

1122

LEVEL BOOK

MICROFILMED

DEC 21 1964

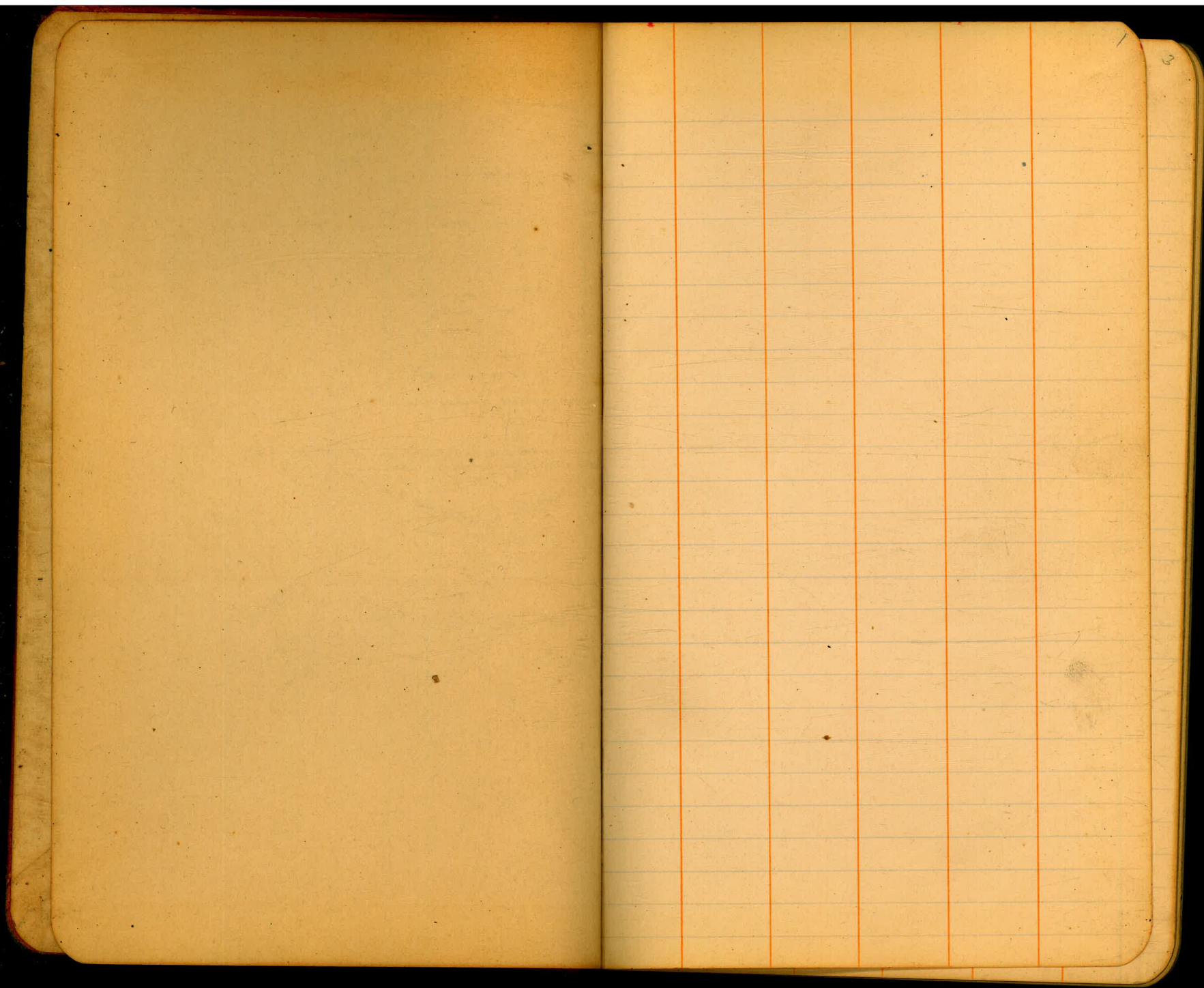
1122

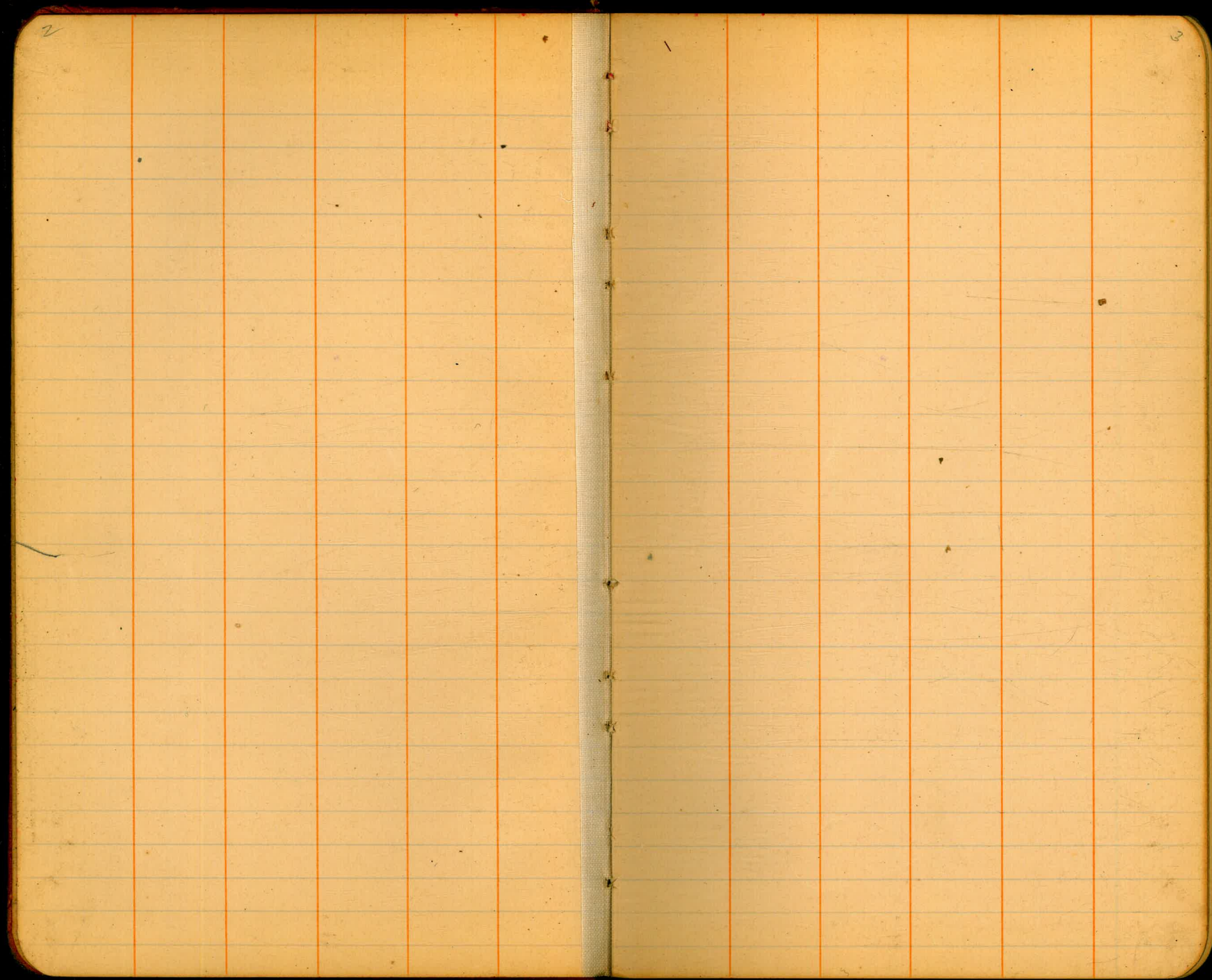
10.15
57.98
57.98
60.95
63.45
63.45
10.15
329.05

27+7819
26+108
12739

4.926
3.837

27+7819
8105
28 59.24





6
Location Server
Center South Alley Block 9

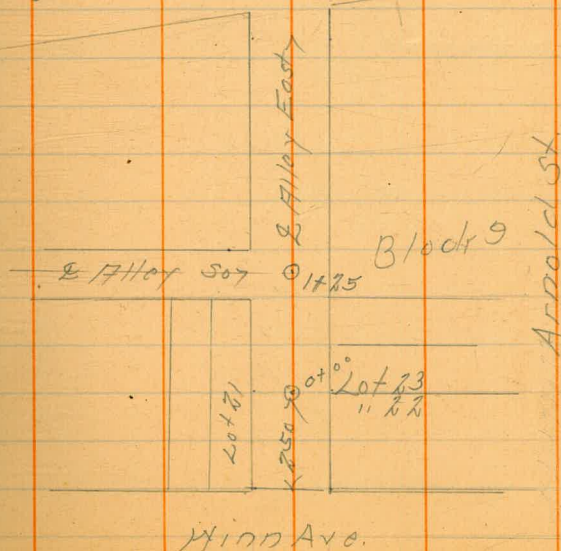
For Levels See Page

3+19.6 @ P.I. Contour + Alley
-4+70.9 Trunk Line

1+25.0 @ P.O.T. P.I. Alleys

0+00 @ Opp Lot 22+23 Block 9

7
51st. Contour @ 3+19.6



Location Survey
Trunk Line Center Contour Boul. ✓
Alley Block 6 Elliot St.

For Levels See Page 38-49

17+33.690 = 6+55.45 P.I. Alley

14+03.650 P.I. Elliot + Alley

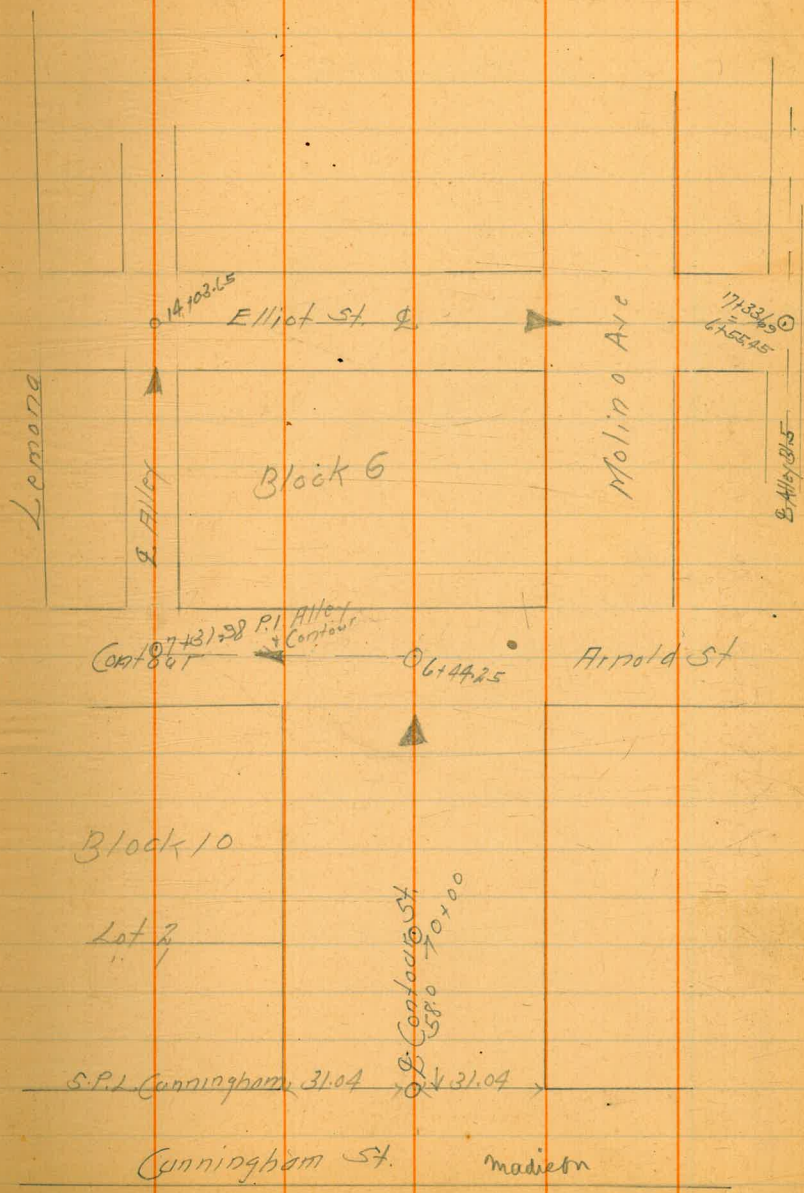
7+31.98 Δ P.I. Alley

6+44.25 Δ L 46°29'33" P.I. Contour + Arnold St

4+70.90 = 3+19.6 P.I. Alley

0+00 ○ Opp Lot 1 + 2 Block 10

11-14-24



Location Server
Trunkline Cont
And Stab So. Alley Block 4

35+24120 Pl. Florence + Alley

28+59240 S.P.L. El Cojon + Alley

27+7819 AL

26+10.8 AP

25+90.5 P.O.T. N.P.L. El Cojon + E. Wind

24+13.96 Pl. Wind + Alley

22+48.60 Pl. Alley + N+5 - E+4 Block 4

E. Florence 35+24120 Trojan

Block 4

28+7819

27+7819

26+10.8

N.P.L. El Cojon

El Cojon Nest

E. Cojon 26+10.8

N.P.L. El Cojon 25+90.5

Block 4

Stab

E. Alley 22+48.60

80.0 Stab

22+48.60

80.0 From East

Molino

Block 4

E. Alley 50.0

30.0

24+13.96

Pl. Wind Alley

Wind

E. Wind

Alameda

E. Elliot

17+22.9

see page 60 for this

Location Survey
Trunk Line Cont.

45+190 @ P.O.T. P.L. Florence + Alley

43+18.97 E.P.L. Cerros + Florence

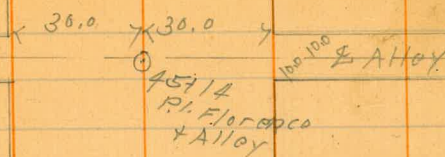
41+84.12 @ P.O.T. E. Florence + Alley

40+49.12 @ M.P.L. Winona + Florence

38+54.12 @ P.O.T. E. Florence + Alley

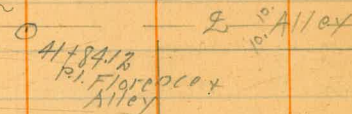
37+19.120 M.P.L. Manzanita + Florence

11-22-24
H.H.H. Jr
C.B. Doffer
A. Sisson



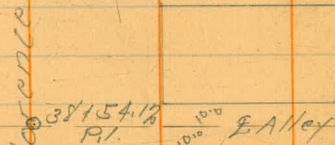
Cerros = 49th

43+18.97



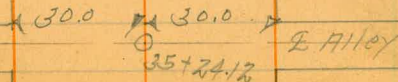
40+49.12

Winona



37+19.12

Manzanita = 50th



El Cajon

S.P.L. El Cajon
100.00
028-150-22

Location Servers
Trunk Line Cont.

511740 © P.I. Florence + Alley
= Man Hole Existing Server

507390 © N.P.L. Alpine + Florence

481440 © P.O.T. P.I. Florence + Alley

461490 © E.P.L. Estrella + Florence

30.0 X 30.0

51174
Man Hole
Existing Server

10/10

Alley

M.H.

507390

Alpine

El Cajon

Florence

10/10 Alley

Estrella

461490

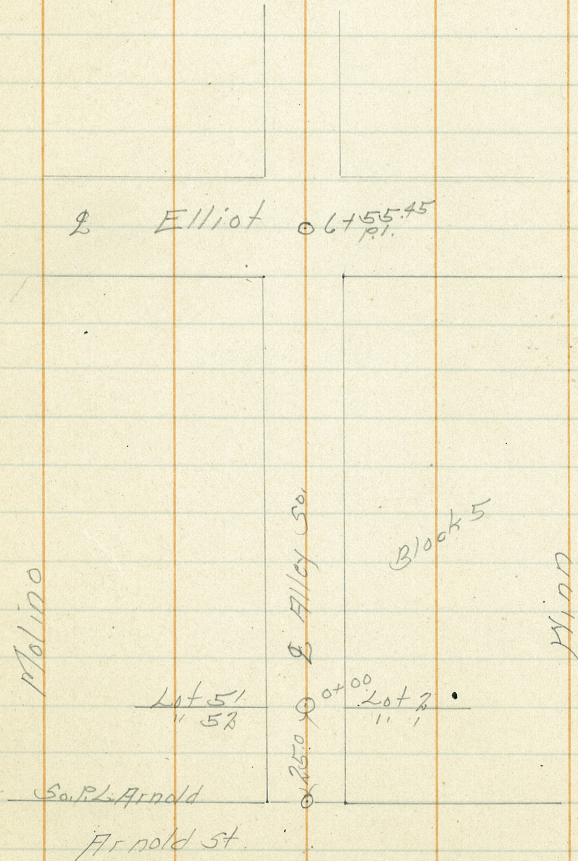
30.0 X 30.0

Location Sectors
Center Alley Block 5
From Arnold to Elliot

For Levels See Page 50-51

6+55.450 P.I. Elliot + Alley
= 17+33.69 Trunk

0+00



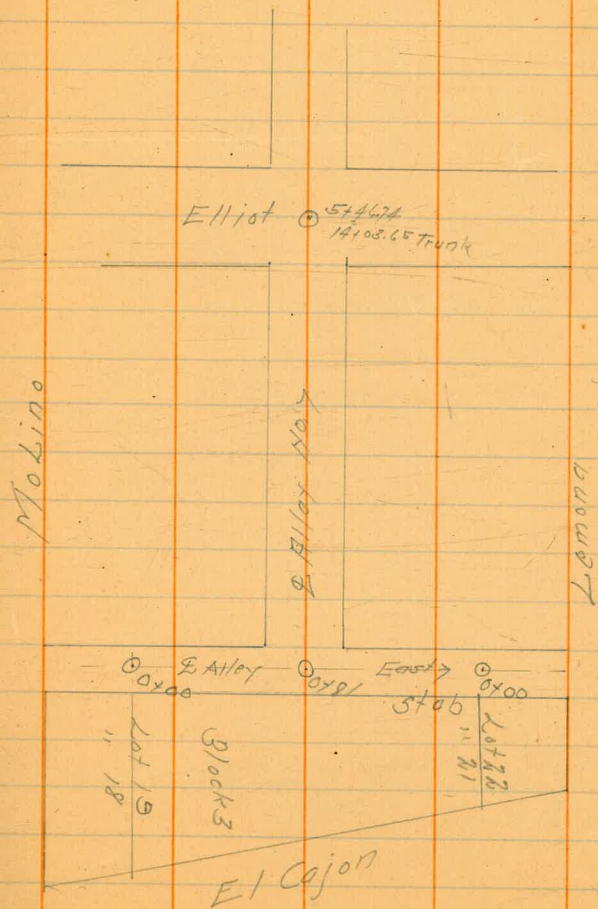
Location Survey
Center Alley Block 3
And Stab So. Alley Block 3 East N+S Alley

For Levels See Page 56

5446.740 = 14108.65 Pl. Elliot's Alley
Trunk

0+81 Δ L Pl. Alley's

0+00 ○ Opp Lot 18+19 Bl. 3



Location Servers.
 Alley East + West + North + South Block 1
 Center Contour Bld. to Alley in Block 7
 Stab in Block 1 E + W Alley
 For Levels See Page 52-54

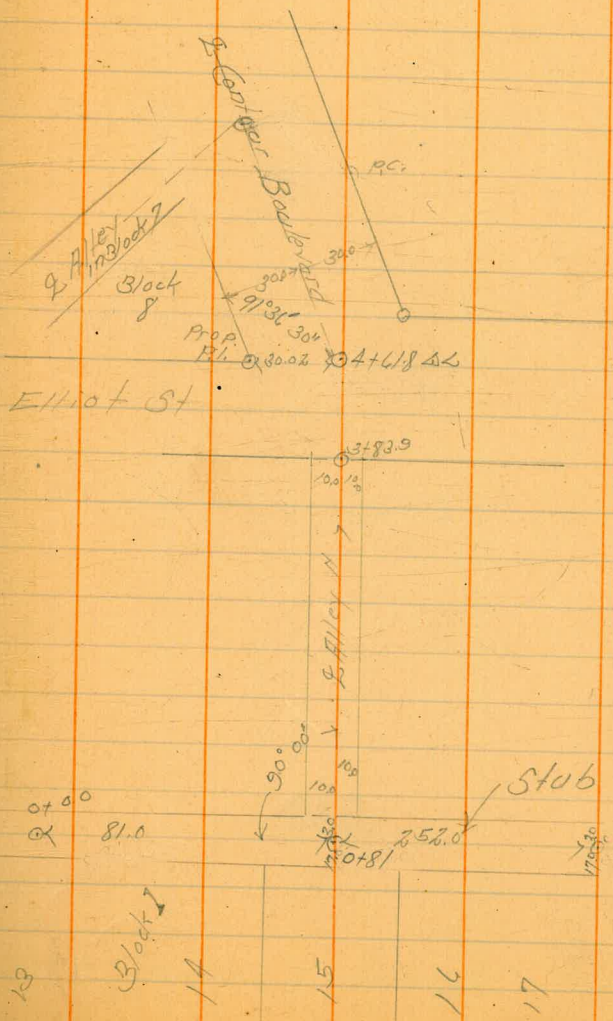
9+99.77 P.L. Alley Prod. To E. Contour Bld.

4+61.8 ΔL 37°40'

3+83.9 ○ P.O.T. So. P.L. Elliot

0+81.0 ΔL = 2+52 Stab From East

0+00 ○ Opp Lot 13 + 14 Block 1



Location Servers

Center Contour Boulevard And Alley
Block 7 to Elliot

For Levels See Page 34

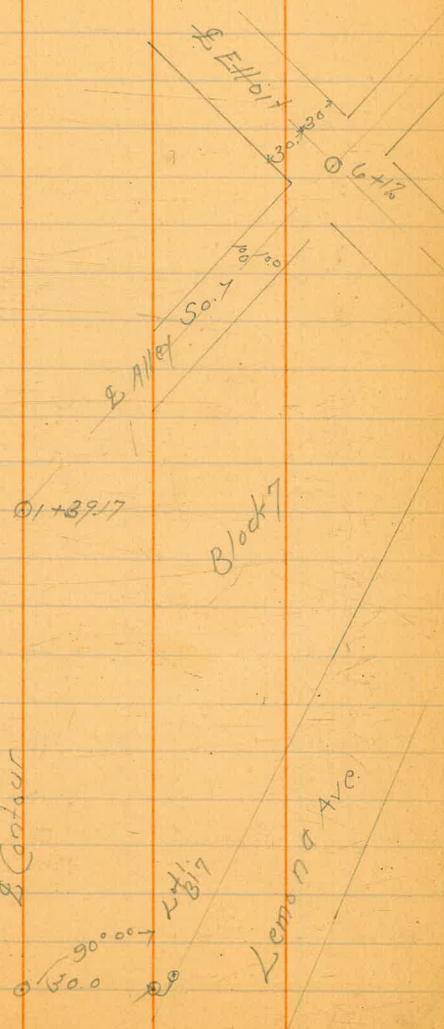
9+41.85 @ = 14+03.65 Trunk P.I. Alley Bl. 6 + Elliot

6+12.0 @ E Elliot St

1+39.17 @ = 9+99.77
See Page 20 Center Alley Prod Block 7

0+00 @ E St Contour Opp. Lot 142 Bl. 114 X 114 Cor Lot 137

ALHAMBRA PARK



24

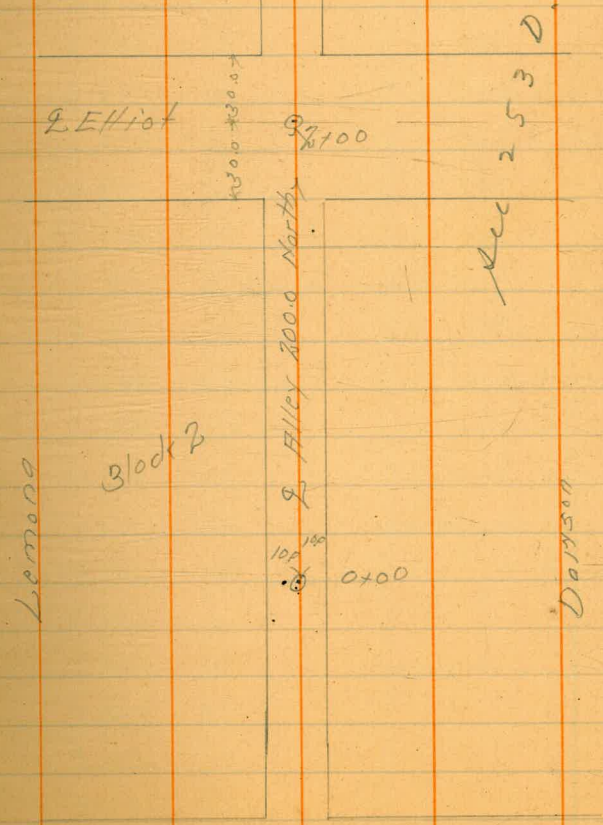
Location Survey
Center Alley Block 2
200ft South Center Elliot

For Levels Page 55

2700 @ P.I. Alley & Elliot
6+12

0700 @

25
11-1920



26
PlottedSewer levels & ALLEY ^{between 49th} ALPINE +
Estrelia: Florence North To EXMISSION LINE

Plotted

NEITON	603	354.24	348.21	EL CAJON + EUCLID
EX. MH @ Florence = 0+00		99.5	344.29	ON RIM
0+00		14.25	339.99	= FLOW LINE
+38 N		10.1	344.1	
+46 N		12.7	341.5	
+75 N		12.4	341.8	
1+00		11.0	343.2	
+35		7.7	346.5	
+75		6.6	347.6	
2+00		6.0	348.2	
+50		5.9	348.3	
+75		5.5	348.7	
+90		4.3	349.9	
3+00		4.4	349.8	
+50		3.6	350.6	
4+00		1.6	352.6	
+30		1.0	353.2	
+35 - SL EL CAJON		3.4	350.8	
+80 - S edge paving		3.4	350.8	
+96 N		3.2	351.0	
5+00		3.0	351.2	
+35 = NL EL CAJON		2.5	351.7	
+55 =		1.8	352.4	
6+00		1.7	352.5	
+50		1.4	352.8	
7		1.5	352.7	

354.24

27

+50		1.3	352.9	
8+00 = T.P.	10.99	364.17	1.06	353.18
+50			10.6	353.2
9+00			10.2	354.0
+50			9.1	355.1
10+00			8.3	355.9
+50			7.4	356.8
11+00			6.5	357.7
+50			5.4	358.8
12+00			5.0	359.2
+50			4.3	359.9
13+00			3.6	360.6
+40			3.8	360.4
+50 = EXMISSION LINE (Approval)			4.6	359.6
+60			5.2	359.0
T.P.	11.48	373.87	1.78	364.39
T.P.	5.19	377.62	1.44	377.43

Plotted

Sewer Levels & ALLEY betw ESTRELLA &
 49th
 Cervos HVO EX. MISSION LINE to MH
 & Florence

377.62 ✓

EX. MISSION = 0+00

+65.5

100.5

+50

75' west of 1+50

200

+50

300

75' west of 300

3+50

400 = T.P. 0.8 ✓

365.49 ✓

+50

500

+50

600

+50

700

+50

+70 approx N of El Cagon

800

+11 ✓ N of paving

+27 ✓ SW ✓

+35

+43 ST.P 3.7 ✓

356.10 ✓

900

5. ✓ 372.4

3. ✓ 374.4

3.3 374.3

3.3 374.3

6.3 371.3

4.8 372.8

7.0 370.6

9.3 368.3

13. ✓ 364.2

10.9 366.7

12.97 364.65 ✓

3. ✓ 362.3

5.0 360.5

7.6 357.9

9.1 356.4

9.8 355.6

10.6 354.9

11.4 354.1

11.6 353.9

11.6 353.9

11.8 353.6

11.8 353.6

11.8 353.6

12.66 352.83 ✓

4.8 351.3

9+50

1000

+40

1100

+50

1200

+50

1300

+36

+65 = EX. MH R.I.M. & Florence 7.30 348.80

= Flowline

TP 6.01 361.71 ✓

5.3 350.8

6.5 349.6

5.8 350.3

6.5 349.6

5.2 350.8

5.1 351.0

6.8 349.3

8.5 347.6

8.1 349.0

7.30 348.80

12.36 343.74

0.40 355.70 ✓

30

Sewer Levels & Alley betw. Cernox +
W. WONG from EX M.H. in BIK 45 Resub of
Fairmont

platted.

361.71 ✓

EX M.H. = $\frac{+20}{0+00}$ = Flowline	7.97	353.74
= RIM	3.30	358.41
50' N	4.1	357.6
100	5.8	355.9
+50	4.8	356.9
200	4.0	357.7
+20	2.2	359.5
+50	1.5	360.2
T.P. 1171 372.85 ✓	0.57	361.4 ✓
+93 - Approx St El Cajon	11.6	361.3
3+24	11.0	361.9
+30	8.4	364.5
+39 ✓ sl paving	8.15	364.70
3+24	8.10	364.75
+67	8.5	364.4
+71	9.1	363.8
+88	7.0	365.9
400	6.1	366.8
+50	3.5	369.4
500	1.7	371.2
+50 T.P. 107 ✓ 383.50 ✓	0.07	372.78 ✓
6	8.8	374.7
+50	7.2	376.3
7	5.5	378.0
+50	5.0	378.5

383.50 ✓

31

8

4.0 379.5

+50

3.4 380.1

9

3.5 380.0

+50

3.7 379.8

1000

4.1 379.4

+50

5.8 377.7

11

6.5 377.0

+13 = Approx. EX Mission Line 7.1 376.4

T.P. 195 371.55 ✓ 1300 370.50 ✓

T.P. 096 359.75 ✓ 1276 358.79 ✓

T.P. 182 355.83 ✓ 574 354.01 ✓

checks BUM 785 = 47.98 ✓ 348.21

Sewer Levels & ALLEY 11/2/6 Moore
BIR 35 FAIRMONT Hdd.

Plotted.

Rim MH & Florence 27.5
Gr. Elevation 4 Cont. of 0-0700

351.55 ✓

348.80

349.50

0+18 S

3.4 348.1

T.P.

5.7

354.19

0.42

349.02

+38

2.3 349.2

5.37

348.8

348.80

+67

2.0 349.5

100 S

2.4 349.1

+50

3.4 348.1

200 S

4.4 347.1

+30

4.8 346.7

+50

4.6 346.9

300 S

4.8 346.7

+50

6.0 345.5

+90

7.0 344.5

400

7.7 343.8

+23

10.1 341.4

T.P.

0.6 ✓

339.87

12.22 339.23 ✓

+40

2.3 337.6

+65

10.1 329.8

+90

15.5 324.4

5+20

18.0 321.9

+40

15.2 324.7 ✓

+75

6.6 333.3

6

1.4 338.5

TP

12.92

349.50 ✓

32.9 336.580

+25

6.8 342.7

+46

3.9 345.6

4+70 Abbr. of Orange Ave

4.4 345.1

Levels on Servers

Center Contour & Alley Block 7

From Lot 28/11 to E Elliot & Alley Block 3 & 4

For Location Page 22

11-19-74
H.H.H.
C.S. Walker
R.A. Peterson
R.S. Johnson

BM	Contour	217	391.59	389.92
0+00	contour		7.36	384.23
+25			6.7	384.9
+50			6.1	385.5
+75			5.5	386.1
1+00			5.3	386.3
+3917	Alley Contour		4.97	386.62
+75			4.5	387.1
2+00			3.7	387.9
+25			4.0	387.6
+50			4.0	387.6
+75			4.1	387.5
3+00			3.9	387.7
+25			3.5	388.1
+50			3.7	387.9
+75			3.6	388.0
4+00			3.5	388.1
T.P.		3.74	391.82	388.08
+25			3.9	387.9
+50			4.3	387.5
+75			4.4	387.4
5+00			4.7	387.1
+25			5.6	386.8
+50			5.2	386.6
+75			5.1	386.7

PLOTTED

T.P.	Contour	458	391.45	391.82
6+00			5.5	386.3
+17	Alley		4.95	386.87 ✓
+25			4.7	386.8
+50			5.0	386.6
+75			5.0	386.6
7+00			5.6	386.2
+25			5.4	386.1
+50			5.6	385.8
+75			5.5	385.9
8+00			5.8	385.6
+25			5.8	385.6
+50			5.7	385.8
+75			5.9	385.6
9+00			6.2	385.2
+25			6.3	385.1
+485		6=14+0315 =5145 TRUNK	6.48	384.97

Transit Notes Page 5
 Center Alley Block 9

 11-20-71
 C.B. Walker
 A. Sisson

 7.0 NW 6.1
 BY Annotate
 Contour

487	394.29	389.42
0+00	3.5	390.8
+25	3.8	390.5
+50	3.9	390.4
+75	3.7	390.6
+85 ^{on Hub}	3.76	390.53
Stub		
0+00	4.0	390.3
+25	3.9	390.4
+40 ^{0 = 0.85}	3.76	390.53
	2	
1+00	3.5	390.8
+25	4.1	390.2
+50	4.0	390.3
+75	3.9	390.4
2+00	4.1	390.2
+25	3.9	390.4
+50	4.3	390.0
+75	4.6	389.7
3+00	4.6	389.7
+25	4.5	389.8
+50	3.9	390.4
+75	4.5	389.8
4+00	4.5	389.8
+25	4.9	389.4

V. Plotted

394.29		
4+56.92 0	5.01	389.28
0+00	5.6	388.7
+25	5.6	388.7
+50	5.7	388.6
+75	5.5	388.8
1+00	5.2	388.1
+25 ^{0 = 4+56.92} _{on Hub}	5.01	389.28
+50	4.6	389.7
+75	4.8	389.5
2+00	4.9	389.4
+25	4.8	390.1
+50	4.8	389.5
+75	5.3	389.0
3+00	6.6	387.7
+196 ^{0 = 4+70.9} _{on Hub}	6.88	387.41

Levels on Servers
From Lot 142 Blvd 10 To Existing Server
For Location See Page 8-12

	39429		
0+00	48	389.5	^{100'E} T.P. 386.1
+25	48	389.5	
+50	48	389.5	
+75	5.1	389.2	
1+00	5.2	389.1	^{100'E} P. 34 384.9
+25	5.3	389.0	
+50	5.3	389.0	
+75	5.4	388.9	
2+00	5.7	388.6	
+25	5.8	388.5	
+50	5.9	388.4	
+75	6.2	388.1	
3+00	6.2	388.1	^{100'E} P. 38 385.5
+25	6.3	388.0	
+50	6.4	387.9	
+75	6.3	388.0	
4+00	6.6	387.7	^{100'E} P. 30 387.3
+25	6.7	387.6	
+50	6.8	387.5	
+70.9	6.88	387.41	
5+00	7.2	387.0	
+25	7.1	387.2	
+50	7.2	387.1	
+75	7.3	387.0	

Plotted

Levels on Servers
Trunk Line Alhambra Park

	39429		
6+00	7.4	386.9	^{100'E} P. 30 384.3
+25	8.1	386.2	
+44.25	8.36	385.93	Contour P. Arnold
+75	9.0	385.2	
7+00	9.7	384.6	
+31.98	10.65	383.64	on Hub
+50	11.3	383.0	
+75	10.8	383.5	
8+00	10.2	384.1	^{100'E} P. 33 382.0
+25	9.7	384.6	
+50	9.0	385.3	
+75	8.4	385.9	
9+00	8.0	386.3	
T.P.	8.68	390.23	
+25	8.4	386.8	
+50	8.1	387.1	
+75	8.1	387.1	
10+00	8.0	387.2	
+25	8.1	387.1	
+50	8.3	386.9	
+75	8.3	386.9	
11+00	4.0	386.2	
+25	4.3	385.9	
+50	4.6	385.6	

40 Trunk Line Cont

Plotted

390.23

11475	4.8	385.4
12100	5.3	384.9
+25	5.2	384.9
+50	5.5	384.7
+75	5.3	384.9
13400	5.1	385.1
+25	5.0	385.2
+50	4.6	385.6
+75	4.8	385.4
14103.65 ^{0.2} _{0.1/0.5}	5.27	384.96
+25	5.5	384.7
+50	5.6	384.6
+75	5.7	384.5
15100	5.8	384.4
+25	5.8	384.4
+50	6.3	383.9
+75	6.0	384.2
16100	6.2	384.0
+25	6.2	384.0
+50	6.2	384.0
+75	6.4	383.8
17100	6.4	383.8
+32.65	6.6	383.57
+50	6.8	383.4

Trunk Line Cont

Plotted

390.23

17175	5.7	384.5
18100	5.5	384.7
+25	5.0	385.2
+50	4.6	385.6
+75	4.4	385.8
19100	4.0	386.2
+25	3.5	386.7
+50	3.4	386.8
+75	3.3	386.9
20100	2.9	387.3
+25	2.7	387.5
+50	2.5	387.7
+75	2.7	387.5
T.P. 5.33 393.03	2.53	387.70
21100	5.3	387.7
+25	5.1	387.9
+50	4.8	388.2
+75	4.7	388.3
22100	4.3	388.7
+25	4.1	388.9
+48.69 ^{0.2 Hub}	4.24	388.79
0100	4.5	388.5
+25	4.1	388.9

Alhambra Park

41

Stab South Alley Block 4

Slab South Alley Block 4
39303

0+50		4.1	388.9
+80	0 = 22+48.69 on Hub	4.4	388.79
Trunk Line Cont.			
22+75		4.6	388.4
23+00		4.8	388.2
+25		5.1	387.9
+50		5.3	387.7
+75		5.7	387.3
24+00		6.1	386.9
+13.69	0 on Hub	6.2	386.91
+25		5.9	387.1
+50		6.3	386.7
+75		6.3	386.7
25+00		6.2	386.8
+25		6.3	386.7
+50		6.1	386.9
+75		6.1	386.9
+90.5	0 on Hub	5.74	387.29
26+10.8	0 on Hub	5.37	387.66
+25		5.5	387.5
+50		5.7	387.3
+75		5.5	387.5
27+00		5.7	387.3
+25		6.3	386.7

39303

27+50		6.1	386.9
+78.19	0 on Hub Top of Retention	6.40	386.63
28+00	Cont. Highway	6.85	386.18
+115		7.2	385.8
+20		6.1	386.9
+50		6.2	386.8
+57.69		6.1	386.9
+75		6.1	386.9
29+00		6.1	386.9
+25		6.6	386.4
+50		7.0	386.0
+75		6.9	386.1
30+00		8.0	385.0
+25		7.7	385.3
+50		9.3	383.7
T.P.	1.21	385.84	8.40
+75		7.6	383.2
31+00		3.3	382.5
+25		3.6	387.2
+50		4.1	381.7
+75		4.5	381.3
32+00		4.4	381.4
+25		4.8	381.0
+50		4.9	380.9
+67			
+75		5.2	380.6

Alley Block 43

0 - 07.69
0 + 0
0 + 17.69

+42.69

+67.69

+92.69

1 + 17.69

+42.69

+67.69

+92.69

2 + 17.69

+42.69

+67.69

+92.69

3 + 17.69

+42.69

+67.69

+92.69

4 + 17.69

44 Tank Line Cont.

Plotted

38584

33100		5.6	380.2	4142.69
+25		6.1	379.7	+67.69
+50		6.8	379.0	+92.69
+75		7.9	377.9	5+17.69
34100		9.0	376.8	+42.69
+25		10.5	375.3	+67.69
+50		12.0	373.8	+92.69
T.P.	456	12.54	373.30	
+75		5.5	372.4	6+17.69
35100		7.0	370.8	+42.69
+25		7.87	369.99	6+66.81
T.P.	514	3.05	374.21	374.81
Hub	35100	6.89	373.99	6+66.81
+50		7.8	369.1	
+75		8.6	368.3	
36100		7.6	369.3	
+25		5.8	371.1	
+50		3.7	373.6	
+75		2.2	374.7	
37100		1.4	375.5	
+12.5	M.P.L.	1.1	375.8	
+50	Manzanito	1.3	375.6	
+75		1.7	375.2	
38100		2.2	374.7	

Trunk Line Cont.

Plotted

37688

38125		2.7	374.2	
+54.12	Pl. Alley on Hub Florence w. Manzanito	4.02	372.86	
+75		4.6	372.3	
39100		6.2	370.7	
+25		7.8	369.1	
+50		9.0	367.9	
+75		10.6	366.3	
40100		12.2	364.7	
+25		12.7	364.2	
T.P.	Carb. Air on Hub Yinono	0.18	365.36	11.70
+25		2.20	363.2	
+75		3.80	362.2	
41100		4.3	361.1	
+25		5.4	360.0	
+50		6.6	358.8	
+75		7.6	357.8	
+84.12	Pl. Alley on Hub Yinono	7.95	357.41	
42100		8.4	357.0	
+25		9.2	356.2	
+50		10.1	355.3	
+75		10.7	354.7	
43100		11.5	353.9	
+18.070	E.P.L. Corros	12.3	353.1	
+50		12.7	352.7	

45
11-21-84

Trunk Line Cont.

Plotted

		365.31		
S.M. Cor				
T.P. Carros + Florence 0.51	353.03	1284	352.52	
43+75		1.1	351.9	
44+00		1.8	351.7	
+25		2.4	350.6	
+50		3.1	349.9	
+75		3.5	349.5	
45+00		3.9	349.1	
+14.0	R.I. Alley on Hub	4.16	348.87	
+25		4.3	348.7	
+50		4.6	348.4	
+75		4.9	348.1	
46+00		5.3	347.7	
+25		5.5	347.5	
+49.0	E.P.L. Estrella	5.6	347.4	
+75		6.0	347.0	
47+00		6.3	346.7	
+25		6.7	346.3	
+50		7.1	345.9	
+75		7.5	345.5	
48+00		7.8	345.2	
+25		8.2	344.8	
+44.0	R.I. Alley W. Estrella on Hub	8.68	344.35	
+75		9.3	343.7	
49+00		9.6	343.4	

Plotted

		353.03		
49+25		10.4	342.6	
+50		10.6	342.4	
+75		10.5	342.5	
50+00		10.8	342.8	
+25		10.6	342.4	
+39	M.P.L. Alpine	10.8	342.2	
+50		11.0	342.0	
+75		11.0	342.0	
51+00		11.1	341.9	
+25		11.3	341.7	
+50		11.2	341.7	
+74.0	R.I. Alley W. Alpine Ground @ M.H.	11.1	341.9	
			337.8 ← 10" Main	
	Flox Line R.I. Alley H.E. Curkale + Florence T.P. bed Euclid + Alpine + Florence	10.65	342.38	

48

49

Levels on Seiners
Center Alley Block 5
From Arnold to Elliot

I.P. N.M. Cor	BM	Contour	0.36	389.78	For Location	Page 16
						389.42
		0+00		2.5		387.3
		+25		3.4		386.4
		+50		3.6		386.2
		+75		3.7		386.1
		1+00		4.0		385.8
		+25		4.3		385.5
		+50		4.3		385.5
		+75		4.6		385.2
		2+00		4.6		385.2
		+25		4.9		384.9
		+50		4.9		384.9
		+75		5.3		384.5
		3+00		5.4		384.4
		+25		5.5		384.3
		+50		5.8		383.9
		+75		6.2		383.6
		4+00		6.1		383.7
		+25		5.8		384.0
		+50		6.1		383.7
		+75		6.0		383.8
		5+00		5.9		383.9
		+25		6.0		383.8
		+50		6.1		383.7
		+75		6.0		383.8

PLOTTED

			389.78	
6+00		6.2	383.5	
+25		6.6	383.2	
+50		6.80	383.6	
+55.45	= 17+33.69			Page 40 Trunk

Levels on Servers

Alley E.W. and N.E. Block 1 Center Contour
From Lot 13 & 14 B11 to Contour Blv. + Alley Block 7
For Location Page 20

T.P. on Hub
6412
Block 7

226

396.13

386.27

Stub 1 in Block 1 East From Lot 15

0+00	2.5	392.6
+25	3.0	393.1
+50	3.3	392.8
+75	3.6	392.5
1+00	3.8	392.3
+25	3.9	392.2
+50	3.9	392.2
+75	4.0	392.1
2+00	4.3	391.8
+25	4.6	391.5
+50	4.68	391.45
0+00	5.6	390.5
+25	5.1	391.0
+50	4.9	391.2
+81	4.68	391.45
1+00	5.2	390.9
+25	5.7	390.4
+50	5.9	390.2
+75	6.1	390.0
2+00	6.1	390.0
+25	6.0	390.1
+50	6.2	389.9

0+81
on Hub

on Hub

PLOTTED

396.13

2+75	5.6	390.5
3+00	5.5	390.6
+25	5.2	390.9
+50	4.8	391.3
+75	4.9	391.2
4+00	4.6	391.5
+25	4.1	392.0
+50	4.1	392.0
T.P.	4.1	392.0
+61.8	3.81	392.32
0 1+15 on Hub	3.81	392.32
+75	1.3	392.5
5+00	1.2	392.3
+25	1.3	392.2
+50	1.6	391.9
+75	2.1	391.4
6+00	2.5	391.0
+25	2.8	390.7
+50	2.2	390.3
+75	3.8	389.7
7+00	4.1	389.4
+25	4.5	389.0
+50	5.0	388.5
+75	5.5	388.0
8+00	5.7	387.8
+25	5.8	387.7

393.47

100'E
6.3100'E
5.1100'E
8.27

PLOTTED

Alley Block 1 + Contour 3/4 Cont

	393.47		
8+50		6.0	387.5
+75		6.5	387.0
9+00		6.5	387.0
+75		6.8	386.7
+50		6.7	386.8
+75		6.6	386.9
+99.77	1+39.17 on Hub see Page 3A	6.85	386.62

 Levels on Setters
 Center Alley Block 2
 200' So. of Elliot St

PLOTTED

For Location Page 24

T.P.	on Hub 6.12 Rt. Alley + Hub	4.58	391.45	386.87
	0+00			10.1 381.4
	+25			9.5 382.0
	+50			9.3 382.2
	+75			8.7 382.8
	1+00			8.3 383.2
	+75			7.6 383.9
	+50			7.2 384.3
	+75			4.9 386.6
	2+00	0=6+12		4.58 386.67

 ↓
 N.

56

Levels on SPINORS
Center Alley Block 3
From Lat 18+19B/3 to Center Elliot

Stub East 2/14 S Alley 18

For Location Page

T.P. Hobbs

4.07 390.94

386.87

75.50
97

390.94

0+00 Opplot 2/14 22

8.1

387.8

75.50
97

+25

1.8

389.1

+25

6.5

384.4

+50

1.7

389.2

+50

5.5

385.4

+75

1.6

389.3

+81

on Hub

4.91

386.03

5+00

1.8

389.1

+10

2.0

388.9

+25

4.8

386.7

0+00 Opp 18+19

3.3

387.6

387.6

+46.74 @ = 14+03.65
on Hub

5.98

384.96

+25

4.2

386.7

+50

4.7

386.2

+81

on Hub

4.91

386.03

386.0

1+00

4.6

386.3

+25

4.0

386.9

75.50
97

+50

3.5

387.4

+75

3.4

387.5

2+00

3.5

387.4

+25

3.2

387.7

+50

3.5

387.4

+75

3.3

387.6

3+00

3.3

387.6

+25

2.9

388.0

+50

2.9

388.0

+75

2.6

388.3

4+00

2.2

388.7

Plotted

Alhambra Park

57

58

Levels
Center Alley West Manzanita Block 44
North Florence

T.P

38754.12 on 9/10/05

376.86

59

60

1/29/31

Gregory

Sewer Levels & Elliot from
 6th Alley E. of Winn to 6th
 Alley west of Winn thence S. on
 6th Alley Blk L Montecello to 6th El Cajon

Sta.	5.36	388.93	383.57	Hub
Sta. 17+33.69 on page 40				Hub Sta 17+33.69
+50	5.36		383.57	
1	5.2		383.7	
+50	5.4		383.5	
2	5.3		383.6	
+50	5.2		383.7	
3	5.3		383.6	
+30 Δ 90° 00' L 6 Alley	5.7		383.7	
+50	5.5		383.4	
4	5.6		383.3	
+50	5.5		383.4	
5	5.7		383.2	
+50	5.2		383.7	
6	5.2		383.7	
+50	4.8		384.1	
7	4.6		384.3	
+50	4.2		384.7	
8	4.0		384.9	
+50	3.9		385.0	
9	3.6		385.3	
+50	3.2		385.7	
10	2.8		386.1	
+50	2.3		386.6	
+90.69 Δ 10' N. of 6 th El Cajon	2.4		386.5	
	3.0		385.9	

Alley in Block L

55°

Sewer Levels & Elliot from
 6th Alley Blk L Montecello to 6th Blk K
 thence S. on 6th Alley Blk K to El Cajon

61

388.43

Sta.	5.5	383.4
3+30 on opposite page		
+50	5.7	383.2
4	6.3	382.6
+50	7.3	381.6
5	7.6	381.3
+50	7.7	381.2
6	8.1	380.8
+60 Δ 90° L = 6 Alley	8.5	380.4
7	9.1	379.6
+50	8.7	380.2
8	8.6	380.3
+50	8.4	380.5
9	7.5	381.4
+50	6.9	382.1
+85	5.7	383.2
10	6.5	382.5
+50	6.2	382.7
11	6.2	382.7
+50	6.3	382.6
12	6.4	382.5
+50	5.9	383.0
13	6.3	382.6
+50	6.5	382.5
14	6.4	382.5
+50	7.4	381.5
TP	5.90	383.03

v. 96

385.99

Plotted

38599

+72	5.7	380.3
+74	7.2	378.8
+88.24 = Δ El Cajon	6.70	379.3
15	6.7	379.3
+05.0	5.7	380.3
+25	6.5	379.5
+50	5.5	380.5
16	6.4	379.2
+50	8.0	378.0
17	9.5	376.5
+50	10.8	375.2
18	12.4	373.6
T.P. nail in pole ^{0.08} 375.24 W Side Alley	10.83	375.16
+40	2.7	372.5
+65	4.9	370.3
+90.0 Δ 90° R.	6.3	368.9
19	6.8	368.5
+42	8.9	366.3
+60	10.2	365.0
+75	10.2	365.0
20	11.4	363.8
+21	12.1	363.1
+23	12.7	362.5
+36.0 = Δ Line Winona	13.10	362.1
T.P. v. 33 36462	12.95	362.29
+36.0 gutter	3.6	361.0

3662

+54	364.62	2.9	361.7
+71.0 = gutter		4.0	360.6
+71.0 = cement curb		3.34	361.28
21		3.7	360.9
+50		5.1	359.5
22		5.8	358.8
+20.0 Δ 90° L = Δ Alley.		6.0	358.6
23		7.4	357.2
+50		7.5	357.1
24		7.9	356.7
+50		7.3	357.3
+60		8.0	356.6
+77 = Δ Florence.		7.2	357.4

75° W
7' lower.This angle pt.
is 227' N of
N.E. of Florence
Trojan

329.00

155. Con

t10	12.6	316.4
cb	12.4	316.6
t4	14.0	315.0
E	8.6	320.4

20'S = S End present Culvert

E	9.7	319.3
t3	11.5	317.5
t6	18.5	310.5
cb	18.8	310.2
1/4	12.0	317.0
t9	6.6	322.4
E	6.3	322.7
1/4	6.7	322.3
cb	6.7	322.3
t10	5.9	323.1
W	5.1	323.9

24'S

W	5.1	323.9
t4	6.3	322.7
cb	6.8	322.2
1/4	6.9	322.1
E	6.3	322.7
t3	6.5	322.5
1/4	12.6	316.4
cb	18.9	310.1
t9	19.0	310.0

329.00

	24'S (con)	
E	16.0	313.0
+3	15.0	314.0
+8	7.4	321.6
	35'S	
-10	7.8	321.2
-7	15.0	314.0
E	19.0	310.0
cb	19.3	309.7
+5	18.4	310.6
1/4	13.5	315.5
+11	5.9	323.1
C	5.7	323.3
1/4	6.4	322.6
cb	6.5	322.5
+10	5.6	323.4
W	4.3	324.7
	65'S	
W	2.4	326.6
+4	4.0	325.0
cb	5.3	323.7
1/4	5.8	323.2
C	4.9	324.1
+5	5.9	323.1
1/4	11.0	318.0
cb	19.8	309.2
E	20.6	308.4

329.00

MISSION

+8	19.3	309.7
+15	15.1	313.9
	75'S	
-20	18.6	310.4
E	21.3	307.7
+6	20.7	308.3
cb	16.2	312.8
1/4	10.2	318.8
+8	4.9	324.1
C	5.4	323.6
1/4	5.7	323.3
cb	5.1	323.9
+4	4.5	324.5
W	1.5	327.5
	85'S	
W	1.2	327.8
cb	4.9	324.1
1/4	5.7	323.3
C	6.0	323.0
1/4	6.3	322.7
+3	6.6	322.4
cb	12.9	316.1
+6	20.6	308.4
E	21.1	307.9
+23	21.0	308.0

	329.00		
	94'.5		
-25	21.5	307.5	
E	21.5	307.5	
+3	16.5	312.5	
cb	8.1	320.9	
1/4	6.3	322.7	
C	6.0	323.0	
1/4	5.6	323.4	
cb	4.3	324.7	
+12	1.3	327.7	
W	0.9	328.1	
	102'.5		
W	1.0	328.0	
cb	3.8	325.2	
1/4	5.1	323.9	
C	6.0	323.0	
1/4	6.5	322.5	
cb	8.2	320.8	
+4	8.5	320.5	
E	12.8	316.2	
+10	21.0	308.0	
+25	22.0	307.0	
	120'.5		
-15	14.4	314.6	
E	11.6	317.4	
cb	9.4	319.6	
1/4	6.9	322.1	

		5.5	323.5
+5		5.0	324.0
1/4		4.4	324.6
+10		3.7	325.3
cb		2.4	326.2
W		0.5	328.5
	140'.5		
W		0.0	329.0
cb		2.5	326.5
1/4		3.8	325.2
C		5.2	323.8
1/4		7.0	322.0
cb		9.3	319.7
E		11.3	317.7
+15		12.9	316.1
	160'.5		
-8		16.7	318.3
E		9.6	319.4
cb		8.9	320.1
1/4		7.8	321.2
C		5.3	323.7
1/4		3.2	325.8
cb		2.1	326.9
W		0.0	329.0
	185'.5		

wood porch

329.00

185'S

w	+0.30	329.3
cb	2.0	327.0
1/4	2.5	326.5
c	4.0	325.0
+9	4.8	324.2
1/4	4.0	323.0
cb	7.8	321.2
E	9.6	319.4
+10	11.7	317.3

200'S

-8	10.1	318.9
E	9.3	319.7
+7	7.3	321.7
cb	6.6	322.4
1/4	4.6	324.4
c	3.1	325.9
1/4	2.4	326.6
cb	2.1	326.9
w	0.0	329.0

248'S

w	0.9	328.1
cb	1.7	327.3
1/4	2.2	326.8
c	2.6	326.4
+9	2.7	326.3
1/4	3.5	325.5

omit walk
w. edge of house.

329.00

MISSION

cb	4.0	325.0
+9	5.6	323.4
+10	9.0	320.0
E	9.6	319.4
+6	9.6	319.4

250'S

-6	9.6	319.4
E	8.2	320.8
+8	4.6	324.4
cb	4.0	325.0
1/4	3.5	325.5
+4	2.7	326.3
c	2.6	326.4
1/4	2.3	326.7
cb	1.6	327.4
w	1.1	327.9

265'S

w	1.3	327.7
cb	2.1	326.9
1/4	2.4	326.6
c	2.7	326.3
1/4	3.0	326.0
cb	3.8	325.2
+7	4.7	324.3
E	8.8	320.2
T.P.	8.81	330.07
	7.74	321.26

	265'S (CON)		
+32	31.3	298.8	Wedge creek
+50	30.8	299.3	E " "
+57	28.7	301.4	Top E. Bank.
	280'S		
-45	31.5	298.6	" " "
-43	32.8	297.3	Edge creek
-30	32.0	298.1	W " "
E	11.0	319.1	
+9	6.1	324.0	
cb	4.9	325.2	
1/4	4.2	325.9	
E	4.0	326.1	
1/4	3.6	326.5	
cb	3.4	326.7	
W	2.6	327.5	
	300'S		
W	2.9	327.2	
cb	3.2	326.2	
1/4	3.8	326.3	
E	4.2	325.9	
1/4	4.3	325.8	
cb	4.9	325.2	
+7	6.5	323.6	
E	10.3	319.8	
+28	32.6	297.5	W. side creek
+40	34.0	296.1	E "
+50	32.0	298.1	

	320'S		
-50	32.7	297.4	E. side creek
-28	33.0	297.1	W " "
E	10.2	319.9	
+5	6.5	323.6	
cb	4.7	325.4	
1/4	4.5	325.6	
E	4.1	326.0	
1/4	4.0	326.1	
cb	4.2	325.9	
W	3.5	326.6	
	335'S		
W	3.8	326.3	
cb	4.0	326.1	
1/4	4.1	326.0	
E	4.6	325.5	
1/4	4.7	325.4	
cb	4.7	325.4	
+9	5.2	324.9	
E	15.4	314.7	
+3	18.6	311.5	
+28	31.5	298.6	W BANK creek
+30	34.0	296.1	W side "
+50	33.2	296.9	E " "

	350.5	
-50	33.8	296.3
-38	33.9	296.2
-32	30.1	300.0
-22	29.4	300.7
E	20.3	309.8
+2	19.0	311.1
+5	5.1	325.0
cb	4.8	325.3
1/4	4.5	325.6
C	4.4	325.7
1/4	4.3	325.8
cb	4.3	325.8
W	4.2	325.9
	359.5	
W	4.3	325.8
cb	4.3	325.8
1/4	4.5	325.6
C	4.5	325.6
1/4	4.7	325.9
cb	5.0	325.1
+7	5.1	325.0
E	21.3	308.8
+3	23.8	306.3
+18	29.2	300.9
+40	29.5	300.6

	368.5	
-40	28.8	301.3
-12	28.7	301.4
E	23.7	306.4
+6	17.0	313.1
+10	5.2	324.9
cb	5.0	325.1
1/4	4.8	325.3
C	4.8	325.3
1/4	4.7	325.4
cb	4.6	325.5
W	4.5	325.6
	400.5	
W	5.5	324.6
cb	5.5	324.6
1/4	5.5	324.6
C	5.5	324.6
1/4	5.6	324.5
cb	5.7	324.4
+2	5.7	324.9
+5	14.8	315.3
E	23.0	307.1
+6	26.6	303.5
+35	27.7	302.9
	415.5	
-35	27.8	302.3
-6	27.7	302.4
E	23.6	306.5

330.07

415'S (E-H)

+11	18.0	312.1
+13	6.2	323.9
cb	6.2	323.9
1/4	6.0	324.1
C	6.1	324.0
1/4	6.0	324.1
cb	6.0	324.1
W	6.1	324.0

425'S

W	7.4	322.7
+2	6.5	323.6
cb	6.4	323.7
1/4	6.5	323.6
C	6.4	323.7
1/4	6.5	323.6
cb	6.5	323.6
+6	6.6	323.5
+8	23.0	307.1
E	24.6	305.5
+10	28.0	302.1
+35	27.9	302.2

4.32'S

-35	27.3	302.8
-12	27.5	302.6
E	24.8	305.3
+8	6.8	323.3

330.07

cb	6.7	323.4
1/4	6.7	323.4
C	6.7	323.4
1/4	6.8	323.3
cb	6.8	323.3
+12	6.8	323.3
W	7.8	322.3

4.40'S

W	8.4	321.7
+2	7.4	322.7
cb	7.3	322.8
1/4	7.3	322.8
C	7.3	322.8
1/4	7.2	322.9
cb	7.2	322.9
E	7.2	322.9
+35	7.6	322.5

4.60'S

E	8.6	321.5
cb	8.6	321.5
1/4	8.7	321.4
C	8.7	321.4
1/4	8.9	321.2
cb	8.7	321.4
+13	8.9	321.2
W	9.6	320.5

330.07

4 81' S = N. Line, Klauber 80' wide

W			11.4	318.7	
cb			11.2	318.9	
1/4			11.0	319.1	
C			11.2	318.9	
1/4			11.1	319.0	
cb			10.6	319.5	
T.P. E	282	322.37	10.52	319.55	on BK cut hub
		10'S			
E			4.7	317.7	
cb			4.9	317.5	
1/4			5.2	317.2	
C			5.0	317.4	
1/4			5.4	317.0	
cb			5.4	317.0	
W			5.0	317.4	
		N. cb. Line			
W			7.4	315.0	
+5			7.2	315.2	
+10			9.1	313.3	
cb			7.1	315.3	
1/4			6.9	315.5	
C			6.5	315.9	
1/4			6.4	316.0	
cb			6.2	316.2	
E			5.4	316.8	

322.57

MISSION

8' S. of cb

E			8.3	319.1	
cb			10.0	312.4	
1/4			9.6	312.8	
+6			8.4	314.0	
C			9.0	313.4	
1/4			10.5	311.9	
cb			11.5	310.9	
+2			12.6	309.8	
W			12.0	310.4	
		N 1/4			
W			15.3	307.1	
cb			15.0	307.4	
1/4			14.9	307.5	
C			13.2	309.2	
1/4			11.3	311.1	
cb			11.7	310.7	
E			10.7	311.7	
T.P.	007	309.48	12.94	309.41	
E			6.0	303.5	
cb			6.0	303.5	
1/4			7.0	302.5	
+8			6.8	302.7	
C			9.0	300.5	
1/4			9.7	299.8	
cb			9.6	299.9	

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44-05-46

	S. CP	
-15	14.2	295.3
W	14.3	295.2
+12	14.5	295.0
CP	13.4	296.1
1/4	14.0	295.5
C	15.1	294.4
1/4	15.8	293.7
cb	16.6	292.9
E	17.3	292.2
+15	18.0	291.5

S. Line Klauber Ave

-15	18.0	291.5
E	17.3	292.2
cb	17.1	292.4
1/4	16.1	293.4
C	15.4	294.1
1/4	14.6	294.9
+3	15.6	293.9
cb	15.2	294.3
W	15.3	294.2
+15	14.6	294.9

20'S

-15	12.7	296.8
W	13.0	296.5
+7	14.3	295.2
cb	16.0	293.5

20'S (CON)

1/4	15.6	293.9
C	15.9	293.6
1/4	16.5	293.0
cb	16.6	292.9
E	17.0	292.5
+20	17.1	292.4

28'S

-20	17.3	292.2
E	17.0	292.5
cb	16.9	292.6
1/4	16.6	292.9
C	15.3	294.2
1/4	14.4	295.1
cb	11.8	297.7
+6	11.8	297.7
+8	12.1	297.4
W	11.8	297.7
+10	11.4	298.1

36'S

-10	10.6	298.9
W	10.8	298.7
+7	11.2	298.3
+8	10.5	299.0
cb	10.4	299.1
1/4	11.0	298.5
C	12.0	297.5

309.48

	36.5 (COH)	
1/4	12.9	296.6
+8	13.2	296.3
cb	13.8	295.7
E	16.6	292.9
+15	15.7	293.8
	39.5	
-15	15.2	299.3
E	13.8	293.7
cb	12.5	297.0
1/4	12.1	297.4
C	11.5	298.0
1/4	10.6	298.9
cb	10.3	299.2
+6	10.0	299.5
+7	10.7	298.8
W	10.4	299.1
+10	10.2	299.3
	49.5	
-15	7.3	302.2
W	7.2	302.3
cb	7.5	302.0
1/4	7.6	301.9
E	6.8	302.7
1/4	7.3	302.2
cb	8.1	301.9
E	11.1	298.9
+15	13.4	296.1

309.48

54.5

-10	10.2	299.3
E	8.8	300.7
cb	8.0	301.5
1/4	7.1	302.4
C	6.5	303.0
1/4	6.0	303.5
cb	5.7	303.8
W	5.0	304.5
+15	4.2	305.3
	59.5	
-15	3.8	305.7
W	4.8	304.7
cb	5.5	304.0
1/4	5.9	303.6
E	6.2	303.3
1/4	6.8	302.7
cb	7.4	301.7
E	9.1	300.4
+15	10.6	298.9
	65.5	
-15	10.6	298.9
E	7.4	301.7
T.P.	12.79	322.00
+6	15.8	306.2
cb	14.2	307.8
1/4	12.4	309.6

322.00

65'S (Con)

c	12.8	309.2
1/4	16.8	305.2
cb	17.2	304.8
w	16.3	305.7
+15	15.2	306.8

69'S

-7	12.2	309.8
w	14.2	307.8
+10	15.5	306.5
cb	14.7	307.3
1/4	12.4	309.6
c	10.8	311.2
1/4	10.0	312.0
cb	12.3	309.7
E	15.2	306.8
+5	16.6	305.9

73'S

-5	15.0	307.0
E	14.5	307.5
cb	9.6	312.4
1/4	7.9	314.1
c	8.5	313.5
1/4	10.2	311.8
+5	11.1	310.9
cb	10.6	311.9
+9	13.4	308.6

327.00

MISSION

77'S

w	9.1	312.9
w	8.9	313.1
+7	9.8	312.2
cb	9.1	312.9

1/4	8.6	313.4
c	7.0	315.0
1/4	6.3	315.7
cb	7.7	314.3
E	12.4	309.6
+5	13.0	309.0

86'S

E	8.2	313.8
+8	6.2	315.8
cb	5.0	317.00
1/4	3.3	318.7
c	3.4	318.2
1/4	4.9	317.1
cb	5.8	316.2
w	5.7	316.3

91'S

w	2.8	319.2
cb	3.5	318.5
1/4	3.5	318.5
c	2.2	319.6
1/4	2.0	320.0

		322.00		
		91.5 (con)		
cb		3.3	318.7	
H.O		5.1	316.9	
E		6.4	315.6	
T.P.	10.19	328.17	402	317.98
		100'S		
E		10.3	317.9	
cb		8.2	320.0	
1/4		7.2	321.0	
C		7.0	321.2	
1/4		7.5	320.7	
cb		8.1	320.1	
W		8.4	319.8	
		110'S		
W		6.8	321.4	
cb		6.8	321.4	
1/4		6.4	321.8	
C		6.7	321.5	
1/4		6.7	321.5	
cb		6.6	321.4	
E		8.4	319.8	
		130'S		
E		4.4	321.8	
cb		6.0	322.2	
1/4		5.8	322.4	
C		5.6	322.6	
1/4		5.4	322.8	

cb		5.8	322.4
W		5.7	322.5
		160'S	
W		5.1	323.1
cb		4.8	323.4
1/4		5.2	323.0
C		5.1	323.1
1/4		5.2	323.0
cb		5.4	322.8
E		5.5	322.7
		200'S	
E		5.2	323.0
cb		4.8	323.4
1/4		4.8	323.4
C		4.7	323.5
1/4		4.5	323.7
cb		4.7	323.5
W		4.8	323.4
		250'S	
W		5.7	322.5
cb		5.2	323.0
1/4		4.8	323.4
C		4.8	323.4
1/4		5.0	323.2
cb		5.0	323.2
E		5.3	322.9

300's		
E	5.7	322.5
cb	5.2	323.0
1/4	4.9	323.3
E	5.1	323.1
1/4	5.4	322.8
cb	6.1	322.1
W	4.7	321.5

350's		
W	6.7	321.5
cb	6.4	321.8
1/4	6.0	322.2
E	5.4	322.8
1/4	5.1	323.1
cb	5.1	323.1
E	5.0	323.2

400's		
E	5.4	322.8
cb	5.1	323.1
1/4	4.8	323.4
E	4.7	323.5
1/4	4.8	323.4
cb	5.1	323.1
W	5.2	323.0

450's		
W	3.4	324.8
cb	3.9	324.3

1/4	4.2	324.0
E	4.5	323.7
1/4	4.8	323.4
cb	5.2	323.0
E	5.4	322.8

500's		
E	5.5	322.7
cb	5.3	322.9
1/4	4.9	323.3
E	4.5	323.7
1/4	4.0	324.12
cb	3.5	324.7
W	3.2	325.0

550's		
W	3.2	325.0
cb	3.6	324.6
1/4	4.0	324.2
E	4.5	323.7
1/4	4.9	323.3
cb	5.2	323.0
E	5.9	322.3

600's = N. line East 1c

E	5.7	322.5
cb	5.3	322.9
1/4	5.0	323.12
E	4.6	323.16

50's

w	3.1	324.19
eb	3.9	324.1
1/4	4.4	323.6
c	4.9	323.1
1/4	5.5	322.5
eb	6.3	321.7
e	6.8	321.2

100's

e	6.5	321.5
eb	5.9	322.1
1/4	5.4	322.6
e	4.9	323.1
1/4	4.2	323.8
eb	4.0	324.0
w	3.4	324.6

150's

w	3.3	324.7
eb	3.8	324.2
1/4	4.1	323.9
e	4.6	323.4
1/4	5.2	322.8
eb	5.7	322.3
e	6.1	321.9

200's

e	5.9	322.1
eb	5.6	322.4

1/4	5.3	322.7
e	4.8	323.2
1/4	4.4	323.6
eb	3.9	324.1
w	3.2	324.8

250's

w	3.7	324.3
eb	3.8	324.2
1/4	4.3	323.7
e	4.8	323.2
1/4	5.4	322.6
eb	5.7	322.3
e	6.0	322.0

300's

e	5.9	322.1
eb	5.5	322.5
1/4	5.0	323.0
e	4.7	323.3
1/4	4.5	323.5
eb	4.5	323.5
w	4.2	323.8

350's

w	5.0	323.0
eb	5.1	322.9
1/4	5.0	323.0
e	5.2	322.8

1/4	5.2	322.8
cb	5.3	322.7
E	5.6	322.4
400'S		
e	5.9	322.1
cb	6.0	322.0
1/4	5.8	322.2
c	5.6	322.4
1/4	5.7	322.3
cb	5.4	322.6
w	5.7	322.3
420'S		
w	6.2	321.4
cb	6.0	322.0
1/4	5.9	322.1
e	5.9	322.1
1/4	5.9	322.1
cb	5.9	322.1
E	6.2	321.8
450'S		
E	6.4	321.6
cb	6.5	321.5
1/4	6.9	321.1
c	6.9	321.1
1/4	7.0	321.0
cb	7.3	320.7
w	7.2	320.8

500'S		
w	9.8	318.2
cb	9.1	318.9
1/4	8.4	319.6
c	8.1	319.9
1/4	7.7	320.3
cb	7.5	320.5
E	7.4	320.6
550'S		
E	8.2	319.8
cb	8.8	319.2
1/4	9.2	318.8
c	10.0	318.0
1/4	10.5	317.5
cb	11.3	316.7
w	12.4	315.6
T.P.	2.73 6005 =	318.34 N. Line Bowery
-5	12.36	315.61
w	6.6	311.7
w	6.3	312.0
1/7	6.2	312.1
cb	5.0	313.3
1/8	3.6	314.7
1/4	3.1	315.2
c	2.4	315.9
1/4	1.7	314.6
cb	1.1	317.2
E	0.5	317.8

318.34

N. 20

E	1.0	317.3
cb	1.6	316.7
1/4	2.3	316.0
1/2	3.0	315.3
3/4	4.2	314.1
cb	5.8	312.5
W	7.7	310.6
+5	7.5	310.8

N 1/4

-5	8.0	310.3
W	9.0	309.3
+4	7.5	310.8
cb	6.1	312.2
1/4	4.6	315.7
C	3.5	314.8
1/4	2.6	315.7
cb	2.0	316.3
E	1.4	316.9

E Bowery

-100	0.2	318.1
-42	0.6	317.7
E	1.7	316.6
cb	2.4	315.9
1/4	3.0	315.3
C	4.0	314.3
1/4	5.4	312.9

MISSION

318.34

cb	6.5	311.8
+5	7.4	310.9
W	9.9	308.4
+5	9.6	306.7
+10	8.3	310.0
+20	7.3	311.0
138	5.2	313.1
154	1.9	316.4
+78	0.5	317.8

S 1/4

-15	9.1	309.2
W	12.6	305.7
+8	8.4	309.9
cb	7.7	310.6
1/4	5.8	312.5
C	4.3	314.6
1/4	3.4	314.9
cb	2.7	315.6
E	2.0	316.3

S, cb.

E	2.2	316.1
cb	2.9	315.4
1/4	3.8	314.5
C	4.8	313.5
1/4	4.7	311.6
cb	10.0	308.3

		318.34		
		25'S		
-5			9.2	309.1
W			11.1	307.2
cb			18.4	299.9
1/4			11.0	307.3
C			6.9	311.4
1/4			5.1	313.2
cb			4.1	314.2
E			3.4	314.9
		50'S		
E			4.4	313.9
cb			5.4	312.9
1/4			6.7	311.6
C			11.7	306.6
T.P.	6.46	313.03	11.77	306.57
1/4			11.6	301.4
+7			14.2	298.8
+10			13.7	299.3
cb			11.0	301.4
+3			9.9	303.1
W			4.4	308.6
		75'S		
W			3.0	310.0
cb			7.5	305.5
1/4			12.7	301.3
+7			16.1	296.9
C			13.6	299.4

		MISSION		
		105		
		313.13		
		90'S		
1/4			5.9	307.1
cb			1.9	311.1
E			0.4	312.6
		90'S		
E			1.9	311.1
cb			6.0	307.0
1/4			9.8	303.2
+5			12.7	300.3
C			17.2	295.8
+5			17.7	295.3
1/4			12.8	300.2
cb			7.5	305.5
W			2.6	310.4
		115'S		
W			2.6	310.4
cb			6.0	307.0
1/4			10.6	302.4
+7			13.5	299.5
C			20.1	292.9
+7			20.0	293.0
1/4			17.5	295.5
cb			12.3	300.7
E			9.5	303.5
		120'S		
-10			14.6	298.4
E			14.9	298.1

313.03

cb	16.8	296.2
+11	21.8	291.2
1/4	21.1	291.9
e	15.6	297.4
1/4	10.3	302.7
cb	5.8	307.2
w	2.2	310.8

140's

w	1.3	311.7
cb	5.1	307.9
1/4	8.8	304.2
c	14.4	298.6
+10	18.6	294.4
1/4	21.3	291.7
+10	22.9	291.1
cb	21.5	291.5
e	21.0	292.0
+15	20.0	293.0

150's

-25	28.3	284.7
e	24.9	288.1
+12	24.6	288.4
cb	22.5	290.5
1/4	17.4	295.6
c	12.1	300.9
1/4	9.0	305.0

Mission

313.03

cb	4.1	308.9
w	0.3	312.7
157.5		
w	10.4	313.4 315.3
cb	3.0	310.0
1/4	6.6	306.4
c	10.8	302.2
1/4	14.7	298.3
cb	19.2	293.8
e	23.7	289.3
+30	28.2	284.8

166's

-30	26.3	286.7
e	21.7	291.3
cb	16.5	296.5
1/4	11.3	301.7
c	8.0	305.0
1/4	5.4	307.6
cb	2.1	310.9
T.P.	10.57	321.02
w	2.58	310.45
	6.8	314.2

180's

w	5.4	315.6
cb	9.0	312.0
1/4	11.3	309.7
e	13.4	307.4

321.02

1/4	15.9	305.1
cb	20.1	300.9
E	23.4	297.6
+20	24.5	296.5

195.5

-5	16.6	304.4
E	16.2	304.8
cb	15.1	305.9
1/4	11.6	309.4
E	10.0	311.0
1/4	8.2	312.8
cb	6.9	314.1
W	4.5	316.5

215.5

W	4.0	317.0
cb	5.3	315.7
1/4	6.4	314.6
E	7.7	313.3
1/4	8.5	312.5
cb	9.2	311.8
E	9.3	311.7

245.5

E	6.5	314.5
cb	6.5	314.5
1/4	6.0	315.0
E	5.1	315.9

321.02

Mission 109

1/4	4.6	316.4
cb	4.0	317.0
W	3.2	317.8

275.5

W	2.8	318.2
cb	3.4	317.6
1/4	4.2	316.8
E	4.5	316.5
1/4	5.0	316.0
cb	5.6	315.4
E	5.7	315.3

300.5

E	4.8	316.2
cb	4.8	316.2
1/4	4.5	316.5
E	4.0	317.0
1/4	3.7	317.3
cb	3.2	317.8
W	2.4	318.2

350.5

W	2.5	318.5
cb	2.9	318.1
1/4	3.1	317.9
E	3.8	317.2
1/4	3.8	317.2
cb	4.4	316.6
E	4.6	316.4

321.07

400'S		
E	4.1	316.9
cb	3.8	317.2
1/4	3.5	317.5
C	3.2	317.8
1/4	2.8	318.2
cb	2.5	318.5
W	2.4	318.6

450'S		
W	2.3	318.7
cb	2.2	318.8
1/4	2.3	318.7
C	3.1	317.9
1/4	3.2	317.8
cb	3.3	317.7
E	4.0	317.0

500'S		
E	4.1	316.9
cb	3.6	317.4
1/4	3.3	317.7
C	2.7	318.3
1/4	2.7	318.3
cb	2.3	318.7
W	2.3	318.7

550'S		
W	2.3	318.7
cb	2.8	318.2

321.07

1/4	3.0	318.0
C	3.3	317.7
1/4	3.7	317.3
cb	3.9	317.1
E	4.2	316.8

598.4 S. = N Line Fulton

E	4.5	316.5
cb	4.2	316.8
1/4	3.9	317.1
C	3.5	317.5
1/4	3.0	318.0
cb	2.7	318.3
W	2.3	318.7

TP 0.82 319.51 2.33 318.69

N. cb.

W	0.8	318.7
cb	1.0	318.5
1/4	1.6	317.9
C	2.1	317.4
1/4	2.4	317.1
cb	2.9	316.6
E	3.3	316.2

N 1/4

E	3.3	316.2
cb	3.0	316.5
1/4	2.6	316.9

N.W. Cor Hub
Mission & Fulton

319.51

c	2.2	317.3
1/4	1.6	317.9
cb	1.2	318.3
w	1.0	318.5
	♀	
w	1.1	318.4
cb	1.3	318.2
1/4	1.7	317.8
c	2.1	317.4
1/4	2.5	317.0
cb	3.0	316.5
c	3.5	316.0
	S. 1/4	
E	3.5	316.0
cb	3.1	316.4
1/4	2.7	316.8
c	2.1	317.4
1/4	1.7	317.8
cb	1.5	318.0
w	1.0	318.5
	S. cb	
w	1.3	318.2
cb	1.5	318.0
1/4	1.7	317.8
c	2.2	317.3
1/4	2.8	316.7

319.51

cb	3.2	316.3
E	3.5	316.0
	oo = S. Line Fulton	
E	3.6	315.9
cb	3.1	316.4
1/4	2.8	316.7
c	2.1	317.4
1/4	1.8	317.7
cb	1.5	318.0
w	1.5	318.0
	40' S	
w	2.0	317.5
cb	2.2	317.3
1/4	2.3	317.2
c	2.7	316.8
1/4	3.1	316.4
cb	3.5	316.0
E	4.0	315.5
	70' S	
E	3.7	315.8
cb	3.3	316.2
1/4	3.3	316.2
c	3.2	316.3
1/4	3.0	316.5
cb	2.7	316.8
w	2.8	316.7

100' S

w	3.2	316.3
cb	3.3	316.2
ly	3.4	316.1
c	3.5	316.0
ly	3.5	316.0
cb	4.0	315.5
E	4.5	315.0

150' S

E	5.1	314.4
cb	5.0	314.5
ly	4.9	314.6
c	4.8	314.7
ly	5.2	314.3
cb	5.0	314.5
w	4.7	314.8

200' S

w	5.9	313.6
cb	5.8	313.7
ly	6.0	313.5
c	5.9	313.6
ly	6.1	313.4
cb	6.1	313.4
E	6.4	313.1

250' S

E	6.9	312.6
cb	6.9	312.6

ly	6.8	312.7
c	6.8	312.8
ly	6.8	312.8
cb	6.6	312.9
w	6.6	312.9

300' S

w	7.5	312.0
cb	7.7	311.8
ly	7.7	311.8
+3	7.6	311.9
+9	6.1	313.4
c	6.1	313.4
+5	6.5	313.0
+8	7.5	312.0
ly	7.6	311.9
cb	7.6	311.9
E	7.4	312.1

350' S

E	8.5	311.0
cb	8.9	310.6
ly	8.7	310.8
+5	8.5	311.0
+8	7.3	312.2
c	7.2	312.3
+5	7.4	312.1
ly	8.7	310.8

319.57

cb	8.8	310.7
W	8.6	310.9
400' S		
W	9.4	310.7
cb	10.3	309.2
1/4	9.9	309.6
+6	9.5	310.0
+8	8.2	311.3
C	8.0	311.5
+5	8.5	311.0
+6	9.1	310.4
1/4	9.8	309.7
cb	9.9	309.6
E	9.8	309.7
450' S		
E	10.4	309.1
cb	11.0	308.5
+10	11.2	308.3
1/4	10.6	308.9
+4	10.3	309.2
+8	8.4	310.7
C	8.7	310.8
+5	8.9	310.6
1/4	10.9	308.6
cb	11.6	307.9
W	10.8	308.7

319.51

T.P.	4.24	312.28	11.47	308.04
500' S				
W			5.0	307.3
cb			5.9	306.4
1/4			5.1	307.2
+8			3.0	309.3
C			2.7	309.6
+5			2.9	309.4
+4			4.4	307.9
1/4			5.1	307.2
cb			5.4	306.9
E			4.6	307.7
550' S				
E			6.8	305.5
cb			7.7	304.6
1/4			6.8	305.5
+5			6.1	306.2
+8			4.5	307.8
C			4.2	308.1
+7			5.3	307.0
1/4			7.5	304.8
cb			8.3	304.0
+8			6.7	305.6
W			6.8	305.5

312.28

570.5

W		7.4	304.9
+5		7.4	304.9
+8		9.0	303.3
cb		9.0	303.3
1/4		8.1	304.2
+7		5.7	306.6
C		5.1	307.2
+5 1/4		5.5	306.8
1/4		7.0	305.3
cb		8.1	304.2
E		7.3	305.0

600.5 = N. line Kearney

E		8.2	304.1
cb		8.4	303.9
1/4		8.0	304.3
C		7.5	304.8
1/4		8.4	303.9
cb		9.1	303.2
W		8.7	303.6

BM NW cor Hub

8.75 304.53 Mission Kearney

T.P.	11.40	311.16	12.52	299.76
T.P.	11.54	322.39	0.31	310.85
T.P.			7.60	314.79 = 314.80

BM. B.P.S.W. cor Thorn & 33rd

80' wide
12' 20' 000
10' 145

Morrell St X. Sec
From N. Line Garnet to N Line Diamond

4/15/25
mllm

BM.	5.84	Hi. 71.73	65.89	sw garnet Lamen
T.P.	9.78	76.34	5.17	66.56
		oo = N line Garnet		
W		76.34	8.6	67.7
+3			9.8	65.5
cb			10.4	65.9
cb			9.87	66.47
+1			10.9	65.4
1/4			10.8	65.5
C			10.7	65.6
1/4			11.2	65.1
cb			10.9	65.4
E			11.0	65.3
		35' N		
E			9.6	65.7
cb			8.5	67.8
+7			9.5	66.8
1/4			9.4	66.9
C			9.4	66.9
1/4			9.3	67.0
cb			9.9	66.4
+2			9.2	67.1
+16			8.3	68.0
W			7.6	68.7

Top emb cb
no yardage

70' N

7	W	76.34	6.2	70.1
	+4		7.3	69.0
	+19		8.1	68.1
	cb		8.5	67.8
	+7		7.8	68.5
	1/4		7.9	68.4
	C		7.8	68.5
	1/4		8.5	67.8
	cb		7.8	68.5
	+6		7.8	68.5
	E		10.0	66.3

100' N

	-5		11.9	64.4
	E		11.2	65.1
	cb		8.6	67.7
	1/4		7.4	68.9
	C		6.8	69.5
	1/4		6.8	69.5
	cb		7.2	69.1
	+16		6.4	69.9
	W		5.3	71.0

150' N

	W		4.0	72.3
	+4		5.1	71.2
	cb		5.7	70.6
	1/4		5.7	70.6

	H.I.		
c	76.34	5.9	70.4
1/4		6.5	69.8
cb		7.3	69.0
E		9.7	66.6
+5		10.4	65.9

200'N

-5		9.0	67.3
E		8.9	67.4
cb		7.6	68.7
1/4		6.5	69.8
c		5.7	70.6
1/4		5.7	70.6
cb		5.8	70.5
W		4.2	72.1

270'N = 5. line

Felspar
Feldspar
80' wide
20' chs
10' up

W		3.0	73.3
cb		4.7	71.6
1/4		4.8	71.5
c		4.6	71.7
1/4		5.5	70.8
cb		6.3	70.3
E		6.8	69.5
+5		6.8	69.5

S. cb.

E		6.1	70.2
cb		5.7	70.6

	H.I.		
1/4	76.34	4.7	71.6
c		4.1	72.2
1/4		4.4	71.9
cb		4.6	71.7
W		2.5	73.8

S. 1/4

W		2.5	73.8
cb		4.4	71.9
1/4		4.1	72.2
c		3.8	72.5
1/4		4.5	71.8
cb		5.0	71.3
E		5.6	70.7

E

-5		5.6	70.7
E		5.4	70.9
cb		4.7	71.6
1/4		4.2	72.1
c		3.6	72.7
1/4		3.9	72.4
cb		4.2	72.1
W		2.3	74.0

N 1/4

W		2.1	74.2
cb		4.0	72.3
1/4		3.5	72.8

	H.I.		
C	76.34	3.3	73.0
1/4		3.9	72.4
cb		4.2	72.1
E		5.0	71.3
	N. cb		
E		4.5	71.8
cb		4.0	72.3
1/4		3.6	72.7
C		3.0	73.3
1/4		3.2	73.1
cb		3.6	72.7
W		1.8	74.5
	00 = N. Line Felspar		
W		0.9	75.4
cb		2.7	73.6
1/4		2.4	73.9
C		2.4	73.9
1/4		3.1	73.2
cb		3.3	73.0
E		3.9	72.4
	40'N		
E		2.7	73.6
cb		2.3	74.0
1/4		1.9	74.4
C		1.1	75.2
1/4		1.2	75.1

	H.I.		
cb	76.34	1.4	74.9
W	-	0.0	76.3
T.P.	11.96	0.79	75.55
	75.5N		
W		10.2	77.3
cb		11.7	75.8
1/4		11.5	76.0
C		11.6	75.9
1/4		12.0	75.5
cb		12.0	75.5
E		11.8	75.7
	100'N		
E		10.0	77.5
cb		10.7	76.8
1/4		10.9	76.6
C		10.5	77.0
1/4		10.8	76.7
cb		11.0	76.5
W		9.3	78.2
	140'N		
W		8.3	79.2
cb		9.7	77.8
1/4		9.2	78.3
C		8.9	76.6
1/4		9.2	78.3
cb		9.2	78.3
E		7.5	80.0

185' N

Hl. 87.51

E	5.6	81.9
cb	6.6	80.9
1/4	4.6	80.9
C	4.5	81.0
1/4	7.0	80.5
cb	7.5	80.0
W	6.7	80.8

230' N

W	4.8	82.7
cb	5.4	82.1
1/4	4.9	82.6
C	4.6	82.9
1/4	4.8	82.7
cb	4.5	83.0
E	3.6	83.9

270' N = S. Line Emerald 40' wide 20' cbs 10' 1/4's

E	2.8	84.7
cb	3.3	84.2
1/4	3.1	84.4
C	2.9	84.6
1/4	3.0	84.5
cb	3.4	84.1
W	3.1	84.4

S. cb

W	1.9	85.6
cb	2.2	84.9

MORVELL

Hl. 87.51

1/4	2.2	85.3
C	2.3	85.2
1/4	2.5	85.0
cb	2.3	85.2
E	2.9	84.6

S. 1/4

E	2.8	84.7
cb	2.2	85.3
1/4	2.2	85.3
C	1.9	85.6
1/4	2.2	85.3
cb	2.2	85.3
W	1.9	85.6

Q

W	1.7	85.8
cb	2.0	85.5
1/4	1.9	85.6
C	1.6	85.9
1/4	2.1	85.4
cb	1.9	85.6
E	2.0	85.5

N. 1/4

E	1.4	86.1
cb	1.3	86.2
1/4	1.8	85.7
C	1.2	86.3

H.J.
87.51

1/4	1.6	85.9
cb	1.8	85.7
W	1.6	85.9
N CP.		
W	0.9	86.6
cb	1.5	86.0
1/4	1.2	86.3
2	0.9	86.6
1/4	1.5	86.0
cb	1.0	86.5
E	1.2	86.3

00 = N. Line Emerald

E	0.4	87.1
cb	0.2	87.3
1/4	0.6	86.9
C	0.2	87.3
1/4	0.5	87.0
cb	0.7	86.8
W	0.0	87.5

T.P. 12.26 99.59
50' N.

W	10.6	89.0
cb	11.0	88.6
1/4	10.3	89.6
e	9.9	89.7
1/4	10.5	89.1

H.I.
99.59

cb	9.8	89.8
E	9.3	90.3
100' N House on E. 4 in St.		
E	7.4	92.2
cb	7.2	92.4
1/4	7.8	91.8
C	7.5	92.1
1/4	7.8	91.8
cb	8.4	91.2
W	8.2	91.4

120' N

W	6.9	92.7
cb	7.4	92.2
1/4	6.7	92.9
e	6.6	93.0
1/4	7.0	92.6
cb	7.0	92.6
E	8.2	91.4

150' N

- 5	9.0	90.6
E	8.5	91.1
cb	6.7	92.9
1/4	5.9	93.7
e	5.4	93.8
1/4	5.7	93.9
cb	5.9	93.7
W	5.4	93.8

175' N

w	4.3	95.3
cb	4.9	94.7
1/4	4.8	94.8
c	5.0	94.6
1/4	5.2	94.4
cb	6.2	93.4
E	7.9	91.7
+5	8.2	91.4

200' N

-5	8.0	91.6
E	7.6	92.0
cb	6.2	93.4
1/4	4.7	94.9
c	4.5	95.1
1/4	4.2	95.4
cb	4.1	95.5
w	3.0	96.6

225' N

w	2.2	97.4
cb	3.3	96.3
1/4	3.6	96.0
c	4.1	95.5
1/4	4.8	94.8
cb	6.0	93.6
E	8.6	91.0
+10	9.2	90.4

250' N

-10	8.8	90.8
E	8.5	91.1
cb	7.9	91.7
1/4	7.4	92.2
c	4.0	95.6
1/4	3.3	96.3
cb	2.9	96.7
w	1.3	98.3

270' N = 5 Line Diamond

w	0.8	98.8
+5	1.7	97.9
cb	2.5	97.1
1/4	3.7	95.9
c	4.2	95.4
1/4	4.6	93.0
cb	7.2	92.4
E	7.9	91.7
+10	7.4	92.2

80' wide
20' obs
10' 1/2

18' N

-5	5.4	94.2
E	5.7	93.9
cb	6.3	93.3
+5	6.2	93.4
1/4	4.4	95.2
c	4.3	95.3
1/4	3.8	95.8

cb	4.1	99.59	3.7	95.9
W			1.5	98.1
	S. cb			
W			1.6	98.0
cb			3.7	95.9
1/4			3.8	95.8
C			4.3	95.3
1/4			4.1	95.5
cb			4.3	95.3
E			4.2	95.4
	S. 1/4			
E			3.9	95.7
cb			4.0	95.6
1/4			4.1	95.5
C			3.9	95.7
1/4			3.5	96.1
cb			3.3	96.3
W			1.7	97.9
	Z			
W			2.6	
cb			3.3	
1/4			3.5	
C			3.7	
1/4			3.9	
cb			4.0	
E			4.0	

E	H. N 1/4	99.59	3.6
cb			3.8
1/4			3.7
C			3.5
1/4			3.2
cb			3.1
W			2.5
	N. cb		
W			2.6
cb			3.0
1/4			2.9
C			3.1
1/4			3.2
cb			2.9
E			2.9
	N Like Diamond		
E			1.2
cb			2.1
1/4			2.8
C			3.0
1/4			3.0
cb			2.8
W			2.7
			4.60

94.99

Set BM
on hub E Morrill
S. 7/8 Diamond

80' wide
20' cks
10' 1/2

Emerald St. X. Sec
from E. line Lamont to W. line Noyes

4 1/2 1/2 5
mills

99.59. H.I. sec Page 133

T.P. 12.25 103.30 8.54 91.05

00 = E. line Lamont

S	4.1	99.2
cb	4.27	99.03
cb	4.1	99.2
1/4	4.2	99.1
C	3.8	99.5
1/4	3.7	99.6
cb	3.3	100.0
+18	2.9	100.4
N	2.3	101.0

= 99.00 Grade
in cmt. ep
no yardage

35' E

N	2.0	101.3
+2	2.4	100.6
cb	3.4	99.9
1/4	4.0	99.3
C	4.2	99.1
1/4	4.3	99.0
cb	4.4	98.9
S	4.5	98.8

65' E

S	5.1	98.2
cb	4.6	98.7
1/4	4.3	99.0
C	4.0	99.3

H.I.
103.3

1/4	4.0	99.3
cb	3.2	100.1
+18	2.5	100.8
N	1.9	101.4

100' E

N	0.4	102.5
cb	2.0	101.3
1/4	3.1	100.2
C	3.5	99.8
1/4	4.2	99.1
cb	4.5	98.8
S	5.2	98.1

130' E

S	5.0	98.3
cb	3.8	99.5
1/4	3.4	99.9
C	2.4	100.9
1/4	2.2	101.1
cb	0.6	102.7
N	0.2	103.1

175' E

N	0.6	102.8
cb	1.1	102.2
1/4	2.3	101.0
C	2.7	100.6
1/4	4.0	99.3

136

	H.I.		
cb	103.3	4.4	98.9
S		5.7	97.6
	200'E		
S		7.7	95.6
cb		5.6	97.7
1/4		4.9	98.4
C		4.0	99.3
1/4		3.5	99.8
cb		2.2	101.1
N		1.3	107.0
	225'E		
N		3.8	99.5
cb		4.8	98.5
+5		5.9	97.4
1/4		5.9	97.4
+5		5.1	98.2
C		5.7	97.6
1/4		6.3	97.0
cb		7.0	96.3
S		8.9	94.4
	250'E		
S		10.0	93.3
cb		9.1	94.7
1/4		8.8	94.5
C		8.0	95.3
+5		7.6	95.7

Emerald 137

	H.I.		
1/4	103.3	8.3	95.0
+5		7.8	95.5
cb		6.9	96.4
N		6.2	97.1
	300'E		
N		9.9	93.5
cb		11.1	92.2
1/4		11.4	91.9
C		11.3	92.0
1/4		11.3	92.0
cb		11.9	91.4
S		12.7	90.6
	335'E		
S		13.3	90.0
cb		12.9	90.4
1/4		12.7	90.6
C		12.7	90.6
1/4		12.8	90.5
cb		12.6	90.7
N		11.5	91.8
T.P.	1.14	12.25	91.05
	92.19		
	370'E		
N		1.3	90.9
cb		2.0	90.2
1/4		2.6	89.6
C		2.5	89.7

H.I.

1/4	92.19	2.6	89.6
cb		2.5	89.7
S		2.9	89.3
400' E			
S		3.8	88.4
cb		3.7	88.5
1/4		3.4	88.8
C		3.2	89.0
1/4		2.9	89.3
cb		2.2	90.0
N		1.7	90.5

435' E

N		3.1	89.1
cb		3.7	88.5
1/4		4.4	87.8
C		4.4	87.8
1/4		4.6	87.6
cb		5.0	87.2
S		5.4	86.8

465' E

S		6.8	85.4
cb		6.0	86.2
1/4		5.8	86.4
C		5.6	86.6
1/4		5.4	86.8
cb		5.1	87.1

H.I.

N	92.19	4.1	88.1
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500' E = W. Line Morrell

N			87.5
cb			86.6
1/4			85.9
C			85.8
1/4			85.6
cb			85.6
S			84.4

00 = E. Line Morrell

S			84.7
cb			84.6
1/4			84.7
C			85.5
1/4			86.1
cb			86.3
N			87.1

20' E

N		5.6	86.6
cb		6.2	86.0
1/4		7.0	85.2
C		7.5	84.7
1/4		8.3	83.9
cb		8.3	83.9
S		8.6	83.6

H.I.
9219

	70' E	11.4	80.8
-5		11.2	81.0
S			
+10		10.7	81.5
+15		8.7	83.5
cb		9.7	82.5
1/4		9.3	82.9
c		9.3	82.9
1/4		9.1	83.1
cb		8.8	83.4
N		8.5	83.7
+5		8.3	83.9

95' E

-5		8.4	83.8
N		8.6	83.6
cb		8.7	83.5
1/4		9.1	83.1
c		9.4	82.8
1/4		9.3	82.9
cb		9.6	82.6
+3		8.9	83.3
+9		10.6	81.6
S		11.1	81.1
+5		11.2	81.0

120' E

S		9.4	82.8
+15		8.2	84.0
cb		9.4	82.8

Emerald

H.I.
9219

+5		7.7	84.5
1/4		7.7	84.5
+5		8.2	84.0
c		7.3	84.9
1/4		6.8	85.4
cb		6.6	85.6
N		5.8	86.4

155' E

N		6.2	86.0
cb		6.7	85.5
1/4		6.7	85.5
c		7.3	84.9
+5		8.2	84.0
1/4		7.7	84.5
+5		7.9	84.3
cb		9.3	82.9
+5		8.0	84.2
S		9.0	83.2

200' E

S		9.9	82.3
cb		9.5	82.7
+2		10.3	81.9
+5		9.0	83.2
1/4		9.3	82.9
+4		10.1	82.1
c		8.8	83.4

H.I.
92.19

1/4	9.1	83.1
cb	9.1	83.1
N	9.0	83.2

250' E

N	10.6	81.6
cb	10.9	81.3
1/4	11.0	81.2
C	11.0	81.2
+5	11.8	80.4
1/4	11.6	80.6
cb	11.8	80.4
S	11.8	80.4

300' E

S	13.9	78.3
cb	12.8	79.4
1/4	12.7	79.5
C	12.5	79.7
1/4	11.9	80.3
cb	11.6	80.6
N	11.3	80.9
T.P.	397	83.55
	12.61	79.58

350' E

N	3.2	80.4
cb	3.6	80.0
1/4	3.8	79.8
C	4.4	79.2

Emerald

H.I.
83.55

1/4	4.5	79.1
+7	4.4	79.2
cb	5.1	78.5
S	6.1	77.5

400' E

S	6.4	77.2
cb	5.6	78.0
+5	5.0	78.6
1/4	4.8	78.8
C	4.8	78.8
1/4	4.3	79.3
cb	3.9	79.7
N	4.2	79.4

450' E

N	5.2	78.4
cb	4.8	78.8
1/4	5.1	78.5
C	5.7	77.9
1/4	5.4	78.2
cb	5.8	77.8
S	6.6	77.0

500' E = W Line Notes

S	7.9	75.7
cb	7.4	76.2
+5	6.5	77.1
1/4	6.5	77.1

H.1
8355

E	6.6	77.0
44	4.0	77.6
cb	5.8	77.8
N	5.2	78.4

430
995
14.25

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 1/2 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

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 L may be found by dividing tangent (or external), opposite L 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.

13
 270 13
 141.74
 132.47
 8.27
 162
 132.47
 140.09
 380
 720.09
 406
 760.67
 220
 1090.19
 1891.5
 132.5
 2023.0
 745.87
 30
 162
 777.49
 507.5
 828.24
 600
 1188.24
 2224.5
 1890.6
 333.9
 2224.5
 1890.6
 333.9
 261
 51
 320
 36.0
 71
 19
 2220
 1890.6
 331.4
 2220
 227
 30
 2277

15th of month
 BIKAS FARMYOT 1744 P. SENOR
 Ch. Stakes P. must 4/10