

264

398

TRANSIT

F.B. 264

264

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

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

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

TABLE FOR RUNNING ON SLOPES.

MICROFILMED

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.

Dec 8 1964

Angle	COR. IN LINKS	Angle	COR. IN LINKS	Angle	COR. IN LINKS	Angle	COR. IN LINKS
0		0		0		0	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

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City Hall, San Diego, Cal.

FROM
Loring's Book Store

292.91 ✓
 287.5
 5.41
 287.68
 5.28
 287.11
 5.73
 287.77
 5.14
 287.36
 5.53
 287.80
 5.01
 297.54
 5.37
 289.04
 4.87
 287.72
 5.19
 288.17
 4.74
 287.90
 5.01
 289.31
 4.60
 288.08
 4.83
 288.44
 4.07
 288.20
 4.63

288.58
 4.33
 288.40
 4.47
 288.71
 4.2
 288.62
 4.29
 288.84
 4.07
 288.80
 4.11
 3.9

289
 287
 560 / 2.00
 280 / 1.00 (357) .36
 840
 1600
 1400
 2000
 560 / 1,500 (.26) 287.5 287.0
 1120
 3800
 3360
 4400
 .07
 1) 287.63 287.18
 2) 287.77 287.36 ✓
 3) 287.90 287.54
 4) 288.04 287.72 ✓
 5) 288.17 287.72 ✓
 6) 288.31 287.90
 7) 288.44 288.08 ✓
 8) 288.58 288.26
 9) 288.71 288.44 ✓
 10) 288.84 288.62
 288.805
 289.0
 289.0

X section 4th St.
University ave. to Washington

Jan 23, 1907
Heilds
Evans 2
Barber

POSTED 70' Street 20' sidewalk

J.P.	9.37	H.I. 292.91	* 283,54(B.N.)	
			North line University ave	
E. line			5.6	287.3
			5.6	287.3
			5.7	287.2
C			5.6	287.3
			5.5	287.4
			5.5	287.4
W. line			6.1	286.8
		25' N.		
W. line			5.9	287.0
			5.6	287.3
			5.4	287.5
C			5.8	287.1
			5.8	287.1
			5.7	287.2
E. line			5.0	287.9

			50' N.	
E. line			5.6	287.3
			5.7	287.2
			5.8	287.1
C			5.6	287.3
			5.9	287.0
			5.9	287.0
W. line			5.9	287.0
			75'	
W. line			5.5	287.4
			5.9	287.0
			5.9	287.0
C			5.8	287.1
			6.0	286.9
			5.6	287.3
E. line			5.6	287.3

		100' N		
E line			5.5	287.4
			5.3	287.6
			5.6	287.3
c			5.8	287.1
			5.9	287.0
			5.9	287.0
white			5.6	287.3
		125' N		
white			5.6	287.3
			5.7	287.2
			5.7	287.2
c			5.7	287.2
			5.2	287.7
			5.4	287.5
E line			5.3	287.6

		150' N		
E line			5.0	287.9
			5.3	287.6
			5.2	287.7
c			5.4	287.5
			5.1	287.8
			5.1	287.8
white			5.5	287.4
		175' N		
white			5.1	287.8
			5.4	287.5
			5.3	287.6
c			5.1	287.8
			4.8	288.1
			5.0	287.9
E line			4.6	288.3

	200' N		
E line		4.9	288.0
		4.9	288.0
		4.4	288.5
C		4.3	288.6
		4.7	288.2
		4.9	288.0
White		4.4	288.5
	225' N		
White		5.0	287.9
		4.9	288.0
		4.9	288.0
C		4.8	288.1
		4.7	288.2
		4.6	288.3
E line		4.6	288.3

	250' N		
E line		3.8	289.1
		4.4	288.5
		4.7	288.2
C		4.7	288.2
		4.7	288.2
		4.6	288.3
White		5.2	287.7
	275' N		
White		4.6	288.3
		4.7	288.2
		4.6	288.3
C		4.4	288.5
		4.4	288.5
		4.5	288.4
E line		4.4	288.5

300' N			
E line		4.2	288.7
		4.4	288.5
		4.1	288.8
c		4.6	288.3
		4.9	288.0
		5.0	287.9
White		5.0	287.9
325' N			
White		4.7	288.2
		4.6	288.3
		4.6	288.3
c		4.6	288.3
		4.3	288.6
		4.5	288.4
E line		3.4	289.0

350' N			
E line		3.3	289.6
		4.5	288.4
		3.9	289.0
c		3.7	289.2
		3.9	289.0
		4.0	288.9
White		4.8	288.1
375' N			
White		4.8	288.1
		4.5	288.4
		4.7	288.2
c		4.5	288.4
		4.5	288.4
		4.6	288.3
E line		4.3	288.6

400' N			450' N		
E line	4.2	288.7	E line	4.4	288.5
	4.2	288.7		4.3	288.6
	4.2	288.7		4.1	288.8
C	4.5	288.4	C	4.4	288.5
	4.5	288.4		4.2	288.7
	4.4	288.6		4.1	288.8
W line	4.6	288.3	W line	4.3	288.6
	4.25' N			4.75' N	
W line	4.8	288.2	W line	4.4	288.5
	4.6	288.3		4.4	288.5
	4.6	288.3		4.5	288.4
C	4.6	288.3	C	4.4	288.5
	4.1	288.8		4.3	289.6
	3.9	289.0		4.4	288.5
E line	4.2	288.7	E line	3.8	289.1

292,91

500' 91

Eline		3.9	289.0
		4.1	288.8
		3.7	289.2
C		4.1	288.8
		4.3	288.6
		4.4	288.5
White		3.9	289.0
	530' 91		
White		4.3	288.6
		3.6	289.3
		3.7	289.2
C		3.6	289.3
		3.8	289.1
		3.7	289.2
Eline	293.22	3.8	289.4
J.P.	4.66	^{HZ} 4.35	288.56

293,22

560' 91 (So. line Washington)

Eline		3.6	289.6
		4.1	289.1
		4.0	289.2
C		4.1	289.1
		3.8	289.4
		3.8	289.4
White		4.2	289.0
	0.30	296.01	287.71
	So. Ch. Washington		
E		6.5	289.5
U		6.8	289.2
"U		6.8	289.2
C		7.0	289.0
"U		6.9	289.1
U		7.0	289.0
W		7.1	288.9

7th 5th

296.01

Soth Wash

W	7.0	289.0
d	6.9	289.1
u	6.7	289.3
c	6.4	289.6
'u	6.4	289.6
u	6.7	289.3
E	6.4	289.6

Ctr Wash

E	6.4	289.6
d	6.5	289.5
'y	6.5	289.5
c	6.5	289.5
'u	6.7	289.3
u	6.6	289.4
W	6.9	289.1

8

Noth Wash

W	6.8	289.2
d	6.3	289.7
'u	6.7	289.3
c	6.4	289.6
'u	6.4	289.6
u	6.5	289.5
E	6.4	289.6

No Ctr Wash

E	6.4	289.6
d	5.7	290.3
'y	6.2	289.8
c	6.4	289.6
'y	6.4	289.6
u	6.7	289.3
W	6.8	289.2

N. Line Wash

W	6.8	289.2
cl	6.7	289.3
"	6.4	289.6
C	5.8	290.2
"	5.7	290.3
cl	6.3	289.7
E	6.0	290.0

40' No Wash - 600' So Lewis

E	5.4	290.6
cl	6.0	290.0
"	5.9	290.1
C	5.8	290.2
"	5.8	290.2
cl	5.8	290.2
N	6.0	290.0

550' So Lewis

W	5.6	290.4
cl	4.9	291.1
"	4.7	291.3
C	5.0	291.0
"	5.2	290.8
cl	5.1	290.9
E	5.1	290.9

530' So Lewis

E	4.6	291.4
cl	4.9	291.1
"	5.0	291.0
C	5.1	290.9
"	5.0	291.0
cl	5.0	291.0
W	4.3	291.7

4th St

500 So Lewis		
W	4.6	291.4
U	4.9	291.1
N	4.7	291.3
C	4.6	291.4
N	4.7	291.3
U	4.7	291.3
E	4.5	291.5

490 So Lewis		
E	3.8	292.2
U	4.2	291.8
N	4.5	291.5
C	4.5	291.5
N	4.7	291.3
U	4.8	291.2
W	4.5	291.5

10

450 So Lewis		
W	4.3	291.7
U	4.6	291.4
N	4.7	291.3
C	4.7	291.3
N	4.7	291.3
U	4.8	291.2
E	4.9	291.1

400 So Lewis		
E	4.4	291.6
U	4.3	291.7
N	4.2	291.8
C	4.0	292.0
N	4.1	291.9
U	4.2	291.8
W	4.1	291.9

350 So Lewis

W	4.4	291.6
U	4.2	291.8
N	4.0	291.6
C	4.0	292.0
N	4.9	291.2
U	4.9	291.1
E	4.9	291.1

300 So Lewis

E	5.4	290.6
U	4.9	291.1
N	4.8	291.2
C	4.7	291.3
N	4.6	291.9
U	4.8	291.2
W	4.7	291.3

250 So Lewis

W	4.7	291.3
U	4.9	291.1
N	4.9	291.1
C	5.1	290.9
N	5.1	290.9
U	5.6	290.4
E	6.5	289.5

200 So Lewis

E	7.5	288.5
U	6.7	289.3
N	6.5	289.5
C	5.8	290.2
N	5.2	290.8
U	5.1	290.9
W	5.1	290.9

		296.01	
	100' So Lewis		
W	7.9	288.1	
Cl	8.2	287.8	
1/4	8.4	287.6	
C	8.6	287.4	
1/4	8.8	287.2	
Cl	8.8	287.2	
E	8.2	287.6	

	115' So Lewis		
E	10.2	285.8	
Cl	9.7	286.3	
1/4	9.2	286.8	
C	8.5	287.5	
1/4	8.4	287.6	
Cl	8.6	287.4	
W	6.8	289.2	

	100' So Lewis		
W	7.6	288.4	
Cl	9.5	286.5	
1/4	9.6	286.4	
C	10.0	286.0	
1/4	10.0	286.0	
Cl	10.1	285.9	
E	10.6	285.4	

	50' So Lewis		
E	12.5	283.5	
Cl	12.0	284.0	
1/4	11.5	284.5	
C	11.2	284.8	
1/4	10.9	285.1	
Cl	10.4	285.6	
W	10.0	286.0	
	2.08	288.00	10.09
			285.92

POSTED

4th St

13

285.00

23⁵⁰ Lewis

W	2.1	285.9
Ch	3.0	285.0
N	3.4	284.6
C	3.8	284.2
W	4.2	283.8
Ch	4.8	283.2
E	10.1	277.9

5.4 Lewis

E	7.1	280.9
Ch	3.9	284.1
N	3.4	284.6
C	3.3	284.7
W	2.9	285.1
Ch	2.7	285.3
N	2.3	286.7

3d 54

29346

100 No. Vinu

E	9.1	284.4
U	8.6	283.9
W	10.2	283.3
C	9.8	283.7
W	8.9	284.6
U	9.8	283.7
W	16.1	277.4

110 No.

W	10.8	282.7
U	9.9	283.6
W	9.8	283.7
C	9.9	283.6
W	9.1	284.4
U	8.9	284.6
E	8.6	284.9

15

150 No.

E	7.9	285.6
U	8.6	284.9
W	8.9	284.6
C	9.0	284.5
W	8.6	284.9
U	8.3	285.2
W	8.1	285.4

200 No.

W	8.5	285.0
U	8.4	285.1
W	8.4	285.1
C	7.8	285.7
W	7.9	285.6
U	7.7	285.8
E	7.4	286.1

3^d 57.

16

	273.46		
	250' No		
E	7.5	286.0	
U	7.5	286.0	
"4	7.5	286.0	
C	7.3	286.2	
"4	7.7	285.8	
U	7.8	285.7	
"4	7.8	285.7	

275' No

W	7.3	286.2	
U	7.1	286.4	
"4	7.2	286.3	
C	7.2	286.3	
"4	7.3	286.2	
U	6.7	286.6	
E	6.6	286.9	

300' No Univ

E	7.2	286.3	
U	7.1	286.4	
"4	7.0	286.5	
C	7.0	286.5	
"4	7.2	286.3	
U	7.1	286.4	
W	6.9	286.6	

320' No Univ

W	5.8	287.7	
U	7.5	286.0	
"4	7.6	285.9	
C	5.9	287.6	
"4	6.0	287.15	
U	6.3	287.2	
E	7.3	286.2	

3^d 5+

01

350 No. 17111

E	7.2	286.3
U	5.8	287.7
1/4	6.1	287.4
C	7.0	286.5
1/4	7.7	286.8
U	7.9	285.6
W	8.1	285.4

400 No. 17111

W	6.9	286.6
U	6.0	287.5
1/4	6.7	286.8
C	7.2	286.3
1/4	7.5	286.0
U	7.8	285.7
E	7.4	286.1

17

425 No. 17111

E	5.2	288.3
U	6.6	286.9
1/4	7.3	286.2
C	7.3	286.2
1/4	7.0	286.5
U	6.4	287.1
W	6.9	286.6

450 No. 17111

W	6.2	287.3
U	6.5	287.0
1/4	6.5	287.0
C	6.6	286.9
1/4	6.8	286.7
U	6.9	286.6
E	6.7	286.8

3^d 5^t.

293.40

500 N^o

E	5.8	287.7
Cl	6.5	287.0
W	6.4	287.1
C	4.4	287.1
W	6.4	287.1
Cl	6.4	287.1
W	5.4	288.1

530 N^o

W	6.2	287.3
Cl	5.4	288.1
W	4.9	288.6
C	4.1	288.6
W	5.4	288.1
Cl	6.2	287.3
E	6.1	287.4

18

560 N^o S.L. Washington

E	5.7	287.8
Cl	6.2	287.3
W	6.1	287.4
C	6.0	287.5
W	6.1	287.4
Cl	6.1	287.4
W	6.0	287.5

B.M. H 06 S.E. 3^d of Washington 5.75 287.71

8.30 296.01

50 Cl Wash

E	8.5	287.5
Cl	8.5	287.5
W	8.7	287.3
C	8.6	287.4
W	8.6	287.4
Cl	8.6	287.4
No	8.2	287.8

296.0'

So. ~~W~~ Wash

W	6.9	289.1
Cl	8.4	287.6
"	8.5	287.5
U	8.7	287.3
"	8.5	287.5
Cl	8.0	288.0
E	8.1	287.9

Ctr Wash

E	7.2	288.8
Cl	7.2	288.8
"	7.8	289.2
C	8.4	287.6
"	8.6	287.4
Cl	8.1	287.9
W	6.2	289.8

No. ~~W~~ Wash

W	6.6	289.4
Cl	8.5	287.5
"	8.4	287.6
C	8.0	288.0
"	7.3	288.7
Cl	6.8	289.2
E	7.2	288.8

No. Cl-Wash

E	7.5	288.5
Cl	6.5	289.5
"	7.0	289.0
U	8.0	288.0
"	8.3	287.7
Cl	8.3	287.7
W	8.1	287.9

296.01

N₁ Line Wash

W	8.3	287.7
U	8.3	287.7
U	8.2	287.8
C	8.3	287.7
U	8.2	287.8
U	7.9	288.1
E	8.3	287.7

30 No Wash

E	6.5	289.5
U	7.8	288.2
U	7.8	288.2
C	7.5	288.5
U	7.6	288.4
U	7.5	288.5
W	6.5	289.5

50 No Wash

W	7.9	288.1
U	7.8	288.2
U	7.7	288.3
C	7.7	288.3
U	7.7	288.3
U	7.8	288.2
E	7.4	288.6

75 No Wash

E	7.3	288.7
U	7.7	288.3
U	7.7	288.3
C	7.6	288.4
U	7.7	288.3
U	7.6	288.4
W	5.5	290.5

100 No Wash		
W	7.1	288.9
U	7.7	288.3
W	7.6	288.4
C	7.4	288.6
W	7.1	288.9
U	7.1	288.9
E	7.5	288.5

130 No

E	6.2	289.8
U	7.2	288.8
W	7.4	288.6
C	7.0	289.0
W	6.7	289.3
U	7.0	289.0
W	7.5	288.5

150 No Wash

W	7.3	288.7
U	7.3	288.7
W	7.2	288.8
C	6.7	289.3
W	6.7	289.3
U	7.2	288.8
E	6.9	289.1

170 No Wash

E	7.2	288.8
U	6.6	289.4
W	5.7	290.3
C	5.2	290.8
W	5.1	290.9
U	6.1	289.9
W	7.3	288.7

	200 No		
W		7.2	288.8
U		7.3	288.7
1/4		7.2	288.8
C		7.2	288.8
1/4		7.1	288.9
U		7.1	288.9
E		6.8	289.2

	250 No		
W		5.3	290.7
U		5.3	290.7
1/4		6.1	289.9
C		7.0	289.0
1/4		7.0	289.0
U		7.0	289.0
E		6.8	290.2

	300 No		
W		7.3	288.7
U		6.7	289.3
1/4		6.4	288.6
C		6.3	289.7
1/4		5.9	290.1
U		5.3	290.7
E		5.8	290.2

	335 No		
E		5.7	290.1
U		6.1	289.9
1/4		6.2	289.8
C		6.4	289.6
1/4		6.8	289.2
U		6.6	289.4
W		4.4	291.6

350 No.

W	5.6	290.4
U	6.8	289.2
U	6.4	289.6
C	6.0	290.0
U	5.9	290.1
U	5.8	290.2
E	5.5	290.5

365 No.

E	4.5	291.5
U	5.3	290.7
U	5.8	290.2
C	6.0	290.0
U	6.4	289.6
U	6.7	289.3
U	6.6	289.4

400 No.

W	6.3	289.7
U	4.0	292.0
U	3.7	292.5
C	4.1	291.9
U	4.7	291.3
U	5.2	290.8
E	5.2	290.8

430 No.

E	3.7	292.3
U	3.1	290.9
U	5.2	290.8
C	5.2	290.8
U	5.0	291.0
U	5.1	290.9
U	5.8	290.2

3rd St.

450 No

W	4.1	291.9
U	3.9	292.1
1/4	4.9	291.1
C	4.8	291.2
1/4	4.8	291.2
U	4.7	291.3
E	4.5	291.5

480 No

E	4.2	291.8
U	4.0	292.0
1/4	4.3	291.7
C	4.6	291.4
1/4	4.8	291.2
U	4.8	291.2
W	4.9	291.1

296.0

24

500 No

W	3.4	292.6
U	4.5	291.5
1/4	4.3	291.7
C	2.9	293.1
1/4	2.5	293.5
U	2.6	293.4
E	3.8	292.2

550 No

E	1.1	294.9
U	2.5	293.5
1/4	3.4	292.6
C	3.8	292.2
1/4	3.9	292.1
U	3.9	292.1
W	4.1	291.9

500 No			
W.	3.6	292.4	J
U	3.2	292.8	
1/4	3.1	292.9	
C	3.0	293.0	
1/4	3.0	293.0	
U	3.1	292.9	
E	3.1	292.9	

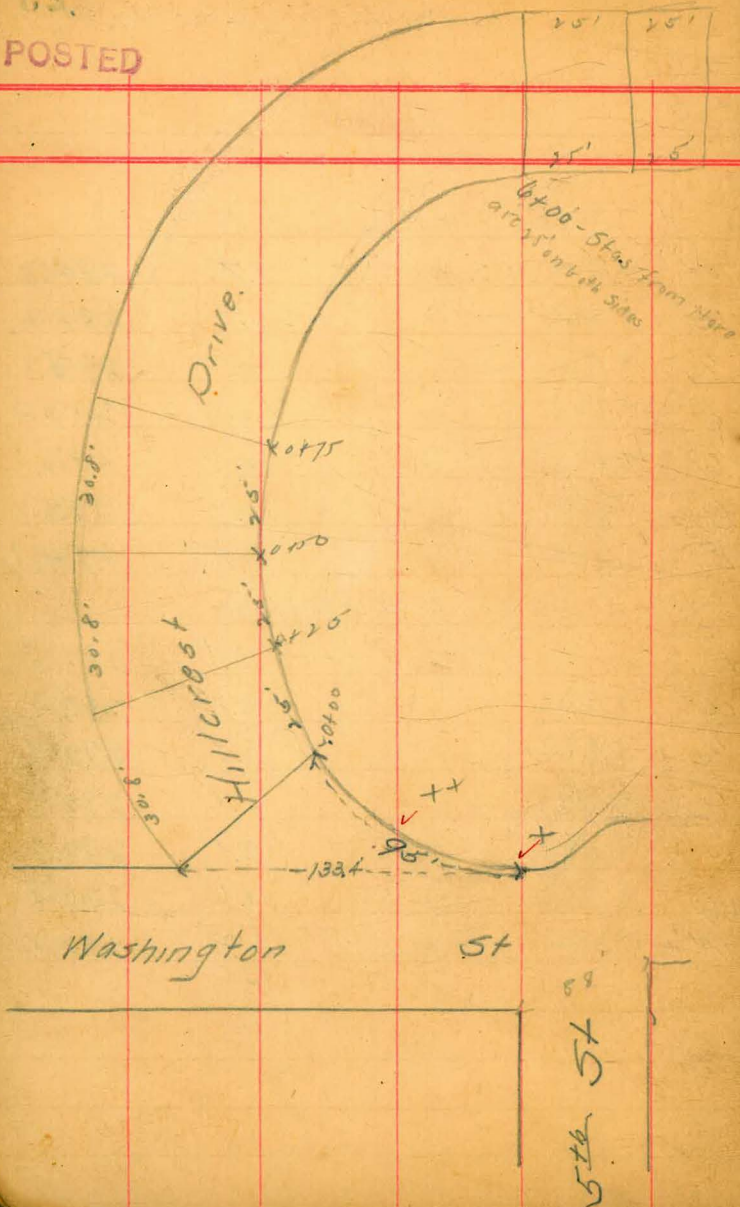
600 No			
E	1.5	294.5	
U	2.2	293.8	
1/4	2.7	293.3	
C	3.0	293.0	
1/4	3.0	293.0	
U	2.8	293.2	
W	3.4	292.6	

620 No			
W	1.7	294.3	
U	1.8	294.2	
1/4	2.9	293.1	
C	3.0	293.0	
1/4	2.9	293.1	
U	2.9	293.1	
E	1.7	294.1	

640 No. - S.L. Lewis			
E	3.4	292.6	
U	3.2	292.8	
1/4	3.1	292.9	
C	3.1	292.9	
1/4	3.1	292.9	
U	3.1	292.9	
W	3.2	292.8	

Cross-Section of Hillcrest Drive

POSTED



1/30
 07
 Sadam
 Phone
 Emery

10.23 292.77 283.54

N.L. Washington

W		4.0	289.8
Ch		4.9	288.9
N		5.9	287.9
C	+	7.0	286.4
W		8.6	285.2
Cl		9.8	284.0
E		10.1	283.7

N.L. Washington on West = 0175 on East = 0100 -

E		7.1	286.7
Cl		6.8	287.0
W		6.6	287.2
C		6.0	287.8
W	++	5.0	288.8
Cl		4.7	289.1
N		4.5	289.3
Bolt in Water gate		11.75	282.02

10.77 292.74

292.74 ✓

	0425		
W		3.6	287.1
CL		3.8	288.9
W		4.2	288.5
C		5.0	287.7
W		5.8	286.9
CL		6.3	286.4
E		6.7	286.1

	0450		
E		8.0	284.7
CL		7.3	285.4
W		6.7	286.0
C		5.9	286.8
W		5.3	287.4
CL		4.3	288.4
N		3.5	289.2

0475

W		3.2	289.5
CL		3.9	288.8
W		4.4	288.3
C		5.5	287.2
W		6.4	286.3
CL		7.0	285.7
E		8.0	284.7

1400

E		7.2	285.5
CL		6.3	286.4
W		5.6	287.1
C		4.8	287.8
W		4.0	288.7
CL		3.5	289.2
N		2.9	289.8

292.74

	1425		
W		3.6	289.1
Cl		4.4	288.3
W		5.0	287.7
C		5.4	287.3
W		5.9	286.8
Cl		6.2	286.5
E		7.0	285.7

	1450		
E		8.4	284.3
Cl		7.8	284.9
W		6.9	285.8
C		6.1	286.6
W		5.5	287.2
Cl		5.0	287.7
W		4.2	288.5

1475

W		5.6	287.1
Cl		6.2	286.5
W		7.0	285.7
C		7.5	285.2
W		8.0	284.7
Cl		8.8	283.9
E		8.4	284.3

2100

E		9.0	283.7
Cl		8.8	283.9
W		8.3	284.4
C		8.1	284.6
W		7.0	285.7
Cl		5.8	286.9
W		5.0	287.7

292.74

2+25		
W	6.8	285.9
d	7.7	285.0
nd	8.1	284.6
C	8.4	284.3
W	8.7	284.0
d	8.9	283.8
E	9.1	283.6

2+50		
E	8.5	283.9
d	8.6	284.1
W	8.3	284.4
C	8.2	284.5
W	8.2	284.5
d	8.1	284.6
W	7.7	285.0

2+75		
W	7.4	285.3
d	7.1	285.6
nd	7.1	285.6
C	7.5	285.2
W	7.9	284.8
d	8.7	284.0
E	9.1	283.6

3+00		
E	8.3	284.4
d	8.8	283.9
W	8.5	284.2
C	8.7	284.0
W	8.5	284.2
d	8.0	284.7
W	7.8	284.9

292.74

	3+25		
W		8.1	284.6
U		8.0	284.7
U		8.4	284.3
C		8.7	284.0
U		8.3	284.1
U		8.4	284.3
E		8.9	283.8

	3+50		
E		8.9	283.8
U		8.7	284.0
U		8.7	284.0
C		8.8	283.9
U		8.5	284.2
U		8.6	284.1
U		8.2	284.5

30

3+75

N.W		7.4	285.3
U		7.8	284.9
U		8.8	283.9
C		9.4	283.3
U		9.5	283.2
U		9.7	283.0
SE		9.2	283.5

4+00

SE		9.6	283.1
U		9.7	283.5
U		9.2	283.5
C		9.5	283.2
U		9.3	284.4
U		9.3	284.4
SW		8.4	284.4

29274

	4125		
N.W		9.2	283.5
CL		8.6	284.1
"4		8.6	284.3
C		8.2	284.5
"4		8.4	284.3
CL		9.3	288.4
S.E		10.0	282.7

	4150		
SE		9.2	283.5
CL		9.5	283.2
"4		9.8	282.9
C		9.7	283.0
"4		9.5	288.2
CL		9.4	282.3
NW		9.4	282.3

	4175		
N.W		8.6	283.9
CL		8.9	283.8
"4		8.8	283.9
C		7.8	284.9
"4		8.4	284.3
CL		8.5	284.2
SE		9.1	283.6

	5400		
SE		9.5	288.2
CL		9.4	283.3
"4		9.1	283.6
C	10	9.0	283.7
"4		8.9	283.8
CL		8.9	283.8
NW		7.7	284.0

292.74

N.W

U

N

C

N

U

S.E.

S

U

N

C

N

U

No

5725

Tad

5750

8.4 284.3

8.5 284.2

8.6 284.1

8.6 284.1

8.6 284.1

8.7 284.0

8.8 284.7

9.0 283.7

8.8 283.9

8.7 284.0

8.6 284.1

7.8 284.9

7.0 285.7

7.1 285.6

WLINE
st.

5775

No

U

N

C

N

U

So

So

U

N

C

N

db

No

8.1 284.6

8.3 284.4

8.5 284.2

8.6 284.1

8.7 284.0

8.7 284.0

8.5 284.2

8.5 284.2

8.9 283.8

8.8 283.9

7.2 285.5

6.6 286.1

7.0 285.7

7.7 284.8

6400

6

29274

	6+25		
No		7.2	285.5 ✓
U		7.9	284.8
14		P.1	284.6
C	5	P.2	284.5
14		P.3	284.4
U		P.4	284.3
8		P.5	284.2 ✓
	6+50		
So		P.1	284.6
U		P.1	284.6
14		7.8	284.9
C		7.7	285.0
14		7.6	285.1
U		7.7	285.0
No		7.8	284.9

33

	6+75		
		7.5	285.2
No		7.6	285.3
U		7.4	285.3
14		7.2	285.5
C	✓	7.4	285.3
14		7.2	285.5
U		7.9	284.8
So			
	71.00		
So		7.4	285.3
U		7.2	285.5
14		7.1	285.6
C		7.0	285.7
14	3	7.1	285.6
U		7.4	285.3
No		7.5	285.2

88 . POSTED

29274

34

7416 = W.L. 6th

N.	6.8	285.9
Et	6.4	286.3
SL	6.8	285.9
C	7.0	285.7
W	6.9	285.8
LT	7.2	285.5
SO	7.4	285.3

FINIS

Cross Section of Washington St
from W.L. 5th to W.L. 6th

POSTED

Note - 5th St is 88' wide on angle

	4.70	286.72		282.02
		W.L. 5 th		
So		2.4	284.3	
Ch		2.2	284.5	
"4		2.6	284.1	
C		2.9	283.8	
"4		3.2	283.5	
Ch		2.9	283.8	
No		3.1	283.6	
		W. Ch.		
No		3.6	283.1	
Ch		3.9	282.8	
"1		3.5	283.2	
C		3.2	283.5	
"4		3.3	283.4	
Ch		3.0	283.7	
So		2.4	284.3	

431

Jane
Thomas
Emery

35

	W-4		
So	3.2	283.5	
Ch	3.3	283.4	
"4	3.2	283.5	
C	3.3	283.4	
"4	3.9	282.8	
Ch	4.2	281.9	
No	5.6	281.1	
	Ctr		
No	7.3	279.4	
Ch	5.8	280.9	
"4	5.0	281.7	
C	4.2	282.5	
"4	4.0	282.7	
Ch	3.7	283.0	
So	3.5	283.2	

286.72

E 4		
S ₀	3.9	282.8
U	4.2	282.5
14	4.7	282.0
C	5.2	281.5
14	5.8	280.9
U	6.7	280.0
11.0	7.6	279.1

E U		
11.0	8.5	278.2
U	6.7	280.0
14	6.2	280.5
C	5.3	281.4
14	5.3	281.4
U	5.2	281.5
5.0	5.1	281.6

E line 5th

S ₀	5.2	281.5
U	5.0	281.7
14	4.8	281.9
C	4.9	281.8
14	6.3	280.4
U	7.1	279.6
11.0	7.6	279.1

25 E 5th

N ₀	5.9	280.8
U	5.3	281.4
14	5.2	281.5
C	5.7	281.0
14	5.6	281.1
U	4.8	281.9
S ₀	4.0	282.7

286.72

50 E 5th		
S.	5.0	281.7
Ch	5.2	281.5
114	5.4	281.3
C	5.2	281.5
114	5.0	281.7
Ch	5.7	281.6
N _o	5.4	281.3

75 E 5th		
N _o	6.0	280.7
Ch	5.1	281.6
114	4.8	281.9
C	4.5	282.2
114	4.8	281.9
Ch	4.5	282.2
S _o	4.8	281.9

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100 E 5th		
S.	4.6	282.1
Ch	4.6	282.1
114	5.1	281.6
C	5.6	281.1
114	5.8	280.9
Ch	6.4	280.3
N _o	7.1	279.6

125 E 5th		
N _o	8.0	278.7
Ch	6.7	280.0
114	6.0	280.7
C	5.8	280.9
114	5.7	281.0
Ch	5.1	281.6
S _o	4.8	281.9

150 E 6th

So	4.7	282.0
Ch	5.1	281.6
14	5.4	281.3
C	5.6	281.1
14	6.0	280.7
Ch	6.7	280.0
No	7.4	279.3

175 E 6th

No	5.9	280.8
Ch	5.7	281.0
14	6.2	280.5
C	6.1	280.6
14	5.7	281.0
Ch	5.2	281.5
So	4.9	281.8

200 E = W.L. 6th

So	4.5	282.3
Ch	4.7	282.0
14	5.5	281.2
C	5.5	281.2
14	5.5	281.2
Ch	5.1	281.6
No	5.4	281.3

Levels over Alley lot 112nd 5th in
Hill Crest

58

POSTED

	11.33	294.87 [✓]		283.54
0 = N.L. Univ.			6.1	288.8
+25			6.6	288.2
+50			6.8	288.1
+75			6.6	288.3
1			6.4	288.5
+25			6.2	288.7
+50			5.8	289.1
+75			6.1	288.8
2			5.3	289.6
+25			5.5	289.4
+50			5.1	289.8
+75			4.8	290.1
3			4.9	290.0
+25			3.9	291.0
+50			4.5	290.4
+75			5.0	289.9
4			4.4	290.5
+10			4.5	290.4
+25			3.3	291.6
+32			4.3	290.6

39

				+50	4.4	290.5
				+75	4.9	290.0
			5		4.5	290.4
				+25	4.3	290.6
				+40	3.4	291.5
				+60 = S.L. Washington	4.6	290.3
				+90 = C.H.	4.7	290.2
				+120 = N.L. " = 0+00	4.6	290.3
				+25	5.5	289.4
				+50	6.5	288.4
				+75	7.1	287.8
			1		7.3	287.6
				+25	7.0	287.3
				+50	7.7	287.2
				+75	8.4	286.5
			2		9.3	285.6
				T.P. 3.36 288.56 [✓]	9.37	285.5 [✓]
				+25	3.8	285.1
				+50	4.0	284.9
				+75	4.2	284.7
			3		4.0	284.9

		288.86		
3	+25		3.6	285.3
	+50		3.6	285.3
	+75		3.1	285.8
4			2.7	286.2
	+25		3.3	285.6
	+50		3.2	285.7
	+75		3.9	285.0
5	+90		3.5	285.4
			2.5	286.4
	+25		3.7	285.2
	+50		4.8	284.1
	+75		5.3	283.6
6			4.9	284.0
	+25		10.4	278.5
	+40	S.L. Lewis	1.48	274.1
		10.13	296.06	280.93 /

Levels over Alley between 4th
 10 Hill crest

POSTED

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Station	Offset	Reading	Height	Station	Offset	Reading	Height
			296.06				
0-S.L. Lewis		4.8	291.2	5		6.4	289.6
+25		4.7	291.3	+25		6.0	290.0
+50		4.4	291.6	+50		7.0	289.0
+75		4.4	291.6	+75		7.2	288.8
1		5.3	290.7	6		7.2	288.8
+25		5.4	290.6	+40-N.L. Washington		7.5	288.5
+50		4.3	291.7	+70-ctr "		8.1	287.9
+75		4.4	291.6	7+00-S.L. " = 0+00		8.2	287.8
2		4.1	291.9	+25 2.55 290.25		7.76	288.30
+25		4.1	291.9	+25		3.3	287.6
+50		4.0	292.0	+50		3.4	287.5
+75		4.1	291.9	+75		2.4	288.5
3		4.1	291.9	1		3.3	287.6
+25		4.1	291.9	+25		3.2	287.7
+50		4.2	291.8	+50		2.6	288.4
+75		5.1	290.9	+75		3.6	287.3
+00		4.6	291.4	✓		3.6	287.3
4		4.2	291.8	+25		3.6	287.3
+25		5.3	290.7	+50		3.5	287.4
+50		5.9	290.1	+07		2.5	288.4
+75		5.0	291.0	+75		4.0	286.9
				3		4.1	286.8

	296.85		
3 + 25		3.8	287.1
+ 50		3.9	287.0
+ 75		4.1	286.8
↓		4.4	286.5
+ 25		4.4	286.5
+ 50		4.4	286.5
+ 75		4.6	286.3
5		4.9	286.0
+ 25		4.6	286.3
+ 60 - N.L. Univ.		4.9	286.0

Levels over Alley lot 1st & 2nd
in Hillcrest. (3rd & 2nd)?

43

POSTED

		29085 ✓		
0 = N.L. Univ.			7.9	283.0
+25			8.1	282.8
+50			9.5	281.4
T.P.	3.78	282.59	12.04	278.81
+75			5.5	277.1
1			11.5	271.1
+03			13.8	268.8
+75			5.8	276.8
+50			0.9	281.7
T.P.	6.90	288.61	0.85	281.71
+75			6.2	282.4
2			5.8	282.8
+15			5.3	283.3
+50			5.5	283.1
+75			3.8	284.8
3			4.7	283.9
+25			4.8	283.8
+50			4.9	283.7
+75			4.7	283.9
+90			6.2	282.4
+400			9.1	279.5

4+12			11.7	276.9
+25			10.2	278.4
+50			5.4	283.2
+75			4.6	284.0
5			4.6	284.0
+25			3.4	285.2
+60 = S.L. Washington			3.2	285.4
+90 CH "			3.0	285.6
6+20 N.L. " = 0+00			2.3	286.3
T.P.	8.04	294.66	1.99	286.62 ✓
+25			7.7	287.0
+50			7.8	286.9
+75			6.5	288.2
1+00			7.6	287.1
+25			6.8	287.9
+50			5.4	289.3
+75			6.3	288.4
+200			5.9	288.9

	294.66		
2125		5.9	288.8
+50		3.7	290.0
+75		4.5	290.2
3		5.6	289.3
+25		5.2	289.5
+50		5.6	289.7
+75		5.0	289.7
4		3.9	290.8
+25		3.1	291.6
+50		3.1	291.6
+75		3.6	291.1
5		3.1	291.6
+25		3.3	291.4
+50		3.3	291.4
+75		2.8	291.9
6		2.9	291.8
+40		3.0	291.7

POSTED Sewer levels in 5th from 44
300' So. Washington to M.H. at University
ave.

	H.I.		
9.91	293.45		293.54 B.M.
		H.I. Rod	Elev
300' So Washington M.H.*	293.45	3.5	
350' "		2.9	
400' "		3.5	
450' "		3.1	
500' "		4.0	
550' "		3.4	
559.3 N M.H.		3.4	

Sewer levels from a point in
alley bet 4th + 5th 60' N. Washington
to center of South line Washington
So. line

	H.I.		
	293.45		
		H.I. Rod	Elev
So. line Washington M.H.*	10.1		283.4
50' " "	9.5		284.0
100' " "	8.4		285.1
150' " "	6.7		286.8
200' " "	5.8		287.7
228' " "M.H.	5.5		288.0

Childs

2/9/07.

Sewer line from Center of 5th St
305 ft South of Washington to
Center of Block 1 Northside Add
and South to University Ave

0+00	294.05	4.8	289.3
+40		6.7	287.4
+65		9.3	284.8
+90		10.1	284.0
1+40		11.0	283.1
+90		11.1	283.0
2+40		10.2	283.9
+65		9.9	284.2
+90		8.9	285.2
3+05		9.9	284.2
3+40		9.1	285.0
+90		7.5	286.6
4+30		7.1	287.0

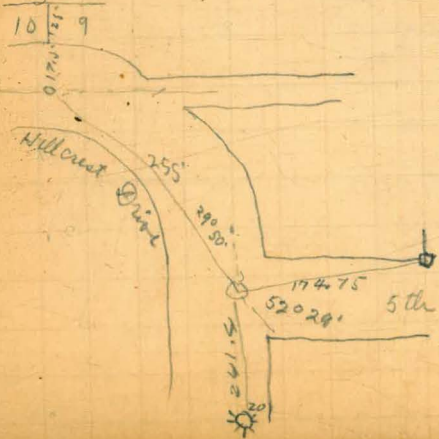
POSTED

45

Sewer line on Hillcrest Drive.

289.73

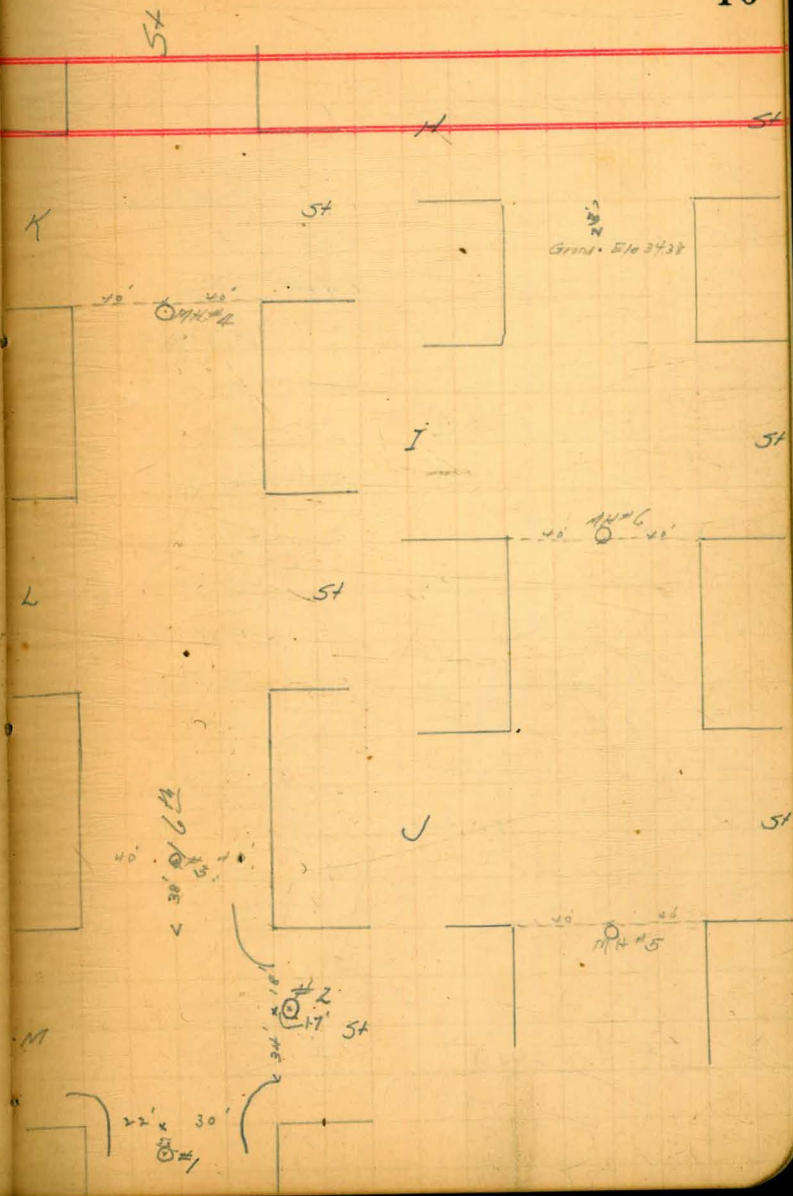
0+00	5.1	284.6
+50	4.9	284.8
1+00	5.7	284.0
+50	6.5	283.2
2+00	6.7	283.0
+55 M.H.	6.1	283.6
3+00	5.9	283.8
+50	5.8	283.9
4+00	5.8	283.9
+50	4.7	285.0
+96.4 FT.	4.2	285.8



Elevations of Man Holes on 76th St - Mt. St.

Plans - Survey Coll. 1917

No.			
M.H. #1	3.19	20.67	17.48 BM NE 164 M
" #2			5.76 14.91
" #3	3.59	21.06	3.75 16.92
M.H. #4	2.23	31.14	4.62 16.44
M.H. #5	3.59	33.37	28.91 BM NE 144 M
M.H. #6	3.11	34.58	4.20 26.94
	3.79	39.61	29.98 BM NE 144 M
Top ground 23' 30" of S.L.M. - CM 160.		5.23	28.27
			31.47 BM NE 144 M
			5.12 29.46
			35.82 BM SE 144 M
			5.23 34.38

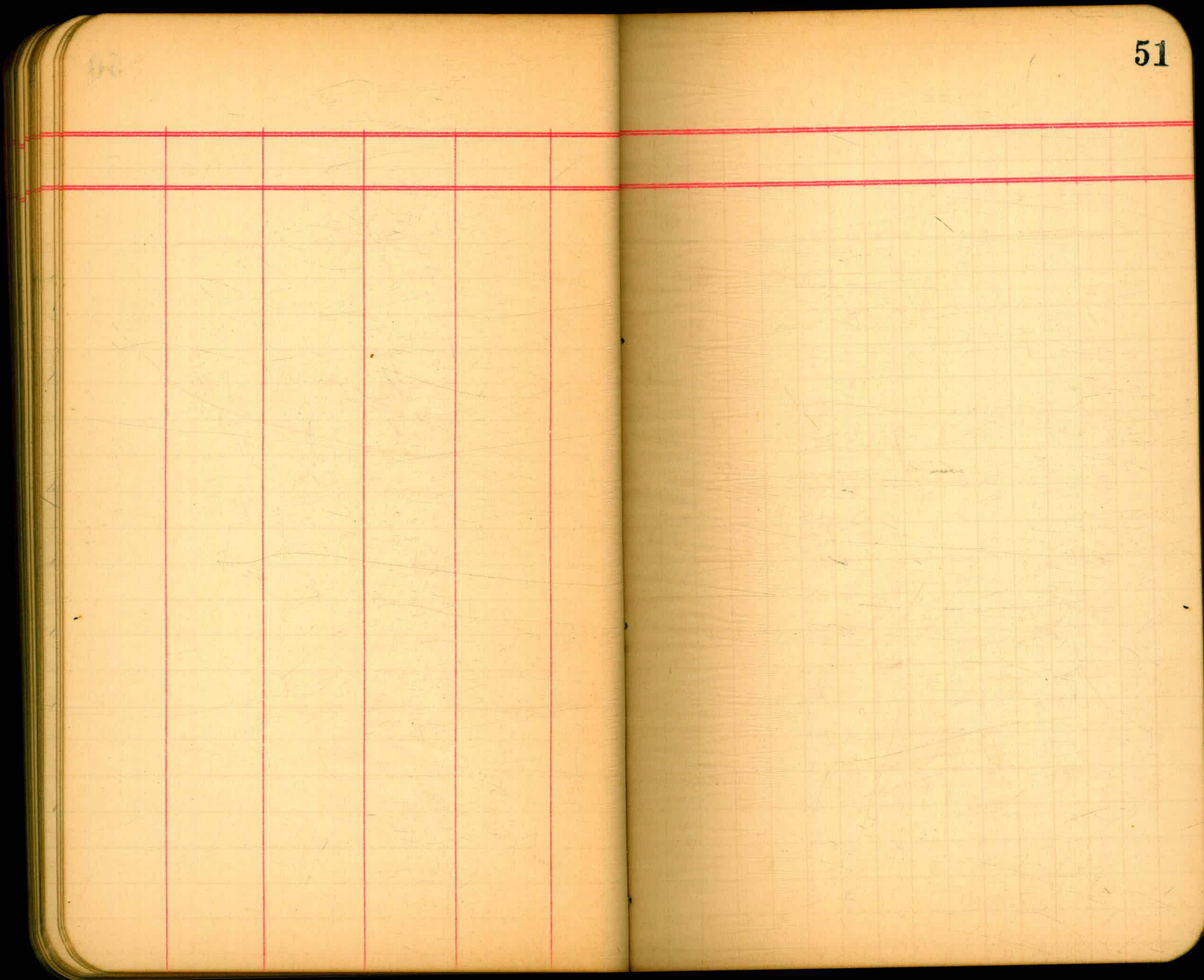


Elevations at Top of Man Holes in 7th. Kth Cth

	7.76	16.08		132 BM Hyd. SE 1/4
M.H. S.L. K-2.5' W 1/4 CH 7 th .			5.77	10.31
" " J " " "			6.44	14.64
	3.76	30.29		27.03 SW. Cor Prices St.
" " I " " "			10.70	19.59
" 4.5' S. of S.L. N th St - CH 7 th .			4.68	25.61
T.P.	10.68	40.41	0.56	29.73
M.H. S.L. G th CH 7 th .			6.03	34.38
T.P.	7.96	47.20	1.17	39.24
M.H. S.L. F th CH 7 th .			7.40	39.80
" " E " "			2.70	41.50
T.P.	12.00	56.51	2.69	44.51
M.H. CH 7 th - 3.5' S. of S.L. D th St			3.86	52.65
BM Hyd. SW 1/4 D.	9.25	63.06	1.77	54.74 ✓ 54.01
M.H. S.L. C th CH 7 th .			4.79	58.27
" " B " "			3.14	59.92

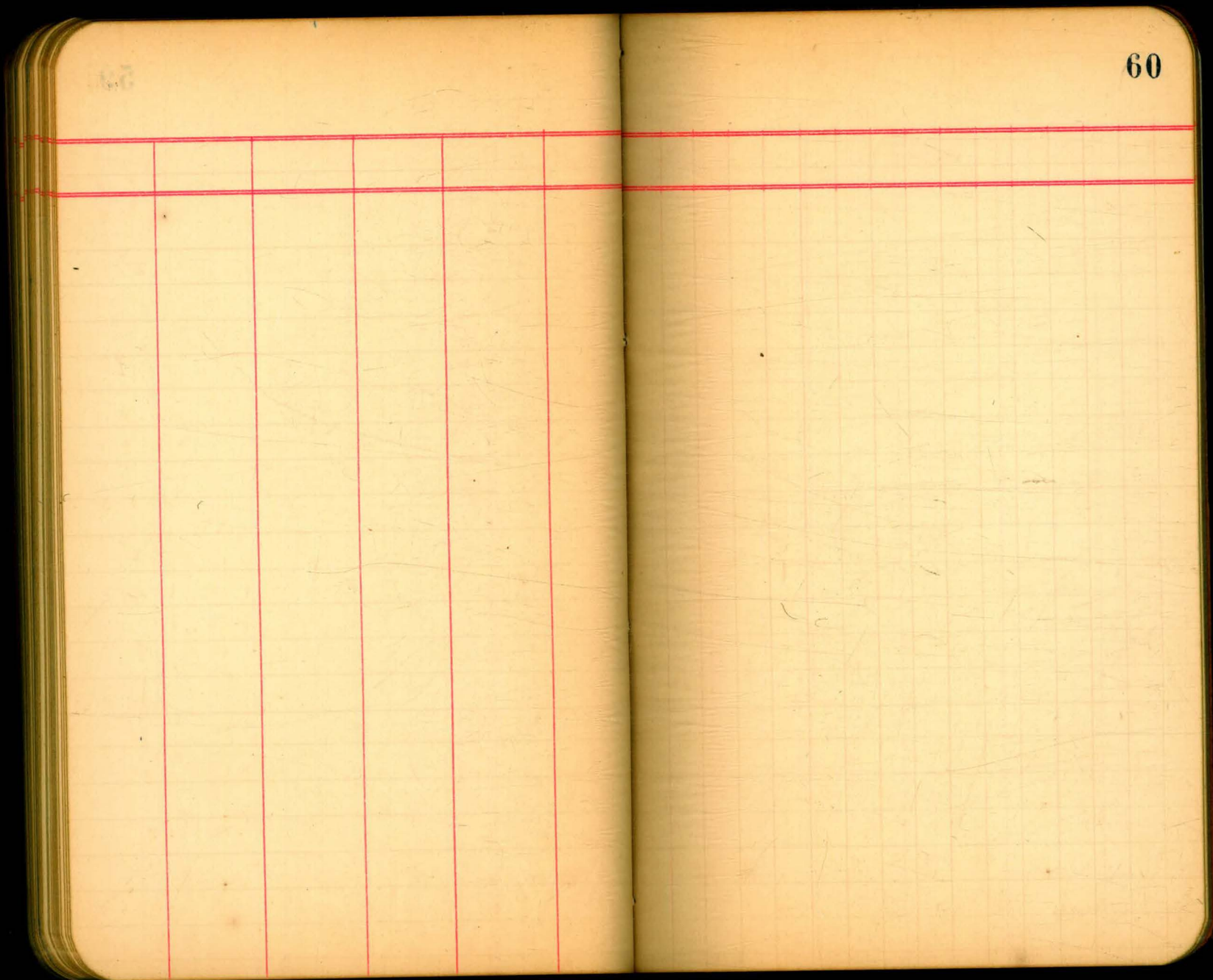
Elevations of Tops of Map Holes on 3^d St. B+K.

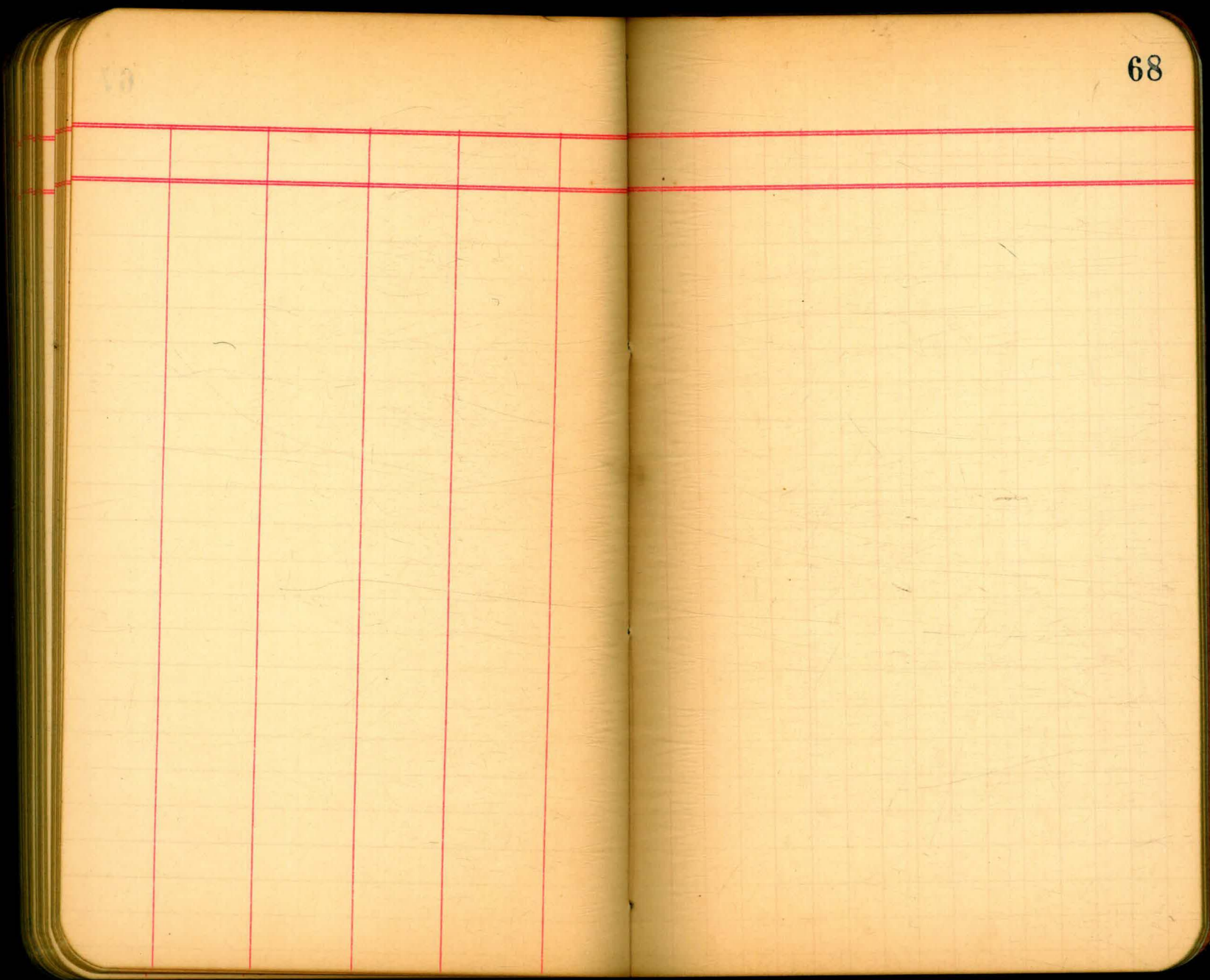
		141.		
	2.69	47.79		45.10 Hyd. S.E. 3 ^d C.
M.H. 3 ^d B-C			375	44.04
" " " C "			534	42.45
	8.32	42.88		34.56 Hyd. Hydr. S.E. 3 ^d E.
M.H. 3 ^d 4 L.D. 5 ^t from West.			389	38.99
" " " S.L.E "			18.96	31.94
	1.85	273.9		25.52 BM Hyd. Hydr. S.E. 3 ^d F.
M.H. 3 ^d 4 L.S. of S.L. F			3.28	24.11
			3.51	23.88
	2.37	22.32		19.95 Hyd. Hydr. S.E. 3 ^d G.
M.H. 3 ^d 5 L. G			438	17.94
	1.77	15.34		13.57 Hyd. Hydr. S.E. 3 ^d H.
M.H. 3 ^d 36 S. of S.L. H			453	14.81
	2.39	10.77		8.38 Hyd. Hydr. S.E. 3 ^d I.
M.H. 3 ^d 22 N. of S.L. I			443	6.34
	2.52	5.97		3.45 BM Hyd. Hydr. S.W. 4 th K.
	4.77	5.04	5.70	0.27
P.T. 3 ^d 354 N. of N.L. K.			4.38	0.66



The image shows an open notebook with two pages. The left page is numbered '53' and the right page is numbered '54'. Both pages are yellowed with age. A grid of red lines is drawn across both pages, creating a table structure. The grid consists of 6 vertical columns and 10 horizontal rows. The lines are thin and slightly faded. The notebook has rounded corners and a dark cover visible around the edges.

The image shows an open notebook with two pages. The left page is numbered 42 and the right page is numbered 55. Both pages are yellowed with age. The left page has a grid of red lines forming a table with 6 columns and 10 rows. The right page has a grid of red lines forming a table with 10 columns and 10 rows. The grid lines are thin and red. The pages are otherwise blank.





57

73

The image shows an open notebook with two pages. The left page is ruled with a grid and has the number '57' in the top left corner. The right page is ruled with a grid and has the number '73' in the top right corner. The pages are yellowed and show signs of wear. The notebook is bound in the center, and the pages are slightly curved. The background is black.

76

77

87

79

The image shows an open notebook with two pages. The left page is numbered 87 and the right page is numbered 79. Both pages are ruled with red lines, forming a grid pattern. The pages are yellowed and show signs of wear. The notebook is bound in the center, and the pages are slightly curved. The background is black.

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

|| Degrees:

12.72 - Basement
 11.49 - Top of ...
 1.23

132.5
 108
 24.5
 132.5
 105
 27.5

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

132.5
 117.5
 22.5
 132.5
 115.5
 27.5

13
 152.5
 17

152.5
 132.5
 17.5

5481 - SW ...



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	26.20	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	29.05	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	71.03	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.

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