

PARK.

Bridge 6th & Broadway

166

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

400

LEVEL

IND/

F.B. 166

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

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

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TABLE FOR RUNNING ON SLOPES.  
MICROFILMED

In the following table the first column shows the angle, the second the number of links to be added to each 100 on the slopes, to make one chain, horizontal measurement.

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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001 1



Q 200'	6.4	160.3	L 25'	4.6	162.1
Q 160'	9.8	156.7	Centra	2.0	164.7
Q 150'	8.6	158.1	T. P.	9.88	175.83 165.45
Q 100'	7.0	159.7	Q 50'	8.3	167.0
Q 50'	9.4	157.3	Q 100'	6.2	169.1
Centra	10.1	156.6	Q 150'	10.6	164.7
L 50'	8.1	158.6	Q 175'	13.5	161.8
L 100'	9.0	157.7	Q 200'	12.9	162.4
L 150'	9.0	157.7	Q 250'	14.6	160.7
L 200'	9.5	157.2	Q 298'	14.6	160.7
L 249'	9.5	157.2	Sta. 3+50'		
Sta. 3+00			Q 347.5'	11.7	163.6
L 298'	7.4	159.3	Q 300'	11.7	163.6
L 250'	5.6	161.1	Q 250'	14.0	161.3
L 200'	6.8	159.9	Q 200'	10.4	164.9
L 150'	6.6	160.1	Q 165'	10.6	164.7
L 100'	5.5	161.2	Q 150'	9.2	166.1
L 50'	4.4	162.3	Q 100'	5.2	170.1

Q 50'	1.6		173.7	L 245'	0.3		173.8
Centr	3.1		172.2	L 235'	5.2		168.9
L 50'	5.2		170.1	L 200'	4.9		169.2
L 75'	8.1		167.2	L 182'	3.9		170.2
L 100'	9.0		166.3	<sup>5/8/05</sup> T. P. Plog 10.83	1.84	183.10	172.27
L 150'	10.6		164.7	L 150'	4.6		178.5
L 200'	10.6		164.7	L 115'	6.1		177.0
L 235'	8.6		166.7	L 107'	9.5		173.6
L 250'	9.9		165.4	L 100'	9.3		173.8
T. P.	9.69	10.91	174.11	164.42	L 50'	6.7	176.4
L 300'	11.5		162.6	L 25'	4.3		178.8
L 348'	13.6		160.5	Centr	6.0		177.1
	Stn. 4+00			Q 50'	10.4		172.7
L 398'	16.0 (offered)		158.1	T. P.	7.01	12.60	177.51
L 334'	14.4		159.7	Q 100'	7.8		169.7
L 325'	8.0		166.1	Q 150'	9.5		168.0
L 300'	7.1		167.0	Q 200'	13.8		163.7
L 250'	1.3		172.8	Q 225'	14.5		163.0

Q 250'	14.1	0	163.2	T. P.	2.79	1.56	189.14	186.35
Q 300'	11.7		165.8	L 150'		2.0		187.1
Q 350'	11.3		166.2	L 175'		0.7		188.4
Q 397 (approx.)	11.2		166.3	L 200'		3.9		185.2
	Sta. 4+50			L 250'		11.3		177.8
Q 447'	11.1		166.4	T. P.	0.80	12.77	177.17	176.37
Q 400'	9.6		167.9	L 300'		2.5		174.7
Q 350'	9.1		168.4	L 350'		7.6		169.6
Q 300'	9.0		168.5	L 400'		8.9		168.3
Q 250'	10.2		167.3	L 435'		16.50		160.7
Q 200'	10.0		167.5	L 447'		17.00		160.3
Q 150'	9.1		168.4				Sta. 5+00	
Q 100'	6.7		170.8	L 496'		17.00		160.2
Q 50'	4.4		173.1	L 450'		8.5		168.7
Center	2.0		175.5	L 425'		2.2		175.0
Sta. 5				L 400'		2.3		174.9
T. P. Plug 11.60	1.20	187.91	176.31					
L 50'	8.3		179.6	T. P.	11.72	0.38	188.51	176.79 ✓
L 100'	4.3		183.6	L 350'		10.5		178.0

L 300'	7.9		180.6	P 400'	6.7		169.3
L 250'	4.4		184.1	P 450'	8.7		167.3
T. P.	4.38	0.39	192.50	188.12	P 497 (approx)	11.00	165.0
L 200'	1.4		191.1		Sta. 5+50		
L 175'	0.4		192.1	P 546 (approx)	12.7		163.3
L 150'	1.8		190.7	P 500'	11.0		165.0
L 100'	6.5		186.0	P 450'	9.0		167.0
L 50'	12.7		179.8	P 400'	7.2		168.8
T. P.	3.18	12.70	182.98	179.80	P 350'	5.6	170.4
Conta	6.7		176.3	P 300'	4.5		171.5
P 50'	8.7		174.3	P 250'	3.0		173.0
P 100'	8.7		174.3	P 200'	1.2		174.8
P 150'	9.2		173.8	T. P.	12.43	0.16	188.32
P 200'	10.8		172.2	P 150'	11.0		177.3
P 250'	11.8		172.2	P 100'	10.4		177.9
P 300'	12.1		170.9	P 50'	11.3		177.0
P 350'	12.8		170.2	Conta	11.2		177.1
T. P.	6.06	12.99	176.05	169.99	L 50'	7.6	180.7

L 100'	2.6			
T. P.	8.15	0.67	195.80	187.65
L 150'	3.2			
L 180'	1.2			
L 200'	0.7			
L 250'	4.4			
L 275'	6.8			
L 300'	8.1			
L 350'	9.6			
L 375'	9.2			
L 400'	11.7			
T. P.	2.32	12.80	185.32	183.00
L 450'	3.6			
L 480'	4.2			
L 500'	9.4			
L 547' (top of pond)	15.7			
T. P.	1.03	11.84	174.51	173.48

Sta. 6+00

L 597'	11.4			
T. P.	12.39	1.03	185.87	173.48
L 550'	4.8			
T. P.	12.30	0.01	198.16	185.86
L 500'	11.5			
L 450'	6.0			
L 400'	3.8			
L 350'	1.8			
L 300'	3.3			
T. P.	4.43	2.03	200.56	196.13
L 250'	2.4			
L 200'	1.4			
L 150'	8.3			
T. P.	0.91	12.54	188.93	188.02
L 100'	4.2			
L 50'	8.1			
L 25'	8.9			
Center of	9.00			

P 50'	9.4			179.5
P 100'	9.7			179.2
P 150'	11.00			177.9
P 200'	13.00			175.9
T. P.	0.65	12.20	177.38	176.73
P 250'	3.9			173.5
P 300'	5.9			171.5
P 350'	7.2			170.2
P 400'	8.8			168.6
P 450'	10.3			167.1
P 500'	11.5			165.9
P 550'	13.1			164.3
P 597	15.0			162.4
T. P.	0.56	12.38	165.56	165.00
" "	0.93	12.58	153.91	152.98
B. M.	9.15		144.76	Chy <sup>617</sup> m 1000

5/8/03

Primary  
Walden  
LairdCross-section  
Cornerof Roadway in the South West  
of City Park

9

Sta	L	b	R		
0					
+50	$\frac{+1.2}{41.2}$	0.0	$\frac{-1.5}{41.5}$		
1	$\frac{+2.3}{42.3}$	$\frac{0.0}{18.5}$	$\frac{-0.2}{22}$	$\frac{-0.6}{40.9}$	
+25	$\frac{+1.0}{41}$	$\frac{-0.7}{32}$	$\frac{+9.4}{40.8}$	$\frac{+0.8}{40.8}$	
+50	$\frac{+1.5}{41.5}$	$\frac{+2.4}{15}$	$\frac{+1.8}{41.9}$	$\frac{+1.9}{41.9}$	
+75	$\frac{+3.5}{43.5}$	$\frac{+2.7}{15}$	$\frac{+3.6}{15}$	$\frac{+2.3}{15}$	$\frac{+1.5}{41.5}$
2	$\frac{+4.0}{44.0}$	$\frac{+3.9}{20}$	$\frac{+3.5}{17}$	$\frac{+2.9}{17}$	$\frac{+3.1}{43.1}$
X +25	$\frac{+5.4}{45.4}$		$\frac{+4.4}{20}$	$\frac{+2.5}{20}$	$\frac{+3.3}{43.3}$
+50	$\frac{+5.8}{45.8}$		$\frac{+3.8}{17}$	$\frac{+3.3}{17}$	$\frac{+4.1}{44.1}$
+75	$\frac{+5.6}{45.6}$	$\frac{+5.2}{30}$	$\frac{+6.1}{30}$	$\frac{+5.3}{30}$	$\frac{+7.6}{47.6}$
3	$\frac{+6.0}{46}$	$\frac{+5.7}{27}$	$\frac{+8.2}{21}$	$\frac{+9.7}{21}$	$\frac{+10.6}{50.6}$
+25	$\frac{+6.0}{46}$	$\frac{+9.6}{21}$	$\frac{+10.8}{30}$	$\frac{+11.8}{30}$	$\frac{+14.1}{54.1}$
+35	$\frac{+7.5}{47.5}$	$\frac{+10.7}{39}$	$\frac{+11.5}{21}$	$\frac{+12.5}{21}$	$\frac{+15.2}{33}$ $\frac{+14.8}{54.0}$
+50		$\frac{+10.1}{50.1}$	$\frac{+12.1}{25}$	$\frac{+14.3}{25}$	$\frac{+13.5}{53.5}$
+70	$\frac{+11.6}{51.6}$	$\frac{+12.6}{15}$	$\frac{+14.9}{51.4}$	$\frac{+11.4}{51.4}$	
4	$\frac{+12.6}{52.6}$	$\frac{+15.1}{26}$	$\frac{+13.4}{27}$	$\frac{+10.4}{27}$	$\frac{+9.1}{49.1}$
+25	$\frac{+11.1}{51.1}$	$\frac{+12.9}{30}$	$\frac{+11.0}{18}$	$\frac{+9.8}{18}$	$\frac{+7.5}{47.5}$

Sta	L	B	P
	+50 <u>51.8</u>	+11.8 50	+11.2 28
	+75 <u>51</u>	+7.9 20	+6.6
5	+8.8 <u>48.8</u>	+5.3	+4.7 20
	+5.7 <u>45.7</u>	+3.6 22	+2.5
6	+2.3 <u>42.3</u>	+1.9 29	+1.7 25
			+5.8 <u>45.8</u>
			+4.6 <u>44.6</u>
			+5.2 <u>43.2</u>
			+2.6 <u>42.6</u>
			+1.5 <u>41.5</u>





















08

21







18

25













18

32















5/7/03

Primary  
Wilkinson

Levels on 4th St. from 6th to 25th

Sta.	+	-	Red.	Elev.
3rd + Q				
B.M.	3.790	43.790		40.000
T.P.	7.856	40.368	11.278	32.512
N. Hinge Hght 4th and E.				
B.M.			1.999	38.378
T.P.	0.650	33.058	7.960	32.408
N. Hinge Hght, 4th and F.				
B.M.			3.020	31.038
T.P.	3.796	27.982	8.872	24.186
N. Hinge Hght 4th + G.				
B.M.			3.888	24.094
T.P.	5.670	32.803	9.849	27.133
N. Hinge Hght 5th + G.				
B.M.			4.472	28.331
T.P.	8.516	39.000	2.249	30.554
N. Hinge Hght 6th + G.				
B.M.			5.460	33.61
S.E. Cor.			7.3	31.8
N.E. Cor.			6.3	32.8
N. line G.			5.1	34.0
S. line G.			5.8	33.3

Transferred to book containing  
 100' part of 6th  
 100' part of 7th  
 100' part of 8th

Sta.	+	-	Red.	Elev.
7th and G				
S.W. Cor.			4.5	34.6
N.W. Cor.			3.3	35.8
N.E. Cor.			2.3	36.8
S.E. Cor.			3.85	35.9
B.M.	5.653	42.287	2.436	36.634
N. line G.			4.9	37.4
S. line G.			6.4	35.9
S.W. Cor.			5.7	36.6
N.W. "			4.1	38.2
N.E. "			5.54	38.8
S.E. "			5.1	37.2
B.M.	4.203	38.084		
S. line G.			3.4	38.9

Exp. tack 7' point  
N.E. Cor. 7th + G

Hght. rough S.E. 8th + G  
B.M.



Sta.	+	-	Pod	Elev.
N. E. cor.			1.15	53.6
S. E. cor.			1.5	53.3
T. P.	3.782	56.825	1.719	53.043
	100' E of 12th			
S. line G.			3.5	53.3
N. line G.			3.6	53.2
	13th and G.			
N.W. cor.			3.9	52.9
S.W. "			4.1	52.7
S. E. "			4.6	52.2
Topple light S.E. cor. B.M. 13th + G.			3.310	53.515
N. E. cor.			4.65	52.2
	100' E of 13th			
N. line G.			7.6	49.2
S. " G.			7.5	49.3
	14th + G.			
S.W. cor.			10.3	46.5

Sta.	+	-	Pod	Elev.
N.W. cor.			10.5	46.3
T. P.	1.053	46.105	11.773	45.052
	100' E of 14th			
N. line G.			6.4	39.7
S. " G.			6.8	39.3
	200' E of 14th			
S. line G.			10.3	35.8
T. P.	5.538	40.598	11.045	35.060
N. line G.			4.6	36.0
	300' E of 14th			
N. line G.			5.6	35.0
S. " G.			6.4	34.2
	15th and G.			
S.W. Cor. Topple light S.W. cor. B.M. 15th + G.			6.6	34.0
			5.110	
N.W. cor.			5.3	35.3
N. E. "			5.0	35.6

Sta.	+	0	-	Pod	Elev.
S. E. Cor.				6.0	34.6
				100' E. of 15th	
S. line 9				4.5	36.1
N. line 9				3.9	36.7
				16th and 9	
N. W. Cor.				1.7	38.9
S. W. "				2.7	37.9
Top of Cor. Post S. W. Cor. 16th + 9 B. M.				2.080	
T. P.	11.427	49.845	2.180		38.418
S. E. Cor.				9.6	40.2
N. E. "				8.8	41.0
				100' E. of 16th	
N. line 9				5.6	44.2
S. " 9				6.5	43.8
				17th and 9	
S. W. Cor.				4.1	45.7
N. W. "				2.5	47.3

Sta.	+	0	-	Pod	Elev.
N. E. Cor.				1.4	48.4
S. E. "				3.2	46.6
Top of Cor. Post S. W. Cor. 17th + 9 B. M.				0.883	48.962

Levels about end of flume

82  
44

6  
24  
03  
Darius on Asp  
Brooks  
Kuslan

0.89 83.83

82.94

No line Asp

62' W of Ctr 3.9 79.9

50 " 4.0 79.8

25 " 4.6 79.2

Ctr in flume 5.13 78.7

17' E of Ctr 7.3 76.5

25 " 6.1 78.7

50 " 6.1 77.7

75 " 6.0 77.8

100 " 6.0 77.8

125 " 6.0 77.8

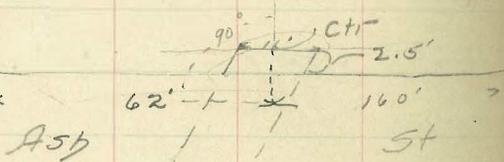
147 " 4.5 79.3

156 " 0.5 83.3

160 " 1.0 84.8

45

10th



## 2.5' No of Ash - End of Flume - on top

83.83

15' W of Ctr	5.1 Ground	78.7
7' W of Ctr - W side Flume	{ 5.07 on flume	{ 78.7
	{ 7.2 Ground	{ 76.6
Ctr	5.1 on flume	78.7
6' E of Ctr	{ 5.06 on flume	{ 78.7
	{ 6.0 Ground	{ 77.8
18' "	8.1 Ground	75.7

## 3' No of Ash - on ground

78' E of Ctr	8.5	75.3
12' "	11.3	72.5
5' "	12.3	71.5
Ctr	12.6	71.2
6' W "	12.2	71.6
7' W	8.4	75.4
15' W	5.1	78.7

## 10' No of Ash

62' W of Ctr	4.0	79.8
50' "	5.9	77.9
25' "	7.3	76.5
	{ 7.8	{ 76.0
7' "	{ 11.6	{ 72.2

## 10' No of Ash

83.83

Ctr	12.2	76.6
8' E of Ctr	11.8	72.0
15' "	9.2	74.6
25' "	6.7	77.1
50' "	6.1	77.7
75' "	5.9	77.9
100' "	5.9	77.9
125' "	5.7	78.1
147' "	4.7	79.1
155' "	1.6	82.2
160' "	0.3	83.5

## 20' No Ash

160' E	1.8	82.0
148' "	4.9	78.9
125' "	5.6	78.2
100' "	5.8	78.0
75' "	5.8	78.0

20' No Ash (83.83)		82.57					
50' E of Ctr	6.1	77.7	15 E	10.5	72.1		
25' "	7.5	76.3	23 E	7.7	74.9		
15' "	10.1	73.7	25 E	6.8	75.8		
7' "	12.6	71.2	34 "	4.9	77.7		
3' "	11.9	71.9	50 "	4.4	78.2		
Ctr	10.1	73.7	75 "	4.5	78.1		
4' W	8.8	75.0	100 "	4.3	78.3		
T.R	4.86	82.57	6.12	77.71	125 "	4.0	78.6
25' W	6.0	76.6	150 "	3.5	79.1		
50' W	4.7	77.9	160 "	1.6	81.0		
59' W	3.9	78.7					
62' W	2.4	80.2					

40' No of Ash		60' No of Ash			
62' W	0.6	82.0	160' E of Ctr	1.9	80.7
55' W	3.4	79.2	150 "	3.6	81.0
26' W	5.3	77.3	125 "	3.9	78.7
Ctr	7.8	74.8	100 "	4.2	78.4
7' E	9.0	73.6	75 "	4.5	78.1
11' E	11.5	71.1	50 "	4.0	78.6

60' No of Ash			100' No of Ash			
36' E of CTR	82.57	5.3	77.3	62' W	0.4	87.6
21' E		8.4	74.2	53' W	4.7	83.3
16' "		9.9	72.7	25' W	7.2	80.8
13' "		11.3	71.3	CTR	11.7	76.3
11' "		10.6	71.0	T.P.	5.00	81.98
7' "		8.7	73.9		10.99	76.98
CTR		7.0	75.6	80' No of Ash		
25' W		4.4	78.2	3' E of CTR	6.8	75.2
50' W		2.6	80.0	7' E	9.5	72.5
57' W		1.6	81.0	11' "	10.4	71.6
62' W		11.0	83.60	13' "	9.1	72.9
T.P. 6.48	87.97	11.8	81.49	19' "	7.9	74.1
				24' "	7.3	74.7
	80' No of Ash			33' "	4.6	77.4
62' W		2.2	85.8	39' "	3.3	78.7
53' W		6.1	81.9	50' "	3.1	78.9
25' W		9.0	79.0	75' "	3.1	78.9
CTR		11.6	76.4	100'	3.4	78.6

81.98

125' E of Ctr	3.2	78.5
150 "	2.9	79.1
160 "	1.9	80.1

100' North A

160' E	1.5	80.5
150 "	2.6	79.4
125 "	2.7	79.9
100 "	3.0	79.0
75 "	2.9	79.1
50 "	2.5	79.5
39 "	3.0	79.0
25 "	6.3	75.7
17 "	8.0	74.0
15 "	9.1	72.9
12 "	9.8	72.2
10	9.3	72.7
6	7.7	74.3

280.33





























































Levels for Bridge 6 & Brookes

80

0.50 280.83 280.33

315' No Ivy Lane.

15' W of Ctr 10.1 270.7  
 11' " " 9.9 270.9  
 Ctr 9.4 271.4  
 11' E " 10.6 270.2  
 13' " " 10.8 270.0

Transferred  
 to Miscellaneous book  
 of T.J. Hook, P. 22

320' No

15' E " 12.6 268.2  
 11' " " 11.9 268.9  
 Ctr 11.0 269.8  
 11' W " 11.0 269.8  
 15' " " 11.0 269.8

325' No

15' W " 11.9 268.9  
 11' " " 12.1 268.7  
 T.P. 0.54 268.54 12.83 268.00  
 Ctr 1.1 267.4

268.54

11' E of CTR	1.2	267.3
15' " "	2.1	266.4

340' No. 144 Lane

15' W of CTR	5.6	262.9
12' " " "	5.8	262.7
3.7' " " "	6.7	261.8
3.7' E " "	7.7	260.8
12' " " "	8.0	260.5
15' " " "	8.1	260.4

T.P.	0.43	256.12	12.85	255.69
------	------	--------	-------	--------

360' No. 144 Lane

15' W of CTR	1.9	254.2
12' " " "	1.9	254.2
3.7' " " "	2.2	253.9
3.7' E " "	2.2	253.9
12' " " "	3.0	253.1
15' " " "	3.5	252.6

377' No. 144 Lane

20' W	8.0	248.1
15' "	8.4	247.7
11' "	9.1	247.0
CTR	9.7	246.4
11' E	11.4	244.7
15' "	11.8	244.3
20' "	12.7	243.4

380' No.

20' E	14.1	242.0
15' "	13.1	243.0
11' "	12.2	243.9
CTR	10.3	245.8
11' W	10.0	246.1
15' "	9.3	246.8
20' "	8.3	247.8

25612

383' No

20' W	9.3	246.8	20' E
15' W	10.2	245.9	15' "
11' "	10.9	245.2	11' "
CH	11.8	244.3	CH
11' E	13.1	243.0	11' W
15' "	14.0	242.1	15' "
20' "	15.0	241.1	20' "

447' No

20' W	15.5	240.6	20' W
15' "	13.5	242.6	15' "
11' "	12.0	244.1	11' "
CH	8.8	247.3	CH
11' E	6.6	249.5	11' E
15' "	6.3	249.8	15' "
20' "	6.1	250.0	20' "

450' No

4.8	251.3
5.0	251.1
5.2	250.9
7.8	248.3
11.2	244.9
12.6	243.5
14.6	241.5

453' No

13.5	242.6
11.9	244.2
10.5	245.6
7.0	249.1
3.7	252.4
3.7	252.4
3.6	252.5

256.12

470' N6

15' W	6.7	249.4
12' W	5.4	250.7
3.7' "	2.3	253.8
T.P.	12.64 268.24 0.52	255.60
3.7' E	11.4	256.8
12' "	8.4	259.8
15' "	7.9	260.3

490' E

15' W	12.3	255.9
12' W	11.1	257.1
3.7' "	7.3	260.9
3.7' E	4.9	263.3
12' "	2.2	266.0
15' "	0.8	267.4

83

507' N6

20' W	7.5	260.7
15' "	5.4	262.8
11' "	4.5	263.7
5' "	3.0	265.2

510' N6

20' W	6.5	261.7
15' "	4.5	263.7
11' "	3.4	264.8
5' "	1.7	266.5

513' N6

20' W	5.5	262.7
15' "	3.8	264.4
11' "	2.5	265.7
5' "	0.8	267.4
T.P.	12.82 280.01 1.05	267.19

280.01

507 No

CTR	13.7	266.3
5' E	11.5	268.5
11' "	9.0	271.0
15' "	7.6	272.4
20'	5.6	274.4

518 No

20' E	4.7	275.3
15' "	6.6	273.4
11' "	8.3	271.7
5' "	10.3	269.7
CTR	12.7	267.3

513 No

CTR	11.4	268.6
5' E	9.1	270.9
11' "	8.0	272.0
15' "	6.0	274.0
20'	3.9	276.1

84

T.P	5.19	284.20	1.00	279.01
CR. on starting Pt			3.86	✓ 280.34

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

166

403  
296.57  
296.64  
4.6  
Cb-28 2.04  
45

#	Grade	Surface	Cut	
0	144.00	143.63	0.0	plus
+50	145.55	145.6	0.0	296-282.1
1	147.11	146.1	-1.0	
+50	148.66	150.4	+1.7	
2	150.22	153.8	+3.6	
X +25	151.00	155.4	+4.4	
+50	152.81	156.6	+3.8	
3	156.44	164.7	+8.3	
+50	160.06	172.2	+12.1	
4	163.69	177.1	+13.4	
+50	167.31	175.5	+8.2	
5	170.94	176.3	+5.4	
+50	174.56	177.1	+2.5	
6	178.19	179.93	+1.7	
X +25	180.00			

TRAVERSE TABLE FOR TRANSIT BOOK.

Return to City Engineers Office  
From 1° to 90° for a distance of 100.  
City Hall, San Diego, Cal.

Degrees	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
	0	99.98	1.75	100.00	0.44	100.00	0.87	99.99	
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.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

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