

1121

THE BOOK

30

MICROFILMED

DEC 21 1964

2577 1717

2935  
7757  
140732

Book No 1121

Lexington Park servers

INDEX

Plotted

Levels on Servers  
Center Alley East + West Block 31  
Between Pepper Dr + Sycamore  
For Location See Page 114

B.M. Pepper Dr + Azalea Pk 0.84	257.99	257.15	75.50 P 11.4
0+00 @ on Hub	9.48	48.51	
+25	8.2	49.8	
+50	7.5	50.5	
+75	6.5	51.5	
1+00	5.5	52.5	75.50 P 12.5
+25	4.7	53.3	
+50	4.8	53.2	
+75	5.6	52.4	
2+00	6.6	51.4	
+25	7.2	50.8	
+50	8.2	49.8	
W.P.L. Sycamore +790.07 @ P.O.T. on Hub	7.97	250.02	
3+09.07 @ Pl. Alley + Sycamore	7.35	250.64	

Plotted

Levels on Servers  
Center Pepper Drive  
From Lot 35 + 31(B) 32 to W. Hoop  
For Location See 118

	257.99		40.77 P 11.6
0+00 @ on Hub	8.48	249.51	
+25 @ P.O.T.	6.65	251.34	
+50	5.7	52.3	
+75	4.8	53.2	
1+00	4.4	53.6	
+25	4.3	53.7	
+50	4.6	53.4	
+75 @ P.O.T. on Hub	5.23	52.76	50.77 50.2 P 8.6 8.2
2+00	5.8	52.2	
+25	6.6	51.4	
+50	7.5	50.5	50.77 50.2 P 11.6 12.2
+75	8.5	49.5	
3+00	9.7	48.3	
+25	10.8	47.2	
+50	12.4	45.6	
T.P. 1.99	242.31	12.67	245.32
+25		3.7	43.6
+50		5.8	41.7
+25		7.9	39.4
+50		9.5	37.8
+75		10.5	36.8
5+00		11.2	36.1
+25		11.6	35.7
+50		12.2	35.1

Cont Page 3

Plotted

Levels on Sewers.  
Center Pepper Dr to Willow Cont.

Cont From Page 2

247.31

5+75		12.5	234.8
6+00		13.0	234.3
T.P.	11.35	245.72	12.94 234.37
+25.99	⊙	= 261.83.97 P.O.T.	11.98 233.74
		P.I. Pepper Dr & Willow	

Plotted

Levels on Sewers.  
Center Sycamore Dr.  
From Lot 748 to P.I. on Orchid St.  
For location Page 110

10-20-74

245.72

0+00	⊙ on Hub	4.3	241.4	
+25		4.3	41.4	
+50		4.7	41.0	50'S 4.5
+75		4.9	40.8	
1+00		4.9	40.8	50'S 5.5
+25		4.7	41.0	
+50		4.7	41.0	
+75		4.3	41.4	
2+00		3.8	41.9	
+25		3.4	42.3	
+50		2.8	42.9	
+75		2.3	43.4	
	P.I. Orchid			
+98.72	⊙ P.O.T.	1.74	243.98	
	P.I. Orchid & Sycamore			
3+23.23	⊙ = 19+41.04 D.P.	0.57	245.15	
	Con. Man.			
B.M. Orchid & Willow		6.83	238.89	238.86

Plotted

Levels on Sectors  
Center Tulip St. From Willow to Sycamore  
For Location Page 116  
10-20-24

B.M. Con Mon	Tulip Willow	725	260.46	253.21	50'E R 12.1
0+00	on Hub	7.17		253.29	
+25		6.9		53.6	
+50		6.6		53.9	
+75		6.3		54.3	
1+00		6.2		54.4	50'E R 13.7
+25		5.9		54.6	
+50		5.5		55.0	
+75		5.2		55.3	50'E R 14.6
2+00		4.6		55.9	
+25		3.9		56.6	50'E R 13.0
+50		3.1		57.4	
+75		2.3		58.2	50'E R 9.5
3+00		1.5		59.0	
+25		0.8		59.7	
+50		0.1		60.4	50'E R 7.2
T.P.	5.92	266.24	6.14	260.32	
+75			5.3	60.9	
4+00			4.6	61.7	50'E R 11.3
+25			3.8	62.4	
+50			3.4	62.8	
+75.270	= 14+16.264R on Hub		3.16	263.08	

Plotted

Levels on Sectors  
Center Alley East & West Block 29  
From X Linuleto 17 to P.I. orchid  
For Location Page 118

B.M. Con Mon	Tulip Willow	230	253.51	253.21	100' 50" R 10.2
0+00		4.25		251.26	
+25		3.0		52.5	
+50		2.6		52.9	100' 50" R 8.9
+75		3.1		52.4	
1+00		3.8		51.7	
+25		5.0		50.5	
+50		5.7		49.8	
+75		6.6		48.9	
2+00		6.7		48.8	
+25		7.8		47.7	
+45		9.2		46.3	
+50		11.9		43.6	
+63.7	on Hub P.I. Alley orchid	11.44		244.07	

Spotter Levels E/ Cajon Ave. 3<sup>rd</sup> N S. L.  
From E Alley Block D to E Alley Block C Belmont

Plotted

2226  
Cassin  
8105  
N. E. No. 0

E Cajon Road

BM	7.6	355.67		348.71
TP	1288	366.28	2.27	353.40
0+0	E Alley S. L. D Belmont 3 <sup>rd</sup> N S. L. E Cajon		0.3	366.0
+50			1.1	362.2
+96	E Top Conc. Drive		4.88	361.40
+100			6.4	359.9
+38	Top Curb		7.66	358.62
	Gutter		8.2	358.1
+56.5	E 49 <sup>th</sup> St or Cerras Ave		8.7	357.6
+75.0	Top Curb		9.80	356.48
2+00			10.1	356.2
+50			11.0	355.3
3+00			11.8	354.5
+13.8	Top Curb Alley Rd		11.86	354.42
	Gutter		12.6	353.7
+24	E Alley Block C Belmont		12.4	353.9

Spotter Levels E/ Cajon Ave. 3<sup>rd</sup> N S. L.  
From E Alley Block 45 to E Alley Block 46 Fairmount Add.

Plotted

				366.28
0+0	E Alley Block 45 Fairmount		1.5	361.8
+101	Gutter		4.3	362.0
	Top Curb		3.72	362.55
+50			5.8	360.5
1+00			7.8	358.0
+19	Top Curb		9.21	357.07
	Gutter		10.0	356.3
+67.3	E 39 <sup>th</sup> or Cerras Ave		10.4	355.9
+85.7	Gutter		11.3	355.0
	Top Curb		10.84	355.44
2+00			11.0	355.3
+50			12.0	354.3
3+00			13.0	353.3
	Top Curb		13.0	353.3
+24.6	Gutter		13.0	352.4
+34.7	E Alley Block 46 Fairmount		14.7	352.1

9  
 Section Levels of Estrella  
 From S. Florence 300' South Fairmount Wd.  
 Plotted

		366.28	Bit. Ford Page?	
TP	1.06	354.98	12.36	353.92
TP	3.62	351.71	6.89	348.09
0+00 = S. Florence			4.8	348.9
+18			4.7	347.0
+35			3.8	347.9
+50			3.6	348.1
+100			3.4	348.3
+150			4.1	347.6
+200			5.4	346.3
+250			7.4	344.3
3+00 = S. Florence			9.7	342.0

50' N Block  
 9.3 342.4  
 20' N Block  
 10.0 341.7

		350.47		
TP	8.04	353.65	1.84	345.61
B.M.			2.98	350.67

NW BR  
 Orange 14 Each  
 350.67

Section Levels of 411' Block 34 Fairmount  
 Between Estrella and 48th St.  
 From S. Florence to 175' South

		351.71		
0+00 M.H. Floor Line			41.75	339.96
- S. Florence			7.46	344.25
Top M.H.			7.7	344.0
+25			5.7	346.0
+36			6.3	345.4
+50			7.3	344.4
+100			9.2	342.5
+150			12.9	338.9
+25				
TP			48.4	

10  
 2 2 26  
 3 3 50  
 9 1 55  
 North

50' N  
 10.0  
 14.4 337.3

Section Levels of 411' Block  
 From S. Florence to S. Orange

		351.71		
0+00 = S. Florence			8.9	342.8
+50			10.1	341.6
+100			10.9	340.8
TP	4.53	345.66	10.58	341.13
+10 Floor Line DEAN EN			9.60	336.0
Ground on Pitt			4.8	340.8
+50			4.4	341.2
+200			2.7	342.9
+150			0.6	345.0
TP	5.30	350.47	0.19	345.17
+30			3.3	347.2
+50			2.5	348.0
+40			2.2	348.3
+50			4.5	346.0
+10			6.5	344.0
+100 S. Orange			6.2	343.3

50' E 50' E  
 10.0 334.8  
 10.0 329.0  
 50' E  
 10.0 334.6



Plotted  
 Levels on Servers  
 Center Lilac  
 From Miller to Sycamore  
 Location See Page 93  
 10-21-24  
 H. J. ...  
 ...  
 ...

BM Githo				
Lilac Miller	10.85	266.07	255.18	
0+00		9.2	256.9	
+25		8.2	57.9	
+50		7.4	58.7	50'E 50'E 81 69
+66 <sup>56</sup>		7.05	259.02	
1+00		6.8	59.3	
+25		6.3	59.8	
+50		6.3	59.8	
+75		5.6	60.5	50'E 66
2+00		4.7	61.4	
+25		3.8	62.3	
+50		3.3	62.8	
+75		2.7	63.4	
3+00		2.0	64.1	
+25		1.7	64.4	
+50		1.1	65.0	
+75		0.9	65.2	
4+00		0.5	65.6	
+25		0.0	66.1	
T.P.	10.06	275.73	0.40	265.67
+50			9.4	66.3
+75			8.9	66.8
5+00			8.5	67.2
+4081			9.09	266.64
on Hub				9+98.32 R. Lilac + Sycamore

Plotted  
 Levels on Servers  
 Violet St From Radius  
 At South End to Sycamore  
 For Location See Page 95  
 12

0+00	5.55	270.18	275.73	60.5 P. 9.2
+25		4.9	70.8	
+50		4.5	71.2	
+75		4.3	71.4	
1+00		3.7	72.0	
+25		3.0	72.7	
+50		2.7	73.0	
+75		2.4	73.3	
2+00		2.1	73.6	50'E P. 2.2
+25		1.6	74.1	
+50		1.1	74.6	
+75		1.20	75.2	
3+00		10.3	76.9	
+10.98		10.00	277.75	
on Hub				
T.P.	11.71	287.15	0.29	275.74
+75			12.0	75.2
3+00			10.3	76.9
+10.98			10.00	277.75
on Hub				

Levels on Serrers  
Sycamore  
From Violet to Primrose

	287.15	
0+00	9.0	
+25	8.6	
+50	8.0	
+75	7.5	
1+00	7.1	
+25	6.9	
+50	6.7	
+75	6.6	
2+00	6.4	
+25	6.2	
+50	6.2	
XPL Primrose +78.60	6.90	
PI Sycamore at Primrose 3+05190 = 1+93.07	7.31	

50'50"  
P  
88

Plotted

Levels on Serrers  
Center Primrose From so. End to P.I. Primrose

	287.15	
0+00	12.37	274.78
+25	11.2	76.0
+50	10.2	77.0
+75	9.7	77.5
1+00	9.3	77.9
+25	8.7	78.5
+50	8.4	78.8
+75	7.9	79.3
2+00	7.31	279.84
+25	6.4	
+50	6.1	
+75	5.7	
3+00	5.4	
+25	4.93	
+50	4.9	
+75	4.8	
4+00	5.0	
+25	5.6	
+50	5.8	
+75	6.0	
5+00	5.4	
+25	4.2	
+50	3.6	
+75	3.4	
6+00		
+25		

50'E  
P  
122

50'E  
P  
145

50'E  
P  
122

40'E  
P  
132

Cont Page 15

Cont From Page 14

<del>6+50</del>	<del>287.15</del>	<del>3.4</del>	
<del>+75</del>		<del>2.4</del>	
<del>7+00</del>		<del>1.5</del>	
<del>+10.770 on Hub</del>		<del>1.55</del>	<del>285.60</del>

Levels on Servers

Center Alley From Violet to Primrose  
Between Pepper Dix Sycamore

<del>0+00</del>	<del>287.15</del>	<del>5.78</del>
<del>+25</del>		<del>5.3</del>
<del>+50</del>		<del>4.4</del>
<del>+75</del>		<del>4.2</del>
<del>1+00</del>		<del>3.7</del>
<del>+25</del>		<del>2.2</del>
<del>+50</del>		<del>2.0</del>
<del>+75</del>		<del>2.5</del>
<del>2+00</del>		<del>2.5</del>
<del>+25</del>		<del>2.7</del>
<del>+50</del>		<del>2.2</del>
<del>+75</del>		<del>3.0</del>
<del>+95</del>		<del>3.8</del>
<del>3+00</del>		<del>5.5</del>
<del>+06.930 on Hub</del>	<del>3165.60</del>	<del>4.93</del>

17  
Plotted

Levels on Servers  
Center Primrose From 2 Alley  
Between Holly wood + Pepper Dr  
To Pt. of Sycamore

10-22-21

T.P. on Hub For Location Page 121

7+10.97	517	290.77	285.60
0+00	517		285.60
+25	5.6		85.2
+50	6.6		84.2
+75	7.1		83.7
1+00	7.2		83.6
+25	7.8		83.0
+50	8.5		82.3
+75	9.5		81.3
2+00	9.4		81.4
+25	9.4		81.4
+50	9.0		81.8
+75	8.6		82.2
3+00	8.5		82.3
+25	8.5		82.3
+45.17	8.56		282.21
+75	8.9		81.9
4+00	9.2		81.6
+25	9.6		81.2
+50	9.9		80.9
+75	10.3		80.5
5+00	10.8		80.0
111.69	10.98		279.79

Δ L on Hub MH # 49

5+00 P.I. Primrose + Sycamore  
111.69 @ - 1499.08 MH # 49

Plotted

Levels on Servers  
Center Alley Between Holly wood + Pepper  
From Lot 14+15 Block 14 To Violet St  
For Location Page 119

18

10-22-21  
H.H.H.  
C.B. Walker  
H.A. Preston  
A.S. Sisson

T.P. on Hub 290.77

0+00	0.21		290.56
+25	0.4		90.4
+50	0.6		90.2
+75	0.9		89.9
1+00	1.2		89.6
+25	1.5		89.3
+50	1.8		89.0
+75	2.5		88.3
2+00	3.1		87.7
+25	3.50		287.27
+50	4.1		86.7
+75	5.1		85.7
3+00	5.7		85.1
+25	6.0		84.8
+35	6.8		84.0
+50	7.6		83.2
+75	13.6		77.2
+65	20.7		70.1
T.P.	2.99	281.86	11.90
+80			278.87
+90			66.3
4+00			15.6
+15			11.3
			70.6
			8.5
			73.4
			2.2
			79.9
T.P. on Hub	5.17	290.77	285.60

75 E  
6.7  
50 E  
16.5  
MH # 49  
on Hub

Cont 19

Levels on Gangers  
Center Alley Between Holly Road & Pepper

Plotted

	Cont From 18	
	296.77	
4+50	4.6	286.2
+75	4.6	86.7
E.P.L. Primrose		
+85	5.0	85.8
5+00	5.6	85.2
+06.41 @ = 0+00		
M.P.L. Primrose Hub	5.7	285.60
5+3477.0	4.9	286.08
+50	5.5	85.3
+75	4.9	85.9
6+00	4.7	86.1
+25	4.4	86.4
+50	3.0	87.8
+75	3.9	86.9
7+00	3.8	87.0
+25	4.1	86.7
+50	4.6	86.2
+75	5.0	85.8
8+00	4.9	85.9
+25	5.1	86.4
+50	5.4	86.4
+75	4.8	86.0
9+00	5.7	85.1
+25	6.2	84.6
+50	6.5	84.3
+75	5.0	284.9

Cont Page 20

Plotted

	Cont From 19	
	296.77	
10+00	6.7	284.1
+75	7.2	83.6
E.P.L. Violet		
+35	7.2	83.6
+50	8.4	87.4
R.V. Violet + Alley		
+58.88 @ = 0+28.00 on Hub	7.88	282.95

21  
Plotted

Levels on Benner

Center Alley From Primrose to Violet

108 Block 12 Between Pepper Dr + Sycamore

For Location See Page 103

F.P.

00 Hub 344577 530 288.12 288.72

0+00 80H0 3.32 284.80

+25 3.5 84.6

+50 3.6 84.5

+75 3.2 84.9

1+00 2.9 85.2

+15 3.2 84.9

+25 4.1 84.0

+50 4.8 83.3

+75 5.4 82.7

2+00 5.8 82.3

+25 6.5 81.6

+50 6.7 81.4

+75 7.7 80.6

3+00 8.0 80.1

E.P.L. Violet  
+70 8.7 79.4

+25 8.7 79.4

+44.72  $\odot = 3143.38$   
07 Hub 8.52 279.60

3+77.4 A

Plotted

Levels on Benner

Center Sycamore From Primrose

To P.L. Violet

22

Cont From Page 14

For Location 101

M.P.L. Primrose  
2+25.3/6 ROT  
on Hub 288.12 7.84 280.28

+50 7.3 80.8

+75 7.2 80.9

3+00 7.4 80.7

+25 7.6 80.5

+50 7.7 80.4

+75 8.0 80.1

4+00 8.3 79.8

+25 8.7 79.4

+50 9.3 78.8

+75 10.0 78.1

5+00 10.5 77.6

+25 10.9 77.2

+50 10.6 77.5

P.L. Violet + Sycamore  
+73.9  $\odot = 3140.98$  10.98 277.14

Levels on Sectors  
Center So Alley Block 22  
East Mariposa

For Location Page 133

12-18-24  
H. Miller  
C.B. Miller  
1.5.50T.P. on Hub  
R. Mariposa  
+ 11.16 = 11.29.3

10.16

765.06

0+00

on Hub

10.30

754.76

+25

8.5

756.6

+50

7.0

758.1

+75

5.9

759.2

E.P.L. Mariposa

1+00

R. Alley + Mariposa

4.52

760.14

+75.62

O = 1+88.06

4.31

760.75

Levels on Sectors  
Center So Alley Block 23  
West Mariposa

For Location Page 134

T.P. on Hub

R. Mariposa

Willow 2116.58

1.20.13

10.16

765.06

754.90

T.P.

5.88

769.20

1.74

763.32

0+00

E. Alley Line

O

on Hub

1.84

767.36

+25

1.1

768.1

+50

.08

768.4

+75

1.3

768.9

1+00

2.9

766.3

+25

.48

764.4

+50

6.2

763.0

+75

8.4

760.8

R. Alley + Mariposa

+88.06

O = 1+25.62

on Hub

8.46

760.74

25

Levels on Servers  
Center So. Alley Block 23 12-18-24  
West Magnolia  
For Location Page 135

T. Pan Hub Pl. Mariposa Millery 271692-142913	10.16	265.06		254.90
T.P.	5.88	269.20	1.74	263.32
0+00			3.1	266.1
+25			4.4	264.8
+50			5.7	263.5
+75			7.3	261.9
+100			9.5	259.7
+125			12.0	257.2
T.P. EPL Magnolia	5.33	262.89	11.64	257.56
+50 Hub			8.42	254.47
+60			10.7	252.2
+75 Hub	5.115662	261.18	10.18	252.71
BM Coo Mar Millery Magnolia Millery		9.93		252.96

26



Levels on Sensors  
Center Lilac

Plotted

For Location Page 129

onHub T.P. R. Lilac + Sycamore					
9198.32	6.63	273.30		266.67	
4183.28			6.14	266.16	
5+00			5.9	267.4	
+25			6.2	267.1	
+50			7.0	266.3	
+75			7.6	265.7	
6+00			9.4	263.9	
T.P. +11.0	0.107.145	263.91	10.84	267.46	
+25			3.8	260.1	
+40			8.1	255.8	
+55			13.2	250.7	
T.P. +70	0.11	251.15	12.87	251.04	
+85			6.8	244.4	
			12.4	238.8	
T.P. 7+00	0.63	238.88	12.90	238.25	
+07.04			5.7	233.2	
			9.22	229.46	

Levels on Sensors  
Sycamore St Through Black Alley 27

Plotted

For Location Page 132

onHub T.P. R. Lilac + Sycamore					
9198.32	6.63	273.30		266.67	
0+00			8.64	272.66	
+25			0.8	272.5	
+50			1.8	271.5	
+77.57			2.15	270.15	
1+07.32			1.80	271.5	
+25			1.7	271.6	
+50			3.1	270.2	
+75			3.7	269.6	
2+00			5.0	268.3	
+25			5.2	268.1	
+50			6.7	266.6	
+75			6.9	266.4	
+85			7.0	266.3	
3+00			8.6	264.7	
+25			9.5	263.8	
+39.51			10.09	263.21	



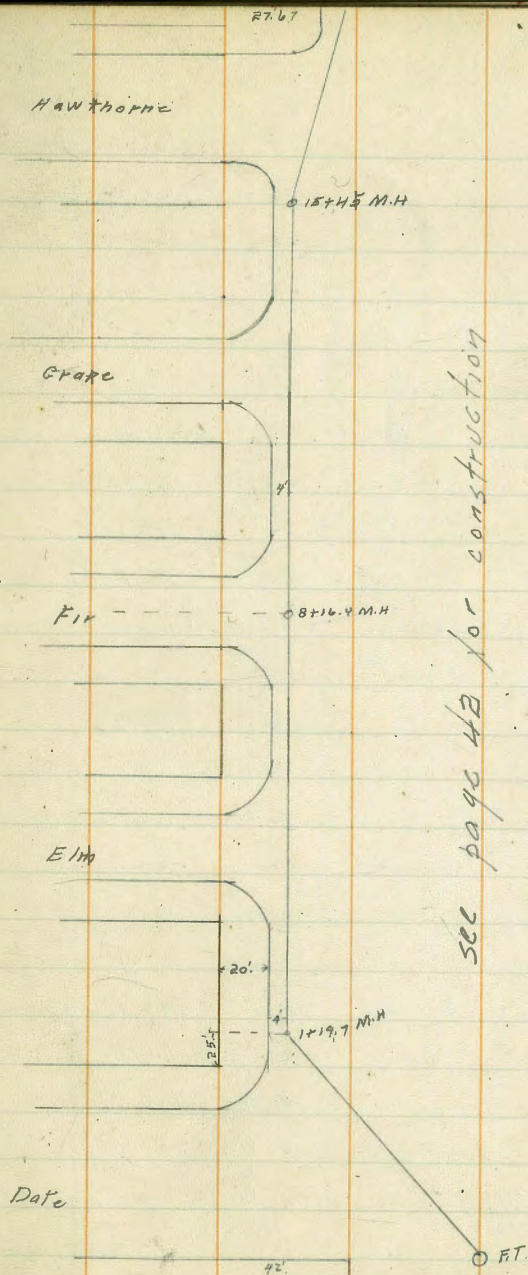
31

Sewer Levels on line 24' E of W line of 6<sup>th</sup> St  
from F.T. 6<sup>th</sup> and S line Date to

B.M.	10.50	15.267	142.77	S.W. 6 <sup>th</sup> Date
00 = F.T. S line Date			15.25	137.42 Bottom F.T.
" " " " "			13.37	139.30 Top Syphon
" " " " "			10.6	142.1 ground
+50			10.2	142.5
1+00			10.5	142.2
1+19.7 LK			11.0	141.7
+50			10.1	142.6
2+00			8.9	143.8
+50			7.5	145.2
3+00			6.1	146.6
+50			4.8	147.9
4+00			3.3	149.4
+50			1.6	151.1
5+00			0.6	152.1
T.P.	11.32	164.35	0.14	152.53
+50			11.0	153.4
6+00			9.6	154.8
+50			8.1	156.3
7+00			6.6	157.8
+50			5.2	159.2
8+00			3.0	161.4
+16.2 M.P. & F.R.			2.3	162.1
+50			1.0	163.4
T.P.	13.03	177.21	0.17	164.18
9+00			11.9	165.3

see page 43 for construction

32





19+33.3			8.3	218.86	on existing ab.
+34			8.9	218.3	
+65			6.7	220.5	
+94			5.7	221.5	
+95			5.14	222.04	on existing cb
20+06.4			4.61	222.57	Native Ivy
+50			2.6	224.6	
T.P.	12.84	239.76	0.26	226.92	
21+00			12.1	227.7	
+50			9.5	230.3	
22+00			7.0	232.8	
+50			4.6	235.2	
23+00			2.6	237.2	
+47.3: Q Juniper			1.6	238.2	
24+00			1.3	238.5	
T.P.	12.46	252.09	0.13	239.63	
+50			12.7	239.4	
25+00			10.6	241.5	
+50			9.1	243.0	
26+00			7.7	244.4	
+50			6.0	246.1	
27+00			4.8	247.3	
+27.5: Kalmia			4.2	247.9	
28+00			3.8	248.3	
+50			3.5	248.6	
29+00			3.0	249.1	

29+50			2.6	249.5	
30+00			2.2	249.9	
+50			1.5	250.6	
T.P.	8.89	259.84	1.14	250.95	
31+00			8.4	251.4	
+88.5: Q Laurel			8.3	251.5	
+50			8.1	251.7	
32+00			7.9	251.9	
+50			7.4	252.4	
33+00			7.2	252.6	
+50			6.4	253.4	
34+00			5.9	253.9	
+50			5.0	254.8	
+88.5: Q Maple			4.2	255.6	
35+00			4.0	255.8	
+50			3.7	256.1	
36+00			3.3	256.5	
+50			2.8	257.0	
37+00			2.3	257.5	
+50			1.7	258.1	
38+00			1.1	258.7	
T.P.	10.93	270.01	0.76	259.08	
+69.5: Q N. Yew			10.1	259.9	
39+00			9.7	260.3	
+50			9.0	261.0	
40+00			8.2	261.8	

37

270.01

40+50			7.3	262.7
41+00			6.3	263.7
+50			5.3	264.7
42+00			4.3	265.7
+50 = $\phi$ Olive			3.2	266.8
43+00			2.7	267.3
+50			1.6	268.4
44+00			0.7	269.3
T.P.	11.95	281.57	0.39	269.62
+50			11.2	270.4
45+00			10.2	271.4
+50			9.1	272.5
46+00			8.0	273.6
+30.8 $\phi$ Palm			7.5	274.1
47+00			6.6	275.0
+50			6.0	275.6
48+00			5.3	276.3
+50			4.4	277.2
49+00			3.6	278.0
+50			2.7	278.9
50+11.2 = $\phi$ Quince			1.5	280.1
50+50			1.3	280.3
51+00			0.9	280.7
T.P.	7.51	288.41	0.67	280.90
+50			7.2	281.2
52+00			6.9	281.5

288.41

6" ST Sewer 38

52+50			6.4	282.0
53+00			5.9	282.5
+50			5.4	283.0
+93.3 $\phi$ Redwood			5.0	283.4
54+50			4.8	283.6
55+00			4.6	283.8
+50			4.3	284.1
56+00			4.1	284.3
+50			3.8	284.6
57+00			3.6	284.8
+73.3 = $\phi$ Sarcoc			2.6	285.8
58+00			2.9	285.5
+50			2.6	285.8
59+00			2.3	286.1
+50			1.9	286.5
60+00			1.6	286.8
T.P.	6.13	292.94	1.60	286.81
+50			6.0	286.9
61+00			5.9	287.0
+54.0 = $\phi$ Thorn			5.3	287.6
62+00			5.3	287.6
+50			5.0	287.9
63+00			4.6	288.3
+50			4.6	288.3
64+00			4.6	288.3
+50			4.5	288.4

292.94

64+95 = 5 line Upgs

65+35 = 2 Upgs

405

288.89

ohpavimq

340

289.54

oh ..

382

289.12 + 289.07 RM. S.W. Upgs 46<sup>th</sup>

5/25/25 Gregory Sewer Construction  
25.5' E of W. 6th St  
from S.L. of Balboa Park  
To 50' S. of Vpas

			Grade		
			5th 6th	Date	
0+00 = S.L. Balboa Park	7.28	149.45	142.17		
+57.4 = M.H. & 6th Date			135.47	135.20	
1+00.25			6.58	142.87	135.60 +7.27
+43.10 = M.H. 25' dia x N.L. Date break			6.66	142.79	135.90 +6.89 to Grade
2			7.32	142.13	136.20 +5.93
+55			5.69	143.76	137.47 +6.29
3			4.20	145.25	138.69 +6.56
+50			3.00	146.45	139.69 +6.76
4			1.65	147.30	140.30 +7.00
12.83	141.96	0.32	149.13	141.91	+7.22
+58.6 = M.H. & Elm			11.27	150.69	143.20 +7.49 to Fir
5+05			9.87	152.09	144.56 +7.53
+50			8.63	153.33	145.89 +7.44
6			7.21	154.75	147.37 +7.38
+50			5.77	156.19	148.85 +7.34
7			4.31	157.65	150.33 +7.30
+50			2.89	159.07	151.81 +7.26
+90			1.68	160.28	153.01 +7.27 to Elm St
8+39.2 = M.H. & Fir 12.71	176.64	0.03	161.93	154.5	+7.43
9+00			10.00	164.64	157.47 +7.17
+50			7.50	167.14	159.90 +7.24
10			5.11	169.53	162.34 +7.19
+50			3.88	171.56	164.77 +6.99
11	12.77	187.20	0.21	174.43	167.20 +7.38
+50			1.26	174.58	167.20 +7.38
12+19.1 = M.H. & Date			10.38	176.82	169.62 +7.20 to Date
			6.18	181.02	173.0 +7.02

Profile Roll #315

Sewer  
6"  
5'  
145.10  
MH 0+57.4  
6+00 is on S.L. Balboa Park



19720

## GRADE

12+70			3.45	183.75	175.64	+8.11
13			1.93	185.37	177.23	+8.14
+50	12.96	199.82	0.14	187.06		
			11.72	188.10	179.88	+8.22
14			9.21	190.61	182.52	+8.09
+50			6.67	193.15	185.16	+7.99
15			4.10	195.72	187.81	+7.91
+50			1.51	198.31	190.46	+7.85
+60 = M.H. J.L. Hawthorn			1.71	198.11	191.9	+7.11
	12.24	210.35		198.11		
16+00.25 = E	✓		2.99	200.34	193.19	+7.17
+40.50			7.23	203.13	195.38	+7.74
17			4.25	206.10	198.41	+7.49
+50			1.63	208.72	201.33	+7.39
	T.P.	12.41	0.08	210.27		
18			11.42	211.26	204.05	+7.21
+50			8.80	213.88	206.77	+7.11
19			6.22	216.46	209.49	+6.97
+40 A Shively			4.12	218.56	211.66	+6.90
+80 E IVY			2.13	220.55	213.83	+6.72
	T.P.	11.33	0.02	222.66		
20+20 = N.L. Ivy M.H.			10.77	223.22	216.00	+7.22
+50			9.28	224.71	217.38	+7.33
21			6.73	227.26	219.68	+7.58
+50			4.16	229.83	221.98	+7.85
22			1.65	232.34	224.28	+8.06
	T.P.	8.31	0.03	233.96		
+50			7.74	234.53	226.58	+7.95
23			5.78	236.49	228.86	+7.63
+60 = M.H. & Juniper	11.95	249.34		237.39	NW Juniper 160	
			11.22	238.02	230.5	+7.52
24			10.95	238.39	231.5	+6.89

2493+

+50		9.42	239.92	232.51
25		7.92	231.42	234.11
+50		6.44	242.90	235.42
26		4.92	244.42	236.75
+50		3.33	246.01	238.07
27		1.93	247.41	239.39
+41.50	8.82 M.H. & Walnut 256.51	16.5	247.69	240.5
28		7.59	248.92	241.03
+50		7.25	249.26	241.49
29		6.95	249.56	241.95
+50		6.63	249.88	242.41
30		6.24	250.27	242.87
+50		5.95	250.96	243.33
+90		5.50	251.01	243.69
31+226	M.H. & Laurel	5.09	251.42	244.0
+67.3		4.60	251.91	244.41
32		4.23	252.28	244.82
+50		3.63	252.88	245.34
33		3.68	252.83	245.97
+50		2.78	254.03	246.39
34		1.88	254.63	246.92
+50		1.29	255.22	247.44
35+03.50	10.14 M.H. & Maple 265.86 252.14	0.79	255.72	248.0
+50		9.20	256.66 252.14	248.56
36		8.75	257.11	249.15
+50		8.27	257.59	249.74

+7.11
+7.31
+7.48
+7.67
+7.94
+8.02
+7.19
+7.59
+7.77
+7.61
+7.47
+7.41
+7.43
+7.32
+7.42
+7.50
+7.46
+7.54
+6.94
+7.64
+7.71
+7.78
+7.72
+8.10
+7.96
+7.75

See revised notes  
on pp 51 & 141  
S.M.H. 12-8-48

37			7.74	1		
			7.25	25861		
38			6.49	259.17	2	1
+45			6.26	259	25	
+ 1 = M.H. &	9		6.00	259.86	252.50	3
39+4			4.63	26.	253	1
			3.45	262.41	254.	4
			2.3	263.3	25	4
			1.8	2	38	
+50	10.61	27599	0.48	263.38	259	2
42					2	0
+64.70 = M.H. & Olive					9	
3			8.48	26	1	
+50						
41					261.	
+50						
4			3.			43
+50						
46			1.63			3
+45	6' 1 Pa m.					
		25.				
+50			8.9'			
48			8.2			
0			7			
			6.2	3		

28502

49+90		5.15	279.87	277.88	+7.99
50+25.7	M.H. & Quince	4.95	280.07	272.50	+7.57
	+62.85	4.22	280.80	272.87	+7.93
51		3.92	281.10	273.22	+7.86
	+50	3.51	281.51	273.74	+7.77
52		3.00	282.02	274.26	+7.78
	+50	2.53	282.49	274.74	+7.75
53		2.09	282.93	275.24	+7.69
	+50	1.62	283.40	275.74	+7.66
54+07.6	M.H. & Redwood <sup>677 290.18</sup>	1.61	283.41	276.30	+7.11
	+50	6.14	284.04	276.56	+7.48
55		5.88	284.30	276.86	+7.44
	+50	5.59	284.59	277.16	+7.43
56		5.43	284.75	277.46	+7.28
	+50	5.16	285.02	277.76	+7.26
57		4.89	285.29	278.06	+7.23
	+50	4.67	285.51	278.36	+7.15
	+87.50 M.H. & Spruce	4.43	285.75	278.58	+7.17
58+43.76		4.23	85.95	278.94	+7.01
59		3.89	86.29	279.20	+7.09
	+50	3.62	86.56	279.50	+7.06
60		3.35	86.83	279.80	+7.03
	+50	3.12	87.06	280.10	+6.96
61		2.83	87.35	280.40	+6.95
	+35	2.65	87.53	280.61	+6.92
+68.40	M.H. & <sup>5.58</sup> Thorn <sup>293.16</sup>	2.60	87.58	280.80	+6.78

See revised notes  
P 141 & 136  
G.H.  
12-8-48

62	514	28802	28099	+ 703
+ 50	502	28814	28130	+ 684
63	487	28829	28160	+ 669
+ 50	468	28848	28190	+ 658
64	451	28865	28220	+ 645
+ 50 = 55.5 of tops	432	28884	28250	+ 634

(Profile Roll # 315)

Walter Harding  
Beggs

11-9-44

Check levels on several M.H.s on 6th Ave.  
at  
To determine the elevations of Flow line M.H.s  
as actually constructed.

35+08.5 P. 45	5.46	260.24'	255.48'	NW 8P Maple 6th
M.H. Maple 6th on Rimm	5.22	255.72'		
" " " " Flow	11.69	249.25'		
31+22.6 P. 45	3.78	255.71'	251.93'	NW 8P Larval 6th
M.H. E Laurel on Rimm	4.20	251.51'		
" " " " Flow	10.47	245.24'		
NH E Kolman P. 45	2.77	254.70'	251.93'	NW 8P Larval 6th
27+41.80 on Rimm	6.59	248.11'		
" " " " Flow	13.04	241.66'		
M.H. E Juniper P. 43	4.34	241.73'	237.39'	NW 8P Juniper 6th
= 23+62	3.60	238.13		
	10.01	231.72'		

See revised notes  
P 136  
LPH  
12-8-48

19+80 P. 43	10.33	225.33'	215.00'	NW 8P Ry 5th
= M.H. Ry on Rimm	4.77	220.56'		
" " " " Flow	10.28	215.05'		
16+00.25	5.71	204.18'	128.47'	NW 8P Hawthorn + 5th
M.H. Hawthorn on Rimm	3.50	200.68'		
16+00.25				
M.H. Hawthorn on Flow	3.78	194.40'		
8+39.2 P. 41	7.95	165.95'	158.90'	NW 8P Fir + 5th
= M.H. E Fir on Rimm	3.90	162.05'		
" " " " Flow	11.21	154.74'		

Cont. P- 141

BM	0.11	234.76	234.65	SE 33 <sup>rd</sup> Cedar		
00=apt. 250. N of Cedar = P.E.			12.45	222.31	220.00	+2.31
0+5.5			9.81	224.95	219.50	+5.45
BTK 1+10			9.19	225.57	219.00	+6.57
1+56.67			10.74	223.98	217.17	+6.81
T.P. 0.07	222.76		12.87	221.89		
2+03.33			0.90	221.06	215.33	+5.73
2+50.00 M.H. Cedar			2.66	219.30	213.50	+5.80
3+04.29			3.74	218.22	212.92	+5.30
3+58.58			4.00	217.96	212.35	+5.61
4+12.87			4.65	217.31	211.78	+5.53
4+27.16			5.06	216.90	211.21	+5.69
5+21.45			5.72	216.19	210.64	+5.55
5+75.72			6.12	215.84	210.07	+5.77
6+30.00 M.H. Cedar			7.04	214.92	209.50	+5.42
6+84.29			7.95	214.01	209.78	+4.23
7+38.58			9.75	212.21	206.06	+6.15
7+92.87 T.P.	0.17	210.53	11.60	210.26	204.34	+6.62
8+47.15			2.25	209.28	202.63	+5.65
9+01.43			3.93	206.60	200.92	+5.68
9+55.71			5.93	204.60	199.21	+5.39
10+10.00 M.H. Cedar			7.00	203.53	197.50	+6.03
10+60.00			7.78	202.75	196.75	+6.00
11+10 BTK			9.69	200.84	196.00	+4.84
11+65.52 T.P.	1.27	199.35	12.45	198.08	192.67	+5.41
12+21.04			4.19	195.16	189.33	+5.83

		199.35				
12776.56			7.80	191.55	186.00	+ 5.55
13732.08			11.44	187.91	182.67	+ 5.24
13787.60	TR 127	188.22	12.40	186.95		
			3.35	184.87	179.33	+ 5.54
14743.12	M.H. & ST		26.78	181.44	176.00	+ 5.44
53.67			1.45	181.44		
14796.79			9.78	174.11	172.00	+ 2.11
15750.46			8.28	174.61	168.00	+ 6.61
TR	0.74	170.73	12.90	169.99		
16704.12	BRK		3.99	167.24	164.00	+ 3.24
55	TR	158.32	12.77	157.96		
16759.12			0.81	157.51	152.50	+ 5.01
17714.12	MH & 33kd		12.72	144.20	141.00	+ 3.20 = + 5.19 Page 40

192.65 B.M.M. & N.S. 33kd ASH  
 + 2.47  
 195.67  
 - 12.79  
 182.88  
 + 2.01  
 184.89

BM. Marsk 33 <sup>rd</sup> & Cedar 121	23 586	234.65			
BM 4.02	238.67	234.65			
0+00 = DE. 300' W of $\frac{1}{2}$ Cedar	4.01	234.66	232.00		+2.66
+50	4.17	234.50	231.50		+3.00
1+00	4.51	334.16	231.00		+3.16
+50	4.83	233.84	230.50		+3.34
2+00	5.03	233.64	230.00		+3.64
+50	5.38	233.29	229.50		+3.79
BM. Marsk 33 <sup>rd</sup> & Cedar 131	238.86	234.65			
M.H. 3+00 = $\frac{1}{2}$ Cedar	2.64	233.22	229.00		+4.22
+50	3.08	232.78	226.95		+5.83
4+00	5.18	230.68	224.90		+5.78
+50	7.41	228.45	222.86		+5.59
5+00	9.81	226.05	220.81		+5.24
+50	12.22	223.64	218.77		+4.87
T.P.	0.14	223.25	223.07		
6+00	1.76	221.49	216.72		+4.77
+50	3.72	219.53	214.64		+4.85
M.H. 6+80 $\frac{1}{2}$ Beech	4.34	218.91	213.45		+5.46
7+40 Brk	6.50	216.75	211.00		+5.75
7+90	11.68	211.57	206.00		+5.57
T.P.	0.22	210.52	210.30		
8+40	3.95	206.57	201.00		+5.57
BM	9.43	202.24	192.45	M.S. 33 <sup>rd</sup> & Ash	
8+90	20.57	201.71	196.00		+5.96
T.P.	28.83	201.69	196.00		
9+40	5.65	196.63	191.00		+5.63
9+90 Brk	11.01	191.27	186.00		+5.27
35 T.P.	0.19	189.77	189.59		
10+25	0.99	188.78	184.65		+4.13
35 M.H. 10+60 $\frac{1}{2}$ Ash	1.93	187.84	183.31		+4.53
40	3.93	185.84	181.00		+4.94
11+20 Brk	7.47	182.30	177.25		+5.05

5.46  
233.22



			189.77						
12+20	TR 101	177.86	11.11	178.66	173.50				+5.16
			12.92	176.85					
12+70		174.02	3.02	174.84	169.75				+5.09
			X.87	170.99					
13+20 BTK			3.02	171.00	166.00				+5.00
50' TP 0.6		161.57	12.91	167.11					
13+70 BTK			4.57	157.00	153.50				+3.50
42.96									
14+12.86			6.27	153.30	150.75				+4.55
42.96									
14+55.73 BTK			9.11	152.46	148.00				+4.46
40' TP 0.6		147.16	13.02	148.54					
M.H. 14+95.73 EAST			2.97	146.19	141.00				+5.19
60'									
15+55.73			6.08	149.08	139.75				+3.33
"									
16+15.73 BTK			6.24	142.82	138.50				+4.32
43.47									
16+59.20			9.42	139.74	134.25				+5.49
42.45			12.90	136.36					
DMH 17+02.68	TP 0.21	136.57	1.92	134.65	130.00				+4.65
"									
"			1.92	134.65	125.00				+9.65
58.26									
17+55.94			9.61	126.96	124.00				+2.96
18+09.20			9.39	127.18	123.00				+4.18
18+62.46			11.31	125.26	122.00				+3.26
19+15.73 BTK			11.09	125.44	121.00				+4.48
41.81	TR 123	125.06	12.74	123.83					
19+77.54			4.10	120.96	115.67				+5.29
"									
20+39.36			9.87	115.19	110.33				+4.86
TR 247		115.26	12.27	112.79					
M.H. 21+01.18	Alley BIK 123		6.82	109.24	105.00				+4.24
44.67									
21+45.85			1.16	114.10	103.67				+10.35
21+90.52			4.56	110.70	102.33				+8.20
22+35.18	Existing M.H.		14.00	101.26	101.00				

Bamcroft St Sewer Construction

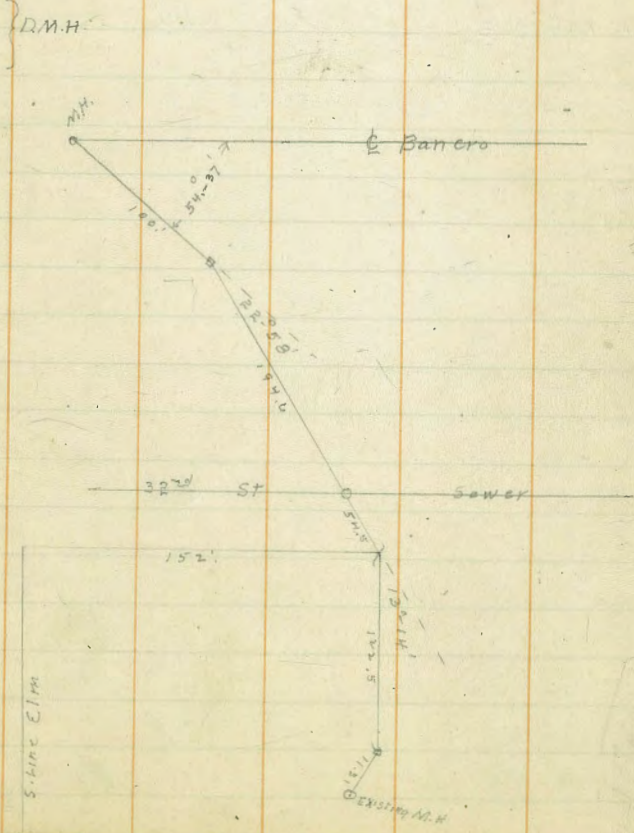
BM					SF. 2072 2nd	
12.06		204.93		192.85		
T.P.	6.21	210.34	0.80	204.13		
0+00 = D.E. 40' S. of Beech			0.72	209.62	203.41	+6.21
+50			3.97	206.37	200.17	+6.20
1+00			7.38	202.94	196.94	+6.02
+50			10.60	199.74	193.70	+6.04
T.P.	0.30	197.65	12.99	197.35		
2+00			1.32	196.30	190.47	+5.86
+50			4.50	193.15	187.23	+5.72
M.H. 3+00 $\frac{1}{2}$ Hsh			6.71	190.94	184.00	+6.94
3+35			9.08	188.57	179.50	+9.07
T.P.	0.14	185.06	12.73	184.92		
3+70 BxK			3.15	181.91	175.00	+6.91
4+33						
4+13.33			11.50	173.56	164.84	+8.72
T.P.	0.08	175.14	12.96	172.10		
4+56.67			3.42	168.76	162.67	+6.09
5+00 BxK			12.33	159.85	156.50	+3.35
T.P.	0.07	159.92	12.33	159.85		
5+70 BxK		147.10	3.94	143.14	141.00	+2.16
35.72						
6+08.72			2.13	144.97	139.00	+5.97
35.72						
6+47.44 BxK			7.62	139.48	137.00	+2.48
51.12						
6+98.56 BxK			73.21	133.89	131.00	+2.89
T.P.	0.14	134.03	13.21	132.49		
M.H. 7+38.56 $\frac{1}{2}$ A. ST			3.97	130.06	123.50	+6.56
8+07.21 Existing M.H.						

Sewer Construction

Thru BIKs 234-5 S.D. Property Union and

BIKs 346 Cullens Arlington HTs

BM.	TP	TP	TP	TP	TP	TP	TP	TP	TP
00 DE in BIK 235 D. Prop 21.				220.14	223.29	221.14	219.50		+ 3.43
+ 45				10.76	222.24	219.13			+ 3.11
0193				8.23	224.77	218.75			+ 6.02
1+33.47 MH				9.88	223.12	218.42			+ 4.70
1+65				1.67	225.59	218.15			+ 7.44
1+95				1.55	225.71	217.90			+ 7.81
2+17 TP				10.46	224.80	217.70			+ 7.04
2+65				7.25	219.91	217.33			+ 2.34
3+00				7.36	219.60	217.05			+ 2.55
3+50 T.P.				0.24	223.50	216.65			+ 6.61
4+00 M.H. E Bancro ft 100 of S. Line Elm.				6.72	222.88	216.20			+ 6.68
+50				2.54	220.96	213.50			+ 7.46
1+00 B.Y.K. A 22-58'A				4.90	218.60	212.00			+ 6.60
+50				6.02	217.44	209.43			+ 8.05
2+00				11.55	211.95	206.86			+ 5.09
1+50				1.43	210.14	204.29			+ 5.85
2+94.60 MH in 32 <sup>nd</sup> ST				2.94	208.63	202.05			+ 6.63
0+54.50 A 13-14 P.				5.37	206.25	199.62			+ 6.63
1+00				9.28	202.29	197.63			+ 4.66
738.5				12.03	199.54	195.96			+ 3.58
1+77.0 A				4.89	197.71	194.29			+ 3.42
1+88.31 Existing M.H. in Alley						193.8			



Sewer Construction  
B/K 24 Prop Union

T.P.	7.15	230.41	223.26	Page 64	215.00	
00 = M.H. in Bancroft st 40's. of Ely						
0+70.9 A		7.02	223.39	215.66		+ 7.73
1+20.9		5.68	224.73	216.13		+ 8.60
1+70.9 A		5.43	224.98	216.60		+ 8.39
48.91						
2+19.81		5.77	224.64	217.06		+ 7.58
2+68.72		6.19	224.22	217.53		+ 6.67
3+17.64 M.H. 237.4		5.98	224.43	218.00		+ 6.43
60 T.P. 11.44	238.72	3.17	227.24			
3+77.64		6.04	232.68	224.50		+ 8.18
4+37.64 DE		2.90	235.82	231.00		+ 4.82

Sewer Construction  
32<sup>22</sup> ST

	0.71	220.89	220.18		
00 = D.E. 40' S. of Elm St		4.77	216.12	212.00	+4.12
+51.90		10.07	210.82	207.00	+3.82
1 + 03.81 MH		12.26	208.63	202.00	+6.63
RM.	1.03	221.21	220.18	202.00	+1.03
+43.1		10.85	270.36	206.00	+64.36
+86.19 Brk		6.93	214.28	210.00	+4.28
1 + 36.22		1.29	219.92	215.94	+3.98
		0.04	221.17	216.31	+4.86
1 + 86.24	T.P.	12.04	223.61	221.94	+1.67
		7.80	225.81	222.16	+3.65
2 + 36.27 MH S. Line - Date = 00		2.82	230.79	227.93	+2.86
	11.13	244.73	233.60	232.31	+1.29
+40 P.V.C		9.07	235.66	234.00	+1.66
+60		7.20	237.53	235.91	+1.62
+80 E.V.C.		5.25	239.48	234.65	+4.83
1 + 20		2.70	242.03	236.95	+5.08
1 + 60		2.45	242.78	235.25	+7.53
2 + 00		3.67	241.06	235.55	+5.51
2 + 40 = DE. 60' N. of Cedar		6.63	238.10	235.85	+2.25

lowered

Sewer Construction

In Bannock St from DE 40' Not Cdn  
To MH. 40' Sof Elm

BM.	5.57	240.22	234.65	232.00	232.00
00-DE 40' Not Cdn			2.79	37.73	232.00
+50			4.54	35.68	230.41
1400			6.05	34.17	228.42
+50			7.80	32.42	227.24
2400			9.38	30.84	225.66
+50			10.90	29.32	224.04
3400-MH @ Date ST.P. 067	24.75	12.16	28.06	222.50	222.50
+50			2.00	24.75	221.58
1400			3.40	25.35	220.67
+50			4.78	23.97	219.75
2400			5.87	22.88	218.84
+50			6.53	22.22	217.92
3400-DMH 40' Sof Elm					217.00

Sewer Construction 7110/25  
miles  
in Popita St from DE Nof Buena St  
To M.H. at Exchange & Soledad

B.M.	8.16	307.64		297.48		
00=DE. Nof Buena St			6.56	301.08	297.50	+ 3.58
+45			4.74	302.90	297.10	+ 5.80
+90			3.40	304.24	296.70	+ 7.54
1+35			2.36	305.28	296.30	+ 8.98
1+80			1.57	306.07	295.90	+ 10.17
2+25 M.H.			1.18	306.44	295.50	+ 10.96
(49.93)						
2+74.93			1.39	304.25	294.66	+ 11.59
3+24.86			2.64	305.00	293.83	+ 11.17
3+74.80 M.H.			8.04	299.60	293.0	+ 6.60
(43.24)						
4+18.08 T.P.	0.31	295.42	12.53	295.11	288.67	+ 6.44
4+61.36			5.05	290.37	284.33	+ 6.04
5+04.64 M.H.			9.71	283.71	280.0	+ 5.71
(40) T.P.	0.53	283.36	12.39	282.83		
5+44.64 Brk			2.29	281.07	276.0	+ 5.07
(55)						
5+99.64			10.00	273.36	267.25	+ 6.11
T.P.	0.24	270.92	12.82	270.54		
6+54.64			7.19	263.63	258.50	+ 5.13
T.P.	0.31	258.26	12.47	257.15		
7+09.64			4.67	253.59	249.75	+ 3.84
7+64.64 Brk T.P.	1.34	246.45	13.15	245.11	241.0	+ 4.11
8+04.64 M.H.			2.55	243.90	239.0	+ 4.90
(60)						
8+64.64 T.P.	0.14	233.97	12.62	233.83	229.50	+ 4.33
(30)						
8+94.64			5.19	228.78	224.75	+ 4.03
9+24.64 Brk			10.48	222.49	220.0	+ 2.49
T.P.	2.21	223.45	12.73	221.24		
9+64.64			3.97	217.18	218.50	+ 0.98
Brk						
10+04.64 Clean out			2.92	220.53	217.0	+ 3.53
10+25.14 M.H.					214.0	
Flow line sewer			10.17	213.13	213.0	

Sewer Construction  
In Ironton and Golden Park

R71.71 Page 77

00 DE 35.5 Exp Bangor		0.84	270.87	262.00	277.87	
0160 B/K		5.81	265.70	261.00	271.90	
T.P.	0.55	259.45	12.91	258.90		
1120		1.71	257.74	253.00	264.74	
1180 B/K		8.82	250.68	245.00	258.68	
(523) T.P.	0.25	246.78	12.92	246.53		
2+32.9		5.09	241.69	234.25	246.74	
T.P.	0.03	233.99	12.82	233.96		
2+85.7		2.48	231.11	225.50	235.61	
3+23.6 T.P.	0.03	220.73	13.29	220.70	235.75	249.15
M.H. 3+91.5 Golden Park Ave		9.51	211.22	206.00	215.22	
4.15 T.P.	-0.03	207.75	12.95	207.78		
4+55.75		4.95	202.10	197.50	207.50	
T.P.	0.22	195.13	12.85	194.90		
5+20.00 B/K		11.10	194.03	189.00	199.03	
5+80.00 T.P.	0.18	182.62	12.69	182.44	195.5	208.44
T.P.	0.0	169.91	12.81	169.81		
M.H. 6+40.00		1.70	168.11	162.00	173.11	
6.07 T.P.	0.05	156.86	13.00	156.81		
7+01.67		2.49	154.37	149.67	157.67	
T.P.	0.27	144.39	12.74	144.12		
7+43.34		2.23	142.16	137.33	144.85	
7+80.00 B/K		5.79	137.0	134.00	142.79	
T.P.	0.50	132.00	12.86	131.83		
M.H. 8+25.00 M. Hwy Spethic Ave		8.32	123.71	117.00	125.71	
T.P.	0.24	119.68	12.63	119.40		
8+82		4.84	114.84	111.50	119.34	
M.H. 9+37 E. Lin Spathic Ave L		4.64	115.04	106.00	111.04	
9+87		12.02	101.66	100.25	109.68	
10+39		8.03	111.65	99.50	111.15	
10+89		8.80	110.89	98.75	109.19	
T.P.	0.31	104.59	13.20	106.48		
11+39 B/K		0.95	105.64	98.00	103.64	
(4467)		8.64	97.95	90.34	97.61	
11+83.67		12.97	93.72			
T.P.	0.13	73.85	2.11	91.74	82.67	99.07
12+28.34		12.88	80.97			
T.P.	0.24	81.22	5.10	76.12	75.00	81.22
12+73.00 M.H.						

81.22

13+25.47		4.25	76.97	70.83	75.14	
(578)		6.22	75.00	66.67	71.33	
13+78.34		11.02	70.20	62.50	67.70	
14+31.00		12.47	68.75			
T.P.	0.24	69.01	4.89	64.12	58.33	62.79
14+83.67		8.09	60.92	54.17	58.75	
15+31.34		10.42	58.59	50.00	58.59	
M.H. 15+89.00 Golden Park St		12.16	56.05			
(56) T.P.	0.43	56.48	5.69	58.79	45.67	51.12
16+45		11.62	44.86	41.33	43.53	
T.P.	3.21	47.03	12.66	43.82		
17+57 B/K		6.11	40.92	37.00	38.92	
(523)		5.49	41.54	36.20	38.34	
18+10.25		5.30	41.73	35.46	36.33	
18+43.50		4.82	42.21	34.60	36.61	
19+14.75		6.44	40.59	33.80	36.79	
19+70.00		8.08	38.95	33.00	33.00	
M.H. 20+23.25 Golden Park St						

PR



Sewer Construction  
in Ervinton & Golden Park

BM	586	26.51	20.45	SW. Reservoir		
TP	14.71	27.12	0.18	26.41		
00-DE 190 N of Reservoir			8.90	30.22	27.00	+3.22
+58.8			4.32	34.80	30.00	+4.80
MH 17.1.6 & Armada Terrace	T.P. 12.82	51.73	0.21	38.91	33.00	+5.91
64.4			9.76	41.97	36.42	+5.55
2+26.0			6.23	45.50	39.83	+5.67
2+80.2			2.16	49.57	43.25	+6.32
3+34.4	T.P. 12.89	63.74	6.48	50.85		
			10.10	53.64	46.67	+6.97
3+88.6			5.44	58.30	50.08	+8.22
MH 4+47.7 & Spathic St			9.60	54.14	53.55	+0.64
51.9	T.P. 12.26	76.77	0.23	63.51		
4+94.6			6.45	70.32	64.75	+5.57
	T.P. 12.90	89.48	0.19	76.58		
5+46.5 BxK			5.28	84.20	76.00	+8.20
61.5	T.P. 12.90	102.29	0.09	89.39		
6+14.0			8.38	93.91	86.00	+7.91
	spathic T.P. 12.95	115.05	0.19	102.10		
MH 6+81.5 & Reservoir			11.16	103.89	96.00	+7.89
55.33						
7+36.83	T.P. 12.47	124.58	2.94	112.11	103.00	+9.11
7+92.16			6.84	117.74	110.00	+7.74
	T.P. 12.44	136.79	0.02	124.55		
8+47.5 BxK			10.65	126.34	117.00	+9.34
54.7						
9+02.2			1.35	135.64	127.00	+8.64
	T.P. 12.88	149.86	0.01	136.98		
MH 9+56.9 R.I. & Spathic Ave			7.41	142.45	137.00	+5.45
60	T.P. 12.91	162.76	0.01	149.85		
10+16.9 BxK			10.74	152.02	147.00	+5.02
50						
10+66.9			6.60	156.16	149.50	+6.66
50						
11+16.9 BxK			5.89	156.87	152.00	+4.87
60	T.P. 12.99	175.52	0.23	162.53		
11+76.9			3.84	171.68	166.00	+5.68
60	T.P. 12.88	188.36	0.04	175.48		
12+36.9 BxK			3.45	184.91	180.00	+4.91
58	T.P. 12.79	201.03	0.12	188.24		
MH 12+94.9 & Martinez St			6.52	194.51	187.00	+7.51

	TP	12.46	201.03					
12+94.9 MH			213.87	0.02	201.01			
(50)						189.00		
13+48.9				11.03	202.94	198.67	+4.17	
14+02.9 TP	12.84		226.41	0.30	213.57	208.34	+5.23	
14+56.9 BTK				3.45	222.96	218.00	+4.96	
50 TP	12.76		239.02	0.15	226.26			
15+06.9				7.97	231.05	224.50	+6.55	
50								
15+36.9 M.H.T.P.	13.09		250.39	1.72	237.30	231.00	+6.30	
60								
16+16.9				7.40	242.99	236.5	+6.49	
16+76.9 BTK				1.73	248.66	242.00	+6.66	
50 TP	12.75		262.86	0.24	250.11			
17+26.9				11.86	251.00	243.00	+8.00	
17+76.9				11.34	251.52	244.00	+7.52	
18+26.9 DE				11.16	251.70	245.00	+6.70	
TP								
	9.10		271.71	0.25	262.61			



4336

00 = N. Line Long Branch

W			<u>143.4</u>	137.9
cl			10.9	
ly			11.4	
C			11.7	
ly			12.8	
cl			13.6	
E			13.6	129.8
T.P.	0.13	130.99	12.50	130.96

50' N 131.0

E			5.7	125.3
cl			5.3	
ly			5.2	
C			4.5	
ly			3.7	
cl			3.3	
W			2.8	128.7

100' N

W			7.4	123.6
cl			7.9	
ly			8.3	
C			8.7	
ly			9.5	
cl			9.6	
E			9.9	121.1

130.99

140' N 131.0

E			13.4	117.6
cl			12.9	
ly			12.9	
C			12.2	
ly			11.8	
cl			11.4	
W			11.1	119.9
T.P.	-0.14	118.16	12.79	118.20

185' N

118.7

W			2.1	116.1
cl			2.7	
ly			3.3	
C			4.1	
ly			5.0	
cl			5.1	
E			5.6	112.6

215' N = Short Mill 50' wide

E			9.9	108.3
cl			10.0	
ly			9.9	
C			8.7	
ly			7.7	
cl			7.0	
W			6.5	111.7

118.16

E Muir (118.4)

W		9.8	108.4
cl		10.6	
1/4		11.4	
C		12.0	
1/4		12.9	
cl		13.0	
E		13.0	105.7

05-N Line Muir

E		16.4	101.8
cl		16.5	
1/4		16.3	
C		15.6	
1/4		14.8	
cl		14.3	
W		13.7	104.5

T.P. 6.57 105.91 12.77 105.39

50' N

(105.9)

W		7.4	98.5
cl		8.1	
1/4		8.6	
C		9.0	
1/4		9.8	
cl		10.5	
E		10.8	95.1

T.P. 6.57 95.39 10.89 95.02

Venice St

95.39

29' 2 N = E end St

(95.4)

E		6.0	89.4
cl		4.9	
1/4		4.3	
C		3.6	
1/4		3.1	
cl		2.4	
W		1.7	93.7

8.55

NE. Cor. Venice  
86.84 cl in Ch 4  
= 87.00 Profile

85 Seyer Levels 2 Alley Block 37 Fairmount Add 25.51  
 Between Minona and Margarita  
 From E. Florence to 300' South  
 25.51  
 25.51  
 25.51  
 25.51

BM	1.83	385.28 ✓	383.45	374.92 ✓
TP	2.53	377.45 ✓	10.36	374.92 ✓
0+00 = E. Florence			4.7	372.8
+15			4.8	372.7
+32			3.1	374.4
+50			2.8	374.7
+100			3.0	374.5
+150			3.2	374.3
+200			3.9	373.6
+250			8.0	369.5
+300			15.9	361.6
TP	5.00	370.52 ✓	11.99	365.46 ✓

86 Seyer Levels 2 Alley Block 36 Fairmount Add  
 Between Cerros and Minona  
 From E. Florence to 400' South  
 370.52 Bl. Ford

0+00 Top M.H. E. Florence	12.94	357.52
Flux Line	19.21	352.21
+15	13.7	356.8
+35	11.8	358.7
+50	10.9	359.6
+100	8.3	362.2
+150	7.1	363.4
+200	5.7	365.3
+250	3.5	367.0
+300	3.9	366.6
+350	7.3	361.2
+400	15.0	355.5
+450	20.5	350.0
TP	0.29	357.87 ✓
TP	3.86	354.05 ✓

25.51  
 19.4  
 14.0 356.5

25.51  
 12.4  
 358.1

25.51  
 20.6  
 30.2 350.3

353.92

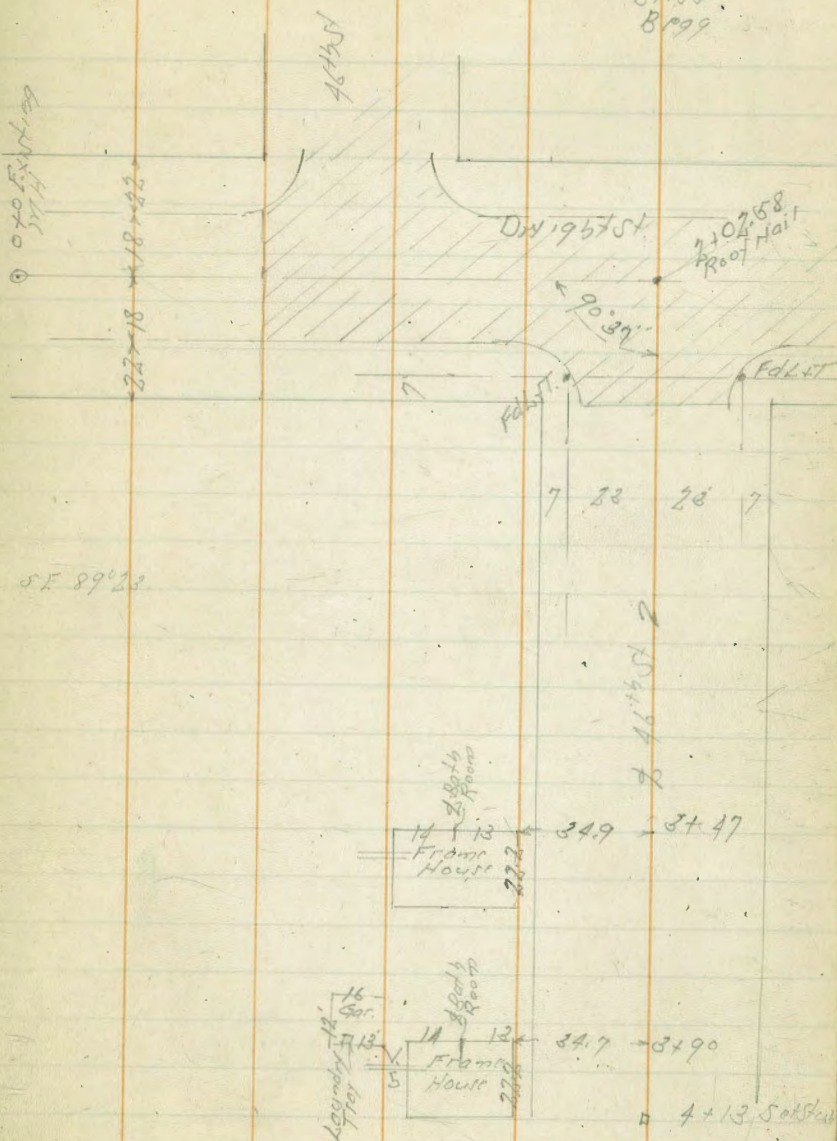
87

Proposed Sewer. Dix 1964 West of 46th St  
46th St South of Dix 1964

BM	10.60	334.60		324.00	N.W. B.P. Dix 1964 C&G mound.
0+0 = Existing M.H. of Dix 1964		8.69		325.91	07 Rim
		13.51		321.09	Floor Line
+50		7.3		327.3	
1+0		5.5		329.1	
+12.3 = Wly Paving		4.88		329.72	
+50 07 Paving		3.83		330.77	
2+0 2.58 = 46th to 50		2.82		331.78	
+30.6		4.41		330.19	
+42.58 = Sly Paving		3.91		330.69	
3+0		4.4		330.2	
+47		6.4		328.2	
TP	2.96	331.37	6.19	328.41	
3+47	34.9	Floor of House	5.41	327.96	
3+90		4.80		326.57	
3+90	34.7	Floor of House	5.12	326.25	
3+90		7.18		324.19	

Indexed  
C.S.K.

March 5-13 88  
Sutton  
Bliss  
B.C.99



The image shows an open notebook with two facing pages. Both pages are cream-colored and feature light blue horizontal ruling. Each page is divided into four vertical columns by orange margin lines. The left page is numbered '89' in the top left corner, and the right page is numbered '90' in the top right corner. The pages are otherwise blank, with no handwriting or printed text. The notebook is resting on a white surface, and the binding is visible in the center crease.



Location Survey  
Center Alley Block A" between Euclid & Alpine  
From Boundary Line to El Cajon Ave

For Levels Page 79930

0+00

8+57 @ N.P. El Cajon

8+86 @ Center Existing Manhole

12-15-77  
R.H. Hill  
Central Ave  
AS, 19307

0+00

Euclid Ave

Block A.

Alley

Alpine Ave

El Cajon

8+57 N.P. El Cajon

Manhole Existing Survey  
8+86

Location of Servers  
 Center Lilac From Millers to Sycamore

For Levels See Page 11

5+40.81 0 = 3+98.37 Δ R P.L. Lilac & Sycamore

N 29° 58' W

0+66.56 Δ L 79° 31'

N 81° 00' W

0+00

10/21/24  
 H.H. Hill  
 C. Walker  
 P.A. Preston  
 A. Sisson

Sycamore  
 05+40.81  
 P.L. Lilac & Sycamore

Center Lilac

0+00

Lilac 51  
 400

750

750

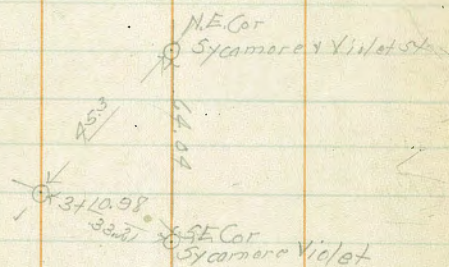
Con. Man. Lilac on 46 St. Line 50

Location of Serrers  
Violet St. From Radius at So End  
to Sycamore Dr

For Levels see Page 12

3+10.98 ○ 4+33.54 △ Violet & Sycamore

0+00



Radius  
○ So End  
Violet

Location Servers  
Sycamore From Lilac to Primrose

3105.10 ○

Pl. Primrose &amp; Sycamore

2778.14 ○

P.O.T. N.P.L. Primrose

0700

Primrose ○

Pl.

N.P.L. Primrose

Sycamore ○

47.53 ○

0700

NE Cor Sycamore  
Violet

2202

○

3222

SE Cor  
Violet & Sycamore

Location of Servers

Center Primrose From So. End to

X 1/16

7+10.77

Alley East + West

3+65.60

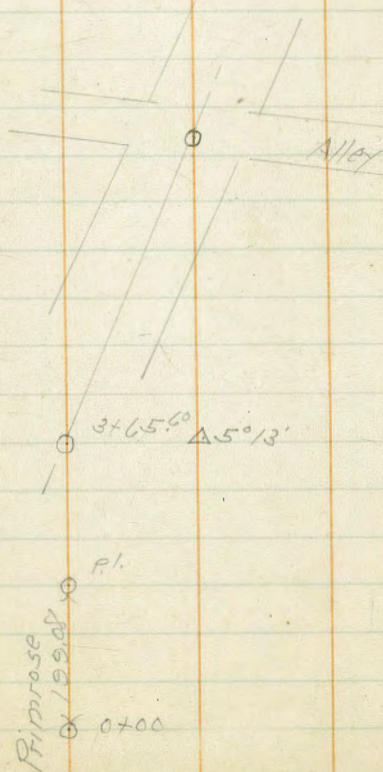
$\Delta R 5^{\circ} 13'$  Alley From West

1+95.98

P.O.T. = 3+05.10  
From Sycamore

Pl. Primrose + Sycamore

0+00



Alley

3+65.60  $\Delta 5^{\circ} 13'$

Pl.

Primrose

0+00

Sycamore

Center Primrose to Sycamore Western Sycamore  
To Pt. Violet

Levels on Page 14 & 22

5773.9  $\odot$  =  $4 + 53.57 = 3410.98$  App. Pt. Violet & Sycamore

7725.31  $\odot$  P.O.T. H. P.L. Primrose

1799.08  $\odot$  P.L. Primrose & Sycamore

07.00

Rad. point?

10-22-24

Street  
5773.9 - 4793.54  
Sycamore

P.L.  
7799.08

Primrose

$\odot$

Location Servers

Center Alley Between Pepper Dr & Sycamore  
From Primrose to Violet

For Levels See Page 21

3+44.77 @ = 3+43.38 Pl. Violet & Alley

0700

Violet

Pl.  
3+44.77

Sycamore

S Alley

Block 12

Pepper Dr

4071.20

Lot 3  
" 2

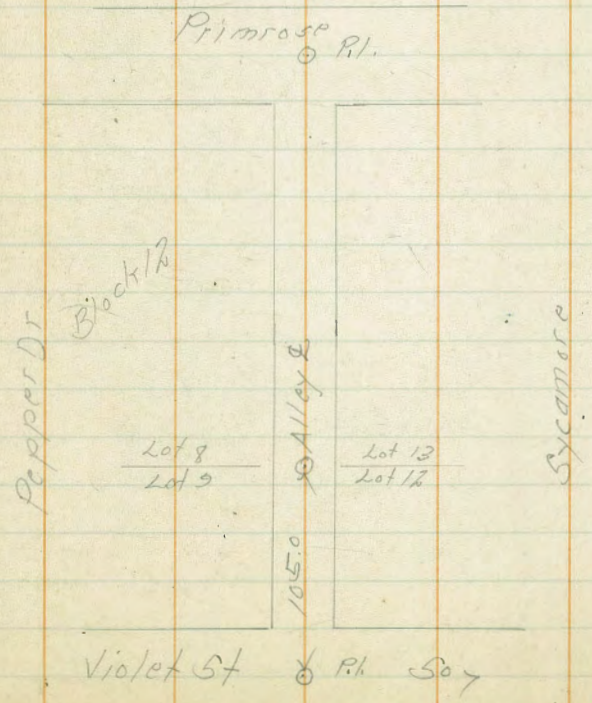
Primrose St

Location of Servers  
Center Alley Between Pepper Dr. & Sycamore  
From Violet to Primrose

X

~~3 + 06.93 = 3 + 05.6 P.L. Alley + Primrose  
2 + 80.71 N.P.L. Primrose~~

0700



Violet St P.L. Syc

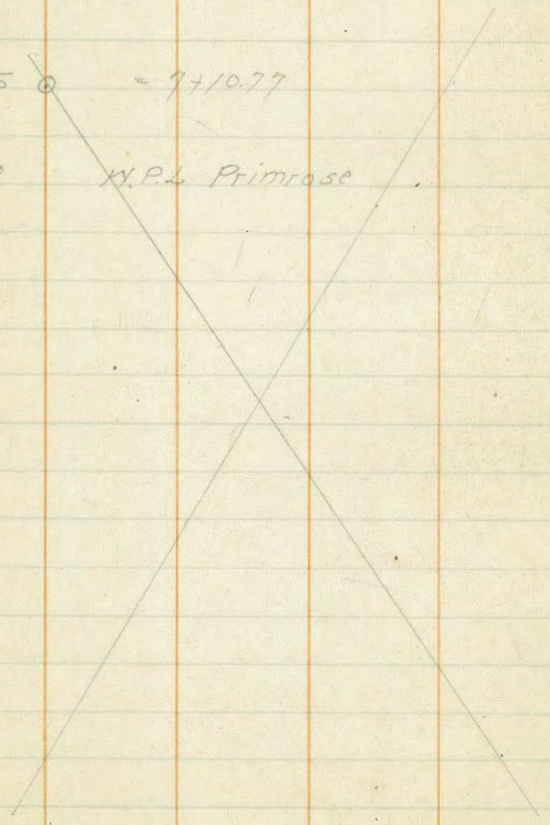


Location Servers  
Center Alley in Block 11  
From Violet to Primrose Bet. Hollywood & Pepper

4 + 17.55  $\odot$  - 7 + 10.77

4 + 13.12 X.P.L. Primrose

0 + 00



10-21-24

Primrose  $\odot$

X.P.L. Primrose

Block 11

Hollywood

E. Alley

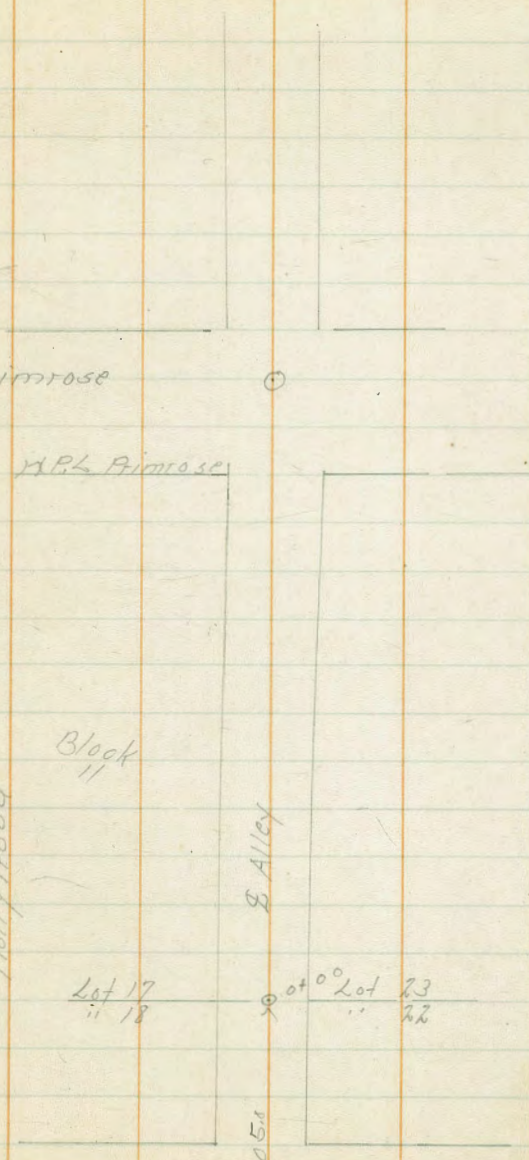
Pepper Dr.

Lot 17  
" 18

Lot 23  
" 22

105<sup>11</sup>

Violet St. 50.7  $\odot$  P.L.



Location of Sensors  
 Sycamore Dr. From 46.7 E. of E Alley Line  
 To Pk. of Sycamore Dr + Orchard

For Levels See Page 4

3 + 73.73 ⊙ = 19 + 41.04 Pk. Orchard + Sycamore  
 2 + 98.72 ⊙ H.P. L. Orchard

0x00

Orchard St. ⊙ Pk. 3 + 73.73

⊙ 2 + 98.72

Sycamore Dr.

Block 31

Block 30

Lot 7  
 " 8

Alley

Pepper Dr

111

Location of Sewers  
Center Pepper Drive  
From Lot Line 35+36.8132 to P.I. Willow St

For Levels See Page 113

6+25.44 @ = 26+83.32 P.O.T. P.I. Pepper Drive / Willow

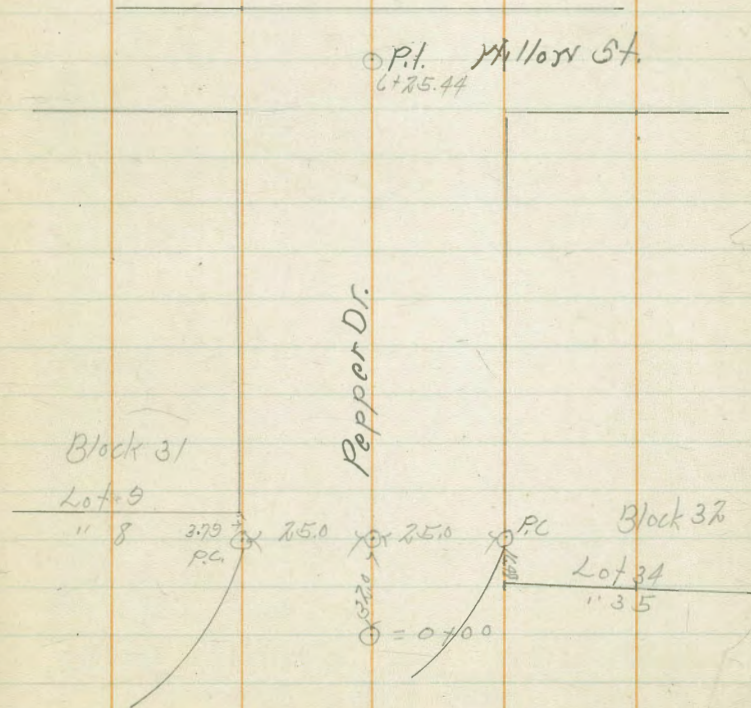
1+75 P.O.T.

0+32 P.O.T.

0+00

112

10-20-22



Location of Sewers  
Center Alley East & West in Block 31  
From opp. Lot 15 & 16 to P.I. Alley & Sycamore

For Levels See Page 1

3704.07 @

P.I. Sycamore & Alley

2779.07 @ P.O.T.

P.I. Sycamore

0700

370.0 E of E line of Alley No. 30.

10-20-24

Sycamore Dr @ P.I.

Pepper Dr.

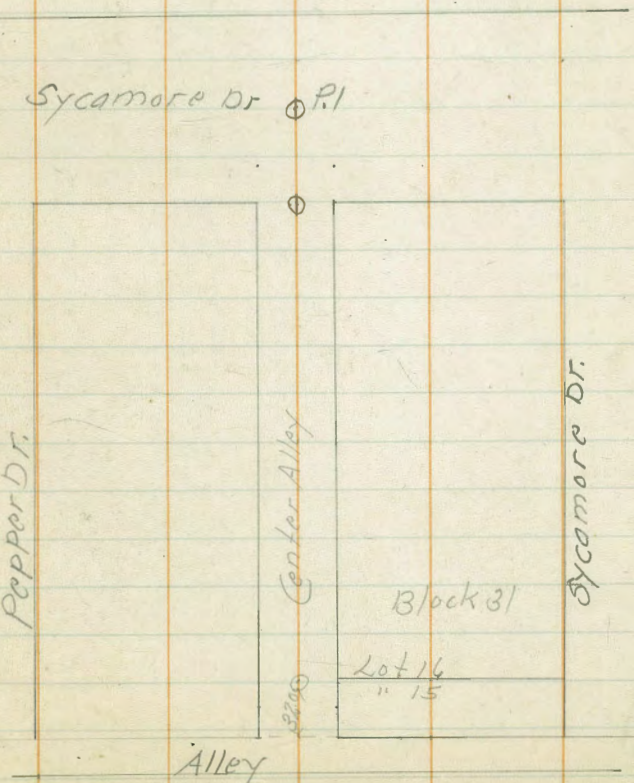
Center Alley

Sycamore Dr.

Alley

Lot 16  
" 15

Block 31



Location of servers  
 Center of Talip St.  
 From Willow to Sycamore  
 ✓ For Levels see Page 5

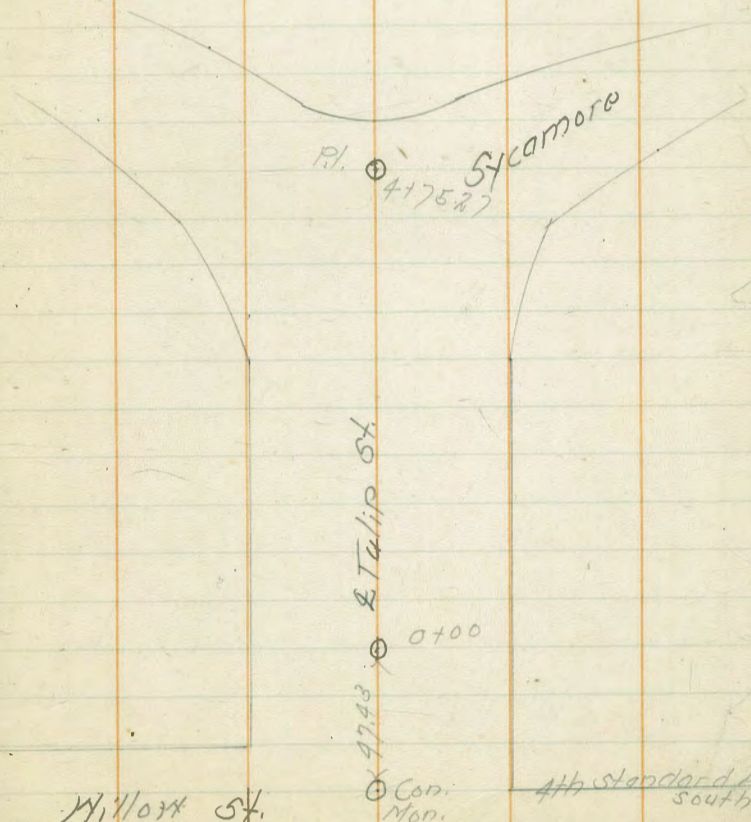
4175.27 = 14 + 16.26 At P.I. Talip & Sycamore

0 + 0.0 = 47.43 No. Cor. No. D. At Willow

Willow St.

Cor.  
Mon.

4th standard line  
south



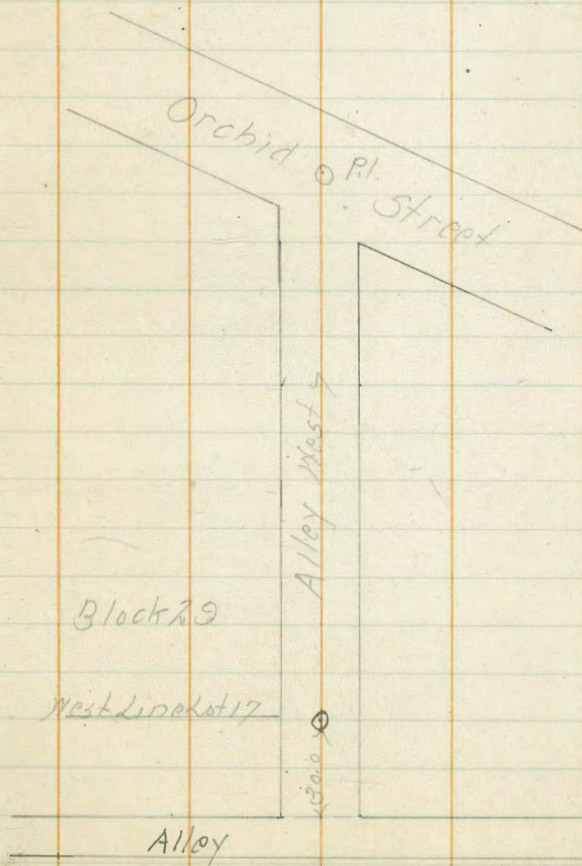
117

Location Sewers  
Center Alley East & West Block 29  
From W. Line Lot 17 to R.I. Orchid  
For Levels See Page 6

N. + 63.71 @ = N. + 35.42 R.O.T. R.I. Alley & Orchid

0 x 0.0

118  
10-20-24



119

Location of Servers  
Center Alley Blocks 14-25-11  
Between Hollywood & Pepper

For Levels See Page 18 to 20.

10 + 58.88 = 072809 P.I. Violet + Alley

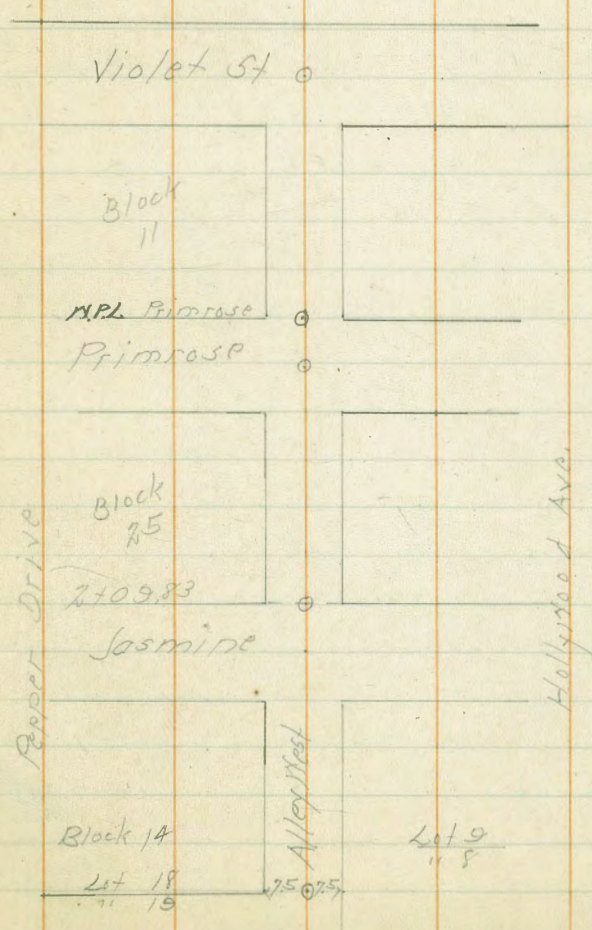
5 + 34.77 = P.O.T. M.P.L. Primrose

5 + 04.41 = P.O.T. = 0700 South

2709.83 = M.P.L. Jasmine

0700

120  
10-21-24



171

Location Bearings

Center Primrose From E Alley Between Hollyswood  
And Pepper Dr To Pl. Sycamore

For Levels See Page 17

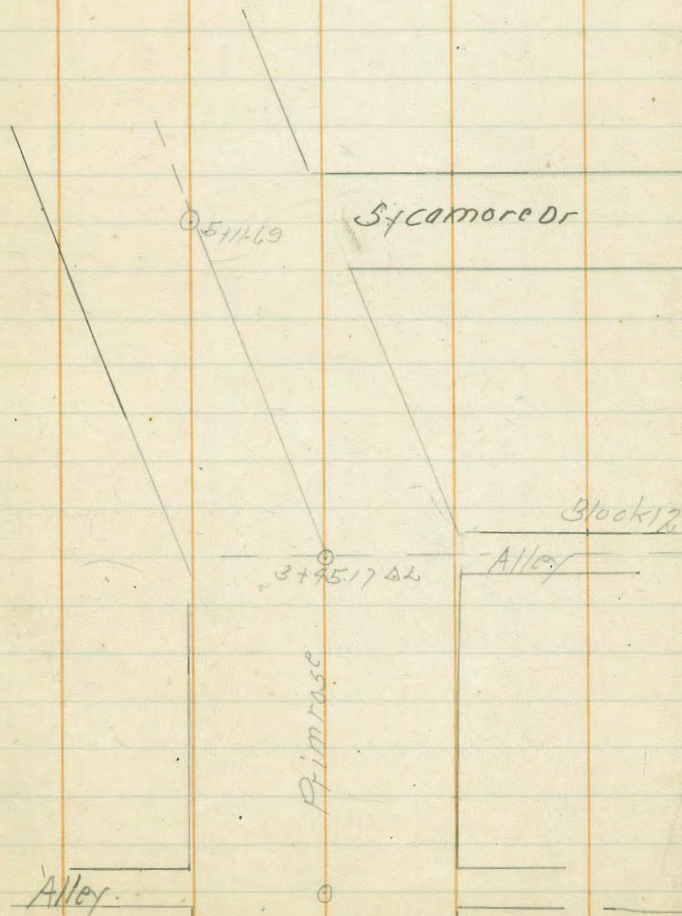
5+11.69  $\odot$  = 1+99.98 Pl. Primrose & Sycamore

N 27° 12' W

3+45.17  $\Delta$  L 5° 13' E Alley From West

N 22° 00' W

0+00 = 5+06.41





1/23

H.H.H. 10-22-29  
C.B. Walker  
H.A. Preston  
A. Sisson

124

A

Lot 20 x 15.0  
" 21

Magnolia St

0700

15.0 x 15.0  
E Hillon St  
Contra

125 Center Alley From Mission Place to Oak St  
 17+13.19 O.P.O.T. R.I. Oak St + Alley Blocks 1, 2, 3, 4, 5  
 16+88.19 O.P.O.T. E.P.L. Oak  
 For Levels See Page 47-49 Book No. 1115

13+38.19 O.P.O.T. H.P.L. Dahlia

11+50.69 P.O.T. R.I. Alley

10+13.19 P.O.T. H.P.L. Columbine

8+25.69 P.O.T. R.I. Alley

6+88.19 P.O.T. H.P.L. Iris

5+00.69 O.P.O.T. R.I. Alley

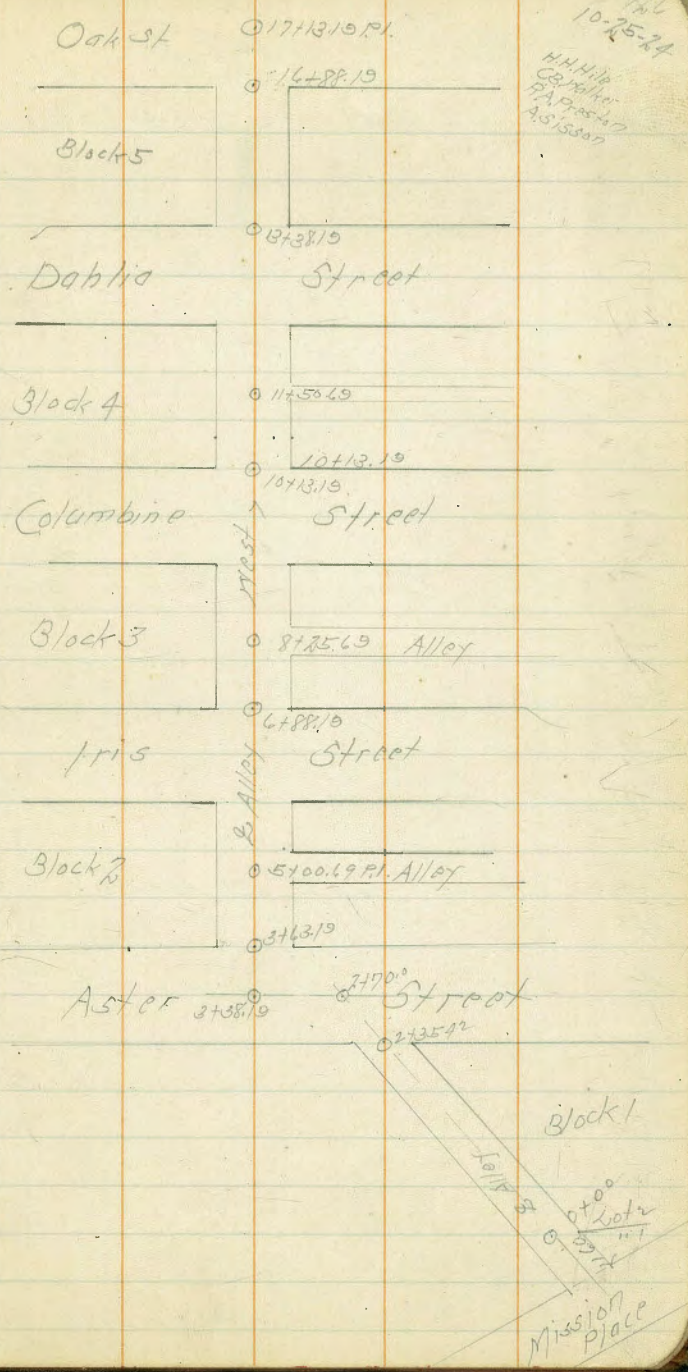
3+63.19 O.P.O.T. H.P.L. Aster

3+38.19 A.P. R.I. Aster + Alley

2+70.0 Δ R.I. Aster + Alley

2+35.42 O.P.O.T. E.P.L. Aster

0+00



127

Location servers

Center Alley in Block 4 N. 15.

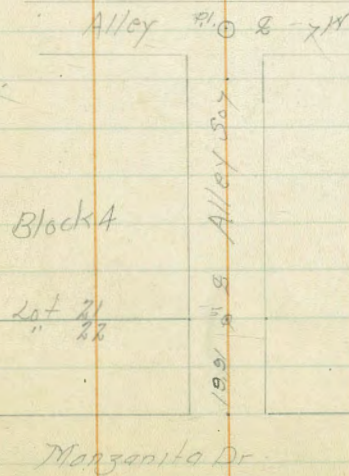
Between Manzanita Dr + Hollywood

For Levels See Page 50 Book No 1119

128  
10-25-21

2+07.5 @ = 11+50.69 R.L. Alley

0700



Center Lilac St. No. of Millers

For Levels Page 27

" 11 from D to 48378

7+07.04 @ = 47+00 A Line  
= 36+09.20 B Line

6+11.0 P.O.T.

4+83.28 ΔR 78°34'30" (?)

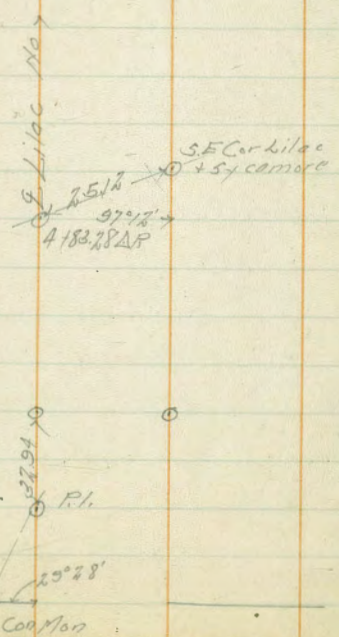
0+66.56 ΔL 79°28'

0+00

17-12-24  
H.H. Hill  
G.B. Walker  
A. Stinson

Lot 17 Block 28  
" 16

N.P.L. Miller



Sycamore St Through Alley Block 27

For Levels Page 28

3739.51 ○ = 11785.28

S70°10'W

1707.37 ○ M.P.L. Sycamore

0777.57 △ R52°06' Center Alley Prod.

N70°08'W

0700 △ L39°28' = 6784.52

0700 = ○ 6784.52 △

Sycamore +  
Violet ○ 4153.54  
5-173.9  
3710.58

Location Servers  
Center So. Alley Block 22  
East Mariposa

For Levels Page 23

1725.62 ○ P.L. Alley & Mariposa St ○

1700 ○ P.O.T. E.P.L. Mariposa ○

0700

W. Alley

Block 22

E. Alley

0700

134  
Location Servers  
Center So. Alley Block 23  
West Mariposa

For Levels Page 24

1788.06 ○ = 1725.62 E. Mariposa ○ 1788.06

0700

Block 23

E. Alley Line

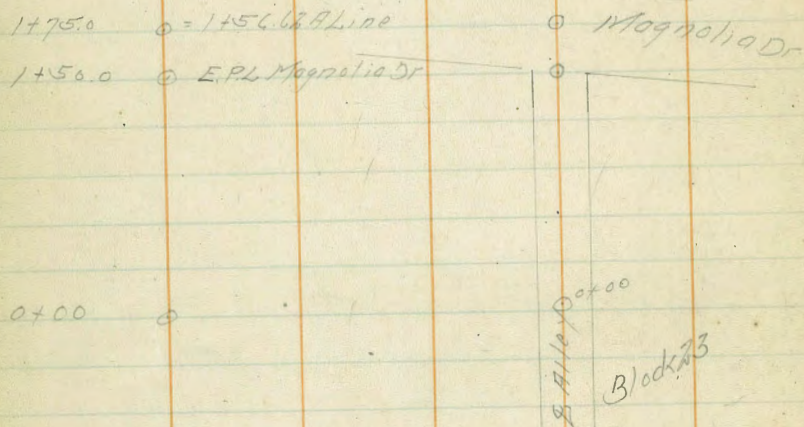
E. Alley

0700

Magnolia Dr.

Location Servers  
Center So. Alley Block 23 West Magnolia Dr.

For Levels Page 25

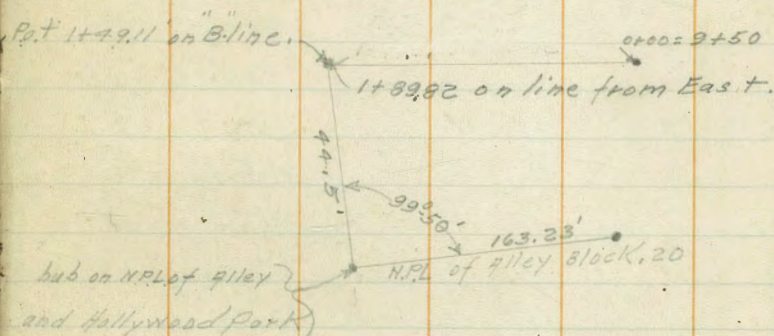


Elevations of Existing M.H.s. on 6th Ave Cont. from P. 141 136

Station	Point	Dist	Elevation	Notes
61+68.40	511	2.22.53'	287.42	SW. 8P Thorn 2.611
	P-49			
	2. Thorn	2. M.H. on Riv	4.85	287.68'
	"	" " Flow	10.59	281.94'
		10.76	230.74'	279.98
57+87.50	P-49			SW. 8P Spruce 6.114
	2. Spruce	2. M.H. on Riv	5.12	285.62'
	"	" " Top Pipe	10.46	280.28'
	"	" " Flow	11.13	279.61'
		11.18	153.07'	141.89
1+586	P-41			SW. 8P Elm 4.514
	2. Elm	2. M.H. on Riv	1.96	151.11'
	"	" " Flow	9.34	143.73'
		5.05	147.22'	142.17
1+43.10	25" N.L. Dots	P-41		SW. 8P Dots 4.614
	2. M.H. on Riv		5.10	142.12'
	"	" Flow	10.72	136.50'
		147.22		
0+57.4	P-41			19
	2. Dots	2. M.H. on Riv	4.02	143.20'
	"	" Flow	11.40	135.82'

Plotted

	+	HI	-	Elev.	
0+00 = 9+50	3.29	274.38		271.09	on hub
+15			1.90	272.5	
+25			1.70	272.7	
+50			3.70	270.7	
+60			5.60	268.8	
+75			6.40	268.0	
+90			7.30	267.1	
+100			8.00	266.4	
+10 P.O.T. 0			8.29	265.89	
+25			10.60	263.8	
+35			12.50	261.9	
T.P.	1.37	263.19	12.56	261.82	
+50			4.30	258.9	
+65			7.80	256.4	
+75			10.20	253.0	
T.P.	6.13	257.01	12.31	250.88	
on hub.					
+89.82			8.07	248.94	check
0+00 on B-line =					on hub.
15+00 on B-line =			7.85	249.16	





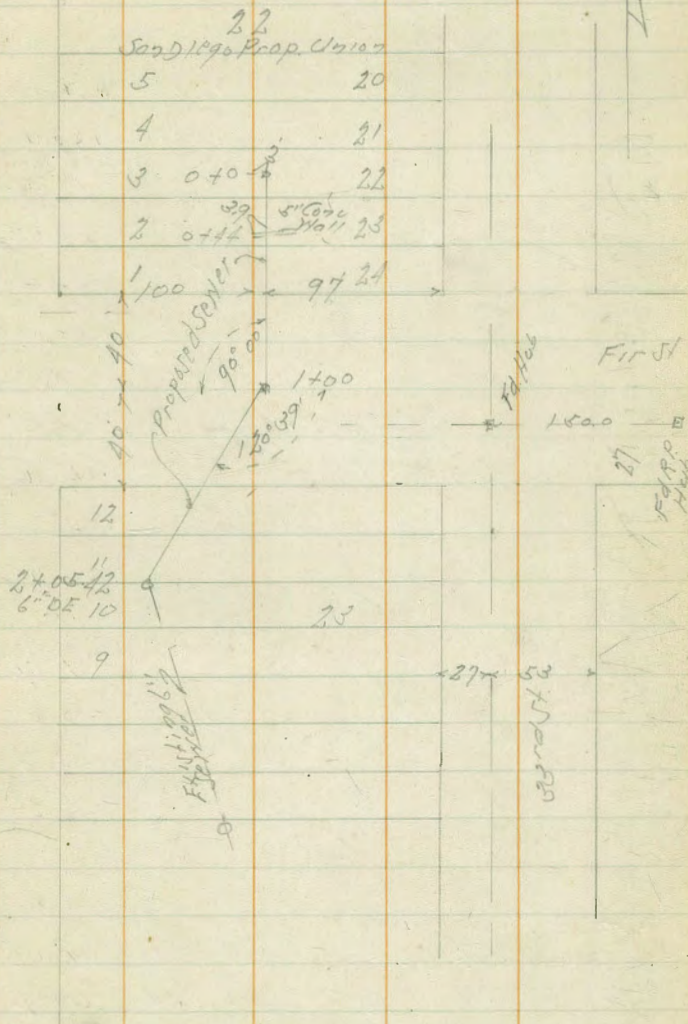
139

Proposed Sewer in Blocks 22-23  
San Diego Property Union

BM	2.59	260.29		257.70	N.W.R.P. in wall FIR + 89 200 ft
0+0			0.44	259.85	on Stub
+25			4.0	256.3	
+44			6.4	253.9	
+44	Top 5 Conc Wall		4.05	256.24	
+46			6.7	253.6	
+50			7.5	252.8	
+75			11.1	249.2	
TP	2.93	250.20	13.02	247.27	
+10	A 30° 39' 18"		5.14	245.06	on Stub
+05			6.7	243.5	
+20			12.9	236.3	
TP	1.27	238.75	12.72	237.48	
+37			11.8	227.0	
+40			12.5	225.3	
TP	0.20	225.88	13.07	225.68	
+54			10.1	215.8	
+67			14.4	211.5	
+92			13.7	212.2	
2+0542 Ground			5.3	220.6	
2+0543 Existing D.F.			5.57	220.31	on Top 6" Conc Ball
			6.25	219.63	Flashed

Indexed  
E.S.K.March 15, 43  
S. S. S. P.  
Bliss  
Begg

140



Elevations on Existing M.H.s.

Walker  
Hurdin  
Boys

on 6th Ave Cont. from P-62

11-2-44	154	266.49'		264.95	NW 8P Notway + 6th
38+84 P-47			6.53	259.96'	Pipe runs thru - Not open
- E. Notway - L. M.H. on Rim					
" " " " " Top Pipe			12.12	254.37'	
" " " " " calc.			0.67		
" " " " " Flow			12.79	253.70'	
5.74	272.76'			267.02	NW 8P Olive + 6th
42+66.7 P-47			5.95	266.81	
- M.H. L. Olive St. on Rim					
" " " " " Top Pipe			12.85	260.70	Pipe Runs thru M.H.
" " " " " Flow			12.73	260.03'	
3.33	278.60			275.27	NW 8P PALM + 6th
46+45.44 P-47			4.23	274.40	
- L. Palm - L. M.H. on Rim					
" " " " " Top 6" Pipe			10.83	267.77'	Pipe runs thru M.H.
" " " " " Flow			11.50	267.10'	
7.05	285.06'			278.01	NW 8P 5th + Quince
50+75.7 P-49			5.05	280.01'	
- L. Quince - L. M.H. on Rim					
" " " " " Top 6" Pipe			10.88	274.18'	
" " " " " Flow			11.55	273.51'	
7.90	286.86'			278.96	NW 8P Redwood 5th
54+07.6 P-49			3.71	286.15	
- L. Redwood - L. M.H. on Rim					
" " " " " Top 6" Pipe			7.03	277.83'	
" " " " " Flow			9.70	277.16'	

Cont P-136

DIRECTIONS FOR USE OF TABLES

TABLE No. 1

Distance of side stake from side or shoulder stake for any width roadway, slope 1% to 1%. If ground is nearly level, the cut or fill at side stake is located by the double entry method in the column and top row. The number in body of table in same row and column gives distance level estimate the difference in elevation between the side stake and the lower target by this amount if cut, elevate if fill. Add for amount to cut or fill and distance in table. Set up rod at end and distance in table. Could cut target. If it does not make the slight adjustment necessary.

IMPROVED TABLES AND INFORMATION

TABLE No. 2

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections. Degree of curve with a given I may be found by dividing tangent (or external), opposite I by given tangent (or external). The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.

TABLE X.  
MIDDLE ORDINATES OF RAILS  
Length of Rail (feet)

C	R	30	28	26	24	22	20	C	R	30	28	26	24	22	20
o /	Feet	Inch	Inch	Inch	Inch	Inch	Inch	o	Feet	Inch	Inch	Inch	Inch	Inch	Inch
0-20	17189	.08	.07	.06	.05	.04	.03	8	716.8	1.88	1.64	1.42	1.20	1.01	.84
0-40	8594	.16	.14	.12	.10	.08	.07	9	637.3	2.12	1.84	1.60	1.35	1.14	.94
1-0	5730	.24	.20	.18	.15	.13	.10	10	573.7	2.36	2.05	1.78	1.50	1.27	1.04
1-20	4297	.31	.27	.23	.20	.17	.13	11	521.7	2.59	2.26	1.95	1.65	1.39	1.15
1-40	3438	.39	.34	.29	.25	.21	.17	12	478.3	3.83	2.47	2.15	1.81	1.54	1.26
2-0	2865	.47	.41	.35	.30	.25	.20	13	441.7	3.05	2.66	2.30	1.96	1.66	1.36
2-20	2456	.55	.48	.41	.35	.29	.23	14	410.3	3.30	2.87	2.48	2.10	1.78	1.46
2-40	2149	.63	.55	.47	.40	.33	.27	15	383.1	3.54	3.08	2.68	2.26	1.91	1.57
3-0	1910	.71	.62	.53	.45	.38	.31	16	359.3	3.76	3.28	2.83	2.40	2.04	1.67
3-20	1719	.78	.68	.59	.50	.42	.35	17	338.3	4.00	3.48	3.02	2.57	2.16	1.78
3-40	1563	.86	.75	.65	.55	.46	.38	18	319.6	4.21	3.67	3.18	2.70	2.28	1.87
4-0	1433	.94	.82	.71	.60	.50	.42	19	302.9	4.45	3.89	3.36	2.86	2.41	1.98
4-20	1323	1.02	.89	.77	.65	.55	.45	20	287.9	4.70	4.09	3.55	3.00	2.54	2.09
4-40	1223	1.10	.96	.83	.70	.59	.48	22	262.0	5.16	4.44	3.84	3.30	2.80	2.29
5	1146	1.18	1.03	.89	.75	.63	.52	24	240.5	5.64	4.92	4.20	3.59	3.04	2.50
6	955.3	1.41	1.23	1.06	.90	.76	.62	26	222.3	6.07	5.29	4.58	3.88	3.29	2.70
7	819.0	1.65	1.44	1.24	1.05	.89	.73								

TABLE XI.  
SHORT RADIUS CURVES

Radius Feet	Chord Feet	Central Angle	Deflection Angle	Deflection for 1 Foot
35	10	16-26	8-13	49.3
45	10	12-46	6-23	38.3
50	15	17-16	8-38	34.5
60	15	14-22	7-11	28.8
75	15	11-30	5-45	23.0
100	20	11-30	5-45	17.3
120	20	9-34	4-47	14.3
150	20	7-39	3-49	11.5
190	25	7-32	3-46	9.15
200	25	7-10	3-35	8.6
225	25	6-25	3-12	7.7
240	25	5-58	2-59	7.2
250	25	5-44	2-52	6.9
275	25	5-12	2-36	6.2
288	50	9-58	4-59	6.0
300	50	9-32	4-46	5.7
350	50	8-12	4-06	4.9
376	50	7-40	3-50	4.6
400	50	7-10	3-35	4.3
410	50	7-00	3-30	4.2

To find length of curve divide angle from P. C. to P. T. by central angle of chord, and multiply by length of chord.

TABLE XII.  
INCLINED DISTANCE OF 100 FT. REDUCED TO HORIZONTAL

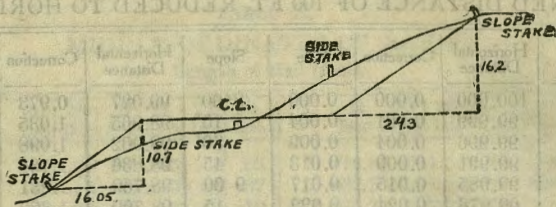
Slope	Horizontal Distance	Correction	Rise	Slope	Horizontal Distance	Correction	Rise
0°00'	100.000	0.000	0.000	8°00'	99.027	0.973	0.139
15'	99.999	0.001	0.004	15'	98.965	1.035	0.143
30'	99.996	0.004	0.009	30'	98.902	1.098	0.148
45'	99.991	0.009	0.013	45'	98.836	1.164	0.152
1 00	99.985	0.015	0.017	9 00	98.769	1.231	0.156
15	99.976	0.024	0.022	15	98.700	1.300	0.161
30	99.966	0.034	0.026	30	98.629	1.371	0.165
45	99.953	0.047	0.031	45	98.556	1.444	0.169
2 00	99.939	0.061	0.035	10 00	98.481	1.519	0.174
15	99.923	0.077	0.039	15	98.404	1.596	0.178
30	99.905	0.095	0.044	30	98.325	1.675	0.182
45	99.885	0.115	0.048	45	98.245	1.755	0.187
3 00	99.863	0.137	0.052	11 00	98.163	1.837	0.191
15	99.839	0.161	0.057	15	98.079	1.921	0.195
30	99.813	0.187	0.061	30	97.992	2.008	0.199
45	99.786	0.214	0.065	45	97.905	2.095	0.204
4 00	99.756	0.244	0.070	12 00	97.815	2.185	0.208
15	99.725	0.275	0.074	15	97.723	2.277	0.212
30	99.692	0.308	0.078	30	97.630	2.370	0.216
45	99.657	0.343	0.083	45	97.534	2.466	0.221
5 00	99.619	0.381	0.087	13 00	97.437	2.563	0.225
15	99.580	0.420	0.092	15	97.338	2.662	0.229
30	99.540	0.460	0.096	30	97.237	2.763	0.233
45	99.497	0.503	0.100	45	97.134	2.866	0.238
6 00	99.452	0.548	0.105	14 00	97.030	2.970	0.242
15	99.406	0.594	0.109	15	96.923	3.077	0.246
30	99.357	0.643	0.113	30	96.815	3.185	0.250
45	99.307	0.693	0.118	45	96.705	3.295	0.255
7 00	99.255	0.745	0.122	15 00	96.593	3.407	0.259
15	99.200	0.800	0.126	15	96.479	3.521	0.263
30	99.144	0.856	0.131	30	96.363	3.637	0.267
45	99.087	0.913	0.135	45	96.246	3.754	0.271

For each foot take one one-hundredth of each reading.

TABLE XIII.  
MINUTES IN DECIMALS OF A DEGREE.

0 30"	.00833	10' 30"	.17500	20' 30"	.34167	30' 10"	.50833	40' 30"	.67500	50' 10"	.84167
1 00	.01667	11 00	.18333	21 00	.35000	31 00	.51667	41 00	.68333	51 00	.85000
30	.02500	30	.19167	30	.35833	30	.52500	30	.69167	30	.85833
2 00	.03333	12 00	.20000	22 00	.36667	32 00	.53333	42 00	.70000	52 00	.86667
30	.04167	30	.20833	30	.37500	30	.54167	30	.70833	30	.87500
3 00	.05000	13 00	.21667	23 00	.38333	33 00	.55000	43 00	.71667	53 00	.88333
30	.05833	30	.22500	30	.39167	30	.55833	30	.72500	30	.89167
4 00	.06667	14 00	.23333	24 00	.40000	34 00	.56667	44 00	.73333	54 00	.90000
30	.07500	30	.24167	30	.40833	30	.57500	30	.74167	30	.90833
5 00	.08333	15 00	.25000	25 00	.41667	35 00	.58333	45 00	.75000	55 00	.91667
30	.09167	30	.25833	30	.42500	30	.59167	30	.75833	30	.92500
6 00	.10000	16 00	.26667	26 00	.43333	36 00	.60000	46 00	.76667	56 00	.93333
30	.10833	30	.27500	30	.44167	30	.60833	30	.77500	30	.94167
7 00	.11667	17 00	.28333	27 00	.45000	37 00	.61667	47 00	.78333	57 00	.95000
30	.12500	30	.29167	30	.45833	30	.62500	30	.79167	30	.95833
8 00	.13333	18 00	.30000	28 00	.46667	38 00	.63333	48 00	.80000	58 00	.96667
30	.14167	30	.30833	30	.47500	30	.64167	30	.80833	30	.97500
9 00	.15000	19 00	.31667	29 00	.48333	39 00	.65000	49 00	.81667	59 00	.98333
30	.15833	30	.32500	30	.49167	30	.65833	30	.82500	30	.99167
10 00	.16667	20 00	.33333	30 00	.50000	40 00	.66667	50 00	.83333	60 00	1.00000

TABLE XII  
 INCHES RANGE OF 1 FT. REDUCED TO HORIZONTAL



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

Computed by L. Leland Locke.

Handwritten calculations and diagrams on the right page of the notebook. The page contains several arithmetic problems, some involving long division and others involving multiplication. There are also some small diagrams and notes.

Calculations include:

- $143.17 / 10017 = 0.0143$
- $524 / 4018 = 0.1304$
- $381 \overline{) 700} \rightarrow 381 \overline{) 3190} \rightarrow 381 \overline{) 3048} \rightarrow 381 \overline{) 1230} \rightarrow 381 \overline{) 1143}$
- $183 \overline{) 350} \rightarrow 549 \overline{) 915} \rightarrow 649 \overline{) 649}$
- $63 \overline{) 22} \rightarrow 1932 \overline{) 1288} \rightarrow 14812$
- $42 / 30 = 1.4$
- $381 \overline{) 1000} \rightarrow 381 \overline{) 700} \rightarrow 381 \overline{) 2400} \rightarrow 381 \overline{) 1200} \rightarrow 381 \overline{) 1140}$
- $42 \overline{) 526} \rightarrow 1252 \overline{) 1104}$
- $381 \overline{) 650} \rightarrow 381 \overline{) 3000} \rightarrow 381 \overline{) 266000} \rightarrow 381 \overline{) 3420}$
- $58 \overline{) 1432} \rightarrow 895 \overline{) 10382} \rightarrow 850 \overline{) 7000} \rightarrow 900 \overline{) 9000}$
- $0.223 \overline{) 61} \rightarrow 229 \overline{) 1338}$
- $381 \overline{) 1810} \rightarrow 381 \overline{) 1520} \rightarrow 381 \overline{) 3300} \rightarrow 381 \overline{) 3040} \rightarrow 381 \overline{) 26002722}$
- $1094 \overline{) 3500} \rightarrow 3420$
- $105 \overline{) 395} \rightarrow 376$
- $381 \overline{) 400} \rightarrow 381 \overline{) 381} \rightarrow 2000409$
- $53 \overline{) 315} \rightarrow 525$
- $61 \overline{) 895} \rightarrow 1074$
- $11864 \overline{) 136436}$
- $1694 \overline{) 350} \rightarrow 7300$

388  
6

110  
464  
LT

✓27  
645  
10.72

229.60  
10.00  
219.60  
6.45  
222.95  
14.65  
+6.30

540

73  
61  
13.85  
75.00

645  
491  
1140

1421.7 SW BR 6 1/4 Date  
437  
1465.4

490  
141.64 NW BR 6 1/4 Date

232.9 2/12.5 4.62  
52.95 64.5 2.73  
285.85 13.97  
52.9

338.95  
52.9 3.00  
391.85  
64.25 3 20  
455.75  
64.25 3.00  
520.00 2.60

3085  
61.67  
520.00 275  
61.67  
581.47 280.1  
61.67  
643.34  
11.44  
705.00

27896  
26.4  
6470  
61.47  
701.47  
61.67 110  
763.34  
61.65  
825.00  
45  
70  
834.00  
117.00  
17.00

5.45  
17.40  
16.95

310  
3040

315 | 7.00  
6.30  
7.00  
6.30  
7.00

391.5  
128.5  
520.0  
57  
222  
114  
114  
1.2654

222  
1110  
1110  
1110  
1110  
222  
59  
1998  
1110  
1309

310 | 18.00  
17.00  
1.000  
6.50  
3200

380 | 45  
350  
700  
350  
3200  
3040  
1600

380 | 650  
350  
2750  
2660  
40  
855  
684  
855  
931.95

4/240 3/140  
40 46.67

27596  
266  
281.62

2810  
250  
75  
1900  
2660  
285

281.81  
1798  
1110  
1309  
40  
7  
301

5.9  
128.3  
133.5  
4.6

57  
7  
259

45 280  
1920 2124  
2796  
140  
280.86

171  
56 684  
7026  
513  
61