Notes

-of-

New. Street. Centers.

—

9

TRANSIT

F.B.70

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

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

MICROFILMED
DEC 1964

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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

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TRAVERSE TABLE FOR TRANSIT BOOK,

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	[illegible].50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.7[illegible]	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.		

Published by Edward Denny & Co., Stationers, Drawing Materials, Mathematical Instruments, Etc., San Francisco.

Front St A to Grape.	5
Grape St Front to 5th.	5
5th St A to Grape	8
A St Front to 5th.	4

Measurements on Front St from I to A Sts

E 7' Line

A to B	380.40		
B to C	380.43		
C to D	395.80		
D to E	365.00		
E to F	380.23		
F to G	380.69	Move F St .23 South	
G to H	400.50		
H to I	380.11	Move I St .27 South	

Dist across D St at Front on N Line 80'.0

From D and Front to D and 3rd

Front to 1st	214.00	1.0
1st to 2nd	280.30	0.07 North
2nd to 3rd	280.21	

3rd St from D to E St

Front
Lowell to Magel
ok for line

Offsets on trial line along East 7' line on Forest St

		Offset	Direction		
H St					
G St					
F St					
E St					
D St					
C St					
B St		0.01	W		
A Street		0.04	E		
Ash		0.16	W		
Beech		0.32	W		
Cedar		0.50	W		
Hill		0.52	W		

Abandoned from the of H St See Page 5

Trial Line from Front St. on A. St. on 7' Line. → From Front to 5th St

		Offset	Direction	Distance	
Front					
1st		0.00		214.07	
2		0.25	N	280.28	
3		0.26	N	280.16	
4		0.58	N	280.58	
5		0.92	N	282.60	Short
6					
7					
8					
9					
10					
11					
12					
13					
14					

Moved point 0.49 West

Trial line from A and Front to Ivy and Front along East 7' line

Street	Offset	Direction	Dist	
A Street	0.0			
Ash St	0.02	West	380.75	
Beech St	0.03	West	380.17	
Cedar	0.07	West	380.48	
Date	0.11	West	380.26	
Elm	0.12	West	380.52	
Fir	0.02	East	380.38	
Grape	0.0		379.77	Short
Hawthorn	No Point			
Ivy	0.26	East.		

Trial line from Front to 5th on S 7' line of Grape St

	Dist	Offset	
Front to 1st	214.78	0.0	
1st to 2nd	280.79	0.12 N	N Point 163' East of Man on 1st
2nd to 3rd	280.36	0.04 S	S
3rd to 4th	280.60 (280.72)	0.04 S ✓	Moved point on 4th St 0.18 West.
4th to 5th	282.95 (283.13)	0.0 S	Short

Trial line on 5th St. from A. to Ivy. Line projected from foresight from A. to Cedar

		Offset	Direction	Dist.	
A		0.00			
Ash		0.00		380.07	
Beech		0.00		380.62	
Cedar		0.00		379.77	
Date	North side	0.11	East	446.66	0.14 E
Elm	South side	0.10	"	314.57	0.17 E
Fir	"	0.14	"	380.40	0.20 E
Grape	"	0.08	West	380.57	0.03 E
Hawthorn	"	0.14	"	380.77	
Ivy	"	7.43	"	379.~~75~~ 68	?
	"				

See page 8

Measurements on H Street from Front to 14th St
on S side of H. Line produced from F.S. on 5th St

Street	Dist	Offset	N. or S.	
Front to 1st	213.93	0.03	N	Move To north 0.12 West
1st to second	280.23	0.101	N	
second to 3rd	280.09	0.08	N	
3rd to 4th	280.17	0.05		
4th to 5th	283.27	0.00		
5th to 6th		0.06	N.	
6th to 7th		0.13	"	
7th to 8th		0.07	"	
8th to 9th		0.04	"	
9th to 10th		0.12	"	
10th to 11th		0.23	"	
11th to 12th		0.32	"	
12th to 13th				
13th to 14th				

Trial line on 5th Street from A to N Line of Grape St and from Grape to S Line Upas St

Street	Dist	Offset		
B St to A St.	380.40	0.0		
A to Ash	380.07	0.015		L .05
Ash to Beech	380.62	0.01 E		.62
Beech to Cedar	379.77	0.008 E	Short	S .23
Cedar to Date	446.66	0.14 E		L .66
Date, to Elm	314.57	0.17 E		
Elm to Fir	380.40	0.20 E	S. Line	
Fir to Grape	380.57	0.03 E		
Grape to Hawn	380.77	0.04 E		
Hawn to Ivy	379.68	0.06 W	Short	
Ivy to Junip'r	380.81	0.00		
Junip to Kal	413.27	0.05 E		
Kal to Laurel	380.57	0.15 E		
Laurel to Maple	347.49	0.22 E	to Centre	
Maple, to Nut	380.61	0.27 E		
Nut, to Olive	380.00	0.32 E	~~moved 25 north~~	
Olive, to Palm	414.17	0.40 E	from Centre	
Palm, to Quince	347.45	0.52 E	to center	
Quince, to Red'd	381.03	0.56 E		
Red'd, to Spruce	380.59	0.70 E		
Spruce, to Thorn	380.75	0.75 E		
Thorn, to Upas	381.25	0.98 E		

N Line H.A.

* Along 10' Line on 5th

* Offset 3' to West at S side Grape, On 7' line to Upas St.

Measurements on Laurel St
from 5th to Front on centre line

5th to 4th	247.20			℄ Centre	
4th to 3rd	280.39				
3rd to 2nd	280.63				
2nd to 1st	280.20				
1st to Front	280.40				

Trial line from 5th and A St to 14th and A St on S 7' line

Street.	Dist.	Offset			
5th to 6th	277.32	0.01	South		
6th to 7th	280.74	0.09			
7th to 8th	279.89	0.09	South.		
8th to 9th	280.20	0.22	"	Point	on east side
9th to 10th	280.15	0.40	"	"	" " "
10th to 11th	313.15	0.23	South		
11th to 12th	247.28	0.16	"		
12th to 13th	313.20	0.20	South		
13th to 14th	280.38	0.32	South	32.72 North to point	To old center put in from old corner

Offsets bet centers in M.T. and in HA

A. Street

set up on SE 7' point on Front & A St B.S. to First and A St

Offset at A and Union 1.38 N S.W. 7' point

" " " A and Colum. 4.10 N center

Ash Street Set up on SE 7' point Front and Ash sts. B.S. on First and Ash.

Offset at Ash and Union 1.61 North S.W. 7' Point.

" " " " State 3.12' North SW 7' Point

Beech St set up on S.E. 7' Point Front B.S. to 1st and Beech

Offset at Union 1.58 North S.W. 7' Point

" " State 3.06 North S.W. 7 Point.

Cedar St

Set up on SE 7' Point on Front and cedar B.S. to 1st and Cedar

Offset at Union 1.02 North.

" " State 1.93 North.

Date St

Set up on SE 7' Point Front and Date B.S. on 1st and Date

Offset at State 1.88 North.

" " Union 0.74 North

Measurements on Cate St from
Front to 5th St; along S 7' line

Front to 1 St	214.51
1st to 2nd	280.80
2nd to 3rd	279.83
3rd to 4th	281.10
4th to 5th	282.70

Offsets on 4th St from A to Grape

A St	0.49	East
Ash	0.58	"
Beech	0.57	"
Cedar	0.59	"
Date	0.63	"
Elm	0.48	"
Fir	0.44	"
Grape	0.18	"

On 5th St

Move	Ash	North		0.18 ✓
	Beech	South		0.20 ✓
	Cedar	North		0.26 ✓
	Elm	North		0.07
	Haw	South		0.27
	Ivy	North		0.40
On Front Street				
Move	Ash	South		0.28 ✓
	Beech	South		0.00 ✓
	Cedar	South		0.06 ✓
	Oak	South		0.00 ✓
	Elm	South		0.20 ✓
	Fir	South		0.38 ✓
	Grape	South		0.00
On Grape St				
Move	1st St	West		0.08
On A St				
Move	Front St	West		0.10

5th 8t

A to Ash		.05	Long	.23
Ash to Beech		0.62	"	.24
Beech to Cedar		0.23	Short	.23
Cedar to Hate		0.66	Long	.40
Hate to Elm		0.57	"	.50
Elm to Fir		0.40	"	.47
Fir to Grape		0.57	"	.57
Grape to Haw		0.77	"	.50
Haw to Ivy		0.32	Short	.35
Ivy to Jinnip		0.81	Long.	.41

Trial line from 4th and A to 4th and K Sts on West 9' line

	Dist	Offset	E. or W.	
A to B St	380.31	0.28	E	
B to C	380.36	0.24	E	
C to D	314.39	0.17	E	N side Stone
D to E	446.30	0.20	E	
E to F	380.42	0.24	E	
F to G	380.27	0.35	E	
G to H	460.49	0.43	E	
H to I	380.38	0.54	E	
I to J	380.19	0.60	E	
J to K	314.31	0.79	E	N side

Measurements bet 4th and 5th St

K St	4th to 5th		283.17
J St	"	"	283.24
I "	"	"	343.13
H "	"	"	283.27
G	"	"	283.18
F	"	"	283.27
E	"	"	283.24
D	"	"	283.27
C	"	"	283.02
B	"	"	280.00

Measurements from 4th and J on Sts as shown below

4th	to 3rd	on J St	280.33		
3rd	to 2nd	on J St	280.09		
J to I	on	2nd St	380.12		
2nd	to 1st	on I St	280.20		
1st	to Front	on I St	213.99	more	Front 11 West
I to H St	on Front				

Sts to Front and H Sts

Third Street between H and I St

Street		Offset		Offset	
		E. or W.		N. or S.	
A St.					
B St.					
C St					
D St.		0.0		0.0	
E St		0.04 W		0.015 S	
F St		0.015 W		0.065 N	
G St		0.005 W		0.02 N	
H St		0.0		0.02 N	

Second Street between A and H Streets

Street		offset		offset	
A	Street				
B	St.				
C	St				
D	St	0.03 W.			
E	St	0.09 W		0.04 N	
F	St	0.05 W		0.115 N	
G	St	0.05 W		0.08 N	
H	St	0.0		0.14 N	

First Street between A and H Streets

Street		offset		offset
A	Street			
B	St.	0.03 S		0.06 E
C	St.	0.025 S		0.11 E
D	St			0.00
E	St			
F	St			
G	St			
H	St			

Front street between A and H Streets on East 7' line

Street	offset		offset
	E. or W.		N. or S.
A Street			
B St.			
C St.			
D St.			
E St.			
F. St.			
G St.			
H St.			

Offsets on Hawthorn St
from Front to Parkline

Front		0.0	
1st		0.0	
2nd	No center		
3rd		0.12	South
4th		0.12	South
5th			
Parkline		0.0	

Offsets on Ivy Front to Park line

Front		0.0	
1st		0.11	North
2nd		0.0	
3rd		~~No center~~	
4th		0.12	South
5th		0.10	South
Park line		0.0	

Measurements on Front St from Grape to Upas

July 20 1890

Hamlin transit
Acton
Williams } chain
Hemsley

22

Grape to Hawthorn	413.27	0.0	
Hawthorn to Ivy	380.32	0.0 V	
Ivy to Juniper	380.85	0.0	
Juniper to Kol.	380.26	0.04 E	
Kol to Laurel	380.48	0.0 V	
Laurel to Map	380.62	0.01 W	Line point 138' N of Maple
Map to Nut	380.80	0.04 E	0.02' S
Nut to Olive	380.54	0.03 E	0.20' S
Olive to Palm			
Palm to Quince			
Quince to Red			
Red to Spruce			
Spruce to Thorn			
Thorn to Upas			

Upper St measurements from July 1890
Front to 5th St.

			Hist	offset	
Front to 1st					
1st to 2nd					
2nd to 3rd					
3rd to 4th					
4th to 5th					

Olive Street Front to 5th

Front to 1st	280.48	0.16	South	
1st to 2nd	280.53	0.16	South	
2nd to 3rd	280.75	0.07	South	set up at 4th and olive B.S. 5th and olive
3rd to 4th	280.40	0.04	0.0	produced the line west
4th to 5th	247.25	0.0		

Moved Point on Hawthorn & Park St 0.38 South.
Moved Point on Kol & Park 0.04 S.
Moved Point on Laurel & Park 0.07 S.

2nd St
there is line Pt 200' N of Maple
" " " " 342' N " "

Offsets to old centers on 3rd St from New lines Ran bet Grape & Olive

	N	S	E	W
Grape & 3rd		0.04		
Haw & "	0.12		0.41	
Ivy " "	—	out	—	—
Junip. " "	0.01			0.19
Kol " "		0.07		0.18
Laurel " "	—	out	—	—
Maple " "		0.04		0.03
Nutmeg " "	0.04			
Olive " "	~~0.04~~	0.39		

Offset to old centers on 2nd St bet Grape & Olive

	N	S	E	W
Grape & 2nd				
Haw. & "			0.25	
Ivy " "	~~0.01~~	out	~~0.58~~	
Junip " "	0.01		out 88	~~[illegible]~~
Kol. " "		0.12		.36
Laurel " "		0.03		.28
Maple " "		0.0	0.1	.22
Nut " "		0.01	0.08	
Olive " "		0.31		

Offsets on 1st St to old centers
From Grape to Olive

		N	S	E	W
Grape	& 78	0.12		0.0	0.0
Haw	" "	0.10		0.12	~~0.12~~
Ivy	" "	0.07		0.22	~~0.22~~
Juniper	" "	0.05	0.	0.0	0.0
Kal	" "		0.13		0.05
Laurel	" "	0.0	0.0		0.07
Map	" "		0.02		0.06
Nut	" "	0.04	0.0		0.08
Olive	" "		0.31		

On centre line of 1st St bet Nutmeg there is a line Point 229' from centre of Nutmeg and and thee 52' North of that on 281 from Nut St

Pollocks wall is back on his lot

0.18 on North.

0.05 on South.

Kalmia St from Front to Curlew

		Offset about
Front to Albatross	279.98	0.10 N
Albatross to Brant	280.22	0.13 N
Brant to Curlew	279.95	0.19 N
Curlew Street to North line of Hortense Add		
Kalmia to Horton Ave	206.91	
~~to Hos S~~		
Horton Ave to Laurel	172.89 ~~206.94~~	
Laurel to Maple	381.35	
Maple to Nutmeg	380.52	0.06 E
Nutmeg to Olive	380.70	
Olive to Palm	380.70	
Palm to Quince	380.51	
Quince to Redwood	380.74	
Redwood to Spruce	380.00	(est)
Spruce to Thorn	381.48	
Thorn to Myrtle	373.77(?)	Short

Olive St Curlew to Front

Curlew to Brant	279.82
Brant to Albatross	280.03
Albatross to Front	280.31

(24.91) bet center of Laurel St in MD & HA

M/as St from Curlew to 5th St

5.88 to center of slot in cable Rd. — 11.12 —

4° 20' Right # 91.76

91.5
188.88
280.38

91.5
188.88
8.38

		offset
	curlew	0.06 N
Curlew to Brant	280.38	0.00
Brant to Albatross	280.00	0.04 S
Albatross to Front	280.51	0.0
Front to 1st	280.18	0.05 S
1st to 2nd	280.12	0.10 S
2nd to 3rd	280.49	0.10 S
3rd to 4th	280.00	—
4th to 5th	248.26	0.11 N

188.88 thence 4° 20 R 91.76 to centre of Brant
Brant St M/as to Thurs 380.90

Lined in between Brant and Park line on M/as St and offsets are measured from this line

out.

M/as St curlew to Middle Town

Curlew to Hove	280.00	out
Hove to Eagle	280.00	out
~~Eagle~~ Fal to ~~Goldfinch~~	282.03	0.30 N
~~Goldfinch~~ Fal to ~~Gold~~ Falcon	280.47	0.27 N
~~Gold~~ Fold to Hawk	280.72	0.01 S
Hawk to Ibis	280.01	0.20 N
Ibis to Jackdaw	279.95	0.30 N
Jackdaw to Horton Ave.	157.47	0.41 N

Point 50' north
Set Point 87' West of centre of Eagle St

line 150 W of Folsom St

Hawk Street W/ac to Spruce

		Offset
W/ac to Thorn	380.69	
Thorn to Spruce	380.36	
Spruce and Hawk to Spruce and Horton Ave	161.10	0.0
Hawk to Goldfinch	280.80	0.0
Goldfinch to Falcon	280.50	0.08 S
Eagle		0.08 S
Hove		0.0
Curlew (out)		1.05 S
Brant		
Albatross		0.13 S
Front		0.15 S
1st		0.22 S
2nd		out
3rd		out
4th		out
5th		1.46 S
Park line		0.62 S

Spruce St

Offsets on Quince St

Set up on Park line FS to 2nd St produced line to Horton Ave and took the following offsets to St centre

Park line	0.0 ✓
5th St	0.06 S ✓
4th St	out ✓
3rd St	0.07 S ✓
2nd St	0.0 ✓
1 St	0.08 S ✓
Front St	0.10 S ✓
Albatross	0.09 N
Brant St	0.0 ✓
Curlew	0.05 S. ✓
Hove	0.10 S.
Eagle	0.24 S
Falcon	0.26 S
Horton Ave	0.27 S
Curlew to Hove	280.47
Hove to Eagle	280.49
Eagle to Falcon	280.96
Falcon to Horton Ave.	177.70

Falcon St from Spruce to Juniper

New line on Olive in Int 0.41 South of old center

Spruce to Redwood	381.08	
Redwood to Juniper	380.70	
On Olive Curlew to Hove	280.18	
Hove to Horton	194.1	
Offsets on Olive St, Set up on Hove		F.S. to Brant and Produced line East
Horton Ave	0.09' N	✓
Hove	0.0	✓
Curlew	0.04' N	✓
Brant	0.0'	
Albatross	0.03' N	✓
Front	0.19' N	✓
1 St	0.20' N	✓
2nd	0.30' N	✓
3rd	0.33' N	✓
4th	0.42' N	✓
5th	0.52 N	
Park line	0.63 N	

offsets on 4th St N of Grape

		N	S	E	W
Grape					
Haw					
Log					
Juniper		0.0	0.0		0.15
Oak			0.04 S		0.20
Sassal			0.08 S		0.19
Maple		0.27			0.13
Nut		0.05			0.05
Olive		0.40	0.40 S	0.00	0.0

Olive & Park line 0.44 S
5th & Olive 0.42

Bearings of Streets N. of Olive

5th St		N 14° 05' W	Mag.		
2nd St		N 14° 20' W	Mag.		

Offsets on Wyas Street from Park line to Horton Ave.

	N	S	E	W
Park line	0.50			
5th St	0.45 E 0.42 W			
4th St	0.36 E 0.37 W		0.0	0.0
3rd St	0.21			0.01
2nd St	0.18		0.0	0.0
1 St St	0.15			0.02
Front St	0.15			0.02
Albatross St	0.05		0.26	
Brant St	0.04		0.0	0.0
Curlew St	0.02			
Hove St		0.15		
Eagle St	0.0			
Falcon St	0.09			
Goldfinch St	0.02			
Hawk St		0.28		
Ibis St		0.02		
Jackdaw St	0.05			
Horton Ave	0.05	0		

N 75° 55' E

Offsets on Thorn St from Park line to Horton Ave

	N	S	E	W
Park Line		0.0		
5th St		0.0		0.0
4th St		0.0		0.0
3rd St		0.16		0.04
2nd St		0.16	0.08	
1 St St		0.08		0.04
Front St		0.11	0.03	
Albatross	0.0	0.0		0.11
Brant	0	0.02	0.02	
Curlew	0.0		0.01	
Hove	0.18			
Eagle	0.37			
Falcon	0.48			
Goldfinch	0.63			
Hawk line 20' E		0.08		
Ibis		.27		
Horton Ave		.36		

Ibis to Horton Ave 159.28

Offsets on Spruce Street from Parkline to Horton Ave

		N	S	E	W
Parkline			0.48		
5th			.37		
4th					
3rd.					
2nd					
1st		0.0			
Frank		0.09			
Albatross		0.15			
Brant		0.24			
Curlew		0.0			
Ave		0.24			
Eagle		0.23			
Falcon		0.22			
Goldfinch		0.12			
Hawk		0.04			
Horton Ave		0.0	Lined from H.A. to Curlew		

Final offsets on Spruce St bet Parkline & Curlew St

Street	N.	S.	E.	W.
Parkline	0.0			
5th				
4th	out			
3rd	out			
2nd	out			
1st	0.21		0.11	
Frank	0.23		0.0	0.0
Albatross	0.22		0.0	0.0
Brant	0.27		0.0	0.0
Curlew	out			

Final offsets on ~~Spruce~~ Redwood St bet. Parkline & Curlew St

Street	N	S	E	W
Curlew	0.0	0.0	0.13	
Brant		0.07		0.02
Albatross	0	0.04		0.04
Front	0.14			0.18
~~Al~~ 1st	0.13			0.09
2nd	0.20		0.05	
3rd				
4th				
5th	0.38		0.0	0.0

Final offsets on Spruce St

34

St	x N	x S	x E	x W
Parkline	0.0	0.0	0.0	0.0
5th				
4th	out			
3rd	0.06			0.04
2nd				0.06
1st	0.0	0.04		0.19
Front	0.06			0.11
Albatross	0.15			0.01
Brant	0.07			0.67
Curlew			0.29	

Eagle St

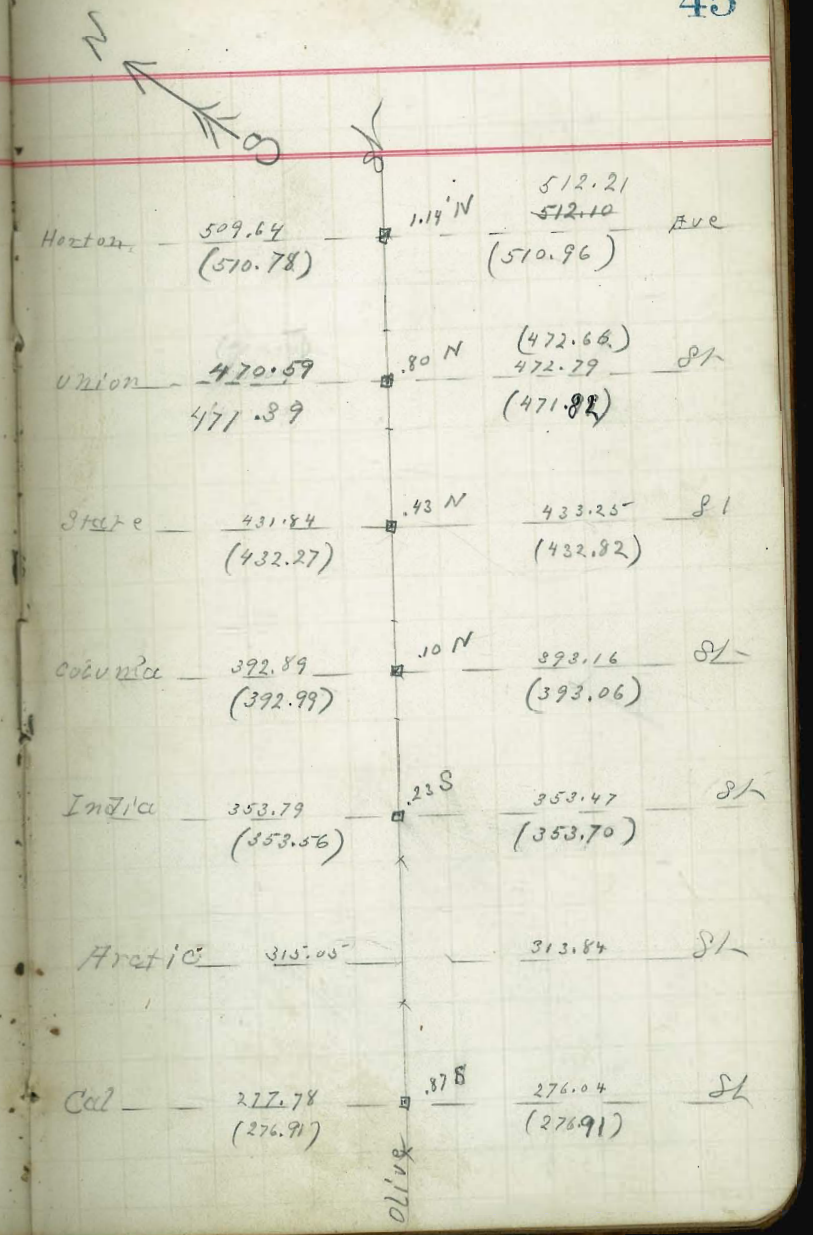
Palm to Lunnel	380.45
Lunnel to Horton Ave	234.68
Horton Ave to center line of Olive St	~~145.47~~
Produced through beyond ~~Horton~~ Ave.	145.47

~~Hawthorn~~ & Olive in H.A. 0.12' West

At Horton & Olive Mt Monroe
point on this line South 1.30
it is also 1.82 west of center
of Olive & Horton

Final offsets on Alb

Hunter	1.28'	North
Union	.94	"
State	.49	"
Columbia	.12	"
India	.22	South



Offsets on Olive St

Calif St	0.87'	N
Victor	out	
Indian	0.23	South
Columbia	0.10'	North
State	0.43'	North
"	0.80'	"
Horton	1.14	N.

At Union & Olive line from North intersected with Newline on Olive St Striker 0.1' East of line from South intersected with the same line

At State & Olive line from N Striker intersected with Newline Striker .11 West of line from South intersected with same line

Union St 1.02' N to old Point
" " 1.34' W " " M.P.

Horton Hill 1.4 North

Olive & State .53 N to Old. P.

Move 4th 0.11 N of Intro's
Move 5th 0.05 " " "

.03

280
5
1400
33
13.67

1367) 030.00 (22
1367
633
2674
3260

.000022
240
880
40
5280

200
7
80
287 - 4th .006 S
200
40
527 - 3rd 0.012 S
280
807 - 2nd 0.0177 S -
280
40
1127 - 1st .025
240
1367 - Tun

287
.022
574
574
.006214

527
22
1054
1054
.011594

807
22
1614
1614
.017754

1127
12
2254
2254
.024794

~~8 Haw St W 7 line 4th~~

Centre 4th and Hawthorn St
33.0 West of L to St line
line point 19.0 East

Olive and 4th 0.12 East to old
point

840
247
1087
366
6522
6522
3261
.0397842

.287
80
367

~~Centre at 5th and Haw~~

16

.1367) .1400 (1025
1367
3300
2634
6660

52
7
6
65

52
7
3
62

367
.000103 = 1.0
1101
367
.0378 01

(.12)

280
247
527
280
280
280
1367

280
4
1120
247
13

.0000366
840
~~29280~~
1464
1464
2924
.0317 44

.0000036
.0501
4101
8990
8202
7920

1367)

280
3
840

0.02 South

5th and Hawthorn O.K.
" " Jay 0.14 East on New line
Hawthorn to Jay on 4th. 346.74
Grape to Hawthorn on 4th 380.40

282.97
Hawthorn 4th to 5th 283.02
Jay bet 4th and 5th 279.85

on 5th on Jay line is .10 North of old line

Move Hawthorn St S 0.10
" Jay North — 0.30

At

73
10
83
200
283

33.12
33.12

36.74
12
346.86

33.12

old centre 0.12 West

346.74
12
346.86

old centre
new centre
New centre
old centre

282.94

282.05
18
282.15

3
40

40
3 00

40

6 the and E St 44.55

H =	0.0				
C =	380.0	489.59		279.97	
F =	760.0	80		12	
E	1140.0	459.59		279.85	
D	1505.0	0.028			
C	1900.0	0.036			
B	2280.0	0.043			
A =	2660.0	0.050			

282.94

279.97
14
280.11

449.59

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

4th and H 0.03 W

5th St J to K 380.29

5th and I St .03

Hawk

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

36.05
266.95
77.61
127.40
253.97
15.18
200.73
164.11
110.75
197.00
72.00
207.60
173.12
18.53
284.48
77.98
108.73
290.76
110.15
60.78

On Hentor Ave bet W/ac & Olive