

1341



UNIVERSITY OF TORONTO

No. 500

2497  
98  
2501

MICROFILMED  
DEC 23 1964

97.51  
4  
4.58  
97.8  
5.24  
103.12  
6.43  
96.69  
5.33  
102.02  
4.49  
98.53

ENGINEERING DEPARTMENT  
SAN DIEGO,  
CALIFORNIA.

No. 385 of 200 pages of H.H.

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CALIFORNIA.

X Sec.	Ramona St	Olive to Alice	1
" "	EICAJON Ave,	EICAJON St to EICAJON Pl.	7
" "	Alley	Bet EICAJON & Ramona	19
" "	" "	" " Santiago	32
" "	" "	Vista "	45
" "	Quail St	HILLTOP Dr. to "B" St.	55
" "	"F"	Quail to Raven	63
" "	Langley	Island to K	69
" "	10' Strip N. of Pav.	on Imperial	75

4-26-29 X-section Ramona St.  
 J.C. Bliss Olive to Alice. 60' wide  
 Dreber 10' obs  
 Rowner 10' / 45

B.M. S.W.S.P. El Cajon + Olive 467.36

+1.9v

Hi. 459.28'

E.L. Olive - 60' wide 10' obs

S	9.3	450.0
cb	8.9	450.4
1/4	8.2	451.1
♀	7.9	451.4
1/2	8.1	451.2
cb	8.8	450.5
N	7.5	451.8

(W) G.M.I.

Plotted - 10-27-41 E cb Olive

N	7.6	451.7
cb	8.7	450.6
1/4	8.1	451.2
♀	7.8	451.5
1/4	8.1	451.2
cb	8.3	451.0
S	9.2	450.1

Plotted - 5-14-29

♀ Olive

S	9.1	450.2
cb	8.8	450.5
1/4	8.2	451.1
♀	8.0	451.3
1/4	7.9	451.4

H.I. 459.28

cb	7.8	451.5
N	8.2	451.1
w cb olive		
N	8.1	451.2
cb	8.4	450.9
1/4	8.2	451.1
¢	8.0	451.3
1/4	8.2	451.1
cb	8.7	450.6
S	9.1	450.2

w L olive = 0+00

S	9.1	450.2
cb	8.8	450.5
1/4	8.2	451.1
¢	7.8	451.5
1/4	8.4	450.9
cb	8.4	450.9
N	7.5	451.8
T.P.	-2.87	451.41

+4.06

H.I. 455.47

0+25		
N	3.7	451.8
cb	4.7	450.8
1/4	4.7	450.8

H.I. 455.47

2

¢	4.4	451.1
1/4	4.5	451.0
cb	5.3	450.2
S	5.5	450.0
+50		
S	5.5	450.0
cb	5.2	450.3
1/4	4.5	451.0
¢	4.6	450.9
1/4	4.4	451.1
cb	5.0	450.5
N	4.0	451.5
0+75		
N	4.2	451.3
cb	4.9	450.6
1/4	4.8	450.7
¢	4.8	450.7
1/4	4.4	451.1
cb	5.4	450.1
S	5.9	449.6

1+00

S	6.2	449.3
cb	5.7	449.8
1/4	4.8	450.7
¢	4.9	450.6

H.1 455 47

1/4	4.9	450.6
cb	5.1	450.4
N	4.9	450.6
	1+25	
N	4.9	450.6
cb	5.2	450.3
1/4	5.0	450.5
¢	4.8	450.7
1/4	4.7	450.8
cb	5.5	450.0
S	5.5	450.0
	1+50	
S	5.4	450.1
cb	5.3	450.2
1/4	4.6	450.9
¢	4.9	450.6
1/4	5.1	450.4
cb	5.3	450.2
N	4.9	450.6
	1+75	
N	4.6	450.9
cb	5.3	450.2
1/4	4.1	451.4
¢	5.0	450.5
1/4	4.6	450.9

H.1 455.47

3

cb	5.5	450.0
S	5.4	450.1
	2+00	
S	4.6	450.9
cb	5.2	450.3
1/4	4.9	450.6
¢	4.9	450.6
1/4	4.9	450.6
cb	5.3	450.2
N	4.6	450.9
	2+25	
N	4.4	451.1
cb	4.9	450.6
1/4	4.9	450.6
¢	4.8	450.7
1/4	4.7	450.8
cb	5.1	450.4
S	4.7	450.8
	2+50	
S	4.8	450.7
cb	5.3	450.2
1/4	4.7	450.8
¢	4.8	450.7
1/4	4.8	450.7
cb	5.1	450.4

H.I. 455.47

N	4.6	450.9
	2+7.5	
N	4.7	450.8
cb	5.0	450.5
1/4	5.1	450.9
¢	4.9	450.6
1/4	4.8	450.7
cb	5.5	450.0
S	5.5	450.0
	3+0.0	
S	5.8	449.7
cb	5.7	449.8
1/4	5.0	450.5
¢	5.1	450.4
1/4	5.3	450.2
cb	5.4	450.1
N	5.3	450.2
	3+2.5	
N	5.3	450.2
cb	5.7	449.8
1/4	5.3	450.2
¢	5.3	450.2
1/4	5.0	450.5
cb	5.8	449.7
S	6.1	449.4

H.I. 455.47

4

3+5.0

S	6.1	449.4
cb	6.1	449.4
1/4	5.1	450.5
¢	5.4	450.1
1/4	5.3	450.2
cb	5.8	449.7
N	5.2	450.3
	3+7.5	
N	5.2	450.3
cb	5.5	450.0
1/4	5.5	450.0
¢	5.6	449.9
1/4	5.3	450.2
cb	5.9	449.6
S	5.8	449.7
	4+0.0	
S	5.6	449.9
cb	6.0	449.5
1/4	5.5	450.0
¢	5.6	449.9
1/4	5.6	449.9
cb	5.2	450.3
N	4.7	450.8
	4+2.5	
N	5.1	450.4

H.I. 455.47

cb	5.8	449.7
1/4	6.1	449.4
♀	5.8	449.7
1/4	5.8	449.7
cb	6.3	449.8
S	6.0	449.5
T.P.	-5.67	449.80

+4.10

H.I. 453.90

+4.50

S	4.7	449.2
cb	4.9	449.0
1/4	4.2	449.7
♀	4.5	449.4
1/4	4.5	449.4
cb	4.5	449.4
N	4.3	449.6

+4.75

N	5.1	448.8
cb	5.2	448.8
1/4	4.8	449.1
♀	4.7	449.2
1/4	4.5	449.4
cb	5.2	448.7
S	5.1	448.8

H.I. 453.90

5+00

S	5.1	448.8
cb	5.6	448.3
1/4	4.7	449.2
♀	4.8	449.1
1/4	4.7	449.2
cb	5.0	448.9
N	5.4	448.5

5+25

N	5.4	448.5
cb	5.5	448.4
1/4	5.5	448.4
E	4.8	449.1
1/4	4.7	449.2
cb	5.6	448.3
S	5.3	448.6

5+50

S	5.1	448.8
cb	5.7	448.2
1/4	4.8	449.1
♀	4.8	449.1
1/4	5.5	448.4
cb	5.3	448.6
N	5.3	448.6

5+75

N	5.1	448.8
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5



H.I. 453.90

cb	5.6	448.3
1/4	5.4	448.5
♀	5.3	448.6
1/4	4.9	449.0
cb	5.7	448.2
S	5.2	448.7
	6+00	
S	5.5	448.4
cb	5.6	448.3
1/4	5.2	448.7
♀	4.9	449.0
1/4	5.5	448.4
cb	5.9	448.0
N	5.1	448.8
	6+25	
N	5.4	448.5
cb	6.1	447.8
1/4	5.5	448.9
♀	5.2	448.7
1/4	5.6	448.3
cb	5.9	448.0
S	5.5	448.4
	6+50	
S	5.2	448.7
cb	5.5	448.4

H.I. 453.90

6

+3	7.1	446.8
1/4	6.0	447.9
♀	5.7	448.2
1/4	6.1	447.8
cb	6.4	447.5
+4	5.5	448.4
N	5.5	448.4
	(+71.85 = Intersection N.L. Remona + El. Alice)	
N	4.7	449.2
cb	5.5	448.4
+5	7.3	446.6
1/4	6.8	447.1
♀	6.9	447.0
1/4	7.4	446.5
cb	7.8	446.1
+3	4.4	449.5
S	4.8	449.1
	Section along El. Alice from 6+71.85 on the North to 6+83.52 on South	
S	4.5	449.4
+6	4.9	449.0
+8	7.9	446.0
cb	8.6	445.3
1/4	8.1	445.8
♀	7.4	446.5

H.I. 453.90

1/4	7.1	446.8	
+9	6.9	447.0	
cb	5.1	448.8	
N	4.7	449.2	
T.P.		-4.13	449.77

+7.36 452.13

B.M. S.W. Nails in Pole El Cajon + Alice	-1.53	455.60	
	Correct	455.63	
	Error	0.03	

4-27-29 X-section El Cajon Ave -  
 J.C. Bliss El Cajon Street to El Cajon  
 Drebert place - 60' wide - 10' x 45' 10' x 65'  
 Rauner 15' Strip Paving in center

7

B.M. S.W. S.P. El Cajon + Alice 453.67

+2.60 H.I. 456.27

S.L. Paving on El Cajon - See improvement Plans

W 26 453.7

Tp cb - existing and return 2.96 453.31

G 3.46 452.81

1/4 3.00 453.27

E 2.83 453.44

1/4 2.85 453.92

cb - edge paving East side 2.18 453.29

E 3.0 453.3

0+00 - See sketch Page 14

E 2.7 453.6

cb 3.3 453.0

1/4 3.4 452.9

cp 3.20 452.1

E 3.04 453.23

cb 3.14 453.13

1/4 3.2 453.1

G 3.46 452.81

Tp cb - 2.96 453.31

W 2.6 453.7

0+173

W 3.4 452.9

cb 3.1 452.7

Plotted - 5-16-29 G.M.J.

Note - There is an asphalt shoulder on each side of the paving approximately 3' wide + in poor condition.

H.I. 456.27

1/4	3.5	452.8
e.p	3.49	452.78
♀	3.31	452.96
e.p	3.56	452.71
1/4	3.7	452.6
cb	3.8	452.5
E	3.7	452.6
0+42.3		
E	4.3	452.0
cb	4.5	451.8
76	4.3	451.8
1/4	4.0	452.3
e.p	3.84	452.43
♀	3.64	452.63
e.p	3.88	452.39
1/4	3.9	452.7
cb	3.9	452.4
w	3.5	452.8
0+67.3		
w	3.7	452.6
cb	4.1	452.2
1/4	4.2	452.1
e.p	4.20	452.07
♀	3.96	452.31
e.p	4.20	452.01

H.I. 456.27

8

1/4	4.3	452.0
cb	5.0	451.3
E	5.4	450.9
0+92.3		
E	5.4	450.9
cb	5.3	451.0
1/4	4.8	451.5
e.p	4.61	451.66
♀	4.35	451.92
e.p	4.50	451.75
1/4	4.5	451.8
cb	4.6	451.7
w	4.6	451.7
1+12.3		
w	5.0	451.3
cb	5.0	451.3
1/4	5.1	451.2
e.p	4.98	451.29
♀	4.75	451.52
e.p	5.03	451.24
1/4	5.1	451.2
cb	5.5	450.8
E	5.4	450.9

H.I. 456.27

1+42.3

E	6.4	449.9
cb	6.1	450.2
1/4	5.7	450.6
e.p	5.8	450.59
f	5.43	450.84
e.p.	5.67	450.60
1/4	5.7	450.6
cb	6.0	450.3
W	5.2	451.1

1+67.3

W	5.5	450.8
cb	5.7	450.6
1/4	6.8	449.5
1/4	6.4	449.9
e.p	6.37	449.90
f	6.14	450.13
e.p.	6.42	449.85
1/4	6.5	449.8
+5	6.1	450.2
cb	6.4	449.9
E	6.6	449.7

1+92.3

E	6.9	449.4
cb	6.8	449.5
+5	6.4	449.9

H.I. 456.27

9

1/4	7.3	449.0
e.p	7.20	449.07
f	6.98	449.29
e.p	7.22	449.05
1/4	7.3	449.0
+6	7.7	448.6
cb	6.2	450.1
W	6.0	450.3

2+17.3

W	6.0	450.3
cb	6.0	450.3
+3	7.9	448.4
1/4	8.2	448.1
e.p	8.11	448.16
f	7.88	448.39
e.p	8.15	448.12
1/4	8.2	448.1
+2	8.2	448.1
+5	6.8	449.5
cb	6.8	449.5
E	7.0	449.3

2+47.3

E	7.3	449.0
cb	6.9	449.4
+5	7.0	449.3

H.I. 456.29

47	9.2	447.1	E
1/4	9.2	447.1	cb
e.p.	9.07	447.18	1/2
¢	8.84	447.43	e.p.
e.p.	9.04	447.23	¢
1/4	9.1	447.2	e.p.
1/6	9.1	447.2	1/4
cb	6.5	449.8	1/6
W	6.5	449.8	cb
T.P.	-8.80	447.47	W

+ 3.30

H.I. 450.77

2+92.3

W	1.8	449.0
cb	1.9	448.9
42	4.3	446.5
1/4	4.5	446.3
e.p.	4.44	446.33
¢	4.24	446.53
e.p.	4.52	446.25
1/4	4.6	446.2
1/4	4.2	446.6
1/6	1.5	449.3
cb	0.7	450.1
E	1.3	449.5

H.I. 450.77

10

2+92.3

39	446.9
48	446.0
52	445.6
547	445.30
524	445.53
540	445.37
54	445.47
53	445.5
2.0	448.8
2.0	448.8

3+10.3 = Intersection of E. Cajon Blvd + Ramona St.

W	2.3	448.5
cb	2.3	448.5
1/4	5.9	444.9
1/4	6.0	444.8
e.p.	6.08	444.69
¢	5.88	444.89
e.p.	6.07	444.70
1/4	5.8	445.0
cb	5.3	445.5
E	4.7	446.1

3+27.8

E	1.7	449.1
1/5	5.3	445.5
cb	6.3	444.5

H.I. 450.77

1/4	6.9	443.9
e.p.	6.77	444.00
♀	6.47	44.30
e.p.	6.62	44.15
1/4	6.6	44.2
+6	6.7	44.1
cb	2.8	48.0
w	2.8	48.0
3+42.3		
w	3.7	47.1
cb	4.3	46.5
+4	7.0	43.8
1/4	7.1	43.7
e.p.	7.24	43.52
♀	7.04	43.73
e.p.	7.28	43.49
1/4	7.5	43.3
+3	7.5	43.3
cb	1.4	49.4
E	1.6	49.2
3+67.3		
E	7.0	48.8
cb	2.5	48.3
+7	8.0	48.8
1/4	8.3	48.5

H.I. 450.77

11

e.p.	8.30	442.47
♀	8.05	442.72
e.p.	8.22	42.55
1/4	7.8	43.0
cb	7.3	43.5
w	6.0	47.8
3+92.3		
w	6.2	44.6
cb	6.6	44.2
+5	9.1	41.7
1/4	9.2	41.6
e.p.	9.24	41.53
♀	9.00	41.77
e.p.	9.25	41.52
1/4	9.3	41.5
+3	9.1	41.7
cb	3.1	47.7
E	2.5	48.3
4+17.3		
E	3.2	47.6
cb	3.9	46.9
w	8.5	42.3
+5	10.5	40.3
1/4	10.5	40.3
e.p.	10.31	40.46

H.I. 450.77

¢	10.08	440.69
e.p.	10.28	440.49
1/4	10.3	440.5
+5	10.5	440.3
cb	8.1	442.7
w	8.0	442.8
	4442.3	
w	10.3	440.5
cb	10.5	440.3
+5	11.6	39.2
1/4	11.4	39.4
e.p.	11.28	39.49
¢	11.08	39.69
e.p.	11.31	39.46
1/4	11.3	39.5
+5	11.3	39.5
cb	4.8	46.0
E	4.3	46.5
	4467.3	
E	5.3	45.5
cb	5.9	44.9
+7	11.8	39.0
1/4	12.4	38.4
e.p.	12.33	38.49
¢	12.07	38.70

H.I. 450.77

12

e.p.	12.39	438.38
1/4	12.4	438.4
cb	12.4	38.4
w	12.4	38.4
	4482.9 = B.C	$R = 238.87$ $L = 450.78$
		$A = 107.43'$ $12 \text{ Parts}$
w	13.2	37.6
cb	13.0	37.8
1/4	12.9	37.9
e.p.	12.90	37.87
¢	12.71	38.06
e.p.	12.88	37.89
1/4	12.9	37.9
+7	12.9	37.9
cb	6.7	44.1
F	6.0	44.8
	section between parts	142
E	12.4	38.4
cb	12.9	37.9
T.P.		12.60 438.17
	4469	
		$R = 238.87$ $L = 450.78$
1/4	3.5	436.4
e.p.	3.57	36.29
¢	3.38	36.48
e.p.	3.52	36.34

H.I. 439.86

1/4	3.7	436.2
cb	3.9	36.0
W	4.6	35.3

Section between parts 243

W	6.2	33.7
cb	5.8	34.1
1/4	5.0	34.9
e.p.	4.98	34.88
E	4.82	35.04
e.p.	5.08	34.78
1/4	5.0	34.9
cb	5.4	34.5
E	6.3	33.6

Section between parts 344

E	11.9	28.0
cb	11.0	28.9
45	7.2	32.7
1/4	6.5	33.4
e.p.	6.49	33.37
E	6.35	33.51
e.p.	6.50	33.36
1/4	6.5	33.4
cb	8.6	31.3
W	9.5	30.4

H.I. 439.86

13

Section between parts 445

W	13.8	436.1
cb	12.0	27.9
1/4	7.9	32.0
e.p.	7.82	32.04
E	7.68	32.18
e.p.	8.08	31.78
1/4	7.9	32.0
45	9.0	30.9
cb	8.2	31.7
E	7.7	32.2

Preceding section +15 on E = Beginning Rolando Paring

E	8.29	431.57
cb	8.65	431.21
1/4	8.36	31.50
E	8.01	31.85
e.p.	8.29	31.57
1/4	8.3	31.6
cb	13.2	26.7
W	13.2	26.7
Flowline culvert under st	16.37	
	546	
W	15.8	24.1
cb	15.8	24.1
1/4	9.0	30.9
e.p.	9.00	30.86



El Cajon

South Paving Line EL Cajon 14

0700

35'

?

Ramona

$\Delta 107^{\circ}45'$

$R = 238.89$

$L = 450.78$

B.C.

F.C.

21

11

10

6

8

7

4

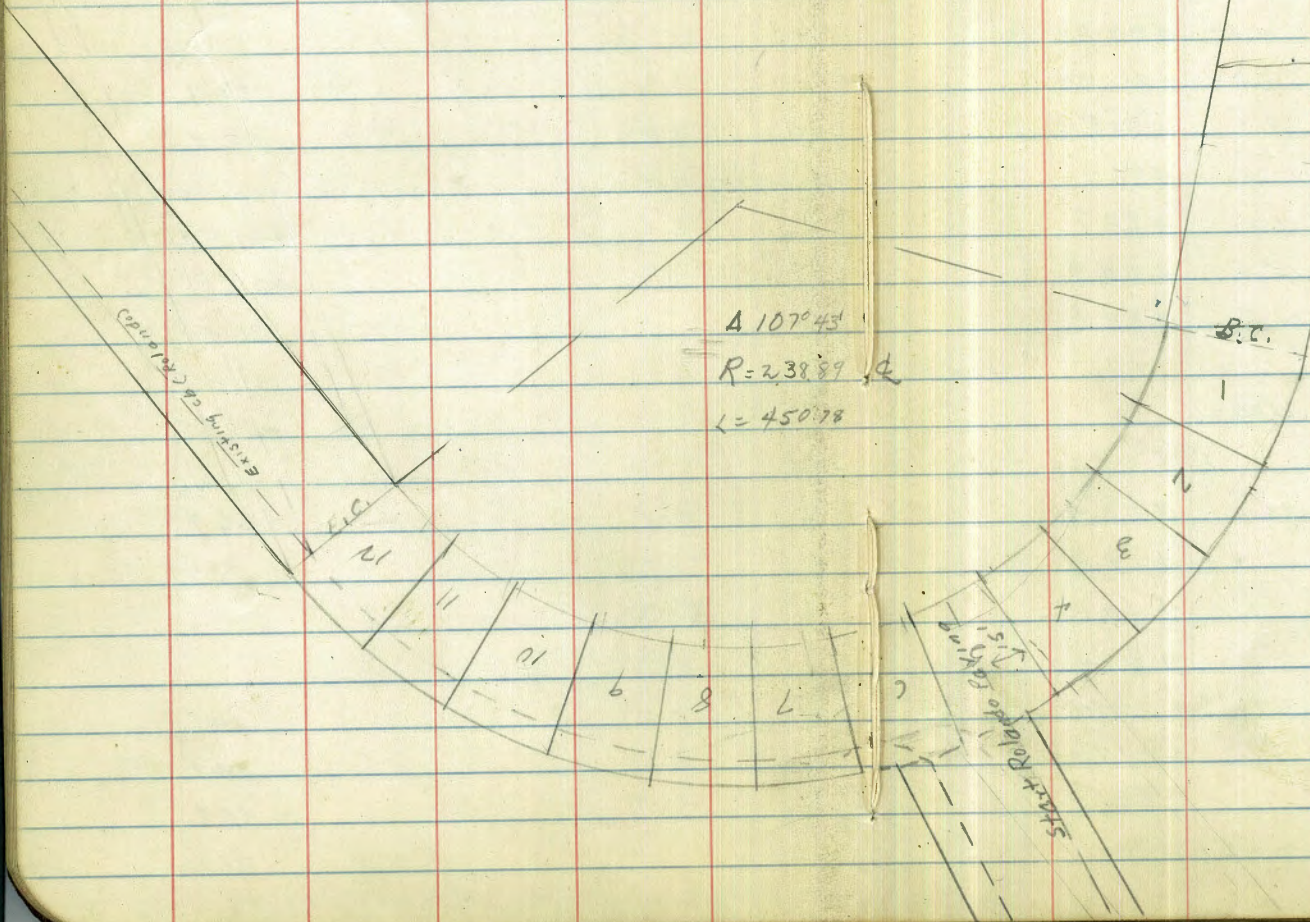
3

11

1

Start Road to Existing Paving

EXISTING PAVING LINE



H.I. 43986

H.I. 43426

15

£	8.74	431.12
1/4	9.05	430.81
cb	9.10	30.76
E	8.52	31.34

E	6+7	
TP cb	9.31	430.55
G	10.04	429.82
£	9.62	430.24
e.p.	9.91	429.95
1/4	9.9	430.0
+5	11.0	428.9
cb	15.0	424.9
W	17.5	422.4
TP	9.81	430.05

+421

H.I. 43426

7+8

W	10.9	423.4
cb	9.5	424.8
+5	5.1	424.8
1/4	4.9	429.4
e.p.	4.80	429.46
£	4.53	429.73
Gutter	5.22	429.04
TP cb	4.45	429.81

Tp cb

G

£

e.p.

1/4

cb

W

W

cb

1/4

e.p.

£

G

Tp cb

Tp cb

G

£

e.p.

1/4

cb

+5

W

8+9

4.84 429.42

5.57 428.69

4.87 429.39

5.10 429.16

5.3 429.0

4.9 429.4

10.6 23.7

9+10

11.4 22.9

5.8 28.5

5.1 29.2

5.08 29.18

4.86 29.40

5.71 28.55

4.86 29.40

10+11

4.49 429.77

5.20 29.1

4.54 29.72

4.75 29.51

4.9 29.4

4.3 30.0

4.7 29.6

8.2 26.1

H.I. 434.26

11 and 12

	6.0	428.3
cb	4.2	30.1
1/4	4.5	29.8
e.p	4.49	29.77
♀	4.21	30.05
G	4.92	29.34
Tr cb	4.18	30.08

E.C. = 0+00

Tr cb	3.75	30.51
G	4.54	29.72
♀	3.75	30.51
e.p	4.00	30.26
1/4	4.0	30.36
cb	4.2	30.1
E	4.8	29.5

0+25

E	8.7	25.6
cb	6.0	28.3
1/4	3.7	30.6
e.p	3.62	30.64
♀	3.42	30.84
G	4.12	30.14
Tr cb	3.50	30.76

H.I. 434.26<sup>6</sup>

16

0+50

Tr cb	3.99	431.20
G	3.80	30.49
♀	2.98	31.31
e.p	3.24	31.02
1/4	3.3	31.0
T.P		-3.01

+7.25

H.I. 439.20

cb	11.6	427.6
E	13.5	425.7
cb	0+75	
E	15.7	423.5
cb	13.4	425.8
1/4	8.8	430.4
e.p	7.85	431.35
♀	7.52	421.68
G	8.33	430.87
Tr cb	7.50	431.70

1+00

Tr cb	6.91	432.29
G	7.86	431.34
1/4	7.05	432.15
e.p	7.35	431.85
1/4	7.5	431.7
♀	8.7	430.5

H.I. 439.20

cb	8.2	431.0
E	15.4	422.8
	1+25	
E	15.5	423.7
cb	10.9	28.3
+5	7.2	32.0
1/4	6.8	32.4
e.p.	6.6	32.54
¢	6.30	32.90
G	6.85	32.35
Tp cb	6.15	33.05
	1+50	
Tp cb	5.33	423.87
E	6.00	33.2
¢	5.51	33.69
cb	5.81	33.39
1/4	6.0	33.2
+5	7.4	21.8
cb	11.0	28.2
+5	12.9	26.3
E	13.8	25.4
	1+75	
E	12.4	26.8
cb	10.8	28.4
+6	5.7	33.5

H.I. 439.20

17

1/4	5.1	434.1
e.p.	4.9	424.30
¢	4.64	434.56
G	5.13	424.07
Tp cb	4.42	434.78
	2+00	
Tp cb	3.47	425.73
G	4.20	35.00
¢	3.68	35.52
e.p.	4.00	35.20
1/4	4.0	35.2
+5	5.0	34.2
cb	8.6	30.6
E	11.8	27.4
	2+25	
E	11.2	28.0
cb	8.2	21.0
+5	3.7	35.5
1/4	3.0	36.2
e.p.	2.94	36.26
¢	2.62	36.58
G	3.25	35.95
Tp cb	2.52	36.58
	2+50	
Tp cb	1.75	37.55

H.I. 439.20

G	241	436.79
¢	1.70	437.50
c.p.	198	437.22
44	1.9	437.3
+7	2.7	436.5
cb	54	433.8
+5	2.5	431.7
E	90	430.2
	2475	
E	95	429.7
cb	21	422.1
42	0.8	438.4
1/4	1.1	38.1
c.p.	1.05	38.15
¢	0.75	38.95
G	1.54	37.66
Tr cb	0.85	38.35
T.P		-1.14 438.06

49.34

H.I. 447.40

3400

Tr cb	812	439.28
G	885	438.55
¢	2.96	439.44
c.p.	821	439.19
1/4	83	439.1

H.I. 447.40

18

cb	86	438.8
E	141	333
	3425	
E	112	36.2
cb	66	40.8
1/4	2.3	40.1
c.p.	7.31	40.09
¢	7.09	40.31
G	7.87	39.53
Tr cb	7.19	40.21
	3450	
Tr cb	620	441.20
G	6.91	440.49
¢	6.16	441.24
c.p.	6.35	441.05
1/4	6.4	441.0
cb	6.1	441.3
E	6.8	440.6

3483 = B.C. of Curve on to El Cajon Main Blvd

E	6.0	441.4
cb	5.3	442.1
1/4	5.1	442.3
c.p.	5.04	442.36
¢	4.95	442.45
G	5.64	441.76

H.I. 447.40

5-1-29 X-section Alley between El Cajon  
& Ramona - from Isabelle to Alice  
C. Bliss  
Drebert  
Raney 20' wide

19

Top ab	498442.42	B.M. S.W.B.P. El Cajon + Isabelle	480.17
B.M. S-E Nails in Pole El Cajon Place	-1.94		445.46
- El Cajon Blvd	Correct		445.49
	Error		0.03

H.I. 480.43

W.L. Isabelle = 2000

For other details see plans for improvement  
El Cajon Blvd

N	88	476.6
E	81	472.3
S	79	478.5
0+25		
S	79	470.5
E	96	470.8
N	97	470.7
0+50		
N	91	471.3
E	100	470.4
S	102	470.2
0+75		
S	97	470.7
E	89	471.5
N	79	472.5
1+00		
N	78	472.6
E	85	471.9
S	91	471.3
1+25		
S	93	471.1

Plotted - 5-16-29 G.M.J.

H1 480.43

♀	82	4722	
N	77	727	
	1450		
N	89	715	
♀	94	710	
S	10.4	700	
	1475		
S	12.1	68.3	
♀	11.2	69.2	
N	10.5	69.9	
	2400		
N	12.4	68.0	
♀	12.1	67.3	
S	13.2	66.6	
	2430		
S	15.6	64.8	
♀	15.4	65.0	
N	14.8	65.6	
	2435	E.L. Harbison	
N	14.3	66.1	
♀	15.1	65.3	
S	15.5	64.9	
T.P.		-1270 468.33	
	f 1323	481.56	

H1 481.56

20

W.L. Harbison = 0400

	142	467.4	S
	13.6	680	♀
	12.8	688	N
	0425		
	13.2	684	N
	13.8	67.8	♀
	15.3	66.3	S
	16.9	64.7	0410
	0450		
	16.7	69.9	0410
	16.4	65.2	S
	15.1	66.5	♀
	14.6	67.0	N
	0475		
	15.2	66.4	N
	15.5	66.1	♀
	15.8	65.8	S
	1400		
	11.4	70.2	S
	13.1	68.5	♀
	13.4	68.2	N
	1425		
	9.7	71.9	N
	9.5	72.1	♀
	8.3	73.3	S

H.I. 481.56

1750

S	6.2	475.4
Φ	7.2	474.4
N	8.2	734

1725

N	6.0	75.6
Φ	5.5	76.1
S	5.5	76.1

2400

S	4.8	76.8
Φ	4.8	76.8
N	5.1	76.5

2425

N	4.6	77.0
Φ	4.3	77.3
S	4.2	77.4

2450

S	4.7	76.9
Φ	4.9	76.7
N	5.2	76.4

2475

N	5.9	75.7
Φ	6.2	75.4
S	5.8	75.8

3400

S	5.8	75.8
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H.I. 481.54

21

Φ	5.8	475.8
N	5.4	76.2

3435 = E.L. Dora

N	4.7	76.9
Φ	5.2	76.4
S	5.4	76.2
T.P		-433

477.23

5.18

H.I. 482.41

W.L. Dora 20400

S	4.9	77.5
Φ	4.8	77.6
N	4.5	77.9

0425

N	4.1	78.3
Φ	4.3	77.9
S	4.7	77.7

0450

S	4.1	78.3
Φ	4.0	78.4
N	3.6	78.8

0475

Out H & 16 Double Garage - Dirt Floor	3.2	79.2
N	3.3	79.1
Φ	3.6	78.8
S	3.8	78.6



H. 482.41

1400

S	3.8	478.6
E	3.8	78.6
N	3.5	78.9

1425

N	3.2	79.2
E	4.1	78.3
S	3.8	79.6

1450

S	4.2	78.2
E	4.3	78.1
N	4.0	78.4

1475

N	5.0	77.4
E	5.4	77.0
S	5.7	76.7

2+00

S	6.0	76.4
E	5.8	76.6
N	5.2	77.2

2+25

N	6.3	76.1
E	6.6	75.8
S	6.7	75.7

2+50

S	7.1	75.3
---	-----	------

H. 482.41

22

E	7.0	475.4
N	6.7	75.7

2+75

N	6.6	75.8
E	7.7	74.7
S	7.6	74.8

3+00

S	7.9	74.5
E	7.9	74.5
N	7.4	75.0

3+25

N	7.7	74.7
E	8.3	74.1
S	8.3	74.1

3+50

S	8.5	73.9
E	8.4	74.0
N	8.1	74.3

3+75

N	8.5	73.9
E	8.8	73.6
S	8.9	73.5

4+00

S	8.9	73.5
E	8.9	73.5

H.A. 48241

N	8.9	735	
Out 1' $\phi$ 7' Garage - Dirt Floor	8.7	737	
	4+25		
N	8.8	736	
$\phi$	8.9	735	
S	9.0	734	
	4+50		
S	8.5	739	
$\phi$	8.7	737	
N	8.1	743	
	4+75		
N	7.6	748	
$\phi$	7.8	746	
S	7.6	748	
	5+00		
S	7.4	750	
$\phi$	7.5	749	
N	7.3	751	
T.P.		745	474.96

+ 444

H.A. 479.40

5+25

N	4.5	4749	
$\phi$	4.5	749	
S	4.5	749	

479.40

5+50

S	4.7	474.7	
$\phi$	5.0	744	
N	5.1	743	

5+53

 $\phi$  8' Garage at N.L. - Dirt Floor 5.1 743

5+75

N	5.7	737	
$\phi$	5.7	737	
S	5.4	740	

6+00

S	6.4	730	
$\phi$	6.7	727	
N	6.8	726	

6+20 = E.L. Helen

N	7.4	720	
$\phi$	7.2	722	
S	7.0	724	

T.P.

-942 469.98

+100

H.I. 470.98

W.L. Helen - 0+00

S	1.1	469.9	
$\phi$	1.1	69.9	
N	0.9	70.1	

23

H1 470.98

0+25

N 1.9 469.1

S 471.0 1.7 69.3

S 2.0 69.0

0+50

S 2.4 68.6

S 2.3 68.7

S 2.2 68.8

0+75

N 3.0 68.0

S 3.4 67.6

S 3.6 67.4

1+00

S 3.8 67.2

S 3.6 67.4

N 3.2 67.8

1+25

N 3.8 67.2

S 4.0 67.0

S 4.3 66.7

1+50

S 4.5 66.5

S 4.2 66.8

N 3.9 67.1

1+85

N 5.0 66.0

H1 470.98

24

5.3 465.7

5.3 65.7

2+00

5.6 65.4

5.3 65.7

5.1 65.9

2+25

5.8 65.2

6.1 64.9

6.4 64.6

2+50

6.6 64.4

6.5 64.5

6.3 64.7

2+75

6.2 64.8

6.1 64.9

6.1 64.9

3+00

5.5 65.5

5.1 65.4

5.6 65.4

3+25

5.4 65.6

5.7 65.3

H. 470.98

S	5.8	465.2
	3+50	
S	5.6	65.4
☿	5.8	65.2
N	5.5	65.5
	3+75	
N	5.4	65.6
☿	5.8	65.2
S	6.2	64.8
	4+00	
S	6.3	64.7
☿	6.3	64.7
N	6.1	64.9
	4+25	
N	6.1	64.9
☿	6.1	64.9
S	6.2	64.8
	4+50	
S	6.6	64.4
☿	6.5	64.5
N	6.4	64.6
	4+75	
N	6.7	64.3
☿	6.8	64.2
S	6.8	64.2

H. 470.98

25

	5+00	
S	7.1	463.9
☿	7.1	63.9
N	7.0	64.0
	5+25	
N	7.6	63.4
☿	7.5	63.5
S	7.7	63.3
	5+50	
S	7.6	63.4
☿	7.6	63.4
N	7.7	63.3
	5+75	
N	7.8	63.2
☿	7.9	63.1
S	8.2	62.8
	6+00	
S	8.2	62.8
☿	8.2	62.8
N	8.0	63.0
	6+20 = E.L. Lois	
N	8.0	63.0
☿	8.1	62.9
S	8.4	62.6
T.P.		8.27 462.71
	+4.92	467.63

H.I. 467.63

H.I. 467.63

26

W.L. 465 = 0100

S	5.3	462.3	£	7.6	460.0
£	5.5	62.1	N	7.3	60.3
N	5.6	62.0		3+00	
	0+20		N	7.0	60.6
N	5.8	61.8	£	7.7	59.9
£	5.9	61.7	S	7.7	59.9
S	5.6	62.0		3+25	
	0+50		S	7.6	60.0
S	5.8	61.8	£	7.3	60.3
£	5.8	61.8	N	6.8	60.8
N	5.6	62.0		3+50	
	1+00		N	6.7	60.9
N	6.0	61.6	£	7.0	60.6
£	6.2	61.4	S	7.4	60.2
S	6.5	61.1		3+75	
	1+50		S	7.1	60.5
S	6.9	60.7	£	7.3	60.3
£	6.7	60.9	N	7.1	60.5
N	6.8	60.8		4+00	
	2+00		N	7.4	60.2
N	7.3	60.3	£	7.7	59.9
£	7.3	60.3	S	7.5	60.1
S	7.2	60.4		4+50	
	2+50		S	10.0	57.6
S	7.7	59.9	£	10.2	57.4

H.I. 467.63

N	10.0	457.6
	5+00	
N	11.7	55.9
♀	11.8	55.8
♂	11.9	55.7
	5+50	
♂	12.3	55.3
♀	12.6	55.0
N	12.9	54.7
	6+00	
N	13.1	54.5
♀	13.4	54.2
♂	13.6	54.0
	6+20 = E.L. Victoria	
♂	13.3	54.3
♀	13.7	53.9
N	13.4	54.2

B.M. S.W.B.P. El Cajon + Victoria -10.91 456.65

Correct 456.70

Error 0.05

+3.58

H.I. 460.28

W.L. Victoria 0+00

Top existing	535	454.93
♂	56	54.7

H.I. 460.28

27

♂	5.8	454.5
♂	5.7	54.6
	0+25	
♂	5.0	55.3
♀	5.2	55.1
N	4.8	55.5
	0+50	
N	3.8	56.5
♀	4.1	56.2
♂	4.3	56.0
	0+75	
♂	3.6	56.7
♀	3.6	56.7
N	3.6	56.7
	1+00	
N	2.8	57.5
♀	2.8	57.5
♂	3.0	57.3
	1+25	
♂	2.6	57.7
♀	2.6	57.7
N	2.4	57.9
	1+50	
N	2.2	58.1
♀	2.1	57.7

H.I. 460.28

J	25	457.8	
	1475		
S	28	57.5	
£	2.6	57.7	
N	2.5	57.8	
	2100		
N	25	57.8	
£	2.6	57.7	
S	28	57.5	
T.P.		-2.58	457.70

+ 482

H.I. 462.52

	2475		
S	52	457.3	
£	33	57.2	
N	52	57.3	
	2150		
N	53	57.2	
£	51	56.8	
S	55	57.0	
	2475		
S	49	57.6	
£	57	56.8	
N	56	56.9	

H.I. 462.52

28

3100

N	53	457.2	
£	54	57.1	
S	53	57.2	
	3125		
S	54	57.1	
£	53	57.2	
N	55	57.0	
	3150		
N	56	56.9	
£	57	56.8	
S	56	56.9	

3175

S	57	56.8	
£	60	56.5	
N	57	56.8	

4100

N	66	55.9	
£	68	55.7	
S	67	55.8	

4125

S	66	55.9	
£	69	55.6	
N	67	55.8	

4150

N	65	56.0	
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H.I. 462.52

♀	6.6	55.9
♂	6.5	56.0
	4+75	
♂	6.7	55.8
♀	6.9	55.6
N	6.3	56.2
	5+00	
N	6.6	55.9
♀	7.2	55.3
♂	6.9	55.6
	5+25	
♂	7.3	55.2
♀	7.1	55.4
N	6.8	55.7
	5+50	
N	7.4	55.1
♀	7.5	55.0
♂	7.6	54.9
	5+75	
♂	7.8	54.7
♀	7.9	54.6
N	7.6	54.9
	6+00	
N	7.2	55.3
♀	7.6	54.9

H.I. 462.52

29

♂	7.7	454.8
	6+20 = E.L. Olive	
♂	7.6	54.9
♀	7.5	55.0
N	7.7	55.3
	W.L. Olive = 0+00	
N	7.7	54.6
♀	8.1	54.4
♂	8.0	54.5
	0+25	
♂	8.0	54.5
♀	8.0	54.5
N	8.1	54.4
	0+50	
N	8.2	54.3
♀	8.2	54.3
♂	8.2	54.3
	0+75	
♂	8.9	53.6
♀	8.9	53.6
N	8.6	53.7
	1+00	
N	9.4	53.1
♀	9.4	53.1
♂	9.3	53.2



H.I. 462.52

T P		- 890	453.62	¢
	+288			S
	H.I. 456.50			
	1+25			S
S	2.5	454.0		¢
¢	2.5	540		N
N	2.6	539		
	1+50			N
N	3.3	532		¢
¢	3.5	530		S
S	3.6	529		
	1+75			S
S	3.6	529		¢
¢	3.6	529		N
N	3.3	532		
	2+00			N
N	3.8	527		¢
¢	4.0	525		S
S	4.4	521		
	2+25			S
S	4.4	521		¢
¢	4.5	520		N
N	4.3	522		
	2+50			N
N	4.4	521		¢

H.I. 456.50

30

	4.3	452.2	
	4.4	521	
	2+75		
	4.0	525	
	3.8	527	
	3.6	529	
	3+00		
	2.3	54.2	
	2.7	53.8	
	3.0	53.5	
	3+25		
	2.7	53.8	
	2.5	54.0	
	2.3	54.2	
	3+50		
	2.4	54.2	
	2.3	54.2	
	2.8	53.7	
	3+75		
	2.8	53.7	
	2.0	54.5	
	1.8	54.7	
	4+00		
	2.1	54.4	
	2.1	54.4	

H. 1. 456.50

S	2.5	454.0
4+25		
S	2.9	536
E	3.0	535
N	2.5	540
4+50		
N	3.3	532
E	3.2	533
S	2.9	536
4+75		
S	4.2	52.3
E	3.9	52.6
N	3.6	52.9
5+00		
N	4.7	51.8
E	4.8	51.7
S	4.8	51.7
5+25		
S	5.9	50.6
E	5.6	50.9
N	5.9	50.6
5+50		
N	5.7	50.8
E	5.7	50.8
S	6.0	50.5

H. 1. 456.50

31

5+75

S	6.0	450.5
E	5.6	450.9
N	5.7	450.8
6+00		
N	5.7	450.8
E	6.1	450.4
S	6.3	450.2

Section of E. L. Alice

S	5.6	450.9
E	5.5	451.0
N	5.8	450.7
B. M. S.W. - B. P. El Cajon - Alice.		
		-0.82 453.68
		Correct 453.67
		Error 0.01



5-2-29 x-section Alley between El Cajon  
 J.C. Bliss + Santiago from Alice to Isabella.  
 Drebert  
 20' wide

H.I. 462.60

32

R.M.	+ 893	H.I. 462.60	453.67			
S.W. Q.P. El Cajon + Alice	E.L. Alice = 0 = 00					
S		12.0	450.6	N		456.4
☿		12.0	50.6	☿		56.4
N		12.3	50.3	N	1+75	56.7
		0+25		☿		57.9
N		11.8	50.8	S		57.5
☿		11.8	50.8		2+00	58.8
S		11.6	51.0	S		58.0
		0+50		☿		58.0
S		11.8	51.8	N		58.2
☿		11.0	51.6		2+25	58.6
N		11.2	51.4	N		58.4
		0+75		☿		58.3
N		10.0	52.6	S		58.2
☿		10.4	52.2		2+50	59.2
S		10.4	52.2	S		58.9
		1+00		☿		59.0
S		7.9	54.7	N		59.0
☿		7.9	54.7		2+75	59.6
N		7.4	55.2	N		59.5
		1+75		☿		59.3
N		6.9	55.7	S		59.3
☿		7.3	55.3		3+00	
S		7.4	55.2	S		59.3

Plotted 5-21-1939 G.M.T.

H.1.462.60

♀	34	459.2
N	33	59.3
	3+25	
N	34	59.2
♀	35	59.1
S	36	59.0
	3+50	
S	36	59.0
♀	38	58.8
N	39	58.7
	3+75	
N	43	58.3
♀	39	58.7
S	38	58.8
	4+00	
S	4.2	58.4
♀	4.3	58.3
N	4.7	57.9
	4+25	
N	5.3	57.3
♀	4.8	57.8
S	4.8	57.8
	4+50	
S	5.1	57.5
♀	5.4	57.2

H.1.462.60

33

N	56	457.0
	4+75	
N	6.3	56.3
♀	6.2	56.4
S	6.0	56.6
	5+00	
S	6.4	56.2
♀	6.5	56.1
N	6.8	55.8
	5+25	
N	7.1	55.5
♀	6.9	55.7
S	6.7	55.9
	5+50	
S	7.0	55.6
♀	7.0	55.6
N	7.2	55.4
	5+75	
N	7.3	55.3
♀	7.1	55.5
S	7.4	55.2
	6+00	
S	7.5	55.1
♀	7.7	54.9
N	7.7	54.9

H.I. 462.60

6+20 = W.L. Olive

N	7.7	454.9
♀	7.7	54.9
S	7.5	54.1
T.P.		- 2.36 455.24

+5.46

H.I. 460.70

E.L. Olive = 0+100

S	5.8	454.9
♀	6.0	54.7
N	6.1	54.6

0+25

N	6.3	54.4
♀	6.1	54.6
S	6.0	54.7

0+50

S	6.6	54.1
♀	6.6	54.1
N	6.8	53.9

0+75

N	7.0	53.7
♀	7.8	53.9
S	6.6	54.1

1+00

S	6.7	54.0
♀	7.0	53.7

H.I. 460.70

34

N	7.2	453.4
---	-----	-------

1+25

N	7.4	453.3
---	-----	-------

♀	7.1	453.6
---	-----	-------

S	6.5	54.2
---	-----	------

1+50

S	6.5	54.2
---	-----	------

♀	6.6	54.1
---	-----	------

N	7.2	53.4
---	-----	------

1+75

N	6.6	54.1
---	-----	------

♀	6.5	54.2
---	-----	------

S	6.3	54.4
---	-----	------

2+00

S	5.9	54.8
---	-----	------

♀	6.2	54.5
---	-----	------

N	6.3	54.4
---	-----	------

2+25

N	5.7	55.0
---	-----	------

♀	5.7	55.0
---	-----	------

S	5.5	55.2
---	-----	------

2+50

S	5.1	55.6
---	-----	------

♀	5.3	55.4
---	-----	------

N	5.5	55.2
---	-----	------

H.V. 460.70

2+75

N	54	55.3
E	52	55.5
S	4.4	56.3

3+00

S	4.0	56.7
E	4.6	56.1
N	4.8	55.9

3+25

N	4.9	56.0
E	4.5	56.2
S	4.3	56.4

3+50

S	4.2	56.5
E	4.4	56.3
N	4.7	56.0

3+75

N	4.0	56.7
E	3.7	57.0
S	3.5	57.2

4+00

S	3.1	57.6
E	3.2	57.5
N	3.3	57.4

4+25

N	1.9	58.8
---	-----	------

H.V. 460.70

35

E	2.2	458.5
---	-----	-------

S	2.6	58.1
---	-----	------

4+50

S	2.1	58.6
---	-----	------

E	2.1	58.6
---	-----	------

N	1.7	59.0
---	-----	------

4+75

N	1.7	59.0
---	-----	------

E	1.6	59.1
---	-----	------

S	1.8	58.9
---	-----	------

5+00

S	1.6	59.1
---	-----	------

E	1.6	59.1
---	-----	------

N	1.8	58.9
---	-----	------

5+25

N	1.5	59.2
---	-----	------

E	1.8	58.9
---	-----	------

S	2.0	58.7
---	-----	------

5+50

S	2.1	58.6
---	-----	------

E	1.8	58.9
---	-----	------

N	1.8	58.9
---	-----	------

5+75

N	1.5	59.2
---	-----	------

E	1.5	59.2
---	-----	------

H.I. 46070

J 1.6 459.1

6+00

J 2.4 58.3

♀ 1.7 59.0

N 1.5 59.2

6+15

N 1.0 59.7

♀ 0.6 60.1

J 0.0 59.8

6+20 = W.L. Victoria

J 1.9 58.8

♀ 1.3 59.4

N 1.1 59.6

J.P. <sup>S.W.</sup> Nails in Pale valley Victoria - 0.55 - 46014

+6.37

H.I. 466.51

E.L. Victoria = 0+00

N 7.3 459.2

♀ 7.1 59.4

J 7.5 59.0

0+25

J 7.5 59.0

♀ 7.4 59.1

N 7.0 59.5

H.I. 466.51

36

0+50

6.9 459.6

6.9 459.6

7.0 459.5

0+75

7.1 59.4

7.1 59.4

6.9 59.6

1+00

6.9 59.6

7.1 59.4

2.0 59.5

1+50

6.6 59.9

6.6 59.9

6.5 60.2

2+00

6.8 59.7

6.9 59.6

7.0 59.5

2+50

6.3 60.2

6.3 60.2

6.1 60.4

3+00

5.5 61.0

H.I. 466.51

£	57	460.8	N
S	56	609	£
	2+50		S
S	50	61.5	
£	50	61.5	S
N	4.9	61.6	£
	4+00		N
N	3.4	631	
£	3.6	629	N
S	3.6	629	£
	4+50		S
S	2.5	64.0	
£	2.3	64.2	S
N	2.0	64.5	£
	5+00		N
N	0.9	65.6	
£	1.3	65.2	N Tap
S	1.3	65.2	G
T.P		-0.6 465.85	£

+ 8.36

H.I. 474.21

S	8.6	65.6	
£	8.5	65.7	S
N	8.0	66.2	£
			N

5+20

West Gutter Lois

H.I. 474.21

37

5+2.5

	7.1	467.1	
	7.4	66.8	
	7.1	67.1	
	5+50		
	6.9	67.3	
	6.6	67.6	
	6.4	67.8	
	5+7.5		
	5.5	68.7	
	5.6	68.6	
	5.6	68.6	
	6+00		
	4.9	69.3	
	4.9	69.3	
	4.9	69.3	
	6+20 = W.L. Lois - Paved		
	4.20	470.01	
	4.95	469.26	
	5.59	468.62	
	5.62	68.59	
	5.40	68.81	
	6.13	68.08	
	5.80	68.41	
	5.50	69.71	



H.I. 474.21

H.I. 474.21

38

			Corrective			
B.M. S.W.B.P. El Cajon	7 x Lois	-1005	464.16 Error of 4	£	4.1	470.1
	East Gutter Lois			N	4.2	70.0
N		5.05	469.16			1425
£		538	68.83	N	3.7	70.5
S		576	68.45	£	3.5	70.7
	El. Lois -0+00			S	4.0	70.2
S Tprob		4.85	69.36			1450
£		515	69.06	S	2.9	71.3
£		505	69.16	£	2.3	71.9
G		440	69.81	N	2.5	71.7
N Tprob		414	70.07			1475
	0+25			N	1.1	73.1
N		54	68.8	£	0.7	73.5
£		54	68.8	S	1.0	73.2
S		59	68.3	T.P.		-0.14 474.07
	0+50				9.12	H.I. 483.19
S		58	68.9		2+00	
£		54	68.8	S	8.5	474.7
N		53	68.9	£	8.0	75.2
	0+75			N	8.7	74.5
N		51	69.1			2425
£		49	69.3	N	7.5	75.7
S		54	68.8	£	7.2	76.0
	1+00			S	7.1	76.1
S		4.2	70.0			

H.I. 483.19

2+50

S	6.3	476.9
☿	6.1	477.1
N	6.1	77.1

2+75

N	5.2	78.0
☿	5.0	78.2
S	5.0	78.2

3+00

S	4.4	78.8
☿	4.6	78.6
N	4.6	78.6

3+25

N	4.6	78.6
☿	4.4	78.8
S	4.7	78.5

3+20

☿ 8' Garage 1' Back S.L. Ant Elev	4.7	78.5
-----------------------------------	-----	------

3+50

S	5.1	78.1
☿	4.5	78.7
N	4.7	78.5

3+75

N	5.1	78.1
☿	4.9	78.3
S	5.1	78.1

H.I. 483.19

39

4+00

S	5.8	477.4
☿	5.3	77.9
N	5.7	77.5

4+25

N	6.0	77.2
☿	5.5	77.7
S	5.6	77.6

4+50

S	6.1	77.1
☿	5.6	77.6
N	6.0	77.2

4+75

N	5.9	77.3
☿	5.5	77.7
S	5.5	77.7

5+00

S	4.8	78.4
☿	4.5	78.7
N	4.6	78.6

5+25

N	3.6	79.6
☿	3.7	79.5
S	4.2	79.0

5+50

S	3.3	79.9
---	-----	------

H.I. 483.19

♀	2.6	480.6	
N	2.8	80.4	
	5+7.5		
N	2.4	80.8	
♀	2.1	81.1	
S	2.8	80.9	
	6+00		
S	2.0	81.2	
♀	1.5	81.7	
N	1.5	81.7	
	6+200 W.L. Helen		
N	0.5	82.7	
♀	0.7	82.5	
S	1.2	82.0	
T.P.		-0.18	483.01
	+3.28		H.I. 486.29
	E.L. Helen = 0+00		
S	4.3	482.0	
♀	4.0	82.3	
N	2.6	82.7	
	0+2.5		
N	4.8	81.5	
♀	5.2	81.1	
S	5.5	80.8	

H.I. 486.29

40

	0+50		
	54	480.9	
♀	5.4	480.9	
N	5.4	80.9	
	0+42		
	12" Mulberry tree on E. Alley		
	0+7.5		
N	5.4	80.9	
♀	5.9	80.4	
S	6.0	80.3	
	1400		
S	5.8	80.5	
♀	5.6	80.7	
N	5.4	80.9	
	1425		
N	5.0	81.3	
♀	5.1	81.2	
S	5.1	81.2	
	1450		
S	4.1	82.2	
♀	4.0	82.3	
N	3.9	82.4	
	1475		
N	2.7	83.6	
♀	2.8	83.5	
S	2.8	83.5	

H.I. 486.29

H.I. 496.81

41

T.P.

-278 483.51

N

3+25

5.2 491.6

+13.30

E

5.5 91.3

496.8

H.I. 496.81

S

5.7 91.1

2+00

3+50

S

11.2 485.6

S

5.5 91.3

E

11.4 85.4

E

5.5 91.3

N

11.3 85.5

N

5.0 91.8

2+25

3+75

N

9.2 87.6

N

5.2 91.6

E

9.2 87.6

E

5.7 91.1

S

9.2 87.6

S

5.8 91.0

2+50

4+00

S

7.5 89.3

S

5.7 91.1

E

7.3 89.5

E

5.7 91.1

N

7.2 89.6

N

5.5 91.3

2+65 to 2+87

4+20 to 4+50

Shed 17' in Alley from S.W.

Shed 18.5' in Alley from S.W.

2+75

4+20

N

5.6 91.2

N

5.7 91.1

E - under shed - estimated

5.6 91.2

E

5.9 90.9

S " " "

5.6 91.2

S

6.0 90.8

3+00

4+50

S

5.9 90.9

S

6.4 90.4

E

5.8 91.0

E

6.1 90.7

N

5.6 91.2

N

5.9 90.9

H.I. 496.81

4+75

N	6.0	490.8
☿	6.5	90.3
S	6.5	90.3

4+9200

18" Pepper 8' in alley from S.L.

5+00

S	7.0	89.8
☿	7.1	89.7
N	6.5	90.3

5+25

N	6.8	90.0
☿	6.6	90.2
S	6.8	90.0

5+50

S	7.3	89.5
☿	7.0	89.8
N	6.9	89.9

5+75

N	6.9	89.9
☿	7.1	89.7
S	7.5	89.3

6+00

S	7.0	89.8
☿	6.4	90.4
N	6.2	90.6

H.I. 496.81

42

6+20 = W.L. Dora

N	5.6	91.2
☿	6.2	90.6
S	6.5	90.3

E.L. Dora = 0+00

S	6.9	89.9
☿	6.0	90.8
N	5.2	91.6

T.P.

-1.76 49505

+1.31

H.I. 496.36

0+25

N	5.8	490.6
☿	5.9	90.5
S	6.3	90.1

0+50

S	7.7	88.7
☿	7.1	89.3
N	7.0	89.9

0+75

N	7.4	89.0
☿	7.5	88.9
S	8.1	88.3

1+00

S	8.0	88.4
☿	7.4	89.0

H.I. 496.36

N	7.4	89.0
	1+25	
N	6.9	89.5
♀	7.4	89.0
S	7.5	88.9
	1+50	
S	7.0	89.4
♀	6.8	89.6
N	6.4	90.0
	1+75	
N	6.1	90.3
♀	6.7	89.7
S	7.6	88.8
	2+00	
S	7.2	89.2
♀	6.0	90.4
N	5.5	90.9
	2+25	
N	5.2	91.2
♀	6.0	90.4
S	6.8	89.6
	2+50	
S	6.5	89.9
♀	5.8	90.6
N	5.1	91.3

H.I. 496.36

43

2+75

N	4.6	491.8
♀	5.6	90.8
S	6.3	90.1
	3+00	
S	6.5	89.9
♀	5.4	91.0
N	4.8	91.6
	3+25	
N	4.4	92.0
♀	5.4	91.0
S	6.3	90.1
	3+50	
S	6.4	90.0
♀	5.4	91.0
N	4.8	91.6
	3+75	
N	4.8	91.6
♀	5.6	90.8
S	6.6	89.8
	4+00	
S	6.9	89.5
♀	5.7	90.7
N	4.8	91.6
	4+25	
N	5.3	91.1

H.I. 496.36

♀	6.4	490.0
♂	7.8	89.6
4+50		
♂	8.3	88.1
♀	7.2	89.2
N	5.8	90.6
4+75		
N	7.2	89.2
♀	7.7	88.7
♂	9.2	87.2
5+100		
♂	9.7	86.7
♀	8.4	88.0
N	7.6	88.8
5+25		
N	8.4	88.0
♀	9.0	87.4
♂	10.1	86.3
5+50		
♂	10.5	85.9
♀	9.1	87.3
N	8.5	87.9
5+75		
N	9.7	86.7
♀	10.1	86.3

H.I. 496.36

44

♂	10.6	485.8
6+100		
♂	10.3	86.1
♀	9.9	86.5
N	9.3	87.1
6+70 = W.L. = Isabella		
N	9.0	87.4
♀	9.5	86.9
♂	9.8	86.6
T.P.		
-10.19 486.17		
+1.00 487.17		
B.M.S.W.B.P. El Cajon + Dora		
		-6.81 480.36
		Correct 480.29
		Error 0.07

5-3-29

J.C. Bliss  
Drebert  
RavnerX-section Alley between Santiago  
& Vista from Isabella to Victoria  
20' Wide

H.I. 498.30

45

B.N. S.W. Nails in Pole Isabella &amp; Vista

474.55

♀

6.9

91.4

+11.65

S

6.7

91.6

H.I. 486.20

1+25

W.V. Isabella = 0+00

S

2.1

96.2

N

8.0

478.2

♀

2.9

95.4

♀

8.3

77.9

N

3.1

95.2

S

7.5

78.7

T.P.

-0.06

498.24

0+2.5

+12.09

♀

5.0

81.2

H.I. 510.33

T.P.

5.1

81.1

1+50

N

5.1

81.1

N

9.4

500.9

0+50

N

1.5

84.7

♀

9.0

501.3

♀

1.7

84.5

S

8.6

501.7

S

1.6

84.6

S

3.4

506.9

T.P.

-0.04

486.16

♀

3.6

506.7

+12.14

N

4.2

506.1

H.I. 498.30

2+00

0+75

S

10.5

487.8

N

0.4

509.9

♀

10.7

87.6

♀

0.0

510.3

N

10.4

87.9

S

+0.5

510.8

0+95

+12.80

-0.35

509.98

♀ 15' Double Garage 2' Back N.E. Dist Floor 7.6

490.7

H.I. 522.78

+00

2+25

N

7.2

491.1

S

6.8

516.0



H.I. 522.78

\$	2.5	5153
N	8.1	516.7
	24.50	
N	2.5	520.3
\$	1.5	213
S	0.0	22.8
T.P.		-0.34 522.44

+ 8.29

H.I. 530.73

	24.80	
S	3.9	527.0
\$	3.4	527.3
N	3.4	273
	34.05	
N	2.8	279
\$	3.0	277
S	3.5	272
	34.25	
S	3.5	272
\$	2.9	278
N	3.3	274
	34.50	
N	3.2	275
\$	2.8	279
S	3.0	277

H.I. 530.73

46

34.75

S	4.0	526.7
\$	3.6	271
N	3.8	26.9
	44.00	
N	4.2	26.0
\$	4.3	26.4
S	4.7	26.0
	44.25	
S	5.8	24.9
\$	5.0	25.7
N	5.5	25.2
	44.50	
N	6.4	24.3
\$	6.1	24.6
S	7.3	23.4
	44.75	
S	8.5	22.2
\$	7.0	23.7
N	7.3	23.4
	54.00	
N	8.2	22.5
\$	7.8	22.9
S	7.5	21.2
	54.25	
S	9.5	21.2

H.I. 530.73

♀	83	522.4	S
N	86	22.1	
	5+50		
N	8.5	22.2	+7
♀	8.0	22.7	♀
S	9.0	21.7	N
	5+75		
S	9.3	21.4	N
♀	8.3	22.4	♀
N	8.2	22.5	+3
	6+00		S
N	8.3	22.4	
♀	8.3	22.4	S
S	8.2	22.5	♀
	6+20 = F.L. Dove		N
S	8.8	21.9	
♀	8.4	22.3	N
N	8.2	22.5	♀
	B.M. Nails in Pale-SE Alley + Dove	-6.17	524.56 +3
	+3.96	Correct	524.53 S

H.I. 528.52

			S
	W.L. Dove = 0+00		
N	65	522.0	+3
♀	6.7	22.3	♀
+3	7.0	21.5	+4

H.I. 528.52

47

	8.7	519.8	
	0+25		
	9.3	19.2	
	7.1	21.4	
	6.9	21.6	
	7.0	21.5	
	0+50		
	7.0	21.5	
	7.0	21.5	
	7.8	20.7	
	10.0	18.5	
	0+75		
	10.5	18.0	
	7.1	21.4	
	7.4	21.1	
	1+00		
	7.4	21.1	
	7.1	21.4	
	7.0	21.5	
	9.4	19.1	

1+25

	8.4	20.1	
	7.2	21.3	
	7.5	21.0	
	7.9	20.6	

H.I. 528.52

+5	6.9	521.6
N	5.3	23.2
	1+50	
N	5.5	23.0
+5	6.6	21.9
+6	7.4	21.1
♀	7.3	21.2
J	7.0	21.5
	1+75	
J	6.8	21.7
♀	7.2	21.3
+3	7.1	21.4
+4	6.1	22.4
N	5.5	23.0
	2+00	
N	5.3	23.2
+5	5.9	22.6
+6	6.9	21.6
♀	6.9	21.6
J	6.7	21.8
	2+25	
S	6.9	21.6
♀	6.4	22.1
N	5.2	23.3
	2+50	
N	5.1	23.4

H.I. 528.52

48

	6.2	522.3
	7.2	21.3
	2+75	
	6.3	22.2
	5.7	22.8
	4.9	23.6
	3+00	
	4.5	24.0
	5.4	23.1
	6.0	22.5
	3+25	
	5.8	22.7
	5.0	23.5
	4.4	24.1
	3+50	
	4.5	24.0
	5.1	23.4
	5.5	23.0
	3+75	
	6.0	22.5
	5.2	23.3
	5.1	23.4
	4+00	
	6.0	22.5
	6.1	22.4

H.I. 528.52

S	6.5	522.0	
	4+25		
S	8.5	20.0	
♀	8.1	20.4	
N	7.9	20.6	
	4+50		
N	9.9	18.6	
♀	10.3	18.2	
S	10.6	17.9	
T.P. No. of	Second Pepper Tree	from W. end	-11.56 511.96
	+187		

H.I. 518.83

	4+75		
S	4.1	514.7	
♀	3.5	15.3	
N	3.1	15.7	
	5+00		
N	5.8	13.0	
♀	6.1	12.7	
S	7.3	11.5	
	5+25		
S	9.2	9.6	
+5	6.2	12.6	
♀	6.2	12.6	
N	6.4	12.4	

H.I. 518.83

49

5+50

N	5.7	513.1	
♀	6.0	12.8	
S	8.5	10.3	
	5+75		
S	7.2	11.6	
♀	6.0	12.8	
N	4.9	12.9	
	6+00		
N	4.7	14.1	
♀	5.6	13.2	
S	6.7	12.1	
	6+20 = F.L. Helon		
S	7.1	11.7	
♀	5.9	12.9	
N	4.8	14.0	
	W.L. Helon = 20+00		
N	4.8	14.0	
♀	5.4	13.4	
S	6.7	12.1	
	0+25		
S	6.8	12.0	
♀	6.0	12.8	
N	4.7	14.1	
	0+50		
N	5.0	13.8	

H.I. 518.83

£	66	518.2
S	87	510.1
	0425	
S	10.1	508.7
£	7.6	11.2
N	53.	13.5
	1400	
N	6.1	12.7
£	8.9	9.9
S	11.4	7.4
	1425	
S	12.9	5.9
£	9.5	9.3
N	7.0	11.8
	1450	
N	7.7	11.1
£	10.3	8.5
S	13.2	5.6
	1475	
S	13.3	5.5
£	10.7	8.1
N	8.0	10.8
	2400	
N	9.5	9.3
£	11.1	7.7

H.I. 518.83

50

S	13.1	505.7
T.P.		-12.72 506.08
	+1.69	
	H.I. 507.27	
	2425	
S	3.1	504.7
£	1.7	506.1
N	0.3	507.5
	2450	
N	2.5	505.3
£	3.1	504.7
S	3.7	504.1
	2475	
S	5.2	502.6
£	4.1	503.2
N	4.2	503.6
	3400	
N	7.3	500.5
£	7.6	500.2
S	7.6	500.2
	3425	
S	10.6	497.2
£	10.7	497.1
N	10.8	497.0

H.1.507.77

H.1482.75

4475

T.P. -12.85 494.92

482.8 1.6 481.2

+0.67

2.0 80.8

H.1.495.59

N 2.4 80.4

N

3750 2.0 493.6

5700

N

495.6 2.0 493.6

N 4.2 78.6

S

2.3 493.3

4.0 78.8

3725

S 4.1 78.7

S

5.6 90.0

5718

N

6.1 89.5

\$12 Garage 4' Back S.L. 5.2 77.6

N

6.2 89.4

5725

4400

S 5.8 77.0

N

9.0 86.6

6.2 76.6

N

8.5 87.1

N 6.1 76.7

S

8.5 87.1

5727

4725

\$10 Garage 7' Back N.L. Concrete Floor 6.00 76.75

S

10.5 85.1

5750

N

10.8 84.8

N 8.1 74.7

N

11.1 84.5

8.1 74.7

4750

S 7.6 75.2

N

13.0 82.6

5775

N

12.7 82.9

S 8.7 74.1

S

12.8 82.8

9.8 73.0

T.P.

-12.97 482.62

N 9.9 72.9

+0.13 482.75

H.I. 482.75

5+85

3' Concrete Walk - 4' in Alley from S.L.

Shot on Walk at SL 8.96 473.79

6+00

N 482.8 11.3 471.5

E 11.1 71.7

S 9.6 73.2

6+12

S 10.1 72.7

E 12.3 70.5

N 10.1 72.7

6+20 = E.L. Leis - Paved

N Tprob 13.35 469.40

E 13.61 469.14

E 13.10 469.65

E 12.14 470.61

S Tprob 11.82 470.93

East Gutter Leis

S 12.67 470.08

E 13.30 469.45

N 13.88 468.87

West Gutter Leis

N 13.26 468.99

E 13.28 469.47

S 12.73 470.02

H.I. 482.75

52

W.L. Leis = 0+00

S Tprob 11.91 470.84

E 12.14 470.61

E 12.93 469.82

E 13.23 469.52

N Tprob 13.20 469.75

0+05

N 482.8 9.9 472.9

E 9.4 473.9

S 8.7 474.1

0+25

S 8.6 474.2

E 8.6 474.2

N 8.9 473.9

0+50

N 8.1 474.7

E 8.1 474.7

S - 8' Garage - Dirt Floor 8.1 474.7

0+75

S 7.1 475.7

E 7.2 475.6

N 7.4 475.4

1+00

N 6.9 475.9

E 7.1 475.7

S 6.5 476.3

H.I. 482.75

T.P.

-7.30 475.45

E

+2.44

S

H.I. 479.89

1+25

S

S

(479.9)

4.6 475.3

E

E

4.8 75.1

N

N

5.0 74.9

2+25

5.7 74.2

5.8 74.1

6.0 73.9

1+50

N

N

4.5 75.4

E

E

4.2 75.7

S

S

4.0 75.9

3+00

5.9 74.0

5.8 74.1

5.6 74.3

1+75

S

S

3.5 76.4

E

E

4.2 75.7

N

N

4.1 75.8

3+25

6.0 73.9

5.9 74.0

5.9 74.0

2+00

N

N

4.4 75.5

E

E

4.4 75.5

S

S

4.0 75.9

3+50

6.4 73.5

6.6 73.3

6.5 73.4

2+25

S

S

4.4 75.5

E

E

4.4 75.5

N

N

4.6 75.3

3+75

6.9 73.0

6.9 73.0

7.2 72.9

2+50

N

N

5.6 74.3

E

4+00

7.0 72.9

7.1 72.8

53

H.I. 479.89



H.I. 47989

S	7.1	472.8
	4425	
S	7.0	72.9
Φ	6.8	73.1
N	6.8	73.1
	4450	
N	6.2	73.7
Φ	6.4	73.5
S	6.8	73.1
	4475	
S	6.9	73.0
Φ	6.2	73.7
N	6.0	73.9
	5400	
N	6.6	73.3
Φ	6.8	73.1
S	7.0	72.9
	5425	
S	8.6	71.3
Φ	8.4	71.5
N	8.3	71.6
	5450	
N	11.3	68.6
Φ	11.3	68.6
S	11.0	68.9

H.I. 47989

54

T.P.	-11.91	467.98
	+2.47	
	H.I. 470.45	
	5475	
S	4.4	466.0
Φ	4.4	66.0
N	4.4	66.0
	6400	
N	7.2	63.2
Φ	7.1	63.3
S	7.1	63.3
	6420 = E.L. Victoria	
S	8.6	61.8
Φ	8.8	61.6
N	9.1	61.3
	B.M. SW. Naik in Pale Victoria	-12.02 458.43
		Correct 458.43
		Error 0.00
	Alley from Victoria to Olive - <sup>Closed</sup> School Grounds	
	" " Olive to Alice - Closed -	



H.1. 169.58

cb	1.3	1683
♀	1.5	1681
cb	2.7	1667
W	3.3	1663

0+25

W	2.7	1669
cb	2.5	1671
♀	2.6	1670
cb	2.6	1670
E	2.6	1670

0+50

E	3.3	1663
cb	3.4	1662
♀	3.5	1661
cb	3.2	1664
W	3.1	1665

0+75

W	5.1	1645
cb	5.1	1645
♀	5.2	1644
cb	5.4	1642
E	5.0	1646

1+00

E	9.3	160.3
cb	9.4	160.2

H.1 169.58

56

♀	9.7	159.9
cb	9.7	159.9
W	9.4	160.2
T.P.		13.36
		156.22

+0.30

H.1. 156.52

1+25

W	1.4	155.1
cb	1.3	155.2
♀	1.0	155.5
cb	1.0	155.5
E	0.7	155.8

1+50

E	4.5	152.0
cb	4.6	151.9
♀	4.7	151.8
cb	5.2	151.3
W	5.7	150.8

1+75

W	8.8	147.7
cb	8.7	147.8
♀	7.7	148.8
cb	7.5	149.0
E	7.8	148.7

154.52

2+00

E	10.8	145.7
cb	11.1	145.4
♀	12.4	144.1
cb	12.2	144.3
W	12.6	143.9

2+20 = ~~5~~ L. B.

W	15.3	141.2
cb	15.4	141.1
♀	16.1	140.4
cb	14.8	141.7
E	14.0	142.5

B.M. S.W. Prop. Hub. B. + Quail - 152.8 141.24

Correct 141.24

B.M. N.W. Prop. Hub. Quail + C 166.28

± 10.97

H. 177.25

N.L. C. ST - 60' wide 10' obs 10' 1/4 S

E	11.3	166.0
cb	11.5	165.8
1/4	11.8	165.5
♀	10.9	166.4
1/4	10.2	167.1
cb	11.1	166.2
W	12.7	164.6

H. 177.25

57

N° cb° C

W	177.3	11.7	165.6
cb		11.2	166.1
1/4		11.2	166.1
♀		11.3	166.0
1/4		11.4	165.9
cb		11.1	166.2
E		11.0	166.3

N 1/4 C

E		10.2	166.1
cb		10.5	166.8
1/4		11.1	166.2
♀		10.8	166.5
1/4		10.9	166.4
cb		10.7	166.6
W		11.4	165.9

♀ C

W		11.3	166.0
cb		10.8	166.5
1/4		10.6	166.7
♀		10.5	166.8
1/4		10.4	166.9
cb		9.7	167.6
E		9.0	168.3

S 1/4 C

E		9.1	168.2
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H.I. 17725

cb	9.4	1679
1/4	10.2	1671
♀	10.5	1668
1/4	11.0	1663
cb	11.1	1662
W	11.4	1659

S cb C

W	11.2	1661
cb	11.2	1661
1/4	10.8	1665
♀	10.5	1668
1/4	10.3	1670
cb	9.6	1677
E	9.2	1681

S.L. C = 2799.55

E	9.4	1679
cb	10.0	1673
1/4	10.0	1673
♀	10.0	1673
1/4	9.7	1676
cb	10.2	1671
W	11.2	1661

2775

W	9.1	1682
cb	8.5	1688

H.I. 17725

58

1/4	8.3	1690
E	8.5	1688
1/4	8.8	1685
cb	8.4	1689
E	6.9	1704

2750

E	2.1	1702
cb	7.5	1698
1/4	7.3	1700
♀	6.9	1704
1/4	7.0	1703
cb	6.8	1705
W	7.0	1703

2725

W	5.1	1722
cb	4.6	1727
1/4	4.5	1728
♀	4.7	1726
1/4	5.1	1722
cb	5.0	1723
E	5.1	1722

2700

E	3.8	1735
cb	3.9	1734
1/4	4.1	1732

H.I. 177.25

♀	3.7	173.6	W
1/4	3.5	173.8	cb
cb	3.5	173.8	1/4
W	3.4	173.9	♀
177.5			
W	0.6	176.7	cb
+3	0.7	176.6	E
cb	1.5	175.8	
1/4	1.5	175.8	E
♀	1.6	175.7	cb
1/4	1.9	175.4	1/4
cb	1.0	176.3	♀
E	1.5	175.8	1/4
T.P.		-0.89 176.36	cb

+3.46

179.82

175.0

E	3.6	176.2
cb	3.5	176.3
1/4	3.6	176.2
♀	3.2	176.6
1/4	2.9	176.9
cb	2.7	177.1
W	2.0	177.8

H.I. 179.82

59

177.5

	2.4	177.4
	2.6	177.2
	2.6	177.2
	2.7	177.1
	2.5	177.3
	1.7	178.1
	1.7	178.1
170.0		
	1.8	178.0
	1.8	178.0
	2.0	177.8
	1.9	177.9
	1.8	178.0
	1.9	177.9
	1.8	178.0

077.5

W	2.4	177.4
cb	2.2	177.6
1/4	2.3	177.5
♀	2.3	177.5
1/4	2.2	177.6
cb	2.1	177.7
E	2.3	177.5
075.0		
E	2.7	177.1

H.I. 17982

cb	1.5	1783
1/4	1.8	1780
♀	1.8	1780
1/4	2.1	1777
cb	2.3	1775
W	1.4	1784

o+v5

W	2.9	1769
cb	3.3	1765
1/4	3.0	1768
♀	2.6	1772
1/4	2.4	1774
cb	1.9	1779
+5	1.5	1783
E	2.4	1774

o+v00 = N.H. Broadway -

80' wide  
14' cbs 13' 1/2

E	3.8	1760
cb	3.8	1760
1/4	3.9	1759
♀	4.0	1758
1/4	3.6	1762
cb	3.1	1767
#5	2.8	1770
+6	2.1	1777
W	1.9	1779

H.I. 17982

60

N cb

W	3.6	1762
cb	3.7	1761
1/4	3.9	1759
♀	3.9	1759
1/4	3.8	1760
cb	4.0	1758
E	4.3	1755

N 1/4

E	4.5	1753
cb	4.0	1758
1/4	3.8	1760
♀	3.7	1761
1/4	4.3	1755
cb	4.6	1752
W	4.4	1754

♀

W	4.9	1749
cb	4.7	1751
1/4	4.6	1752
♀	4.3	1755
1/4	4.7	1756
cb	4.5	1753
E	4.9	1749

S 1/4

E	5.2	1746
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H.I. 17982

cb	50	1748
1/4	4.9	1749
♀	5.1	1747
1/4	5.1	1747
cb	5.2	1746
W	4.8	1750

S. cb

W	5.1	1747
cb	5.2	1746
1/4	5.4	1744
♀	5.5	1743
1/4	5.4	1744
cb	5.2	1746
E	5.4	1744

S.E. Broadway = 2+28.80

E	5.6	1742
cb	5.7	1741
1/4	5.9	1739
♀	6.0	1738
1/4	5.7	1741
cb	5.6	1742
W	5.0	1748

2+00

W	6.1	1737
cb	5.4	1744

H.I. 17982

61

1/4	5.1	1747
♀	5.2	1746
1/4	5.6	1742
cb	5.1	1749
E	5.0	1748
B.M. S.E. Hub Quail + Broadway	-4.47	175.35

Corrected 175.37

1725

E	5.0	1748
cb	5.9	1739
1/4	5.8	1740
♀	5.5	1743
1/4	5.6	1742
cb	6.1	1737
W	6.7	1731

1750

W	6.6	1732
cb	6.2	1736
1/4	6.0	1738
♀	6.0	1738
1/4	6.1	1737
cb	5.7	1741
E	5.1	1747

1725

E	4.6	175.2
---	-----	-------



H.I. 17982

cb	53	1745
1/4	59	1739
¢	59	1739
1/4	58	1740
cb	57	1741
w	57	1741

1+00

w	68	1730
cb	68	1730
1/4	65	1733
¢	61	1737
1/4	54	1744
cb	52	1746
E	51	1747

0+75

E	54	1744
cb	56	1742
1/4	59	1739
¢	65	1733
1/4	68	1730
cb	7.2	1726
w	69	1729

0+50

w	7.2	1726
cb	7.4	1724

H.I. 17982

62

1/4	7.5	1723
¢	6.9	1729
1/4	67	1731
cb	64	1734
E	64	1734

0+25

E	61	1737
cb	64	1734
1/4	69	1729
¢	7.3	1725
1/4	7.5	1723
cb	8.0	1718
w	80	1718

0+00 = N.L. Hill Top Drive

w	68	1730
cb	7.2	1726
1/4	7.6	1722
¢	7.2	1726
1/4	6.9	1729
cb	6.1	1737
E	58	1740

B.M. N.E. HUB Hill Top x Quail 5.71 174.11

+10.65 184.76

B.M. S.W. Spike in Pole 40' to Hill Top -1.89 182.87

Correct 182.87

		6-12-29		X-section F St. - Quail to Raven			
		J. C. Bliss Drebert Ravner		50' wide - 5' cbs - 10' 1/2			
		179.67					
B.M.		182.87		B.M. S.W. spike in Pole 40 <sup>th</sup> & F		149.90	
	+ 0.46	183.33		410.43			
T.P.			-12.81	170.52		H. 160.33	
	+ 0.58	171.10				W. 1/2 Raven = 100	
T.P.			12.75	158.35	N	160.3	6.6
	+ 0.43	158.78			cb		7.4
B.M. S.W. Spike in Pole	40 <sup>th</sup> & F	8.88		149.90	1/4		7.8
	Across Bench Rock	149.87			1/2		5.2
					+3		2.2
					1/4		2.0
					cb		1.8
					S		1.9
						0+25	
					S		1.2
					cb		1.1
					1/4		0.8
					1/2		0.8
					1/4		4.9
					+5		6.8
					1/4		6.7
					cb		6.5
					N		3.3
						0+50	
					N		3.2
					cb		5.4

Plotted 6-14-29 CBH

1/4	61	1542
£	51	1552
+3	1.5	158.8
1/4	18	158.5
cb	2.1	158.2
S	2.1	158.2
	0725	
S	2.7	156.6
cb	3.8	156.5
1/4	3.2	157.1
+7	3.0	157.3
£	3.6	154.7
1/4	5.6	154.7
cb	5.1	155.2
N	4.1	156.2
	1400	
N	4.5	155.8
cb	5.4	154.9
1/4	5.7	154.6
£	5.8	154.5
+5	5.0	155.3
9/4	5.2	155.1
cb	5.6	154.7
S	5.6	154.7

	1714	
£14' Garage 5' Back N.L. - Concrete Floor	3.80	156.53
	1725	
S	2.1	153.2
cb	2.0	153.3
1/4	6.5	153.8
£	6.0	154.3
1/4	5.8	154.5
cb	5.3	155.0
N	5.0	155.3
	1744	
£12' Garage 1.5' Back S.L. Dirt Floor	6.9	153.4
	1750	
N	6.2	154.1
cb	6.4	153.9
1/4	6.8	153.5
£	7.3	153.0
1/4	7.3	153.0
cb	7.5	152.8
S	7.5	152.8
	1775	
S	7.5	152.8
cb	7.5	152.8
1/4	7.5	152.8
+5	7.2	153.1
£	7.9	152.4

1/4	7.7	1526
cb	7.2	1531
+3	7.0	1533
N	6.3	1540
	2+00	
N	7.5	1528
cb	8.3	1520
9/4	9.1	1512
£	8.7	1516
+5	7.0	1533
1/4	7.5	1528
cb	7.5	1528
S	7.5	1528
	2+75	
S	7.2	1526
cb	7.6	1527
1/4	7.6	1527
+5	7.2	1531
£	8.7	1516
+5	9.5	1508
1/4	9.7	1506
cb	9.1	1512
N	8.3	1520

2+50

N	8.6	1517
cb	9.9	1504
1/4	10.1	1502
+7	10.2	1501
£	9.6	1507
+4	7.3	1530
1/4	7.9	1524
cb	8.0	1523
S	7.8	1525
	2+64.72 = EL 40 <sup>14</sup> 60'w. of 10' cbs 10' 1/45	
S	8.6	1517
cb	8.9	1514
1/4	8.2	1521
+5	8.1	1522
£	10.2	1501
1/4	10.3	1500
cb	10.0	1503
N	9.9	1504
	E cb 40 <sup>14</sup>	
N	10.0	1503
cb	10.1	1502
1/4	10.3	1500
£	10.6	1497
+7	8.3	1520
1/4	8.5	1518

H.I. 160.33

cb	7.7	150 6
S	7.8	150 5
E 1/4		
S	10.6	149 7
cb	10.5	149 8
1/4	10.3	150 0
£	10.2	150 1
1/4	9.8	150 5
cb	9.6	150 7
N	9.8	150 5
£		
N	9.8	150 5
cb	9.8	150 5
1/4	10.0	150 3
£	10.4	149 9
1/4	10.6	149 7
cb	10.9	149 4
S	11.0	149 3
W 1/4		
S	10.8	149 5
cb	10.8	149 5
1/4	10.6	149 7
£	10.6	149 7
1/4	10.6	149 7
cb	10.4	149 9

H.I. 160.33

F 54 66

N	10.3	150 0
W cb		149 5
N	10.8	149 5
cb	11.0	149 3
1/4	11.5	148 8
£	11.6	148 7
1/4	11.4	148 9
cb	11.7	148 6
S	11.8	148 5
W.L. 40 <sup>th</sup> = 400		
S	12.6	147 7
cb	12.5	147 8
1/4	12.1	148 2
£	11.9	148 4
1/4	11.8	148 5
cb	11.5	148 8
N	11.5	148 8
B.M. S.W. Spike in Pole 40 <sup>th</sup> W.F.		-10.43 149.90
+ 0.36	150.26	
H.I. 150.26		
0+2.5		
N	1.9	148 4
cb	2.1	148 2
1/4	2.5	147 8
£	2.5	147 8

H.I. 150.26

45	2.9	1477
1/4	3.9	1464
cb	4.4	1459
S	4.6	1457
	0+50	
S	5.8	1445
cb	5.6	1447
1/4	5.1	1452
44	4.9	1454
¢	3.2	1471
1/4	2.8	1475
cb	2.9	1474
N	2.8	1475
	0+75	
N	3.3	1470
cb	3.5	1468
1/4	3.6	1467
¢	3.8	1465
46	5.5	1448
1/4	6.0	1443
cb	6.2	1441
S	6.5	1438
	1400	
S	7.4	1429
cb	6.7	1436

H.I. 150.26

F 57

67

1/4	6.1	1442
44	5.7	1446
¢	4.3	1460
1/4	4.3	1460
cb	4.2	1461
N	4.0	1463
	1+25	
N	4.4	1459
cb	4.5	1458
1/4	4.6	1457
¢	4.9	1454
46	6.4	1439
1/4	7.0	1433
cb	7.6	1427
S	8.0	1423
	1431-¢ F. Sewer M.H.	
	Flow line	17.08
	1450	136.18
S	9.5	1408
cb	9.1	1412
1/4	8.5	1418
46	5.6	1447
¢	5.3	1450
1/4	5.3	1450
cb	5.1	1452

H. 1 150.26

N	5.1	145 R
	1775	
N	5.5	144 B
cb	5.5	144 B
1/4	5.6	144 7
♀	5.7	144 6
73	5.9	144 4
1/4	8.3	142 0
cb	9.2	141 1
S	9.3	141 0
	2400	
S	9.5	140 B
cb	9.1	141 R
1/4	8.4	141 9
46	6.2	144 1
♀	6.1	144 R
1/4	5.9	144 4
cb	5.9	144 4
N	5.9	144 4
	2455	
N	5.6	144 7
cb	5.9	144 4
1/4	6.2	144 1
♀	6.4	143 9
+5	6.0	144 3

H. 1 150.26

F 54.

68

1/4	7.2	143 1
cb	8.3	142 0
S	8.5	141 B
	2450	
S	7.1	143 B
cb	7.0	143 3
1/4	6.8	143 5
♀	6.8	143 5
1/4	6.5	143 B
cb	6.4	143 9
N	6.3	144 0
	2464 9V = F.L. Quail	
N	6.5	143 B
cb	6.6	143 7
1/4	7.2	143 1
♀	7.2	143 1
+5	5.8	144 5
1/4	5.8	144 5
cb	6.3	144 0
S	6.5	143 8

6-12-29  
 J.C. Bliss  
 Robert  
 Raven

X-section Langley St. Island to K  
 60' wide 10' cbs 10' / 45

H.I. 112.21

69

B.M. N.W.B.P. 27<sup>th</sup> + K

102.99

+0.96

H.I. 103.95

H.L. K = 0+00 - on existing paving

w	5.8	98.2
cb	6.71	97.24
G	7.45	96.50
1/4	7.13	96.82
¢	7.10	96.85
1/4	7.65	96.30
G	8.43	95.52
cb	7.87	96.08
E-Base 3' retaining wall	7.5	96.5

-4.89 99.06

+13.15

H.I. 112.21

0+25

E-Base 3' Wall	12.7	99.5
cb	13.3	98.9
1/4	13.2	99.0
¢	13.0	99.2
1/4	13.0	99.2
+6	12.9	99.3
cb	12.2	100.0
+7	12.0	100.2

Plotted 6-15-29  
 CBH.

w

w

+3

cb

+4

1/4

¢

1/4

cb

E-Base 3' Wall

E-Base 4' Wall

cb

1/4

¢

1/4

+5

cb

+7

w

1/4

w

+3

cb

10.4

0+50

7.5

8.6

9.1

10.1

10.2

10.4

10.6

10.2

10.0

0+75

6.6

7.0

7.3

7.3

7.0

7.1

6.0

5.3

3.3

1+00

1.5

2.9

3.0

101.8

104.7

103.6

103.1

102.1

102.0

101.8

101.6

102.0

102.2

105.6

105.2

104.9

104.9

105.2

105.1

106.2

106.9

108.9

110.7

109.3

109.2



H.I. 112.21

45	4.0	108.2	N-Base II Cobble Wall
1/4	4.2	108.0	cb
♀	4.2	108.0	+5.
1/4	4.7	107.5	1/4
cb	4.4	107.8	♀
E	4.2	108.0	1/4

0.94 = 12' Garage at E.A.

North edge concrete floor	4.32	107.89	1/4
South " " "	4.25	107.46	E

117.5

T.P. -0.94 111.27 E

+12.96

H.I. 124.23

112.5

E	11.1	113.1	♀
+3	12.8	111.4	1/4
cb	13.5	110.9	cb
1/4	13.2	111.0	W-Base Cobble Wall
♀	13.0	111.2	
1/4	12.9	111.3	♀ 7' Concrete steps in Wall lower step - 1.96
cb	12.0	112.2	
+7	11.0	113.2	W-Base Cobble Wall
W	9.2	115.0	+5

H.I. 124.23

115.0

70

7.7	116.5	✓
8.5	115.7	
9.6	114.6	
9.8	114.4	
9.7	114.5	
10.3	113.9	
10.2	114.0	
10.0	114.2	
8.6	115.6	

117.5

5.8 118.4

+3 7.0 117.2

cb 7.1 117.1

1/4 7.2 117.0

♀ 6.7 117.5

1/4 6.7 117.5

cb 5.9 118.3

W-Base Cobble Wall 5.2 119.0 ✓

119.5

♀ 7' Concrete steps in Wall lower step - 1.96 122.27 ✓

2+00

W-Base Cobble Wall 8.7 123.5 ✓

+5 2.3 121.9

cb 2.7 121.5

+2 3.3 120.9

H.I. 124.23

Island

71

1/4	3.7	1205
¢	3.7	1205
1/4	4.0	1202
cb	4.3	1199
E	3.7	1205

2+25

E	0.0	1242
+3	0.8	1234
cb	0.9	1233
1/4	1.0	1232
¢	0.5	1237
1/4	0.8	1239
cb	0.4	1238
T.P.	0.23	-0.23 124.00

+12.91

H.I. 136.91

+6	121	1248
W	9.0	1279

2+50

W Base 6' Concrete Wall	8.2	1287 ✓
cb	9.5	1279
+5	10.5	1264
1/4	10.4	1265
¢	10.2	1267
1/4	10.5	1263

5+00

9' Concrete Wall

4+50

8' Cobble Wall

4+00

6' Concrete Wall

3+50

3+00

6' Concrete Wall

2+50

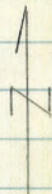
2+00

10' Cobble Wall

1+50

Langley

Walls on Langley



-0+88

4' Concrete Wall

+0+58

+0+53

3' Concrete Wall

N.L. K±0+00

K

5+

H.I. 136.91

cb	10.6	126.3	
E	10.1	126.8	
	2+46		
6' Concrete steps at E.L. lower step	10.55	126.36 ✓	
	2+75		
E	7.1	129.8	
cb	7.7	129.2	
1/4	7.7	129.2	
£	7.4	129.5	
1/4	7.4	129.5	
+5	7.5	129.4	
cb	6.5	130.4	
W-Base 6' Wall	5.6	131.3 ✓	
	2+97		
£ 5' Steps in Wall at W.L. lower step	2.56	134.35 ✓	
	3+00		
W-Base 6' Wall	2.9	134.0	
cb	3.8	133.1	
+5	4.8	132.1	
1/4	4.6	132.3	
£	4.5	132.4	
1/4	4.9	132.0	
cb	5.1	131.8	
+3	4.5	132.4	
F	4.3	132.6	

H.I. 136.91

72

3+25

E	2.5	134.4
cb	3.3	133.6
1/4	3.1	133.8
£	2.5	134.4
1/4	2.6	134.3
+5	2.7	134.3
cb	2.0	134.9
W	0.5	136.4
	3+50	
W	0.5	136.4
cb	1.3	135.6
1/4	1.8	135.1
£	1.7	135.2
1/4	2.2	134.7
cb	2.1	134.8
E	1.6	135.3

3+52

£ 4' Steps Southward Wall at W.L. lower step	4.0.10	137.01
	3+75	
E	2.2	134.7
cb	2.7	134.2
1/4	2.5	134.4
£	1.9	135.0
1/4	2.1	134.8
cb	1.5	135.4

H. 136.91

W-Base 5' concrete Wall	0.8	1361 ✓
	4+00	
W-Base 5' Wall	1.2	1357 ✓
cb	2.3	1346
1/4	3.2	1337
¢	2.9	1340
1/4	3.6	1333
cb	3.8	1331
E	2.8	1341
	4+25	
E	5.8	1311
cb	6.4	1305
1/4	6.6	1303
¢	5.7	1312
1/4	5.8	1311
cb	5.4	1315
W-Base 8' Cobble Wall	4.9	1320 ↓
	4+50	
W-Base 8' Cobble Wall	7.8	1291 ↓
cb	8.6	1283
1/4	9.3	1276
¢	9.2	1277
1/4	9.5	1274
cb	9.8	1271
E	9.0	1279

H. 136.91

73

	4+50	
¢ 3' steps in Wall of N.L. Lower step	7.24	12967 ✓
	4+75	
E	12.0	1249
cb	13.0	1239
1/4	13.1	1238
¢	12.8	1241
1/4	12.8	1241
cb	12.3	1246
43'	11.4	1255
W-Base - 7' Wall	10.2	1267 ✓
T.P.		-12.05 123.85
	4+123	
	H. 12.5.09	
	5+00	
W-Base 7' Wall	1.8	1233
cb	3.6	1215
45	4.5	1206
1/4	4.4	1207
¢	4.4	1207
1/4	4.6	1205
cb	5.1	1200
42	4.3	1208
E	4.3	1208

H.I. 125.09

5+25

E	2.8	117.3
+9	8.0	117.1
cb	9.0	116.1
1/4	8.2	116.9
♀	7.8	117.3
1/4	7.8	117.3
cb	7.2	117.9
W	6.2	118.9

5+50

W	9.5	115.6
cb	10.5	114.6
1/4	11.1	114.0
♀	11.2	113.9
1/4	11.8	112.3
cb	12.1	113.0
+1	11.2	113.9
E	11.0	114.1

5+75

- 12.49 112.60

E	2.6	110.6
cb	2.8	110.4
+1	3.4	109.8
1/4	3.0	110.2
♀	2.5	110.7
1/4	2.7	110.5

+0.60

H.I. 113.20

5+75

H.I. 113.20

74

cb	2.2	111.0
W	1.1	112.1
	6+00	1
W	5.0	108.2
cb	5.7	107.5
1/4	6.2	107.0
♀	6.3	106.9
1/4	6.5	106.7
+5	6.6	106.6
+6	6.1	107.1
cb	6.2	107.0
E	6.2	107.0
	6+25	
E	9.2	104.0
cb	8.6	104.6
1/4	8.7	104.5
♀	8.6	104.6
1/4	8.5	104.7
cb	8.8	104.4
W	8.2	105.0
	6+50	
W	5.5	107.7
+5	8.0	105.2
1/4	8.7	104.5
1/4	9.5	103.7

H.I. 113.20

6-13-29 \* X-section - 10' Strip - North of existing paving on Imperial - West end of Wall in front of Jewish Cemetery to Benboughs Mausoleum

B.M. S.E.B.P. Imperial \* Southlook 97.91

E	9.4	103.8
1/4	9.5	103.7
cb	10.0	103.2
E	10.0	103.2

6+80=5.2

E	9.9	103.3
cb	9.8	103.4
1/4	9.2	104.0
E	8.7	104.5
1/4	7.9	105.3
cb	6.9	106.3
N	5.8	107.4
T.P.	-9.67	103.53

+ 2.38 105.91

B.M. S.W.B.P. 28 \* Island -7.87 98.04  
Correct 98.03

+4.95  
H.I. 102.86  
0+00 = EL. 36.4  
0+51.26 = West end Cemetery Wall

E.p.	8.29	94.57
Base Wall	8.5	94.4
Top Wall	7.67	95.19
	0+70	
Top Wall	7.05	95.81
B.W.	7.8	95.1
E.p.	7.68	95.18
	0+90	
E.P.	6.95	95.91
B.W.	7.1	95.8
T.W.	6.38	96.48
	1+10	
T.W.	5.74	97.12
B.W.	6.5	96.4
E.P.	6.28	96.58
	1+30	
E.P.	5.89	96.97
B.W.	6.1	96.8
T.W.	5.33	97.53

Top of Wall \* edge of Pav. Plotted 6-17-29 C.B.H.

A.I. 102.86

E.P. = Edge Paving  
B.W. = Base Wall  
T.W. = Top Wall

1+50

T.W.	5.13	97 73
B.W.	5.9	97 0
E.P.	5.21	97 15

1+80

E.P.	5.60	97 26
B.W.	5.7	97 2
T.W.	4.90	97 96

2+10

T.W.	4.77	98 09
B.W.	5.3	97 6
E.P.	5.52	97 34

2+40

E.P.	5.47	97 39
B.W.	5.7	97 2
T.W.	4.83	98 03

2+70 = W.L. South Lead

T.W.	4.07	98 09
B.W.	5.5	97 4
E.P.	5.41	97 45

W.L. +20

E.P.	5.23	97 63
B.W.	5.6	97 3
T.W.	4.74	98 12

H.I. 102.86

76

W.L. +40

T.W.	4.23	98 13
B.W.	5.2	97 7
E.P.	5.10	97 76

W.L. +60 = E.L. South Lead = 2+00

E.P.	4.95	97 91
B.W.	5.4	97 5
T.W.	4.67	98 19

0+25

T.W.	4.53	98 33
B.W.	5.6	97 3
E.P.	4.87	97 99

0+50

E.P.	4.75	98 11
B.W.	5.3	97 6
T.W.	4.31	98 55

0+75

T.W.	4.23	98 63
B.W.	5.3	97 56
E.P.	4.63	98 23

1+09 = West Edge Paved Cemetery Entrance

E.P.	4.53	98 33
B.W.	4.70	98 16
T.W.	3.91	98 95

1+37 = East Edge Paved Entrance

T.W.	3.92	98 94
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H.I. 102.86

B.W.	4.57	98 29
E.P.	4.44	98 42
	1450	0
E.D.	4.38	98 48
D.W.	4.7	98 2
T.W.	3.78	99 08
	1475	
T.W.	3.74	99 12
B.W.	5.1	97 8
E.P.	4.30	98 56
	2400	
E.P.	4.23	98 63
B.W.	4.6	98 3
T.W.	3.69	99 18
T.D.		458 98 28
	+524	
	H.I. 103.52	
	2425	
T.W.	4.24	99 28
D.W.	5.0	98 5
E.P.	4.77	98 75
	2450	
E.P.	4.77	98 75
B.W.	5.3	98 2
T.W.	4.24	99 28

H.I. 103.52

77

2470 = W.L. 37<sup>th</sup>

T.W.	4.13	99 39
B.W.	5.2	98 3
E.P.	4.63	98 89
	3400 = E. 37 <sup>th</sup>	
E.P.	4.63	98 89
B.W.	5.0	98 5
T.W.	3.93	99 59
	3430 = E.L. 37 <sup>th</sup>	
T.W.	4.07	99 45
B.W.	4.9	98 6
E.P.	4.63	98 89
	3450	
E.P.	4.75	98 77
B.W.	4.8	98 7
T.W.	4.13	99 39
	3475	
T.W.	4.28	99 24
B.W.	4.9	98 6
E.P.	4.87	98 65
	4404 = End of fence & Wall in front of Jewish Cemetery	
E.P.	5.04	98 48
B.W.	4.8	98 7
T.W.	4.45	99 07



H.I. 103.52

Note - From End of Wall East - x-section of 10'

Strip	North of existing Paving	0	E.P.
	4425		+6
N	3.9	99 6	+7
+4	3.7	99 8	N
+5	5.2	98 3	
E.P.	5.16	98 36	N
	4450		+2.5
E.P.	5.27	98 25	+3
+6	5.5	98 0	E.O.
+7	4.1	99 4	
N	3.4	100 1	E.P.
	4475		+5
N	4.9	98 6	+6
+6	5.5	98 0	+8
E.P.	5.47	98 05	+9
	5400		N
E.P.	5.60	97 92	
+5	6.0	97 5	N
+6	4.7	98 8	+2.5
N	4.8	98 7	+3
	5425		+5
N	6.0	97 5	+6
+5	5.3	98 2	E.P.
+6	6.1	97 4	
E.P.	5.73	97 79	

H.I. 103.52.

5+50

78

590	97 62
6.1	97 4
5.1	98 4
7.0	96 5
5+75	
8.4	95 1
8.3	95 2
5.9	97 6
6.09	97 43
6+00	
6.23	97 29
6.4	97 1
5.4	98 1
6.0	97 5
9.5	94 0
9.8	93 7
6+25	
9.5	94 0
9.0	94 5
6.0	97 5
5.5	98 0
6.7	96 8
6.36	97 16

H.I. 103.52

6450

E.P.	6.49	9703
+4	6.5	970
+5	5.0	985
+6	5.0	985
+7	6.5	970
N	9.0	940

6475

N	9.4	941
+3	9.0	945
+4	5.5	980
+5	5.5	980
+5.5	6.5	970
E.P.	6.65	9687

7400

E.P.	6.80	9672
+4.5	6.8	967
+5	6.0	975
+7.5	6.0	975
+8	7.8	957
N	9.0	945
N. 9.0	9.0	945
+2	8.0	955
+2.5	6.1	974
+5	6.0	975

H.I. 103.52

79

+5.5	7.1	964
E.P.	6.90	9662
	7+50	
E.P.	7.05	9647
+4.5	7.4	961
+5	6.6	969
+6	6.8	967
+6.5	8.6	949
N	9.6	939
T.P.		-6.43

+5.33

H.I. 102.42

2+7.5

N	8.6	938
+3.5	8.0	944
+4	6.1	963
+7	5.9	965
+7.5	6.6	958
E.P.	6.13	9629
	8+00	
E.P.	6.25	9617
+4	6.5	959
+4.5	6.0	964
+7	6.1	963
+7.5	7.8	946
N	8.1	943

H. 1. 10242

8+25

N	85	93 9
+2	80	94 4
+3	64	96 0
+5	59	96 5
+7	68	95 6
E.P.	6.41	96 01

8+50

E.P.	6.59	95 83
+4	6.6	95 8
+4.5	54	97 0
+6	6.0	96 4
+8	7.5	94 9
N	80	94 4

8+75

N	7.2	95 2
+8	6.4	96 0
E.P.	6.67	95 75

9+30 = W.L. 30th

E.P.	7.05	95 37
+2	6.9	95 5
+3	6.1	96 3
+6	5.9	96 5
+7	7.8	94 6
N	80	94 4

B.M. S.F. Top Hydrant 35<sup>th</sup> Street -4.49 97.93  
 Correct 97.93

DIRECTIONS FOR USE OF TABLES

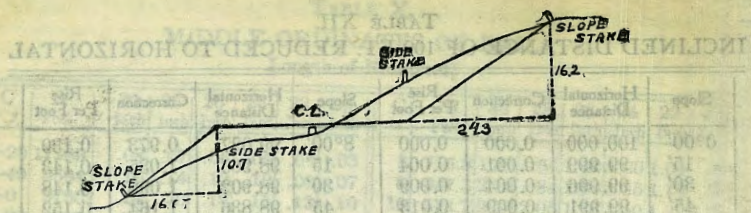
TABLE No. 1.

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 left column and top row. The number in body

**IMPROVED TABLES AND INFORMATION**

To find Tangent and External for curve of any other degree divide by degree of curve and add correction found in table. 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.

cont. in F.B. 1322 page 13



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.

446.99  
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ENGINEERING DEPARTMENT,  
CITY OF SAN DIEGO,  
CALIFORNIA.

446.99

New Door

Wooden

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