40		56.16
6'	5.45		53.91
¼	3.72		55.64
Curb	3.70		55.66
7'	4.45		54.91
No line	3.72		55.64

65 ft. East of 20th

No line	3.50	59.36	55.86
7'	4.22		55.14
Curb	3.70		55.66
¼	3.75		55.61
7'	5.20		54.16
2.5	3.25		56.11
C	3.20		56.16
2.5	3.40		56.16
7'	5.40		53.96
¼	5.10		54.26
8'	4.80		54.56
Curb	9.60		49.76
3'	9.65 4.95		49.71 54.41
So line	5.80		53.56

75 ft East of 20th

So line	11.70		47.66
10'	11.60		47.76

Curb	10.70	59.36		48.66
5'	5.15			54.21
1/4	5.37			54.04
3'	5.95			53.41
2.5	3.25			56.11
C	3.22			56.14
2.5	3.20			56.16
5'	4.90			54.46
1/4	4.25			55.21
Curb	3.75			55.61
No line	3.10			56.21

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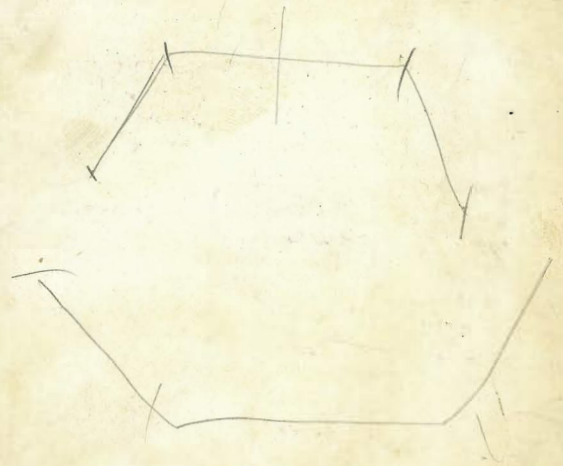

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Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

Minutes	Lks.	Minutes	Lks.	Minutes	Lks.
1	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅓
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

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TABLE FOR RUNNING ON SLOPES.

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

Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links
°		°		°		°	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07