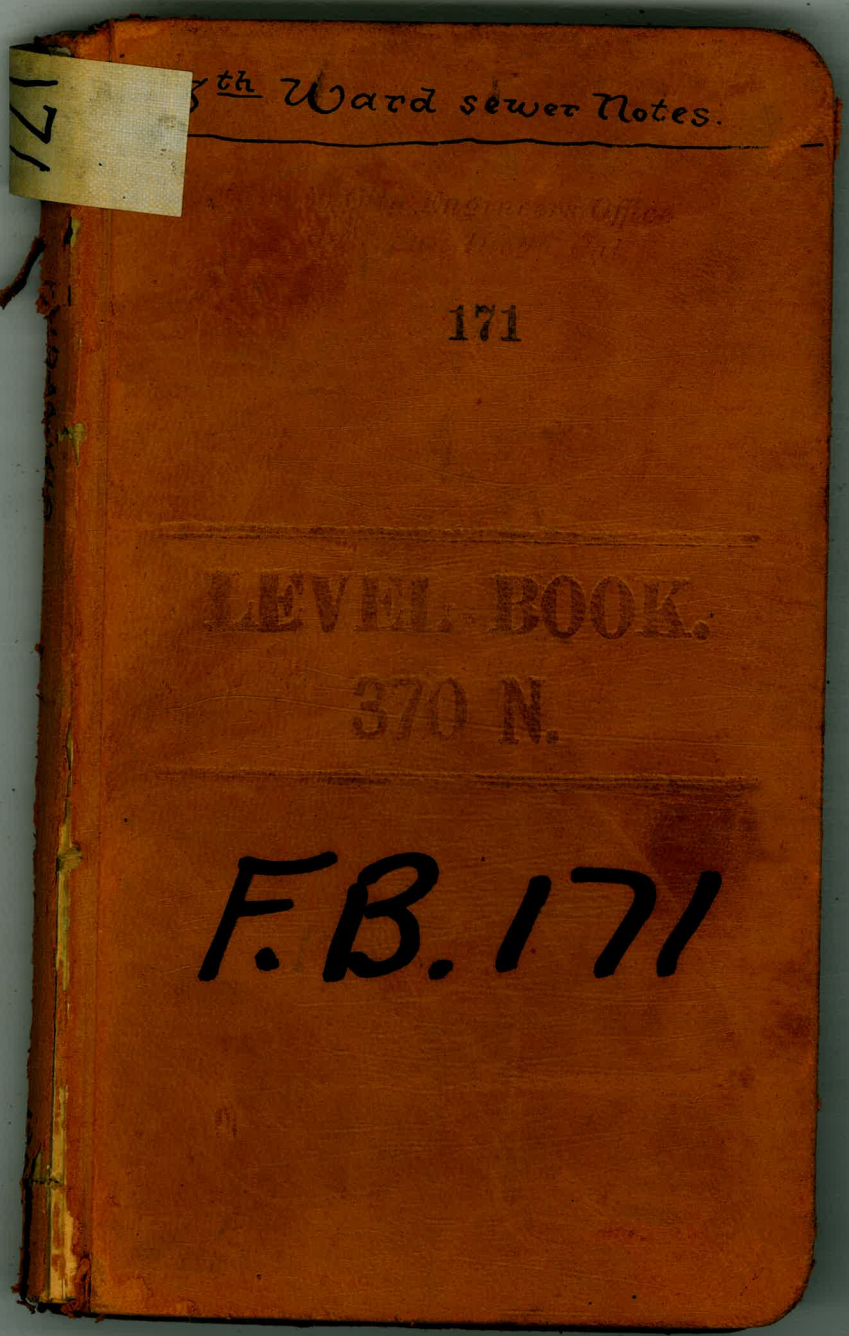
th Ward sewer Notes.
171
LEVEL BOOK.
370 N.
F.B. 171

171

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

Minutes.	Links.	Minutes.	Links.	Minutes.	Links.
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

MICROFILMED DEC 1964

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

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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.

DEC 7 1964

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

171

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

Twenty second street

Sta	R.R	Elev	H I
40	7.70	44.70	52.38
0+00	8.00	44.40	
50	8.10	44.30	
100	7.90	44.50	
50	7.80	44.60	
200	7.70	44.70	
50	7.80	44.60	
300	7.70	44.60	
40	7.60	44.80	
0+00	7.90	44.50	
50	8.40	44.00	
100	8.90	43.50	
50	9.60	42.80	
200	10.00	42.40	
50	10.60	41.80	
300	4.50	41.30	45.79
40	4.70	41.10	

Julian ave

B.S. nail set from 23rd and Julian

elevation = 50.19

219

52.38 = H I

10 48

41.90 = T P.

388

45.78 = H I

B M 22d & Logan = 44.03

1.76

45.79 = corrected H I

Kearney ave

Logan ave

South Twenty second street

Sta	Rod	Elev	HI
0+00	6.00	39.80	
50	7.00	38.80	
100	7.70	38.10	
50	8.30	37.50	
200	9.30	36.50	
50	9.60	36.20	
300	9.50	36.30	
40	9.90	35.90	
0+00	10.20	35.60	
50	5.10	32.20	37.32
100	5.10	32.20	
50	6.40	30.90	
200	7.30	30.00	
50	8.50	28.80	
300	9.40	27.90	
40	8.70	28.60	
0+00	9.20	28.10	

45.79
9.98
35.81 = T.P.
1.51
37.32 = HI

Milton ave

Newton ave

South Twenty Second street

Sta	Rod	Elev	HI
50	10.10	27.20	
100	2.20	26.10	28.32
50	3.30	25.00	
200	4.70	23.60	
50	6.00	22.30	
300	7.50	20.80	
40	7.90	20.40	
0+40	8.40	19.70	
50	9.50	18.80	
100	10.60	17.70	
50	11.80	16.50	
200	1.20	15.40	16.56
50	2.30	14.30	
300	3.20	13.40	
40	3.80	12.80	
0+00	5.00	11.60	
50	6.00	10.60	
100	7.20	9.40	

37.32
10.15
27.17 = T.P.
1.15
28.32
11.92
16.40 = T.P.
16
16.56 = HI

Oliver av

Pierce ave

South Twenty Second Street

Sta	Rod	Elev	HI	
50	8.80	7.80		
200	10.60	6.00		
50	11.70	4.90		
300	13.10	3.40		
40	13.60	3.00		
0+00	3.00	2.90	5.89	
50	3.50	2.40		
100	2.60	3.30		R R grade
50	2.70	3.20		" " " "
200	6.30	-0.40		
50	6.20	-0.30		
300	6.40	-0.50		
50	10.20	-4.30		Bay San Diego.

Centre of alley

16.56
4.72
11.84 = T P (◎)
2.73
14.57
8.42
6.15
1.37
7.52 = HI

R Road Ave.

BM 20 + Newton = 1.79
5.71
7.50

T.P. marked (◎)

11.84
2.09
13.93 = HI
8.46
5.47
42
5.89 = HI
42
5.47 = check T.P.

S Twenty First street

Sta	Rod	Elev	HI
0+00	5.60	19.00	24.64
47	6.30	18.30	
40	5.80	18.80	
0+00	6.20	18.40	
50	7.00	17.60	
100	5.80	18.80	
50	10.60	22.00	32.63
200	5.40	27.20	
50	3.00	29.60	
300	2.90	29.70	
40	3.60	29.00	
0+00	5.60	29.40	34.96
50	5.50	29.50	
100	5.90	29.10	
50	6.20	28.80	
200	7.10	27.30	
50	9.30	25.70	

B.M. 21 + Logan = 31.79
.84
32.63 = HI
11.09
21.54 = T.P
3.10
24.64 = HI

Kinney av

31.79
3.17
34.96

Logan Ave

South Twenty First Street

Sta	Rod	Elev	H'
300	11.10	23.90	
40	12.00	23.00	
0+00	2.30	22.30	24.6
50	2.70	21.90	
100	3.30	21.30	
50	4.50	20.10	
200	5.30	19.30	
50	5.80	18.80	
300	7.10	17.50	
40	8.70	15.90	
0+00	8.30	16.30	
50	7.60	17.00	
100	7.40	17.20	
50	7.80	16.80	
200	7.70	16.90	
50	8.60	16.00	
300	8.90	15.70	

Milton ave

34.96
11.61
23.35 = T. P
1.30
24.6 = H'

Newton ave

South Twenty First street

Sta	Rod	Elev	HI
40	9.00	15.60	
0+00	10.00	14.60	
50	11.10	13.50	
100	1.30	13.60	14.86
50	2.80	12.10	
200	3.50	11.40	
50	5.30	9.60	
300	6.50	8.40	
40	8.40	6.50	
0+00	10.30	4.60	
50	11.00	3.90	
100	11.40	3.50	
50	11.20	3.70	
200	12.30	2.60	
50	14.30	0.60	
300	15.80	-0.90	
40	15.40	-0.50	

Oliver ave

24.65
10.66
13.99 = T.P.
47
14.46 = HI
11.84
2.62

T P marked (4) on 22nd st run = 11.84
R R on same = 2.57
14.41

Pierce ave

Rail Road ave

Seventeenth sheet

Sta	Rod	Elev	HI
0+00	.50	10.20	10.66
50	1.20	9.50	
100	.60	8.50	9.06
50	1.20	7.90	
2.00	2.30	6.80	
50	3.20	5.90	
300	4.10	5.00	
40	4.80	4.30	
0+00	5.60	3.50	
50	6.90	2.20	
100	9.10	0.00	
50	9.30	-0.20	
200	9.60	-0.50	
50	10.20	-1.10	
300	8.60	0.50	
40	6.20	=N C + O R R. 2.90	

BM. 20 + Newton = 1.79
7.27
9.06 = HI
.00
9.06
160
10.66

Twenty Eighth Sheet.

Sta	Rod	Elev	HI
0+00	8.50	70.20	78.69
50	9.10	69.60	
100	8.40	70.30	
50	7.30	71.40	
40	6.80	71.90	
0+00	6.60	72.10	
50	6.00	72.70	
100	6.20	72.50	
50	5.60	73.10	
200	5.00	73.70	
50	4.50	74.20	
300	3.50	75.20	
40	2.40	76.30	
0+00	8.50	76.60	85.07
50	8.50	76.60	
100	4.30	80.80	
50	4.40	80.70	

B.M. 25th and Franklin = 74.95
9 04
83.99
7.43
76.56 = BP
2 13
78.69 = HI

Webster 76.56
8.51
85.07 = HI

Clay

01 Twenty Eighth sheet

Sta	Rod	Elev	HI
200	3.70	81.40	
50	1.50	83.60	
300	1.30	83.80	
40	9.20	86.20	95.40
0+00	8.10	87.30	
50	6.20	89.20	
100	3.80	91.60	
50	3.80	91.60	
200	2.80	92.60	
50	2.00	93.40	
300	2.60	92.80	
40	2.60	92.80	
0+00	4.00	91.40	
50	5.30	90.10	
100	1.90	89.00	90.95
50	3.20	87.70	
200	3.80	87.10	

85.07
97
84.10 = T.P.
11.30
95.40 = HI
5.13
Sargent 90.27 = T.P.
68
90.95 = HI

Woolman

Twenty Eighth sheet

Sta	Rod	Elev	H I
50	4.30	86.60	
300	4.50	86.40	
40	4.90	86.00	
0+00	5.60	84.30	
50	6.50	84.40	
100	7.80	83.10	
50	9.30	81.60	
200	8.90	82.00	
50	10.30	80.60	
300	11.00	79.90	
40	1.90	79.30	81.16
0+00	2.80	78.40	
50	3.20	78.00	
100	4.20	77.00	
50	5.00	76.20	
200	6.20	75.00	
50	6.70	74.50	

90.95
10.39
80.56 = T.P
.60
81.16

Valley ave

Morton ave

Twenty Eighth street

Sta	Rod	Elev	HI
300	7.30	73.90	
40	8.10	73.10	
0+00	9.20	72.00	
50	10.10	71.10	
100	11.00	70.20	

Greeley ave.

Union ave.

81.16
10.75
70.41 = TP
1.90
72.31 = HI

B.M. 28 & Logan = 66.13
R R on adm = 6.15
72.28

Twenty Ninth Street

Sta	Rod	Elev	HI
0+00	1.80		72.49
50	2.80		
100	3.80		
50	4.10		
40	4.50		
0+00	5.00		
50	6.30		
100	7.60		
50	9.30		
200	9.90		
50	10.30		
300	3.20		65.17
40	3.70		
0+00	4.40		
50	5.40		
100	6.90		

Union ave

65.13

B.M. 29 + National = 63.89
8 60
72.49

Logan ave

B.M. 29 + National = 63 89
1.18
65.17

National Ave

11 Twenty Ninth street

Sta	Rod	Elev	HI
50	7.90		
200	8.50		
50	9.40		
300	.10	51.34	
40	.90		
0+00	1.60		
50	1.70		
100	2.20		
50	3.50		
200	5.70		
50	7.20		
300	8.00		
40	8.40		
0+00	9.40		
50	10.40		
100	.50	41.57	
50	2.50		

45.57
.30
45.27 = T.P.
10.07
55.34 = HI
.05
55.29 = T.P.
9.84
65.13 = HI

Grand ave

Boston ave

Twenty North sheet

Sta	Rod	Elev HI
200	3.00	
50	4.10	
300	5.00	
40	5.80	
0+00	7.00	
50	8.30	
100	11.20	
50	13.50	

Nail in alley on 29th bet Topeka & Colfax

=

33.71
11.86
45.57 = HI

Topeka ave

31

Twenty Seventh street

Sta	Rod	Elev	H.I.
0+00	1.10		66.51
50	2.40		
100	4.10		
50	4.40		
40	5.20		
0+00	5.40		
50	7.00		
100	7.90		
50	9.40		
200	9.60		
50	10.20		
300	11.80		
40	1.60		55.63
0+00	2.80		
50	3.70		
100	4.70		
50	5.90		

B.M. 28 + Logan = 66.13

.38

66.51 = 41

11 44

55.07 = T.P.

56

55.63 = 41

Twenty Ninth street.

Sta.	Rod	Elev	H.I.
200	7.30		
50	8.40		
300	9.80		
40	10.90		
0+00	2.60		45.63
50	4.20		
100	5.38		
50	5.60		
200	6.20		
50	6.20		
300	7.70		
40	9.40		
0+00	10.60		
50	12.30		
100	1.90		34.26
50	2.90		
200	3.40		

45.63
10.91
44.72 = T.P.
91
45.63 = H I
11.82
33.81 = T P
45
34.26 = H I

HI Twenty Ninth Street

Sta	Rod	Elev	H I.
50	7.70		
300	3.10		23.17
40	9.00		
0+00	12.10		
50	7.10		14.73
100	9.00		
50	10.00		

34.26
11.58
22.68 = T.P.
49
23.17 = HI
11.72
11.45 = T.P.
3.28
14.73

set spike in Telegraph pole
on Colfax ave bet 27+28 st HI
= 34.26
7.00
41.26

Nail in alley on 29 bet Topeka + Colfax
= 33.91
RR = 7.47
41.18

41 Thirtieth sheet

Sta	Rod	Elev	H.I.
0+00			
50			
100			
50			
40			
0+00			
50			
100			
50	9.80		82.23
200	10.30		
50	10.70		
300	10.60		
40	10.40		
0+00	10,00		
50	8.90		
100	8.80		
50	8.30		

82.23

81.60
10.82
92.42
82.18
10.24

Webster.

Thirtieth Street.

Sta	Rod	Elev	H I
200	8.50		
50	9.30		
300	12.30		
40	9.70		
0+00	8.30		
50	5.80		
100	3.80		
50	2.40		
200	9.30	93.28	
50	8.70		
300	8.80		
40	8.40		
0+00	9.30		
50	10.20		
100	9.10		
50	7.00		
200	4.80		

93.28
11.68
81.60 = T.P.
.63
82.23 = H I

Clay.

Sargent.

Thirtieth Sheet.

Sta	Rod	Elev	H.I.
50	2.80		
300	4.40		
40	5.60		
0+00	5.70		
50	6.30		
100	5.90		
50	6.60		
200	1.20		84.03
50	4.60		
300	6.30		
40	7.20		
0+00	9.30		
50	10.60		
100	7.40		79.50
50	10.60		
200	15.10		
50	15.40		

Woolman

79.50
7.35
72.15 = T.P.
11.88
84.03 = H.I
1.85
82.18 = nail on hitching post

84.03
1.18
82.85 = T.P.
10.43
93.28 = H.I

T sheet

39 Thirtieth Street.

Sta	Rod	Elev	H I
300.	10.40		
40	8.80		
0+00	6.90		
50	5.60		
100	5.50		
50	4.70		
200	4.50		
50	4.50		
300	4.70		
40	4.40		
0+00	3.80		
50	4.20		
100	5.10		
50	6.20		
200	7.20		
50	.50		72.08
300	1.10		

72.08
1.08

M street 71.00
8.50
79.50 = 41

Union ave

Thirtieth Street.

Sta	Rod	Elev.	H I
40	1.70		
1+00	2.30		
50	2.90		
100	3.30		
50	3.80		
200	4.80		
50	6.10		
300	7.60		
40	7.70		
0+00	3.40		66.60
50	5.20		
100	6.50		
50	8.10		
200	9.20		
50	10.10		
300	11.30		
40	2.70		57.43

Logan

57.43
2.69
54.74 = 77
11.86
66.60 = 41
.85
65.75

B.M. 30th & National = 65.74
6.34
72.08 = 41

National

Grand

Thirtieth Street.

Sta	Rod	Elev	H I
0+00	.90		
50	1.90		
100	2.90		
50	4.30		
200	6.20		
50	6.50		
300	14.20		
40	15.40		
0+00	7.40		
50	.80		52.28
100	1.80		
50	3.50		
200	5.80		
50	7.90		
300	9.50		
40	10.60		
0+00	1.30		40.94

40.94
.42
40.52 = T.P
11.76
52.28 = HI
.33
51.95 = T.P.
5.48
57.43 = HI

Boston

check nail in fence on alley at Boston + Topeka
= 50.22

Topeka

Thirtieth Street.

Sta	Rod	Elev	H.I
50	3.30		
100	5.20		
50	7.30		

Nail in alley 29 wt Topeka & Colton

= 33.71
7.23
40.94

North Line Pueblo Lots.
1157 + 1158.

0+00	3.50	68.50	72.04
50	3.80	68.20	
100	3.70	68.30	
50	5.00	67.00	
200	3.80	68.20	
50	3.50	68.50	
300	3.70	68.30	
50	3.20	68.80	
400	3.70	68.30	
50	4.70	67.30	
500	4.90	67.10	
50	5.20	66.80	
600	8.30	63.70	
50	9.80	62.20	
700	7.50	64.50	
50	6.10	63.00	69.11
800	7.80	61.30	

B.M. 25 & Franklin = 74.95
1.33
76.28 = HI
6.47
69.81 = TP
2.23
72.04 = HI
9.21
62.83 = TP
6.28
69.11 = HI

West side 28th

50	8.90	60.20	
900	8.30	60.80	
50	7.40	61.70	
1000	7.40	61.70	
35	7.00	62.10	
1050	7.50	62.10	69.63
1100	4.70	64.90	
50	4.00	65.60	
1200	3.80	65.80	
50	2.80	66.80	
1300	4.40	65.20	
50	5.20	64.40	
1400	5.80	63.80	
50	6.90	62.70	
1500	6.20	63.40	
50	6.40	63.20	
1600	6.80	62.80	

69.11
6.05
63.06 = mp
6.57
69.63 = M1

Center Franklin av.

162.5	7.90	61.70	
260.6	4.40	59.00	63.39
110.6	7.10	56.30	
160.6	9.40	54.00	
210.6	9.60	53.80	
260.6	10.60	52.80	
297.6	10.80	52.60	
310.6	10.70	52.70	
360.6	12.60	50.80	
410.6	4.80	49.70	54.54
460.6	6.30	48.20	
510.6	4.80	49.70	
560.6	5.80	48.70	
176.3	5.50	49.00	
126.3	5.00	49.50	
176.3	6.60	47.90	
226.3	7.00	47.50	

576.3
297.6
278.7

center Grant

West line Grant

69.63
7.98
61.70 = T.P.
1.69
63.39 = H.I.
10.95
52.44 = T.P.
2.10
54.54 = H.I.

center alley Grant & Hanson

Center Hanson

276.3	8.10	46.40	
326.3	8.10	46.40	
358.3	8.30	46.20	
376.3	5.30	45.80	51.11
50	7.80	43.30	
100	10.90	40.20	
50	12.10	39.00	
200	15.40	35.70	
50	9.70	41.40	
300	6.90	44.20	
50	5.20	45.90	
400	3.40	47.70	
50	4.50	46.60	
500	1.90	45.70	47.55
50	4.20	43.40	
73	5.40	42.20	
600	6.70	40.90	

54.54
8.13
46.41 = T.P.
470
51.11 = H.I.
3.87
47.24
31
47.55 = H.I.

Center alley Harrison Irving

center alley Irving & Julian

150	8.70	38.90	
700	12.20	35.40	
50	6.50	33.50	40.05
40	5.80	34.20	
0+00	8.10	31.90	
50	12.10	27.90	
100	13.70	26.30	
50	13.40	26.60	
200	10.80	29.20	
40	9.20	30.80	
0+00	4.90	35.10	
50	8.40	34.10	42.47
60	8.80	33.70	
100	16.50	26.00	
50	10.90	21.40	32.26
200	12.65	19.70	
40	5.90	18.40	24.33
0+00	6.60	17.70	

center 21st st Sherman 47.55 — 47.55
11.62 — 4.21
West line 21st " " 35.93 — 43.34
4.12 — 4.71
40.05 = H' — 48.05
3.78
36.27 = T P.
6.20
42.47 = H'

B.M. 21 & N = 45.196
R R = 2.86
Center of 20th Sherman 48.056 — 42.47
11.67
West line 20 " " 30.86 = T P.
1.46
32.26 = H'
center alley Julian & Kearney 11.76
20.50
3.83
24.33 = H'

19th st Sherman
West line 19 " "

50	4.60	19.70	
100	4.90	19.40	
50	5.60	18.70	
200	2.20	18.00	20,16
40	3.30	16.90	
0+00	3.50	16.70	
50	8.70	11.50	
100	4.70	15.50	
50	1.70	15.70	17.36
200	1.70	15.70	
50	5.20	12.20	
300	9.40	6.00	
50	5.40	12.00	
400	6.30	11.10	
50	7.40	10.00	
5+25	7.60	9.50	

12.95
4.41
17.36

24 33
5.50
18.83
1.33
20.16

Eastline 18th & Sherman

Center

BM 20 & Logan 12.95
7.21
20.16

Center alley Kearney & Logan

line Logan a

E line 20th & West line Logan

300
50
400
8

East line S - 20 th

Line from east line 21st St and center alley bet Pierce + Rail Road ave 5- 20th

0+00	3.50	4.40	7.87
50	4.70	3.20	
100	6.40	1.50	
50	7.30	0.60	
200	8.30	-0.40	
50	8.90	-1.00	
300	8.40	-0.50	
50	6.50	1.40	
400	4.40	3.50	
50	3.60	4.30	
490.2	5.30	2.60	
5+50	4.50	3.40	
600	4.20	3.70	
50	3.70	4.20	
700	5.10	2.80	
50	5.50	2.40	
800	6.60	1.30	

0+0 = East side of 21st St & Center ℄ alley Bet Pierce + Railroad

7.87
1.68
6.19 = M.P
1.26
7.45 = H1

B.M. 20 & Newton = 1.79
5- 6 5-
7.44

center alley bet main and Pierce
dist from W line 21st = 250. West ℄ west line 21st

50	4.90	3.00	
87.7	5.20	2.70	
9+50	10.00	3.60	13.59
1000	9.80	3.80	
50	8.40	5.20	
1100	9.10	4.50	
50	9.80	3.80	
1200	10.20	3.40	
50	8.40	5.20	
1300	6.70	6.90	
50	6.10	7.50	
1400	7.20	6.40	
1430	6.00	7.60	
1450	6.70	6.90	
1500	5.60	8.00	
50	6.50	7.10	
1600.	8.20	5.40	

center alley wt newton and main dist 273'. from East line 20th st. East.

13.59
9.44
4.15 = T.P.
3.72
7.87 = H1

intersect S line Hilton ave 118 E of E line 20th

50	8.50	5.10
1700	8.20	5.40
50	7.10	6.50
1800	5.80	7.80
1814.5	3.90	9.70

Intersect Public line 6.5' E. of E line of 16th st.

B.M. 20 + Logan = 12.95
.64
13.59 = H I

Alley bet M and N. 24th & 27th

0+00	5.80	50.40	56.21
50	8.00	48.20	
100	9.50	46.70	
50	6.50	49.70	
200	3.70	52.50	
50	7.30	54.60	61.89
300	7.10	54.80	
50	7.70	54.20	
400	6.30	55.60	
50	5.20	56.70	
500	4.60	57.30	
50	4.40	57.50	
600	3.60	58.30	
50	3.50	58.40	
0+00	2.90	59.00	
50	2.80	59.10	
100	2.80	59.10	

B.M. 24 & N = 50.64
cent 24
5.57
56 21 = H
3.57
52 64 = T.P.
9.28
61.89 = H

50	2.70	59.10	
200	6.20	58.20	64.36
50	7.70	56.70	
300	8.50	55.90	
50	7.40	57.00	
400	5.10	59.30	
50	4.30	60.10	
500	4.30	60.10	
60	3.90	60.50	
30	3.60	60.80	
0+00	3.20	61.20	
50	5.20	60.30	65.53
100	7.00	58.50	
50	7.30	58.20	
200	6.20	59.30	
50	6.80	58.70	
300	7.00	58.50	

centre alley running N & S.

6189
2.18
59.71 = T P
4.65
64.36 = H'
4.50
59.86 = T P
5.67
65.53 = H'

centre 26th al

50	5.60	59.90
400	4.40	61.10
50	4.20	61.30
500	3.90	61.60
50	2.90	62.60
600	1.30	64.20
	1.40	64.10

65.53
77
64.76 — 7 P

cent 27th

Alley L and M. 24th to 27th

0+00	5.70	61.20	66.94
50	9.30	57.60	
100	9.60	57.30	
50	7.80	59.10	
200	10.70	56.20	
50	7.90	59.00	
300	6.00	60.90	
50	6.40	60.50	
400	8.00	58.90	
50	6.70	60.20	
500	7.50	59.40	
50	11.20	62.50	73.67
600	8.50	65.20	
50	8.30	65.40	
0+00	6.30	67.40	
50	7.40	66.30	
100	7.60	66.10	

73.67
11.02
62.65 = TP
4.29
66.94 = H.I.
1.38
65.56 = TP
7.09
72.65 = H.I.

B.M 24 + L = 67.862
4.84
72.70

50	5.50	68.20	
200	4.20	69.50	
50	3.80	69.90	
300	4.20	69.50	
50	4.70	69.00	
400	3.90	69.80	
50	4.80	68.90	
500	5.00	68.70	
60	5.40	68.30	
30	5.80	67.90	
1+00	5.10	67.60	72.68
50	5.60	67.10	
100	8.90	63.80	
50	8.60	64.10	
200	8.10	64.60	
50	8.10	64.60	
300	7.10	65.60	

72.68
5.03
67.65 T.P.
6.02
73.67 = #1

Center 26th at

50	5.80	66.90
400	5.10	67.60
50	5.70	67.00
500	5.60	67.10
50	5.20	67.50
600	4.60	68.10
	3.80	68.90

64.96
7.92
72.68 = H1

Cent 27th 2d

Alley K and L. 24th & 27th

0+00	3.50	70.60	74.05
50	5.40	68.60	
100	5.60	68.40	
50	6.30	67.70	
200	7.60	66.40	
50	8.20	65.80	
300	8.50	65.50	
50	8.40	65.60	
400	5.70	68.30	
50	2.90	71.10	
500	.70	73.30	
50	7.20	73.10	80.28
600	8.30	72.00	
50	9.10	71.20	
0+00	7.90	72.40	
50	6.80	73.50	
100	5.70	74.60	

80.28
7.25
73.03 = T.P
1.02
74.05 = H.I

67.86 = B.M. 24 + L.
6.19
74.05

Center 25th L

50	4.80	75.50	
200	4.60	75.70	
50	4.90	75.40	
300	5.20	75.10	
50	4.90	75.40	
400	6.00	74.30	
50	7.80	72.50	
500	7.90	72.40	
60	7.20	73.10	
30	6.40	73.90	
600	5.90	74.40	
50	4.40	75.90	
100	11.40	78.00	89.40
50	9.00	80.40	
200	7.10	82.30	
50	6.10	83.30	
800	5.30	84.10	

89.40
11.30
78.10 = TP
2.18
80.28 = H'

50	500	84.40	
400	4.60	84.80	
50	3.50	85.90	
500	1.80	87.20	88.98
50	1.30	87.70	
600	1.80	87.20	
	2.30	86.70	

B.M. L. 26 & 27 = 77.77
11.21
88.98 = H I
2.62
86.36 = T P
3.04
89.40 = H I

Cent 27th st

28th Pueblo line to alley
bet K + L sts

0+00	4.80	67.30	72.09
25.3	5.60	66.50	
75.3	6.80	65.30	
125.3	8.10	64.00	
40	7.40	64.70	
0+00	8.80	63.30	
50	7.40	64.70	
100	6.30	65.80	
50	6.40	65.70	
200	6.50	67.40	73.88
50	5.30	68.60	
300	4.80	69.10	
40	4.90	69.00	
0+00	4.50	69.40	
50	7.90	66.00	
100	5.80	68.10	
50	4.70	69.20	

B.M. 25 + Franklin = 74.95
1.40
76.35 = HI
6.54
69.81 = TP
2.28
72.09 = HI
6.33
65.76 = TP
Center N street 8.12
73.88 = HI

Center M st

200	2.20	71.70	
50	.40	73.50	
300	10.50	74.70	85.24
40	9.60	75.60	
0+00	8.20	77.00	
50	6.10	79.10	
100	3.80	81.40	
50	4.0	84.80	

73.88
72
73.16 = T.P.
12.08
85.24 = H.I.

Center Line

B.M. L. 26 + 27 = 77.77
R.R. rail = 7.48
85.25

T. 29th st from Pueblo line to alley bet K + L sts

0+00	6.90	67.90	74.78
25	7.50	67.30	
75	7.30	67.50	
128	9.80	65.00	
40	9.20	65.60	
0+00	7.40	67.40	
50	6.40	68.40	
100	5.50	69.30	
50	5.30	69.50	
200	4.30	70.50	
50	3.50	71.30	
300	10.00	72.20	82.16
40	9.30	72.90	
0+00	9.10	73.10	
50	8.80	73.40	
100	9.90	72.30	
50	9.40	72.80	

82.16
9.86
72.30 = T. P
2.48
74.78 = H

Center K st.

First T. P. on 28th st sum = 69.81
R R on same = 4.99
74.80

Center M st

200	10.70	71.50
50	6.70	75.50
300	4.80	77.40
40	4.10	78.10
0+00	3.70	78.50
50	2.60	79.60
100	4.10	78.10
50	4.30	77.90

81.2 ℄
5.86
79.38 = T' P
2.78
82.16 = H'

Centre Line

30 th 2t Pueblo line to alley
bel 1t + 2 -

0+00	5.90	68.90	74.80
21.5	6.00	68.80	
71.5	5.60	69.20	
121.5	8.50	66.30	
40	7.70	67.10	
0+00	5.40	69.40	
50	5.20	69.60	
100	3.70	71.10	
50	5.10	69.70	
200	4.70	70.10	
50	3.00	71.80	
8.00	3.30	71.50	
40	2.70	72.10	
6+00	2.30	72.50	
50	1.00	73.80	
100	5.70	75.20	80.89
50	5.20	75.70	

7480 = H I
90
7390 = T P
699
80.89 = H I

Center N of L

Center M of L

200	3.80	77.10
50	3.40	77.50
300	2.50	78.40
40	2.20	78.70
0+00	1.60	79.30
50	2.60	78.30
100	2.90	78.00
50	2.60	78.30

80.89

Center L. d

T. P. on 29 near alley K + L = 79.38
R R on same = 1.55
80.93 = 41

Alley M + N streets from 30th st East to 30th st west

0+00	3.70	75.80	79.00
50	4.40	75.10	
100	4.60	74.90	
50	3.60	75.90	
200	4.50	75.00	
50	6.00	73.50	
300	6.00	73.50	
50	6.80	72.70	
400	7.00	72.50	
50	6.80	72.70	
500	6.60	72.90	
50	6.30	73.20	
600	6.40	73.10	
30	6.00	73.50	
0+00	5.30	72.80	78.06
50	6.00	72.10	
100	7.90	70.20	

B.M. 30th & M = 75.00
4
79.00
6.07
72.93 = TP
5.13
78.06 = HI

29th

50	8.60	69.50	
200	8.40	69.70	
50	7.80	70.30	
300	6.90	71.20	
50	6.40	71.70	
400	5.70	72.40	
50	6.10	72.00	
500	6.70	71.40	
50	7.20	70.90	
600	7.80	70.30	
616	8.30	69.80	South 30° West

78.06

Alley L & M. from 30th st East

	30th st east		
0+00	5.00	72.90	77.91
50	5.20	72.70	
100	5.70	72.20	
50	5.80	72.10	
200	6.30	71.60	
50	6.60	71.30	
300	6.20	71.70	
50	6.50	71.40	
400	6.20	71.70	
50	9.80	71.80	81.62
500	9.00	72.60	
50	8.70	72.90	
600	7.80	73.80	
30	7.20	74.40	
0+00	6.70	74.90	
50	6.60	75.00	
100	6.10	75.50	

81.62
9.07
72.55 = T.P.
5.36
77.91 = HI

B.M. 30 + M = 75.00
R R = 2.91
77.91 = HI

50	4.80	76.80	
200	4.60	77.00	
50	4.50	77.10	
300	4.40	77.20	
50	4.50	77.10	
400	4.50	77.10	
50	4.80	76.80	
500	5.20	76.40	
50	6.00	75.60	
600	6.20	75.40	
616	5.70	75.90	center 3 o'clk west

78.06
2.15
75.91
5.71
81 62

Alley bet Franklin and Grant av.

0+00	4.40	91.40	95.81
60	6.80	89.00	
110	10.00	85.80	
160	10.30	85.50	
210 x	11.80	84.00	
260	10.60	85.20	
310	10.30	85.50	
360	8.20	87.60	
410	7.50	88.30	
30	4.00	89.40	93.43
0+00	3.40	90.00	
50	2.70	90.70	
100	2.80	90.60	
50	4.50	88.90	
2+00	5.30	88.10	
50	5.30	88.10	

Centre 28th st.

93.43
3.75
8968
6.13
95.81 = HI
277
93.04
5
98.04 = HI

BM 26th & Harrison = 95.37
265
98.02 = HI

Centre 26th st

300	5.60	$7.80	
50	7.80	$5.60	
400	2.40	$4.00	86.39
50	3.80	$2.60	
100	6.50	79.90	
50	6.40	$0.00	
600	6.70	79.70	
30	6.10	$0.30	8642
0400	4.30	$2.10	
50	4.70	$1.70	
100	4.10	$2.30	
50	3.70	$2.70	
200	2.00	$4.40	
50	1.30	$5.10	
300	.40	$2.40	
50	1.10	$6.40	87.51
400	4.30	$3.20	

B. M. 257 Frankl = 74.95
11.47
86.42 = H1
96
85.52 = T.P.
1.99
87.51 = H1

Cents 25th sl

74.95
11.44
86.39 = H1
1.72
8467 = T.P.
8.76
9343 = H1

50	8.70	78.80	
100	3.00	73.90	76.86
50	6.20	70.70	
600	8.00	68.90	
40	12.20	64.70	Pueblo lot line

87.51
11.23
76.28 = T.P.
58
7686 = H.I.
735
69.51 = T.P.
764
77.15 = H.I.

B.M. 25 + Franklin = 74.95
R R = 2 22
77.17 = H.I.

Resurvey of Main line from West line between Perce & Railroad Ave—

Stat	Rod (14.66)	
0+0	4.90	9.80
50	7.60	7.10
1+00	8.70	6.00
50	9.00	5.70
2+00	9.00	5.70
50	7.50	7.20
	(12.48)	
3+00	4.00	8.50
+12	3.80	8.70
+50	4.40	8.10
+96	4.10	8.40
4+00	5.20	7.30
50	4.50	8.00
5+00	3.00	9.50
50	3.50	9.00
6+00	5.80	6.70
50	7.00	5.50
7+09	6.40	6.10

Organ to Centre alley on North side 21st

Stat 0+0 is at intersection of Pueblo Ave and West line of Organ & about 2.8 ft East of the prolongation of East line of 16th street

12.96 - BM
1.71
14.66
6.63 -
8.01
4.47
12.48
4.61
7.87

Centre alley

East line Weiden

West line Weiden 466 feet West of West line 21st

Centre alley Bet Weiden & Newton

East line Newton 377 ft West of West line 21st st

Stat		
7+50	4.50	8.00
+92	6.60	5.90
8+00	6.60	5.90
50	6.50	6.00
9+00	7.50	5.00
50	7.50	5.00
10+00	7.10	5.40
50	6.50	6.00
11+00	5.80	6.70
8 +08	5.70	6.80
42 +50	(10.23) 4.70	5.50
12+00	4.70	5.50
50	5.60	4.60
13+00	6.40	3.80
+36	7.60	2.60

7.87
2.35
10.22

Center

West line Newton 352 ft West of West line of 21st

Center Alley

East line of Main thru Point on 260.5 feet from West line of South 21st

Center alley Bet Main & Pine thru Point is 250 ft West of West line 21st St

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

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