83

ST

PH and [illegible] 16

CROFT [illegible] to Lincoln 19

ETTHUM WHITTMAN and WITTHERBY 27

BRANCH AVE. Guzot to W. Pt. Loma 31

ST. 32 to 200 E 37.

WATSWORTH ET AL 39.

PAS Park Blvd to Vermont 44.

PAPE AVE. Prospect to St. La Jolla Fa. 48.

TH ST. Logan to Main 53.

380

ds ave N.L. Rushville to S.L. Corcoran's 75

FIELD

G83

MICROFILMED
DEC 7 1964

ENGINEERING DEPARTMENT,
CITY OF SAN DIEGO.
CALIFORNIA.

ENGINEERING DEPARTMENT.
CITY OF SAN DIEGO.
CALIFORNIA.

10' Walk

PALM			STREET	
304.35	304	40'	303	
303.36	303.11		302.11	
302.49	302.24		301.24	
✓ 301.62	301.37		300.37	62
✓ 300.75	300.50		299.50	75
✓ 299.88	299.63		298.63	
298.44	299.19		298.19	44
✓ 298.85	298.60		297.6	.85
298.0	297.75		296.9	715
✓ 296.80	296.55		295.55	.80
295.35	295.1		294.10	✓ 294.35
⊡ -15 ⊡ 15	293.55		293.30	292.55 ✓
291.55	291.30		290.28	290.53
✓ 289.15	288.9		287.90	288.15 ✓
286.55	286.30		285.30	285.55
✓ 283.60	283.35		282.36	282.61 ✓
280.38	280.13		279.13	279.38
277.w	276.75		275.75	276.00
⊡ 5' ⊡	270.0	40'	269.06	
NUTMEG			STREET.	

STREET.

DALE

Bm Dale + Palm N.E. ⊙ 303.86

1.

		303.86 Bm		307.30		307.30		307.3		307.30		307.30		307.30		307.30		307.30		307.30		307.30	
		3.44		41		02		23		53		63		3									
		307.30		307.30		304.10		305.7		302.0		301.0		304.30									
		7.30		0.0		304.21		303.4		302.70		301.5		302.30									
		300.00				4.1		C1.6				7.15		C1.80									
		301.40		307.30		307.30																	
				3.5		16.3																	
				303.8		297.0		307.30		307.30		307.30		307.30		307.30		307.30		307.30		307.30	
				301.6		300.6		C1.3		4.3		4.7		9.3		8.6		3.6					
				C2.2		9.0		301.0		303		302.6		298.10		78.7		301.7					
						3.6		299.25		300.75		298.9		98.9		5.78		88.3					
								C1.2		C2.25		C2.7				C1.0		3.0					
C1.4	704													964									
C1.8	7.05																						
C2.2	7.36	301.40		301.40		301.40		301.40		301.40		301.40		289.80		289.80							
				2.4		1.4		3.7		9		13.8		10.7		48							
C2.3	C1.2	300.40		98.9		97.9		97.7		92.40		87.6		79.7		85.0							
		298.80		95.8		96.6		93.1		89.1		88.1		82.6		82.6							
		C2.2		C3.1		C2.3		C4.1		C3.3		7.01		7.7		1.4							
C2.7	7.09	301.40		289.80		288.35		283.35		283.35				22.9									
		1.26		14.1		7.5		7.5		16.3													
		288.90		277.7		281.1		275.8		266.0													
		1.10		277.6		20.5		65.5		62.0													
		289.90		C.7		C.8		76.00		69.2													
		11.60						65.00		62													
		278.30						10.6															
		278.15																					
C3.0	C1.0	278.35																					
		.15																					
		278.20																					
		1.40																					
		279.60																					
C3.6	3.1	291.19																					
		280.94																					
		1.78																					
		303.72																					
		2.88																					
		290.74																					
		5.22																					
		306.96																					
C4.1	C2.3																						
C5.3	7.05																						
C6.4	7.9																						
C6.7	7.06																						
C8.9	7.1																						

NE Palm-Dale
303.86
3.03
307.89

Bank extends out into st from 50' to 100' So. of Palm on west side also from 200' to 250' So. Roadway not in acceptable condition. Sidewalks OK.

11/4/42 Gregory

DALE ST. 10' Walk

	W.						E.
S.L. Palm St.	304.75	304.00	303.40	303.50	302.85	303.00	303.25
25'S.	303.81	303.56	302.96	303.06	302.41	302.56	302.81
50'S.	303.37	303.12	302.52	302.62	301.97	302.12	302.37
75'S.	302.93	302.68	302.09	302.18	301.54	301.68	301.93
100'S. ✓	302.50	302.25	301.65	301.75	301.10	301.25	301.50
125'S.	302.06	301.81	301.21	301.31	300.66	300.81	301.06
150'S.	301.62	301.37	300.77	300.87	300.22	300.37	300.62
175'S	301.19	300.94	300.34	300.44	299.79	299.93	300.18
200'S.	300.75	300.50	299.90	300.01	299.35	299.50	299.75
225'S.	300.31	300.06	299.46	299.56	298.91	299.06	299.31
250'S. ✓	299.87	299.62	299.02	299.13	298.48	298.62	298.87
275'S.	299.44	299.19	298.59	298.69	298.04	298.19	298.44
300'S.	298.86	298.61	298.01	298.11	297.46	297.61	297.86
325'S.	297.98	297.73	297.13	297.23	296.58	296.73	296.98
350'S.	297.11	296.86 (55)	296.26	296.21	295.48	295.56	295.81
375'S.	295.35	295.10	294.50	294.60	293.95	294.10	294.35
400'S.	293.58	293.33	292.73	292.83	292.18	292.33	292.58
425'S.	291.53	291.28	290.68	290.78	290.13	290.28	290.53
450'S.	289.18	288.93	288.33	288.43 (sl)	287.78	287.93	288.18
475'S	286.54	286.29	285.69	285.79 (sl)	285.14	285.29	285.54
500'S.	283.61	283.36	282.76	282.86	282.21	282.36	282.61
525'S	280.38	280.13	279.53	279.63 (sl)	278.98	279.13	279.38
550'S	276.96	276.71	276.10	276.20	275.56	275.70	275.95
575'S.	273.53	273.28	272.68	272.78	272.13	272.28	272.53
599'S= N.L. Nottingham St.	270.25	270.00	269.40	269.50	268.85	269.00	269.25

Bank not back-ie

Bank not back-ie

See Book 8-ie

To set grades by -

304

ROBINSON & CURLEW

	N Curb	1/4	E	1/4 Curb S
W.L. Albatross	266.00			266.00

ROBINSON & CURLEW

N Curb 1/4 ℄ 1/4 Curb S

ROBINSON & CURLEW

N. Curb 1/4 ℄ 1/4 Curb S

ROBINSON & CURLEW

M curb 1/4 ℄ 1/4 curb S

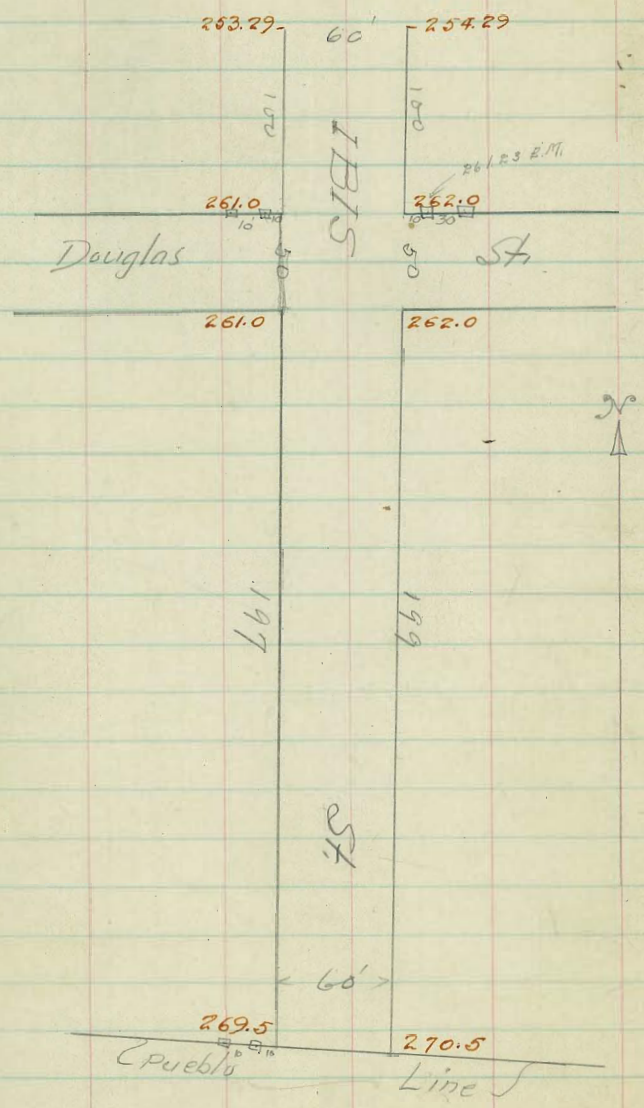
ROBINSON & CURLEW

N curb 1/4 ℄ 1/4 curb S

Robinson & Curlew

	W	Curb.	¼	℄	¼	Curb	E
Ave. produced SL of Perp.	182.25	182.00	181.85	182.50	182.40	183.00	183.25
25' S	180.58	180.33	180.18	180.83	180.73	181.33	181.58
50'	178.91	178.66	178.51	179.16	179.06	179.66	179.91
75'	177.25	177.00	176.85	177.50	177.40	178.00	178.25
100'	175.58	175.33	175.18	175.83	175.73	176.33	176.58
125'	173.91	173.66	173.51	174.16	174.06	174.66	174.91
150'	172.25	172.00	171.85	172.50	172.40	173.00	173.25
175'	170.58	170.33	170.18	170.83	170.73	171.33	171.58
200'	168.91	168.66	168.51	169.16	169.06	169.66	169.91
225'	167.25	167.00	166.85	167.50	167.40	168.00	168.25
250'	165.58	165.33	165.18	165.83	165.73	166.33	166.58
275'	163.91	163.66	163.91	164.16	164.06	164.66	164.91
29.39' Sec A 6.11' S. of A. on W. line	162.65	162.40	157.25	162.90	162.80	163.40	163.65
Sec. B	162.25	162.00	161.95	162.70	162.80	163.40	163.65

Mission St. Intersection


253.29
60'
254.29
160
160
261.23 E.M.
261.0
10
262.0
30
Douglas
St
261.0
262.0
N
197
199
75
60'
269.5
270.5
Pueblo
Line

IBIS STREET

from 100 ft N. of Douglas South to P.L

	WL	Curb	¼	℄	¼	Curb	EL
200 ft S of Washington							
100 ft N of Douglas	253.34	253.29	253.14	253.79	253.69	254.29	254.54
75	255.47	255.22	255.07	255.72	255.62	256.22	256.47
50	257.40	257.15	257.00	257.65	257.55	258.15	258.40
N L Douglas	261.25	261.00	260.85	261.50	261.40	262.00	262.25

Intersection of Ibis & Douglas

N.L. Douglas	261.25	261.00	260.85	261.50	261.40	262.00	262.25
N. Curb	261.00 260.00	261.00 260.00 E.P.	260.25	261.50 260.50 Gutter	260.75	262.00 261.00 Gutter	262.00 261.00
N ¼	260.60	260.76	260.93	261.10	261.27	261.44	261.60
℄	261.00	261.16	261.33	261.50	261.67	261.84	262.00
S ¼	260.60	260.76	260.93	261.10	261.27	261.44	261.60
S Curb	260.00 261.00	260.00 261.00	260.25	Gutter 260.50 261.50	260.75	Gutter 261.00 262.00	261.00 262.00
S.L. Douglas	261.25	261.00	260.85	261.50	261.40	262.00	262.25

Ibis Street S.L. Douglas to P.L

S L Douglas	261.25	261.00	260.85	261.50	261.40	262.00	262.25	+2.7	+1.7
50 ft S.	263.41	263.16	263.00	263.65	263.54	264.14	264.39	+1.4	+1.7
100 ft S.	265.57	265.32	265.16	265.80	265.68	266.28	266.53	+0.5	+1.6
150 ft S.	267.73	267.48	267.31	267.95	267.80	268.42	268.67	−0.7	+1.0
Pueblo line { 199 on EL 197 on WL	269.75	269.50	269.35	270.00	269.90	270.50	270.75	+0.7	+0.4

BM. NE Wash + Ibis – 260.54 Orig
" NE Wash + Hawk – 263.04 "
" " Hawk + Douglas – Alt 263.70

263.70 = Opk NE Douglas & Hawk
6.12
268.82
0.56
TP 269.26
9.76
274.02

269.82	269.82	269.82	269.82	269.82	269.82	269.82
262.25	261.25	530	3.91	1.56	3.95	2.33
7.57	8.57	264.52	265.91	268.26	265.87	267.49
6.3	6.2	263.41	264.34	266.53	265.57	267.73
C1.3	C2.4	C1.11	C1.52	C1.73	C0.30	F0.24

+4.8 +0.6 12.50
TP 257.32
2.76
+0.7 +1.7
EL 260.08

269.82	269.82	269.82	269.82	260.08	260.08
8.73	7.82	9.82	10.82	7.19	6.18
261.09	262.00	260.00	259.00	252.89	253.90
262.25	261.25	257.40	258.40	254.54	253.54
F1.16	C0.75	C2.60	C0.60	F1.65	C0.36

274.02	274.02	274.02
4.22	2.84	4.50
269.80	271.18	269.52
268.67	270.75	269.75
C1.13	C0.43	F0.23

Cuts & Fills 8/5/14
West-Evans-Devine

263.04
+.81
263.85

261.85	261.85	262	262.25	262.16	262.10	262.15	262.60
5.85	6.10	5.85	5.10	10.96	9.70	9.20	8.95

254.29	254.64
10.06	10.8

+1.7 +0.4

261.23	261.5	261.75	263.51	263.96	264.52	265.77	267.53	267.78	269.00	269.25	
9.03	8.96	8.51	6.76	6.50	4.74	4.23	2.73	2.47	0.76	0.51	
270.26											

268.47	268.47	266.08	266.83	264.16	264.39	262	262.76
1.57	1.54	3.93	3.13	6.13	5.57	8.26	7.01

curbst Props 7/19/14 Gregory
177.00 E
177.00 C

270.26	270.5	270.75
1.84	1.62	1.42
48.47		
3.75		
272.1		

DALE STREET Aug. 21. 1916.
Book 971

Thorn 80' st.

318.00	60'	318.00
314.50		314.75
313.06		312.69
312.26		311.77
312.05		311.68
312.47	263	311.82
316.00		315.00

Spruce 50' St. NOT OPEN

315.50		314.50
312.50	60'	312.00

Redwood 57' St.

BM Dale S E ⊙ Redwood 311.82
" N W ⊙ Thorn 318.39

262

276

60

57

10'

Tack in walk

Cut Tack in walk

W. Dale St. ℄ E.

N.L. Spruce	316.75	316.00	315.60	315.50	316.85	315.00	315.75
Curb 10	316.00	316.00	315.70	315.67	316.97	315.00	315.00
7.5	315.00	315.00				316.00	316.00
1/4 7.5	315.60	316.88	315.97	315.37	316.77	316.88	316.60
Center 10	315.75	316.75	315.15	315.75	316.65	316.75	316.75
5 7.5 7.5							
1/4 7.5	315.97	316.67	315.08	315.18	316.57	316.67	316.97
	316.50	316.50				316.50	316.50
Curb	315.50	315.50	315.00	315.10	316.45	316.50	316.50
S.L. Spruce 10	315.75	315.50	316.90	315.00	316.35	316.50	316.75

119=S.L. Spruce	315.75	315.50	316.90	315.00	316.35	316.50	316.75
150	315.66	315.19	316.59	316.71	316.08	316.96	316.69
175	315.17	316.97	316.37	316.67	313.86	316.07	316.97
200	316.90	316.65	316.05	316.97	313.61	313.79	316.06
175	316.63	316.38	313.78	313.97	313.37	313.57	313.87
150	316.36	316.11	313.51	313.77	313.16	313.36	313.59
125	316.09	313.84	313.26	313.58	312.90	313.17	313.37
100	313.83	313.58	312.98	313.26	312.67	312.90	313.15
75	313.56	313.31	312.71	312.99	312.43	312.67	312.97
50	313.29	313.04	312.46	312.72	312.20	312.45	312.70
25	313.02	312.77	312.17	312.50	311.96	312.22	312.47
0=N.L. Redwood	312.75	312.50	311.90	312.25	311.73	312.00	312.25

6 & 7 Set 9-21-14 Cloudy

311.82 Bm S.C. Redwood 1250 1301 1304 1245 1355 1290 1411 1334
710 6.42 5.21 5.88 6.37 5.04 6.02 4.82 5.58
318.52
4.46
314.06
5.45
312.97
3

1415 1379 1519 1424 3355 1450 1600 1500
4.27 5.13 3.32 4.26 6.41 5.41 3.91 4.91

all Set 10-4-14

Checked OK 9/21/14 Gregory

311.82
5.77
312.59

Vertical curve

271	318.75	318.00	317.60	318.00	317.60	318.00	318.75
250	316.78	316.53	316.13	316.28	316.03	316.13	316.68
225	315.03	315.78	315.38	315.67	315.15	315.55	315.80
221	315.75	315.50	315.10	315.38	315.85	315.75	315.50
200	313.75	313.99	313.89	313.97	313.75	313.95	313.19
196 x	313.31	313.06	313.66	313.88	313.79	313.69	313.95
175	312.67	312.37	311.97	312.15	311.75	311.97	312.17
171 +	312.59	312.75	311.85	312.01	311.37	311.77	312.07
150	312.33	312.08	311.51	311.81	311.75	311.53	311.98
146 +	312.30	312.05	311.55	311.77	311.53	311.48	311.73
125	312.65	312.50	311.80	312.09	311.53	311.77	312.02
121	312.77	312.57	311.87	312.15	311.59	311.82	312.07
100	313.33	313.08	312.48	312.73	312.16	312.37	312.67
75	314.06	313.81	313.21	313.47	312.89	313.03	313.48
50	314.79	314.54	313.94	314.22	313.50	313.69	313.94
25	315.77	315.52	314.67	314.81	314.18	314.32	314.59
0=NL.Spruce	316.75	316.00	315.60	315.50	314.85	315.00	315.75

Bt 7 9-21-14

1454	1369	1308	1237	1197	1152	1124	1150	1225
5.37	6.22	5.59	6.21	6.40	6.85	6.43	4.17	4.42
1306	1260	1150	1205	1148	1177			
5.61	6.3	7.17	6.62	7.19	6.77			

all set 10-4-14

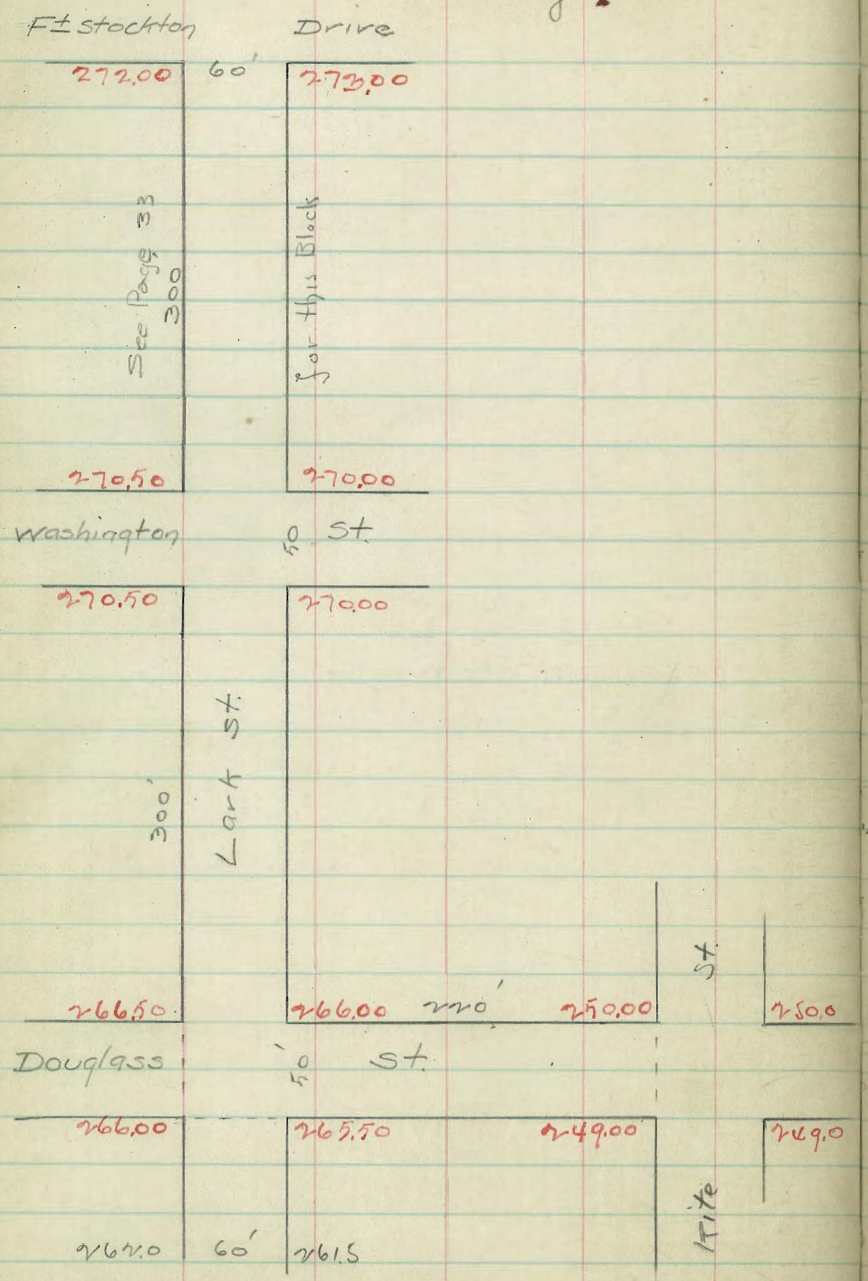
Chkd OK 9/21/14 Gregory

31.951
5.14
314.73
3.90
318.67

31.59
1.32
31.57
31.25

LARK and DOUGLASS ST'S

aug. 31-1916.



Lark St.

	W.		℄		E.	
(Ft Stockton Drive) 0=SL Geff	4.00	4.00	4.00	4.00	4.00	
50	4.00	4.00	4.00	4.00	4.00	
100	4.00	4.00	4.00	4.00	4.00	
150	4.00	4.00	4.00	4.00	4.00	
200	4.00	4.00	4.00	4.00	4.00	
250	4.00	4.00	4.00	4.00	4.00	
300	4.00	4.00	4.00	4.00	4.00	
350	4.00	4.00	4.00	4.00	4.00	
400	4.00	4.00	4.00	4.00	4.00	
450	4.00	4.00	4.00	4.00	4.00	
500	4.00	4.00	4.00	4.00	4.00	
550	4.00	4.00	4.00	4.00	4.00	
600	4.00	4.00	4.00	4.00	4.00	
650	4.00	4.00	4.00	4.00	4.00	
700	4.00	4.00	4.00	4.00	4.00	
750	4.00	4.00	4.00	4.00	4.00	
800=NL Wash.	4.00	4.00	4.00	4.00	4.00	
0=SL Washington	4.00	4.00	4.00	4.00	4.00	+0.0 +0.0
50	4.00	4.00	4.00	4.00	4.00	
100	4.00	4.00	4.00	4.00	4.00	+0.0 +0.0
150	4.00	4.00	4.00	4.00	4.00	
200	4.00	4.00	4.00	4.00	4.00	+0.0 +0.0
250	4.00	4.00	4.00	4.00	4.00	
300	4.00	4.00	4.00	4.00	4.00	+0.0 +0.0
350	4.00	4.00	4.00	4.00	4.00	
400	4.00	4.00	4.00	4.00	4.00	+0.0 +0.0
450	4.00	4.00	4.00	4.00	4.00	
500	4.00	4.00	4.00	4.00	4.00	+0.0 +0.0
550	4.00	4.00	4.00	4.00	4.00	
600	4.00	4.00	4.00	4.00	4.00	+0.0 -1.0
650=NL Douglass	4.00	4.00	4.00	4.00	4.00	

Changed This Block
See Page 33

Lark St.

	W			℄			E.	
0=S.L.Douglas	966.75	966.00	965.40	965.75	965.25	965.50	965.75	
25	965.75	965.00	964.40	964.75	964.25	964.50	964.75	
50	964.75	964.00	963.40	963.75	963.25	963.50	963.75	
75	963.75	963.00	962.40	962.75	962.25	962.50	962.75	
97	962.97	962.12	961.57	961.87	961.37	961.67	961.87	
100'S.	962.75	962.00	961.40	961.75	961.25	961.50	961.75	

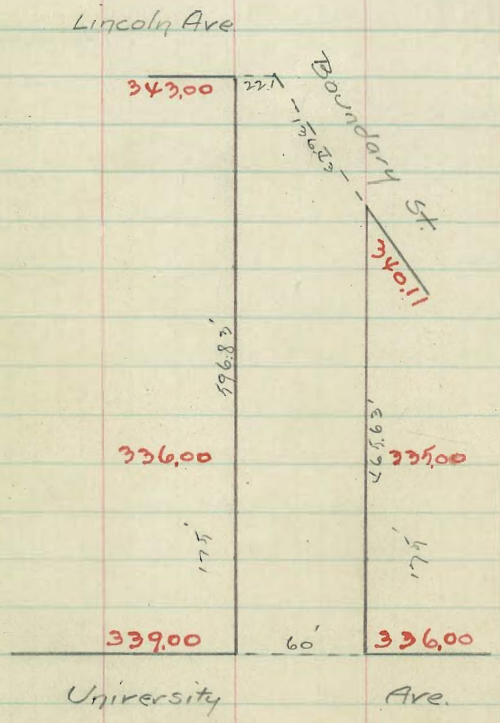
DOUGLASS ST.

	S.			℄			N.	
W.L.Lark.	966.75	966.00	967.75	966.75	967.90	966.50	966.75	-25 -(+04)
Curb 10	966.00	966.00	967.63	966.15	967.80	966.70	966.50	
7.5	967.00	967.00				967.70	967.50	
11	967.40	964.88	967.55	966.08	967.77	967.78	967.90	
Center 7.5	967.77	964.77	967.48	966.00	967.67	967.75	966.75	-29 -21
11	967.75	964.67	967.40	967.97	967.57	967.13	967.13	
7.5	964.50	964.50				967.00	967.00	
Curb	967.50	967.50	967.37	967.85	967.50	966.00	966.00	
E.L.Lark 10	967.77	967.50	967.75	967.77	967.40	966.00	966.75	
200=E.L.Lark	967.77	967.50	967.75	967.77	967.40	966.00	966.75	-70=(-1.77)
200	964.75	964.00	963.74	964.77	963.97	964.57	964.80	-35 -34
175	962.38	962.13	961.88	962.64	962.13	962.77	962.98	
150	960.50	960.75	960.00	960.58	960.31	960.91	961.16	-93 -19
125	958.63	958.38	958.15	958.77	958.49	959.09	959.34	
100	957.77	957.50	957.29	957.88	957.67	957.97	957.97	-83 +07
75	957.88	957.63	957.44	957.50	957.85	957.75	957.70	
50	957.00	957.77	957.57	957.19	957.30	957.46	957.89	-35 -1.35
25	956.13	957.08	957.07	957.13	957.35	957.18	957.07	
0=W.L.Kite	956.75	956.00	956.83	956.50	956.40	956.00	957.05	-1.75 +0.25

Kite and Douglass.

	W.			℄.			E.
N.L. Douglass	75.075	75.000	74.960	75.000	74.960	75.000	75.075
Curb	75.000 74.900	75.000 74.900	74.940	74.980	74.940	75.000 74.900	75.000 74.900
"	74.940	74.875	74.975	74.965	74.975	74.875	74.940
Center ⅓	74.950	74.850	74.910	74.950	74.910	74.850	74.950
"	74.885 74.800	74.875 74.800	74.895	74.975	74.895	74.875 74.800	74.885 74.800
Curb	74.900	74.900	74.880	74.970	74.880	74.900	74.900
S.L. Douglass	74.975	74.900	74.860	74.900	74.860	74.900	74.975

BANCROFT ST.



Bancroft Street.

See Book 900 for field notes

596.87=S.L.Lincoln	342.75	342.00	342.40					+1.1
550	342.47	342.27	341.67	341.91				+1.9
500	341.62	341.39	340.79	341.06	340.49	340.11		+2.3
465.63=Boundary Cor E.	341.07	340.87	340.27	340.47	339.89	340.11	340.36	+2.7+3.1
450	340.81	340.56	339.96	340.20	339.67	339.84	340.09	+2.1+3.1
400	339.98	339.73	339.13	339.35	338.75	338.96	339.21	+1.5 +2.0
350	339.15	338.90	338.30	338.49	337.88	338.08	338.33	+0.8 +2.7
300	338.32	338.07	337.47	337.62	337.07	337.20	337.45	+0.1 +2.2
250	337.49	337.24	336.64	336.78	336.15	336.32	336.57	-1.1 +1.3
225	337.08	336.83	336.23	336.36	335.72	335.88	336.13	
200 Copied to Book 87 P.2.	336.66	336.41	335.81	335.93	335.28	335.44	335.69	-9.8+0.6
175	336.25	336.00	335.40	335.50	334.85	335.00	335.25	
150	335.68	335.43	334.83	334.79	334.06	334.14	334.39	-2.9-1.7
125	337.11	336.86	336.23	336.07	335.28	335.29	335.54	
100	337.54	337.29	336.69	336.36	335.49	335.43	335.68	-2.9-7.9
75	337.96	337.71	337.11	336.64	335.71	335.57	335.82	
50	338.39	338.14	337.54	336.93	335.92	335.71	335.96	-2.5-9.6
25	338.82	338.57	337.97	337.21	336.14	335.86	336.11	
8	339.11	338.86	338.26	337.41	336.28	335.95	336.20	
0=N.L.Univ.	339.25	339.00	338.40	337.50	336.35	336.00	336.25	-0.3-0.2

Sept. 16, 1904.
10' walks.
Books 463

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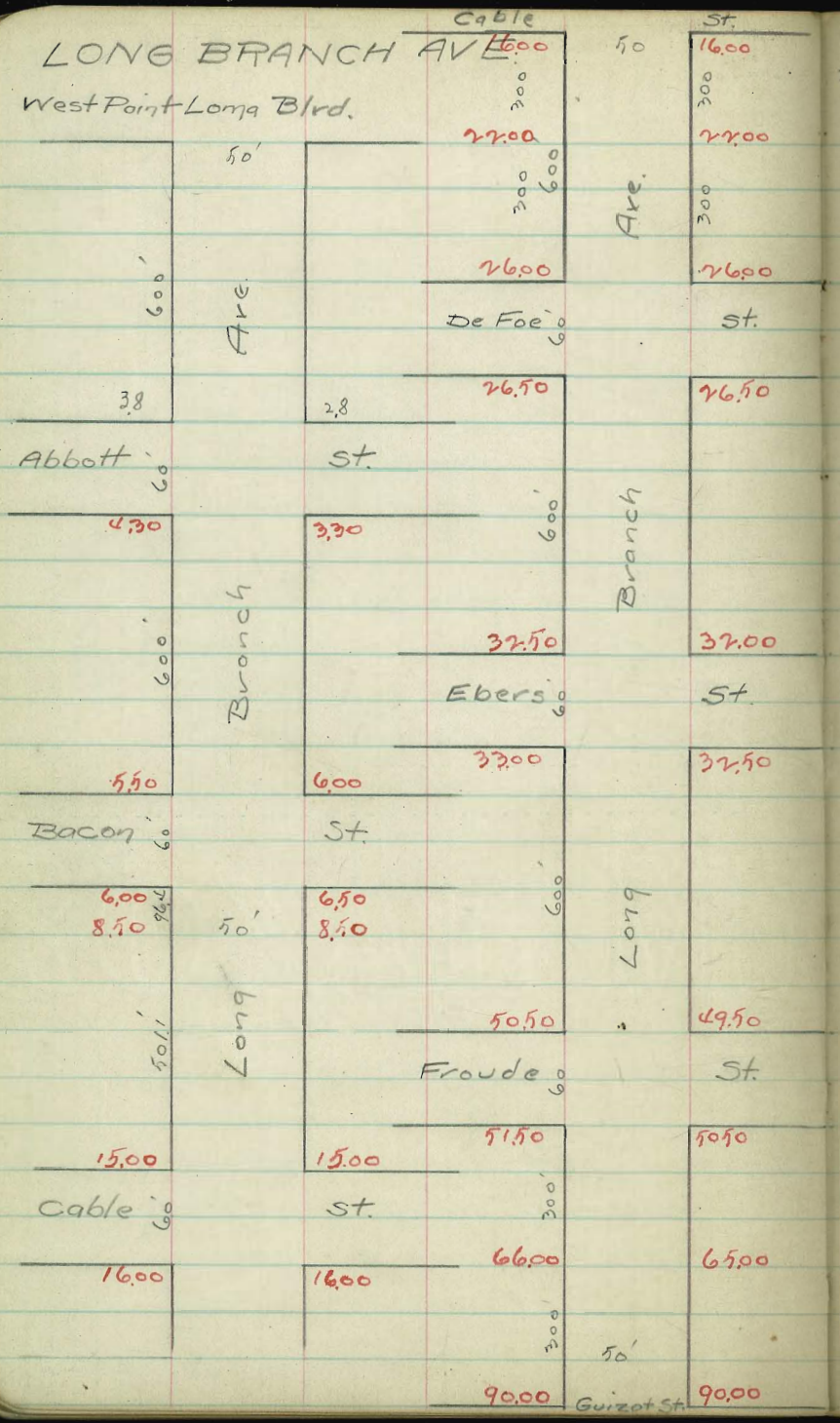


Long Branch Ave.

	S.		℄				N.	
W.L. Froude	5.075	5.050	4.990	5.000	4.935	4.950	4.975	
Curb	5.050	5.050	5.007	5.017	4.952	4.950	4.950	
	4.950	4.950				4.850	4.850	
11	5.035	4.975	5.033	5.033	4.968	4.875	4.935	
Center	5.100	5.000	5.040	5.050	4.985	4.900	5.000	
11	5.090	5.055	5.057	5.067	5.005	4.955	4.990	
	5.050	5.050				4.950	4.950	
Curb	5.150	5.150	5.073	5.083	5.018	5.050	5.050	
E.L. Froude	5.175	5.150	5.090	5.100	5.035	5.050	5.075	
600=E.L. Froude	5.175	5.150	5.090	5.100	5.035	5.050	5.075	+.07 +.05
550	5.417	5.395	5.335	5.345	5.277	5.295	5.317	-.01-.03
503=P.L.	5.645	5.619	5.559	5.569	5.505	5.519	5.545	-.03-.05
500	5.658	5.633	5.573	5.583	5.518	5.533	5.558	
450	5.900	5.875	5.815	5.825	5.760	5.775	5.800	-.15-.16
400	6.145	6.117	6.057	6.067	6.005	6.017	6.045	-.18-.21
350	6.383	6.358	6.298	6.308	6.245	6.258	6.283	-.17-.20
300	6.625	6.600	6.540	6.550	6.485	6.500	6.525	-.06-.11
250	7.025	7.000	6.945	6.958	6.898	6.917	6.945	-.05-.16
200	7.425	7.400	7.345	7.367	7.310	7.333	7.358	-.01-.06
150	7.825	7.800	7.750	7.775	7.725	7.750	7.775	+.03-.05
100	8.225	8.200	8.150	8.183	8.135	8.167	8.192	+.02-.09
50	8.625	8.600	8.557	8.592	8.528	8.583	8.608	+.08+.02
0=W.L. Guizot	9.025	9.000	8.960	9.000	8.960	9.000	9.025	+.12-.06

See p. 76 for grades east of Guizot St

Long Branch Ave.

	S		℄				N.	
W.L. Ebers	34.75	34.50	31.90	34.44	31.73	34.00	34.44	
Curb	34.50	34.50	31.98	34.33	31.81	34.00	34.00	
"	31.50	31.50				31.00	31.00	
"	34.44	31.63	34.07	34.24	31.90	31.13	31.73	
Center	34.75	31.75	34.15	34.50	31.98	31.94	34.44	
"	34.40	31.88	34.43	34.58	34.06	31.98	31.90	
Curb	34.00	34.00				31.50	31.50	
	33.00	33.00	34.34	34.67	34.15	34.50	34.50	
E.L. Ebers	33.44	33.00	34.40	34.75	34.44	34.50	34.75	
600=E.L. Ebers	33.44	33.00	32.40	34.75	34.44	34.50	34.75	+0.4 +0.3
450	34.71	34.46	33.86	34.19	33.66	33.94	34.17	+0.1 +0.7
500	36.17	34.94	34.34	34.63	34.08	34.33	34.58	+0.7 +1.3
450	37.63	37.38	36.78	37.06	36.51	36.75	37.00	+1.3 +2.1
400	39.08	38.83	38.23	38.50	37.94	38.17	38.44	+1.9 +2.3
350	40.54	40.29	39.69	39.94	39.36	39.58	39.83	+2.4 +2.2
300	41.00	41.75	41.15	41.38	40.79	41.00	41.25	+2.6 +1.5
250	43.46	43.21	42.61	42.81	42.22	42.44	42.67	+2.3 +1.1
200	44.92	44.67	44.07	44.25	43.64	43.83	44.08	+2.1 +1.4
150	46.38	46.13	45.53	45.69	45.07	45.25	45.50	+2.1 +1.5
100	47.83	47.58	46.98	47.13	46.50	46.67	46.92	+1.8 +1.3
50	49.29	49.04	48.44	48.56	47.92	48.08	48.33	+0.7 +0.1
0=W.L. Froude	50.75	50.50	49.90	50.00	49.35	49.50	49.75	+0.1 +0.5

Long Branch Ave.

	S.		℄				N.	
W.L. De Foe	26.54	26.00	26.60	26.00	26.60	26.00	26.54	
Curb	26.00	26.00	26.68	26.08	26.68	26.00	26.00	
	26.00	26.00				26.00	26.00	
W	26.73	26.13	26.77	26.17	26.77	26.13	26.73	
Center	26.54	26.94	26.84	26.54	26.84	26.94	26.54	
W	26.90	26.38	26.93	26.33	26.93	26.38	26.90	
	26.50	26.50				26.50	26.50	
Curb	26.50	26.50	26.04	26.04	26.04	26.50	26.50	
E.L. De Foe	26.74	26.50	26.10	26.50	26.10	26.50	26.74	
600=E.L. De Foe	26.74	26.50	26.10	26.50	26.10	26.50	26.74	+0.3 +0.3
550	27.24	27.00	26.58	26.98	26.57	26.96	27.21	+0.5 +0.6
500	27.74	27.50	27.07	27.46	27.04	27.44	27.67	+0.5 +0.4
450	28.24	28.00	27.54	27.94	27.51	27.88	28.13	00 +0.4
400	28.74	28.50	28.03	28.44	27.98	28.33	28.58	-0.1 00
350	29.24	29.00	28.54	28.90	28.45	28.79	29.04	-0.6 -0.3
300	29.74	29.50	29.00	29.38	28.94	29.24	29.50	-1.0 -0.5
250	30.24	30.00	29.48	29.84	29.38	29.71	29.96	-1.1 -0.8
200	30.74	30.50	29.97	30.33	29.84	30.17	30.44	-0.9 -0.8
150	31.24	31.00	30.44	30.81	30.34	30.63	30.88	-1.1 -0.7
100	31.74	31.50	30.93	31.29	30.79	31.08	31.33	-0.4 -0.2
50	32.24	32.00	31.44	31.77	31.26	31.54	31.79	-0.1 -0.2
0=W.L. Ebers	32.74	32.50	31.90	32.24	31.73	32.00	32.24	-0.2 -0.2

Long Branch Ave

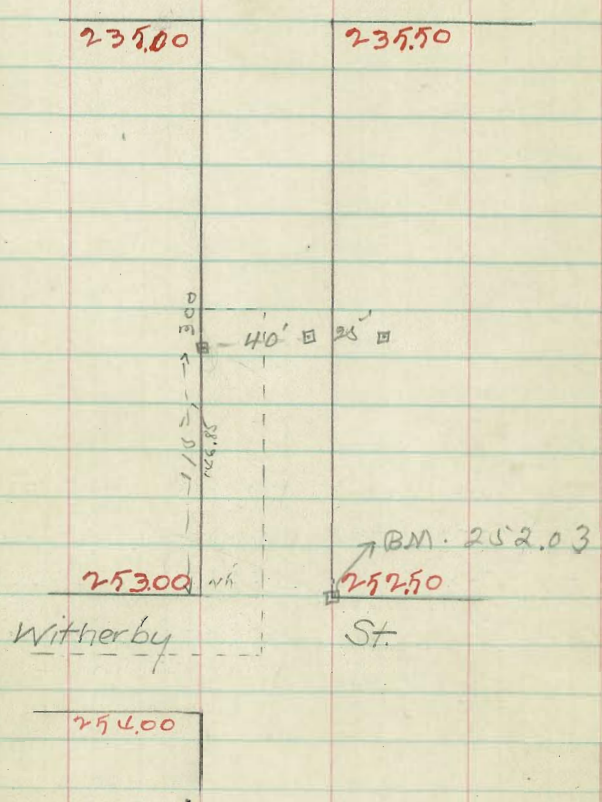
	S.		℄.				N.
W.L. Cable	15.75	15.00	14.60	15.00	14.60	15.00	15.75
Curb 10	15.00	15.00	14.77	15.17	14.77	15.00	15.00
	14.00	14.00				14.00	14.00
11" 10	14.85	14.75	14.93	15.33	14.93	14.75	14.85
Center 10	15.50	14.50	15.10	15.50	15.10	14.50	15.50
11" 10	15.40	14.75	15.27	15.67	15.27	14.75	15.40
Curb 10	15.00	15.00				15.00	15.00
	16.00	16.00	15.43	15.83	15.43	16.00	16.00
EL. Cable 10	16.75	16.00	15.60	16.00	15.60	16.00	16.75
600 = EL. Cable	16.75	16.00	15.60	16.00	15.60	16.00	16.75	-0.3 +1.2
550	17.75	17.00	16.60	17.00	16.60	17.00	17.75	0.0 +0.1
500	18.75	18.00	17.60	18.00	17.60	18.00	18.75	+0.1 +0.2
450	19.75	19.00	18.60	19.00	18.60	19.00	19.75	-0.1 +0.4
400	20.75	20.00	19.60	20.00	19.60	20.00	20.75	0.0 +0.1
350	21.75	21.00	20.60	21.00	20.60	21.00	21.75	+0.1 +0.3
300	22.75	22.00	21.60	22.00	21.60	22.00	22.75	-0.2 +0.4
250	22.92	22.67	22.27	22.67	22.27	22.67	22.92	+0.4 +0.4
200	22.78	22.33	22.93	22.33	22.93	22.33	22.78	-0.2 -0.1
150	22.75	22.00	22.60	22.00	22.60	22.00	22.75	-0.3 0.0
100	22.92	22.67	22.27	22.67	22.27	22.67	22.92	0.0 -0.3
50	22.78	22.33	22.93	22.33	22.93	22.33	22.78	-0.1 -0.1
0 = W.L. De Foe	22.75	22.00	22.60	22.00	22.60	22.00	22.75	0.0 -0.2

S. Long Branch Ave. ℄ N.

600=EL Abbott	4.55	4.30	3.70	3.80	3.15	3.30	3.55	-.22 -1.4
550	4.65	4.40	3.83	3.96	3.34	3.53	3.78	-.20 -1.2
500	4.75	4.50	3.96	4.13	3.53	3.75	4.00	-.20 -1.4
450	4.85	4.60	4.08	4.29	3.71	3.98	4.23	-.22 -1.4
400	4.95	4.70	4.21	4.45	3.90	4.20	4.45	-.20 -1.5
350	5.05	4.80	4.34	4.61	4.09	4.43	4.68	-.21 -1.8
300	5.15	4.90	4.47	4.78	4.28	4.65	4.90	-.22 -2.0
250 for Abbott Intersec. see next page	5.25	5.00	4.59	4.94	4.46	4.88	5.13	-.22 -1.9
200	5.35	5.10	4.72	5.10	4.65	5.10	5.35	-.20 -1.9
150	5.45	5.20	4.85	5.26	4.84	5.33	5.58	-.16 -1.7
100	5.55	5.30	4.98	5.42	5.03	5.55	5.80	-.13 -1.5
50	5.65	5.40	5.10	5.59	5.21	5.78	6.03	-.09 -1.2
0=W.L. Bacon	5.75	5.50	5.23	5.75	5.40	6.00	6.25	-.03 -0.5
W. Curb	5.50	5.50	5.31	5.83	5.48	6.00	6.00	
	4.50	4.50				5.00	5.00	
W.W.	5.23	4.63	5.40	5.92	5.57	5.13	5.73	
Center	5.75	4.75	5.48	6.00	5.65	5.25	6.25	+0.5 .00
E.W.	5.40	4.88	5.57	6.08	5.73	5.38	5.90	
	5.00	5.00				5.50	5.50	
E. Curb	6.00	6.00	5.65	6.17	5.82	6.50	6.50	
5975=EL Bacon	6.25	6.00	5.73	6.25	5.90	6.50	6.75	-.01 -.03
550	7.48	7.23	6.90	7.36	6.98	7.49	7.74	
5011=P.L.	8.75	8.50	8.10	8.50	8.10	8.50	8.75	-.02 .00
450	9.41	9.16	8.76	9.16	8.76	9.16	9.41	-.02 +.02
400	10.06	9.81	9.41	9.81	9.41	9.81	10.06	-.03 .00
350	10.71	10.46	10.06	10.46	10.06	10.46	10.71	-.04 -.01
300	11.36	11.11	10.71	11.11	10.71	11.11	11.36	-.06 -.04
250	12.01	11.76	11.36	11.76	11.36	11.76	12.01	-.05 -.02
200	12.66	12.41	12.01	12.41	12.01	12.41	12.66	-.05 -.02
150	13.30	13.05	12.65	13.05	12.65	13.05	13.30	-.01 -.01
100	13.95	13.70	13.30	13.70	13.30	13.70	13.95	-.02 .00
50	14.60	14.35	13.95	14.35	13.95	14.35	14.60	.00 .00
0=W.L. Cable	15.25	15.00	14.60	15.00	14.60	15.00	15.25	-.03 -.01

CHESTNUT ST. 10' walk

see Book 922



LONG BRANCH AVE.

Abbott St. Intersection

	S			℄			N.	
WL. Abbott	4.05	3.80	3.70	3.30	2.65	2.80	3.05	-1.8 -0.9
Curb	3.80	3.80	3.78	3.38	2.73	2.80	2.80	
	2.80	2.80				1.80	1.80	
1/4	3.53	2.93	3.37	3.27	2.87	1.93	2.53	
Center	4.05	3.05	3.45	3.55	2.90	2.05	3.05	-1.8 -0.7
1/4	3.70	3.18	3.53	3.63	2.98	2.18	2.70	
	3.30	3.30				2.30	2.30	
Curb	4.30	4.30	3.67	3.77	3.07	3.30	3.30	
EL. Abbott	4.55	4.30	3.70	3.80	3.15	3.30	3.55	

Chestnut St. 50' wide 10' walks

S. E. N.

200	239.50	239.00	238.75	238.50	238.50
146.85	238.26	238.19	238.78	238.18	
115	238.90	238.63	238.88	238.69	
	238.63	238.10	238.63	238.60	
100	238.58	238.00	238.58	238.00	
	238.58	237.00	238.41	238.92	
86	238.51	238.36	238.80	238.53	
	238.09	238.32	238.33	238.33	
75	238.50	238.53	238.78	238.19	
	238.58	238.50	238.93	238.38	
60	238.78	238.60	238.70	238.50	
	238.63	238.50	238.81	238.58	
50	238.75	238.50	238.99	238.38	
	238.58	238.00	238.53	238.83	
25	238.00	238.50	238.70	238.56	
	238.75	238.50	238.93	238.49	
	-2.7			-.9	
O=W.L. Witherby	238.23	238.00	238.60	238.23	238.50

252.03
0.39 H.I.
252.42
249.83
2.59
5.99
-3.4

250.25
2.17
7.47
-5.3

13.01
239.41 STD.
0.58
239.99 H.I.
247.25
7.26
6.24
-13.5

12.57
227.42 S.P.
1.84
229.26 H.I.
246.04
16.78
5.72
-22.5

246.85
6.36
7.24
-13.6

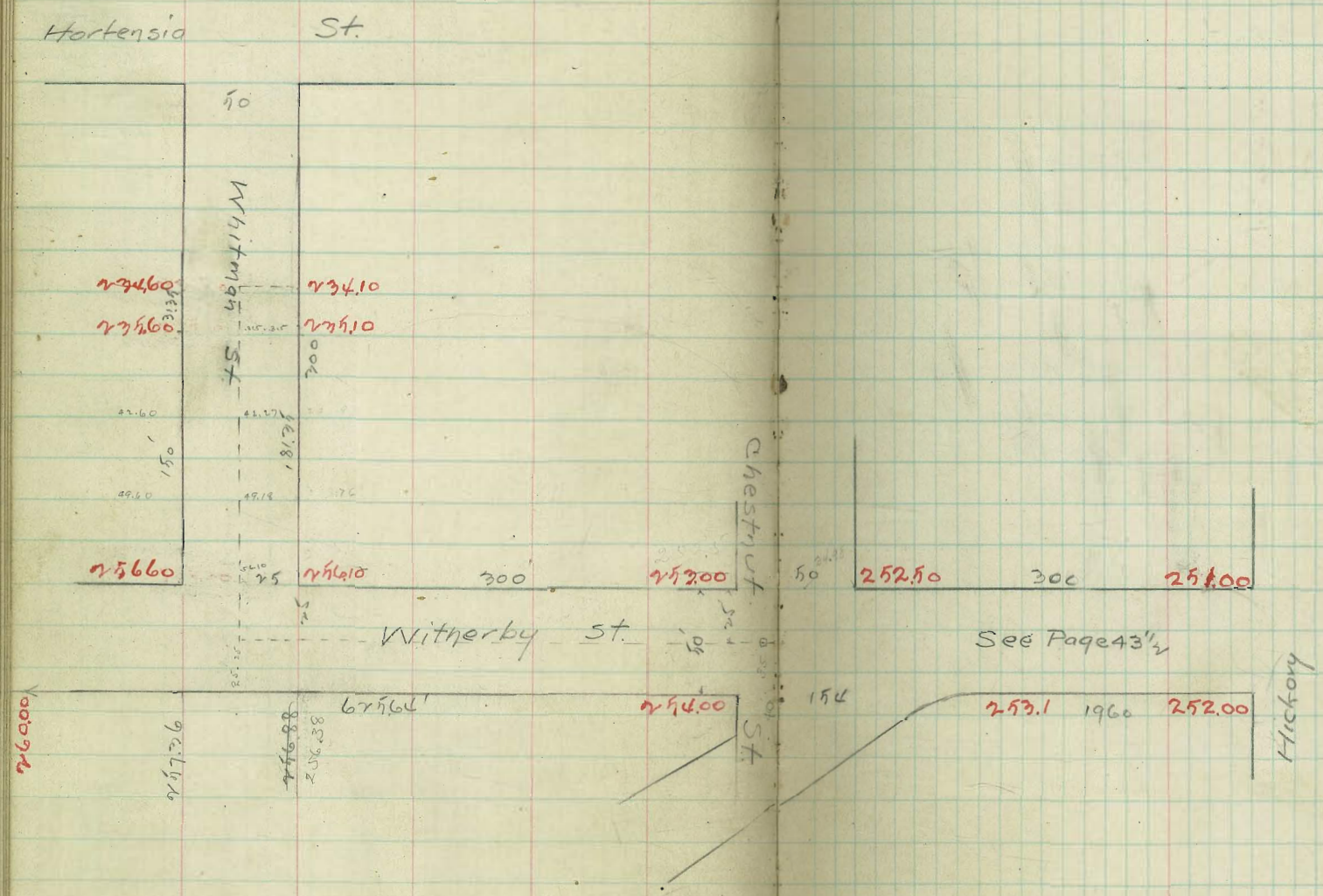
246.92
6.98
10.23
-17.2

244.88
14.92
11.46
-26.4

244.44
18.18
0.82
-16.00

WHITMAN ST.
And
WITHERBY ST.

See Book 922



Whitman St. See Book 9??

	S		E			N
181.35' W.		9?460	-137 9?3?.3?5	9?383	9?410	-16 9?3?.3?5
150		9?5?60	-66 9?5?.3?5	9?483	9?5?10	+16 9?5?.3?5
1?5			9?885	9?833	9?860	9?885
100			-?8 9?8?.3?5	9?183	9?810	+17 9?8?.3?5
75			9?5?85	9?5?33	9?5?60	9?5?85
50			-43 9?4?.3?5	9?483	9?410	-15 9?4?.3?5
0?			9?0?85	9?0?33	9?0?60	9?0?85
O=W.L. Witherby		9?6660	-61 9?6?.3?5	9?683	9?610	-69 9?6?.3?5
W.L. Witherby		9?6660	9?6?.3?5	9?683	9?610	9?6?.3?5
Curb			9?6?.1	9?6?.16	9?6?.10	9?6?.10
"					9?5?.10	9?5?.10
"			9?66.??	9?6?.40	9?6?.19	9?5?.90
Center			-33 9?6?.??	9?667	9?659	9?649
"						
Curb	9?736		9?7.1?			9?6.88
E.L. Witherby						

252.03
3.27
255.30 H.I.

249.35
5.95
7.35
-1.4

249.35
5.95
10.15
-4.2

242.35
12.95
11.05
+1.9

13.00
242.30
1.08
243.38
242.35
1.03
3.53
-2.5

J.P.

235.35
8.03
12.03
-4.0

8.03
6.93
+1.1

B.M. 255.03 N.W. Cor. Wetherby & Hickory.

257.57 56.60 1.97 | 257.57 56.10 1.47 | 257.57 49.19 8.09 | 257.57 48.76 8.83 | 264.67 41.98 2.74 | 264.67 42.27 2.40 | 264.67 35.10 9.57 F 40.8 | 264.67 35.35 9.32 | 264.67 34.10 10.57

Set first curbs - Properties & Centers - Curbs on 3' offsets Oct 16-1911 {Dorman, Wetten, Shaw}

Checked grading but could not accept it Oct 17-1914 {Dorman, Wetten, Shaw}

256.10 T.P. 256.34 | 256.10 0.24 | 256.10 7.24 | 256.34 10.03 256.31 .23 256.54 | 247.13 2.54 | 256.30 9.24 Curb Stakes 11/17/14 Gregory, Shoemaker, Moore.

Witherby St.

Book 3645

	W.		℄		E.
0 = SL Chestnut	300.75	300.00	298.65	300.50	304.00
50	300.71	300.76	300.10	300.75	
50	300.77	300.75	300.36	300.00	
75	304.03	300.78	300.61	300.75	
100	304.98	304.03	300.87	300.50	
150	304.94	304.94	304.12	304.75	
150	304.80	304.65	304.38	305.00	
175	305.06	304.81	304.63	305.34	
200	305.34	305.07	304.88	305.49	
250	305.58	305.34	305.12	305.72	
300	305.53	305.58	305.39	305.99	
350	306.09	305.85	305.65	306.34	
400 = NL Whitman	306.34	306.10	305.90	306.49	306.88

NL Chestnut 304.50

Curb

11"

see Page 43 1/2

Center 300.75 300.94 300.10 300.75

11" 22 300.40 300.77 300.34 300.77

Curb 22 300.00 300.00 300.94 300.40

SL Chestnut 10 300.75 300.00 298.65 300.50 304.00

Sunset Blvd. 260.00

B.M. 262.48 cor. Ft Stockton & Weatherby brass plug S.E.

1.56

264.04 H.I.

12.01

252.03

7.89

259.92 H.I.

252.75 7.17 | 253.50 6.42 | 253.52 6.40 | 254.50 5.42 | 254.52 4.92

253.00 6.92 | 254.0 5.92 | 254.03 5.89 | 254.55 5.37

253.49 4.43 | 253.49 3.93 | 253.58 4.34 | 256.10 3.82 | 256.49 3.43 | 256.35 3.57

~~253.07~~ 4.85

256.74 3.18

253.8 11.42

262.03

263.45

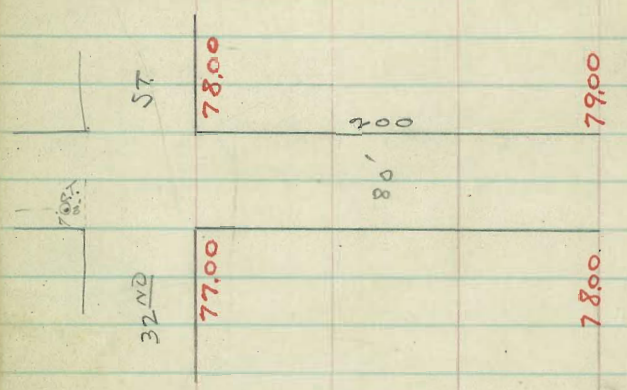
1.48

262.48 | 253 5.71 | 253.37 5.19 | 254.03 4.68 | 254.55 4.16 | 255.07 3.64 | 255.58 3.13 | 256.10 2.61

Curb Stakes 11/16"

Gregory
Sinnemaker
Moore

L ST. Oct. 8, 1914



	S.			℄.			N.	
0 = E.L. 32ND	77.75	77.00	76.85	77.50	77.60	78.00	78.75	+1.7 +0.3
25								
50	77.50	77.75	77.10	77.75	77.65	78.75	78.50	+1.5 +0.6
75								
100	77.75	77.50	77.35	78.00	77.90	78.50	78.75	+1.7 0.0
125								
150	78.00	77.75	77.60	78.75	78.15	78.75	79.00	+1.1 −0.7
175								
200 E.	78.75	78.00	77.85	78.50	78.60	79.00	79.75	+0.5 −0.3

L ST LINES EAST OF 32nd ST ARE THE PRODUCTIONS OF LINES WEST OF 32nd R.M.G.

37

BP. 77.05 S.W. 32ND & L — 77.50 77.75 78 78.25 — Cuts + Fills 4/2/15 Gregory, Shoemaker, Moore

5.12 / 83.17

78.25 78.50 78.75 79 79.25

BP. 77.05 S.W. 32nd & L — 77 77.25 77.25 77.50 77.50 77.75 77.75 78 78 78.25

5.12 / 83.17

78 78.25 78.25 78.50 78.50 78.75 78.75 79 79 79.25

5.94 / 82.99 K.T.

Curbs + Properties 4/7/15 Gregory, Shoemaker, Moore

78.00 / 4.99 — 79.00 / 3.99 — 78.75 / 4.24 — 77.75 / 5.24 — 77.50 / 5.49 — 77.50 / 4.49

78.75 / 4.74 — 77.25 / 5.74 — 77.0 / 5.99 — 78.0 / 4.99

chk. OK. Schofield, Allen, Kerr

Apr. 10/15

Lark St.

Vertical Curve

	W			℄			E	
0=SLFt Stockton	272.25	272.00	271.85	272.50	272.40	273.00	273.25	✓
25	272.56	272.31	272.16	272.81	272.71	273.31	273.56	✓
50	272.88	272.63	272.48	273.13	273.03	273.63	273.88	✓
60	273.00	272.75	272.60	273.25	273.15	273.75	274.00	✓
75	273.16	272.91	272.75	273.40	273.30	273.90	274.15	✓
85	273.26	273.01	272.85	273.50	273.40	274.00	274.25	✓
100	273.34	273.09	272.93	273.57	273.44	274.04	274.29	✓
110	273.40	273.15	272.98	273.61	273.47	274.07	274.32	✓
125	273.43	273.18	272.99	273.60	273.43	274.03	274.28	✓
135	273.45	273.20	273.00	273.60	273.40	274.00	274.25	✓
150	273.34	273.09	272.88	273.48	273.27	273.87	274.12	✓
160	273.26	273.01	272.80	273.40	273.19	273.79	274.04	✓
175	273.18	272.93	272.69	273.24	272.95	273.55	273.80	✓
185	273.13	272.88	272.61	273.14	272.79	273.39	273.64	✓
200	272.92	272.67	272.32	272.89	272.62	273.10	273.35	✓
210	272.78	272.53	272.13	272.72	272.50	272.90	273.15	✓
225	272.50	272.25	271.85	272.38	272.10	272.50	272.75	✓
235	272.32	272.07	271.67	272.16	271.84	272.24	272.49	✓
250	271.98	271.73	271.33	271.74	271.35	271.75	272.00	✓
260	271.75	271.50	271.10	271.46	271.02	271.42	271.67	✓
275	271.38	271.13	270.65	271.00	270.53	270.89	271.14	
300=NL Washington	270.75	270.50	269.90	270.25	269.73	270.00	270.25	✓

Points Tie out

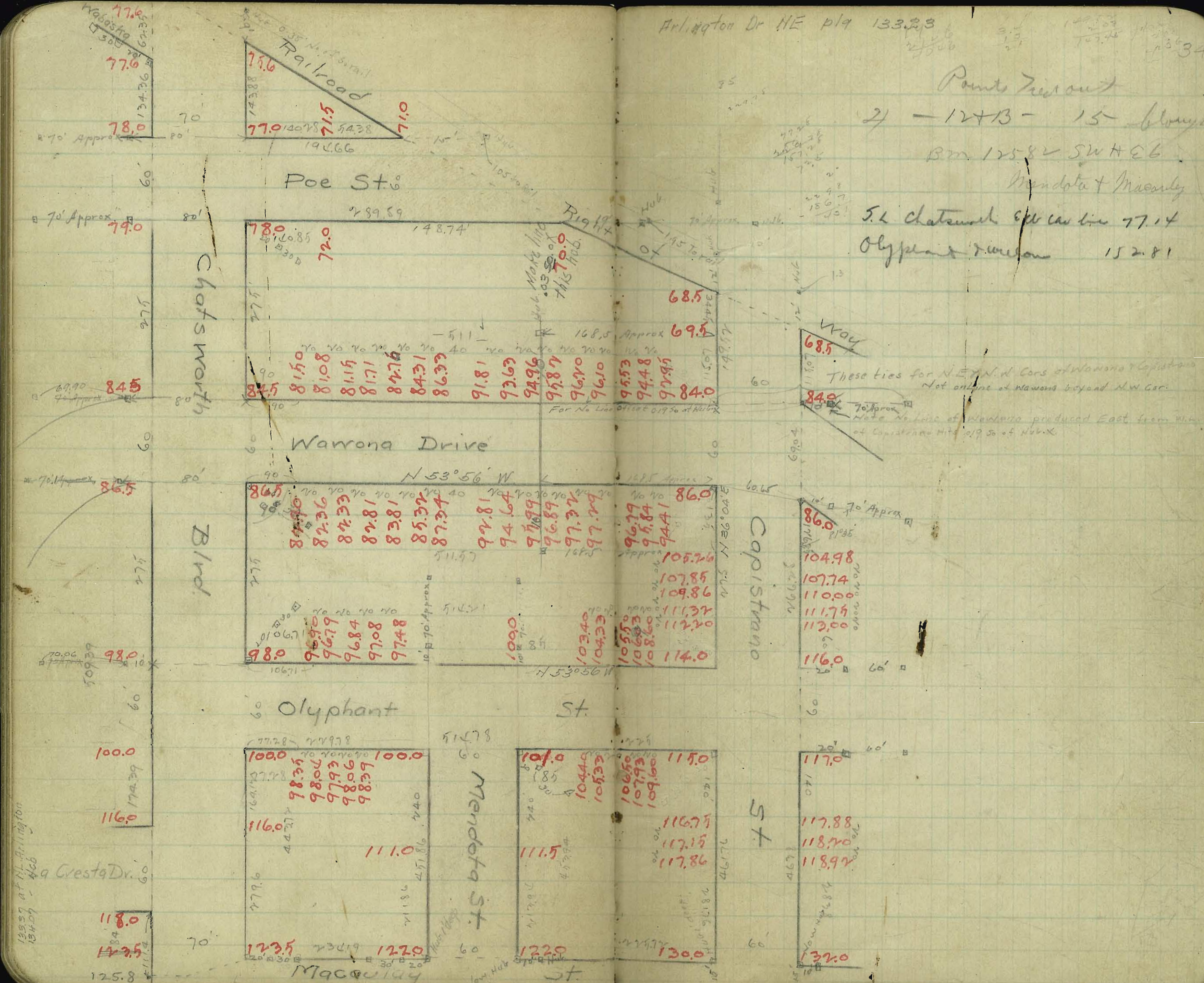
2 — 12+13 — 15

B.M. 125.82 SW H E6

Mendota + Macauly

S.L Chatsworth car line 77.14

Olyphant 152.81



Chatsworth Blvd — Book 869

	W.		℄				E
N.L. Wabaska = S.L. Right o' Way on W.	77.85	77.60					
Curb	77.60 / 76.60	77.60 / 76.60					
1/4	77.20	77.20	77.10				
Center	77.60	77.60	77.10	76.60			
1/4	77.20	77.20	76.87	76.47	76.10	75.54	
S. Curb on W. =	76.60 / 77.60	76.60					
143.88 = S.L. Right o' Way on E.		77.60	77.00	76.60	75.70	75.60	75.85
Wabaska 134.36 = S.L.	77.85	77.60	77.00 (77.30)	76.65 (76.90)	75.77 (76.10)	75.69	75.94
100	77.95	77.70	77.10	76.87	76.05	76.03	76.28
75	78.07	77.78	77.18 (77.30)	77.03 (77.28)	76.25 (76.76)	76.27	76.52
50	78.10	77.85	77.25	77.18	76.45	76.51	76.76
0 = N.L. Poe	78.25	78.00	77.40 (77.65)	77.50 (77.75)	76.85 (77.30)	77.00	77.25

157.48 to end of curb

N.L. Poe	78.25	78.00	77.40	77.50	76.85	77.00	77.25
Curb	78.00 / 77.00	78.00 / 77.00	77.57	77.67	77.02	77.00 / 76.00	77.00 / 76.00
1/4	77.85	77.25	77.73	77.83	77.18	76.75	76.85
Center	78.50	77.50	77.90	78.00	77.35	76.50	77.50
1/4	78.40 / 78.00	77.75 / 78.00	78.07	78.17	77.52	76.75 / 77.00	77.40 / 77.00
Curb	79.00	79.00	78.23	78.33	77.68	78.00	78.00
S.L. Poe	79.25	79.00	78.40	78.50	77.85	78.00	78.25

0 = S.L. Poe	79.25	79.00	78.40 (78.85)	78.50 (78.75)	77.85 (78.50)	78.00	78.25
50	80.25	80.00	79.44	79.59	78.99	79.18	79.43
100	81.25	81.00	80.47 (80.79)	80.68 (80.93)	80.12 (80.57)	80.26	80.61
126 = alley, 149; 150	82.25 (81.85, 82.15)	82.00 (81.52, 81.98)	81.51	81.77	81.26	81.54	81.89
200	83.25	83.00	82.?? (82.93)	82.86 (83.11)	82.40 (82.54)	82.73	82.98
250	84.25	84.00	83.58	83.95	83.53	83.91	84.16
275 = N.L. Wawona	84.75	84.50	84.10 (84.55)	84.50 (84.71)	84.10 (84.55)	84.50	84.75

75.25 76.23 76.76 77.25 78.25 79.43 80.61 81.79 82.98 84.25 84.75 — cuts & fills 5/17/16 Gregory Moore Miller

73.02 = bottom of C.B. #9 dist bet. 9 & 10 = 50.0
71.75 = " " " #10
70.43 = " " " 10 changed by water pipe

dist bet. ℄ 6 & 11 = 150.74
" ℄ 11 & ℄ 13 = 110.7

71.67 = Bottom of Pipe C.B. #7
72.06 = 100 stake at C.B. #11
70.98 = 50 Stake at C.B. #11.
74.22 = Bottom of Pipe 13.5 So. of C.B. #7
72.73 = " " " at C.B. #6 where it joins 24" pipe
71.07 = " " " 50' So. of C.B. #6
69.40 = " " " 100 " "
67.75 = " " " at C.B. #11

65.58 = Bottom of C.B. # 13
66.45 = Bottom " 24" pipe 50' So. of #14
70.96 = Curb grade at C.B. #12

66.04 = Bottom of C.B. #12
67.16 = " " pipe 50' No. of #12
68.27 = " " " 100 " " "
69.39 = " " " 150 " " "
70.50 = " " " 200 " " " =
70.42 = " " " 250 " " " = L pt.

70.57 = No. End of Curb at C.B. #13
70.45 = 50 " " " "
68.56 = East stake at C.B. 14
68.75 = West " " " "
68.05 East " " " 15
68.81 West " " " 15

63.14 = bottom of C.B. 14
65.59 = " " pipe at L pt. 13
65.13 = 50 So. " " L pt 50 of C.B. 13
64.71 = 100 " " of " "
64.29 = 150 " " " "
63.86 = 200 " " " "
63.44 = 250 " " " "

curb Stakes set 4' from Curb line 5/18/16 Gregory Moore Miller

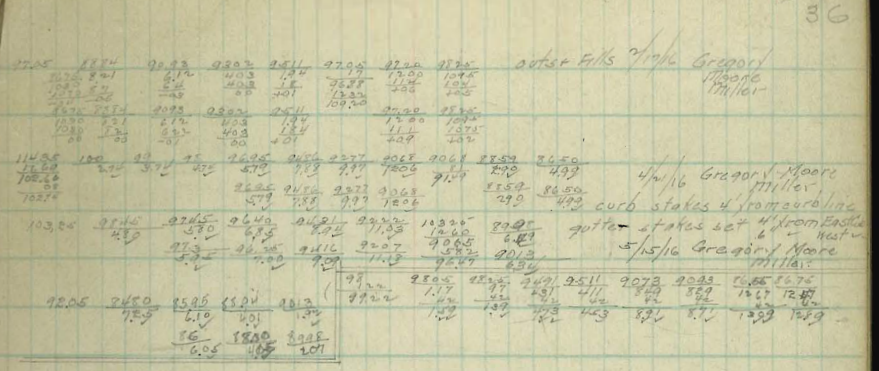
gutter stakes 1' from gutter 5/22/16 G M M

1/4's & ctrs 5/29/16 Gregory Moore

Chatsworth Billyard

	W.		℄.				E.
NL. Warrona	8475	8450	8410	8450	8410	8450	8475
Curb	8450	8450	8443	8483	8443	8450	8450
	8350	8350				8350	8350
"	8460	8400	8477	8517	8477	8400	8460
Center	8550	8450	8510	8550	8510	8450	8550
"	8590	8500	8543	8583	8543	8500	8500
	8550	8550				8550	8550
Curb	8650	8650	8577	8617	8577	8650	8650
SL. Warrona	8675	8650	8610	8650	8610	8650	8675
=SL. "	8675	8650	8610	8650	8610	8650	8675
50	8884	8859	8819	8859	8819	8859	8884
100	9093	9068	9028	9068	9028	9068	9093
150	9302	9277	9237	9277	9237	9277	9302
200	9511	9486	9446	9486	9446	9486	9511
250	9720	9695	9655	9695	9655	9695	9720
275=NL. Olyphant	9825	9800	9760	9800	9760	9800	9825
NL. Olyphant	9825	9800	9760	9800	9760	9800	9825
Curb	9858	9833	9793	9833	9793	9800	9800
						9700	9700
"	9892	9867	9827	9867	9827	9750	9810
Center	9925	9900	9860	9900	9860	9800	9900
"	9958	9933	9893	9933	9893	9850	9940
						9900	9900
Curb	9992	9967	9927	9967	9927	10000	10000
=SL. "	10025	10000	9960	10000	9960	10000	10025

See Next Page



Chatsworth Blvd.

	W.		℄				E
NL. La Cresta Dr.	11625	11600	11560	11600	11560	11600	11625
Curb	11600	11600	11598	11643	11609	11652	11677
	11500	11500					
"	11610	11550	11636	11685	11658	11704	11729
Center ℄	11700	11600	11674	11728	11707	11756	11781
"	11740	11650	11712	11771	11755	11808	11833
	11700	11700				118.30	
Curb	11800	11800	11750	11813	11804	11860	11885
0=SL. " "	11825	11800	11788	11856	11853	11913	11938
40.6						120.89	
						121.29	121.49
50		121.25				121.73	121.98
84.13=NL. Macaulay	12375	12350	12310	12350	12310	12350	12375
114.0 on W. " on E	125.50	125.25				123.50	123.75

0=SL. Olyphant	10025	10000	9960	10000	9960	10000	10025
50	10297	10267	10227	10267	10227	10267	10297
100	10559	10534	10494	10534	10494	10534	10559
150	10825	10801	10762	10802	10762	10801	10825
170.29 = a Mar. 06	109.57	109.11	109.19	109.84	109.19	109.84	109.57
198.39	110.64	110.61	109.99	110.39	109.99	110.39	110.64
200	110.92	110.68	110.29	110.69	110.29	110.68	110.92
250	113.58	113.36	112.96	113.36	112.96	113.36	113.58
La Cresta							
299.39=NL.	11625	11600	11560	11600	11560	11600	11625

124.65 = SE cor Mosanley + Chatsworth

gutter stakes 5/17/16 Gregory Moore Miller

124.65 SE Mosanley + Chatsworth

curb stakes 4' from curb line 4/11/16 Gregory Moore Miller

gutter stakes 4' from curb on East Side 5/15/16 Gregory Moore Miller

NL. Macaulay

degree sel section

4 line 14 C.

W. Capistrano St. Book 493 E.

NL. Olyphant	11425	11400	11410	11500	11540	11600	11625
Curb	11400	11400	11427	11517	11557	11600	11600
	11300	11300				11500	11500
℄	11385	11375	11443	11533	11573	11525	11585
Center ℄	11450	11450	11460	11550	11590	11550	11650
℄	11440	11375	11477	11567	11607	11575	11640
	11400	11400				11600	11600
Curb	11400	11500	11493	11583	11623	11700	11700
SL Olyphant	11525	11500	11510	11600	11640	11700	11725

Iron high 93.00 from iron in spore

0 = SL Olyphant	11525	11500	11510	11600	11640	11700	11725	-1.0 +6.3
50	11588	11563	11565	11647	11671	11731	11756	-1.6 +5.8
100	11650	11625	11619	11694	11703	11763	11788	-1.5 +6.6
140	11700	11675	11663	11731	11728	11788	11813	
150	11720	11695	11683	11750	11744	11804	11829	-1.6 +6.5
160	11740	11715	11702	11768	11760	11820	11845	
180	11811	11786	11773	11839	11832	11892	11917	
200	11897	11872	11861	11928	11924	11984	12009	-1.0 +7.7
250	12113	12088	12080	12151	12155	12215	12240	-1.8 +7.9
300	12328	12303	12299	12374	12386	12445	12470	-1.6 +1.7
350	12543	12518	12518	12597	12617	12676	12701	-0.7 +1.2
400	12759	12734	12737	12820	12848	12906	12931	-1.3 +2.9
450	12974	12949	12956	13043	13079	13136	13161	
46176 on W.								
46328 " E.	13025	13000	13010	13100	13140	13200	13225	-0.8 +3.0
= NL. Macaulay								

						13564								
						3.33								
						12231								
						1.22								
12465	12038	12764	12543	12328	12412	12312	11897	11811	11714	117	11662	11588	115	
8.76	6.76	8.1	12.6	18.4	12.13	6.5	5.86	6.02	6.60	4.60	7.48	8.21		
13.09	12.32	7.7	11.6	10.3	2.33	2.33	1.7	2.17	2.25	2.00	2.41	1.97		
2.40			-.05	-.08	1.33	1.33	-.08	-.08	-.05	.00	-.01	-.07		
12.79	12.35	12.72	12.21	12.17	12.21	120.00	11.97	11.82	11.13		11.78	11.76	11.75	
2.45	8.13	6.85	8.57	11.0	1389	7.6	1.2	.50	.833		5.48	7.9	6.21	
13.24	4.2	4.2	7.3	11.0	1.7	7.3	1.7	1.4	.5		3.2	2.3	3.0	
	7.1	7.7	7.13	7.10	2.1	7.7	1.6	1.6	1.18		12.3	1.80	5.12	
12.70	12.0	12.24	12.06	12.24	12.18	12.676	12.46	12.05	12.078	12.18	12.54	11.94	11.84	11.80
12.25	2.3	2.28	3.17	4.89	4.05	5.47	7.83	7.89	11.36		12.39	3.42	3.41	4.33
	1			1.4						1.09		12.53		curb stakes
	11.78	11.72	11.81	11.7	11.4	11.4	11.6	11.5	11.58	11.76	11.75	11.76	11.72	4' from curb
	8.2	1.99	6.7	5.49	6.8	1.99	1.1	9.53	6.98	5.9	4.8	1.29	3.71	line 4/16
								1.1						

Gregory Moore Miller

Gregory Moore Miller

12590	12333	12669	12451	12236	12021	12200	11806	11714	11688	11603	11558	1593			
3.1	8.9	3.29	7.9	9.4	12.09	12.47	3.7	4.07	4.79	5.8	5.5	6.33	6.76		
13.90	12.2	12.36	12.36	12.36	12.35	11.983	12.04	11.72	11.74	11.705	11.688	11.651	11.6		
	1	.24	6.24	3.65	1.95	1.49	3.22	2.16	3.36	4.19	4.43	4.75	5.0		
						121.82									

gutter stakes set 4' from curb 5/16
Gregory Moore Miller

Capistrano St

	W.			℄			E.
SL Right of Way	6875	6833	6810	6850	6810	6773	6875
115.07 = Ro.W. on E	6975	6950	6890	6900	6835	6850	6875
110	70.39	70.14	69.55	69.66	69.02	69.18	69.43
75	74.80	74.55	74.02	74.22	73.66	73.90	74.15
50	77.95	77.70	77.21	77.48	76.97	77.26	77.51
25	81.10	80.85	80.41	80.75	80.29	80.63	80.88
0 = NL Warrona	84.25	84.00	83.60	84.00	83.60	84.00	84.25
NL Warrona	84.25	84.00	83.60	84.00	83.60	84.00	84.25
Curb	84.00	84.00	83.93	84.33	83.93	84.00	84.00
	83.00	83.00				83.00	83.00
1½	84.10	83.50	84.27	84.67	84.27	83.50	84.10
Center	85.00	84.00	84.60	85.00	84.60	84.00	85.00
1½	85.40	84.50	84.93	85.33	84.93	84.50	85.40
	85.00	85.00				85.00	85.00
Curb	86.00	86.00	85.57	85.67	85.27	86.00	86.00
275 on W. 266.25 on E =							
SL Warrona	86.25	86.00	85.60	86.00	85.60	86.00	86.25
250	89.82	89.57	89.17	89.52	88.04	88.44	88.69
225	93.38	93.13	92.73	92.68	91.80	92.20	92.45
175	100.52	100.27	99.87	100.00	99.32	99.72	99.97
150	104.08	103.83	103.43	103.66	103.08	103.48	103.73
149	104.50	103.95					
140	105.51	105.26	104.86	105.12	104.58	104.98	105.23
126	106.80	107.07					
125	107.45	107.20	106.80	107.13	106.65	107.05	107.30
120	108.10	107.85	107.45	107.80	107.34	107.74	107.99
100	110.11	109.86	109.46	109.93	109.60	110.00	110.25
80	111.57	111.32	110.92	111.54	111.35	111.75	112.00
75	111.79	111.54	111.19	111.81	111.61	112.06	112.31
60	112.45	112.20	112.00	112.60	112.40	113.00	113.25
30		113.10				114.2	
0	113.60	113.25	113.23	114.00	114.15	114.75	115.00
0 = NL Olyphant	114.25	114.00	114.10	115.00	115.40	116.00	116.25

+03 +12

+07 -05

-09 -07

-10 +07

+73 +84

+62 +6.1

+72 +3.1

+05 +06

+08 +07

+07 +08

9830
492
9338 = NW W+C

cuts + fills 5/20/16 Gregory Moore Miller

curb stakes 4' from curb 5/19+22/16 Gregory Moore Miller

gutter stakes 4' from curb 5/20/16 Gregory Moore Smith

Wawona Drive

N. ℄ Book 325 S.

Station	N.			℄			S.	
511 N. / 511.5755 = W.L. Capis- (trans)	×8425	8400	8410	8500	8540	8600	8625	-1.0 +7.6
460 / 450	×89.66 (88.72)	89.41 (88.47)	89.44	90.26	90.50	91.10 (90.20)	91.35 (90.45)	+0.5 +4.6
410	×93.20	92.95	92.92	93.68	93.81	94.41	94.66	
400	94.47	94.22	93.67	94.42	94.53	95.13	95.38	-1.0 +3.8
390	×94.73	94.48	94.42	95.16	95.24	95.84	96.09	
370	×95.78	95.53	95.45	96.16	96.19	96.79	97.04	
350	×96.35	96.10	96.00	96.70	96.69	97.29	97.54	+1.6 +5.8
330	96.45	96.20	96.08	96.76	96.72	97.32	97.57	
310	96.07	95.82	95.69	96.36	96.29	96.89	97.14	
300	95.64	95.39	95.26	95.92	95.84	96.44	96.69	+3.8 +5.0
290	95.21	94.96	94.82	95.48	95.39	95.99	96.24	
270	93.88	93.63	93.49	94.14	94.04	94.64	94.89	
250	92.06	91.81	91.66	92.31	92.21	92.81	93.06	+3.8 +2.3
210	86.58	86.33	86.19	86.84	86.74	87.34	87.59	
200	85.57	85.32	85.18	85.83	85.73	86.33	86.58	+1.6 -1.3
190	84.56	84.31	84.17	84.82	84.72	85.32	85.57	
170	83.01	82.76	82.63	83.29	83.21	83.81	84.06	
155.45 So. / 155.03 No. / 155	~~82.21~~ 82.22 (prop = 82.01)	81.97	81.85	82.52	82.46	83.06 (83.08)	83.31 (83.13)	
150	81.96	81.71	81.59	82.26	82.21	82.81	83.06	-4.7 -5.6
140	81.68	81.43	81.32	82.00	81.97	82.57	82.82	
138.08 / 137.80 on So.	81.57	81.21				82.39	82.74	
130	81.40	81.15	81.05	81.74	81.73	82.33	82.58 ✓	
110	81.33	81.08	81.00	81.72	81.76	82.36	82.61	
100	81.54	81.29	81.23	81.96	82.03	82.63	82.88	-2.1 -1.0
90	81.75	81.50	81.45	82.20	82.30	82.90	83.15	
50	83.08	82.83	82.85	83.67	83.90	84.50	84.75	-3.2 -2.3
0 = E.L. Chatsworth	84.75	84.50	84.60	85.50	85.90	86.50	86.75	-2.7 -1.1

Pipe at 139 E of Chatsworth on No. side. 7.2 No. of Eastline = Outlet.
" " 155 " " " " So. " 7.4 So. " " " = Inlet.

7714 NE Chats. + ROW

gutter stakes 4' from curb

Gregory Moore Miller

[illegible]

N. Olyphant ℄ S.

		1/2 room low level high.ve below						
EL. Mendota	100.25	100.00	99.85	100.50	100.40	101.00	101.25	
Curb	100.01	99.76	99.63	100.30	100.39	101.00	101.00	
						100.00	100.00	
11℄	99.76	99.51	99.40	100.09	100.17	99.75	100.40	
Center	99.52	99.27	99.18	99.89	100.00	99.50	100.50	
11℄	99.27	99.02	98.96	99.68	99.73	99.25	99.85	
						99.00	99.00	
Curb	99.03	98.78	98.73	99.48	99.57	100.00	100.00	
2.30=WL. Mendota	98.79	98.54	98.51	99.27	99.40	100.00	100.25	-1.7+0.7
200	98.05	97.80	97.79	98.57	98.74	99.34	99.59	-2.9-0.7
18671	97.73	97.48	97.47	98.26	98.64	99.04	99.29	
175	97.50	97.25	97.23	98.01	98.18	98.78	99.03	
16671	97.33	97.08	97.06	97.84	98.00	98.60	98.85	
	aller 97.15	96.98						
15728	97.22	96.97	96.93	97.68	97.79	98.39	98.64	
150	97.13	96.88	96.83	97.58	97.67	98.27	98.52	-2.9-3.8
14671	97.09	96.84	96.79	97.53	97.62	98.22	98.47	
13728	97.07	96.82	96.73	97.44	97.46	98.06	98.31	
	aller	96.81				97.60 = aller	98.23	
12671	97.04	96.79	96.69	97.39	97.39	97.99	98.24	
11728	97.09	96.84	96.74	97.44	97.33	97.93	98.18	
						97.97	98.21	
10671	97.15	96.90	96.80	97.45	97.39	97.99	98.24	
100	97.22	96.97	96.84	97.50	97.43	98.03	98.28	-0.9+2.0
9728	97.25	97.00	96.86	97.52	97.44	98.04	98.29	
9728	97.45	97.20	97.09	97.78	97.75	98.35	98.60	
50.8						98.88		
50	97.73	97.48	97.45	98.21	98.33	98.93	99.18	+2.1+3.0
0=EL Chatsworth	98.25	98.00	98.10	99.00	99.10	100.00	100.25	-0.8+1.5

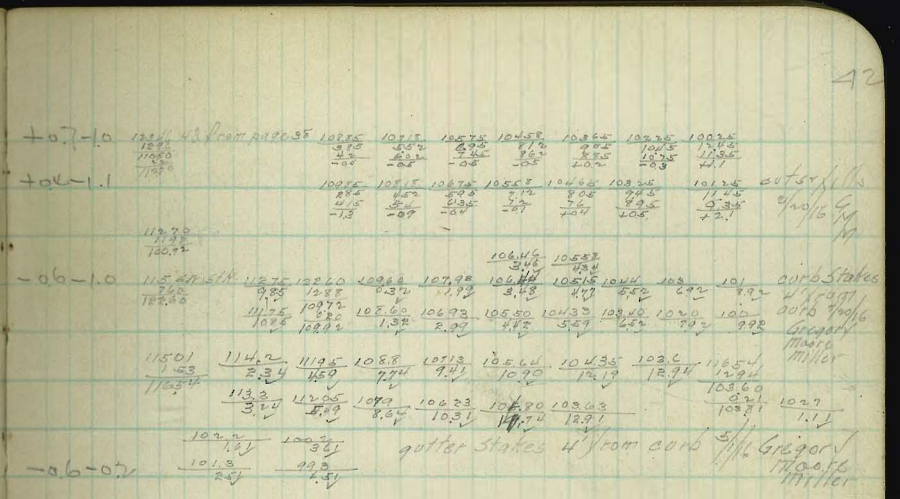
cuts + fills 2/26/16 G M

curb stakes 4' from gro. line 2/26/16 Gregory, Moore & Miller

4' from curb gutter stakes 5/16 Gregory Moore Miller

Oilyphant St.

	N.		℄.			S.		
225=WL Capistrano	114.25	114.00	113.85	114.50	114.40	115.00	115.25	+0.7 −1.0
200	112.00	111.75	111.60	112.25	112.15	112.75	113.00	+0.4 −1.1
175	108.85	108.60	108.45	109.10	109.00	109.60	109.85	
150	107.60	107.35	107.20	107.85	107.75	108.35	108.60	−0.6 −1.0
125	107.18	106.93	106.78	107.43	107.33	107.93	108.18	
125	105.75	105.50	105.35	106.00	105.90	106.50	106.75	
						106.44 = valley	106.46 Prof	
105	104.58	104.33	104.18	104.83	104.73	105.33	105.58 = pmp	
						105.15 = alley		
100	104.35	104.10	103.95	104.60	104.50	105.10	105.35	−0.6 −0.7
85	103.65	103.40	103.25	103.90	103.80	104.40	104.65	
50	102.25	102.00	101.85	102.50	102.40	103.00	103.25	−0.7 +0.3
0=EL Mendota	100.25	100.00	99.85	100.50	100.40	101.00	101.25	+0.9 +1.7



W. Mendota St. ℄ — Book 428 — E

0=S.L.Olyphant	100.25	100.00	99.85	100.50	100.40	101.00	101.25
50	102.54	102.29	102.12	102.74	102.59	103.19	103.44
100	104.83	104.58	104.38	104.98	104.78	105.38	105.63
150	107.13	106.88	106.65	107.22	106.96	107.56	107.81
200	109.42	109.17	108.92	109.46	109.15	109.75	110.00
240	111.25	111.00	110.73	111.25	110.90	111.50	111.75
250	111.77	111.52	111.24	111.76	111.39	111.99	112.24
300	114.36	114.11	113.80	114.28	113.85	114.45	114.70
350	116.95	116.70	116.36	116.81	116.31	116.91	117.16
400	119.54	119.29	118.91	119.33	118.77	119.37	119.62
451.86 N. = N.L.							
453.94 E. Macaulay	122.25	122.00	121.60	122.00	121.60	122.00	122.25

N. Poe St ℄ — S.

W.L. Rightor Way	71.25	70.85	70.23	70.53	70.03	70.21	70.25
19466	71.25	71.00	70.60	71.14	70.88	71.28	71.53
150	71.66	71.41	71.12	71.64	71.38	71.88	72.13
140.28 N.							
140.85 S.	71.75	71.50	71.23	71.75	71.40	72.00	72.25
100	73.33	73.08	72.85	73.41	73.14	73.74	73.99
50	75.29	75.04	74.85	75.45	75.27	75.87	76.12
0=E.L. Chatsworth	77.25	77.00	76.85	77.50	77.40	78.00	78.25

112.70 from page 42

+0.2 +1.8

-0.5 +0.7

+0.7 -0.2

cuts & fills 5/20/16 Gregory Moore Miller

+1.0 -0.5

-0.1 -1.6

-0.2 -1.6 curb stakes set 4' from cb. line 4/19/16 Gregory Moore Miller

+0.5 -1.6

+1.3 -1.1

+1.6 -0.4 gutter stakes set 4' from curb 5/3/16 Gregory Moore Miller

+0.7 -0.2

N.E. Chatsworth & Wabash

cuts & fills 5/6 Gregory Moore Miller

-3.6 -2.8

whole block 3 short to Chatsworth

-3.3 -3.0 gutter stakes 4' from curb 5/25/16 Gregory Moore Miller

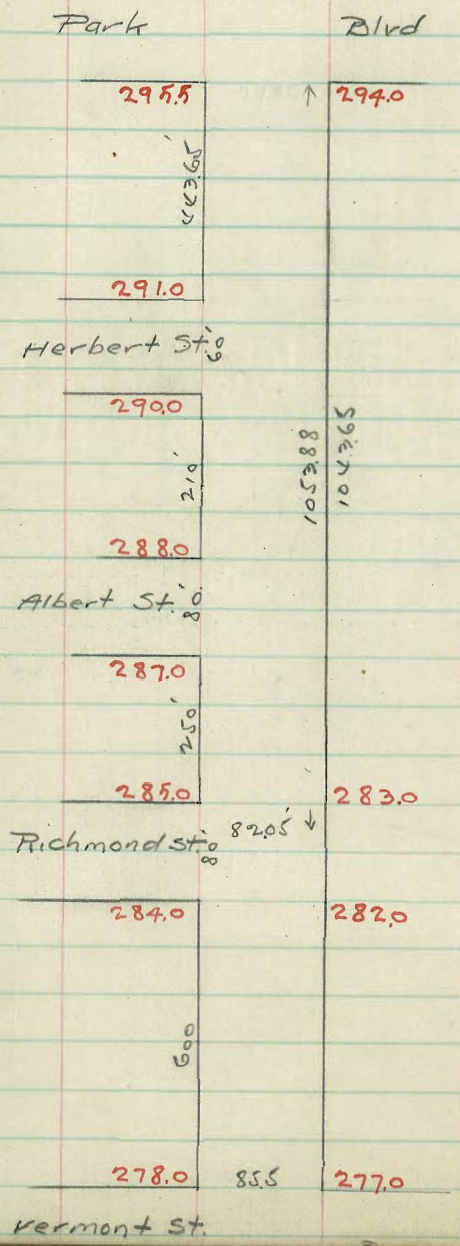
-2.7 -2.1

-1.9 -1.0

Witherby Street Book 345

	W.			℄			E.		
0=SL Hickory	25125	25100	24985	25150	25140	25200	24925	-0.5	+0.5
25	25138	25113	25088	25163	25154	25214	25239		
50	25150	25125	25111	25177	25168	25228	25253	+1.0	+2.8
75	25163	25138	25124	25190	25182	25242	25267		
100	25175	25150	25137	25203	25196	25256	25281	+1.5	+5.8
125	25188	25162	25149	25216	25210	25270	1960 25295		
150	25200	25175	25162	25230	25224	25284	25309	+1.9	+6.7
175 see P. 29	25213	25188	25175	25243	25238	25298	25323		
196	25223	25198	25186	25254	25250	25310	25335		
200	25225	25200	25188	25256	25252	25312	25338	+0.3	+2.9
225	25238	25213	25201	25270	25267	25327	25352		
250	25250	25225	25214	25283	25282	25342	25367	-0.6	
275	25263	25238	25227	25297	25296	25356	25381		
300=NL Chestnut	25275	25250	25240	25310	25311	25371	25396	-1.0	-1.9
Curb	25250	25250	25242	25313	25317	25377	25402		
"	25210	25210	25243	25315	25321	25381	25406		
Center	25250	25250	25244	25318	25325	25385	25410	-2.0	+2.1
							1972		
SL		25250				25400	25425		

UPAS ST.


Park
Blvd
295.5
294.0
291.0
Herbert St.
290.0
288.0
Albert St.
287.0
285.0
283.0
Richmond St.
82.05
284.0
282.0
278.0
85.5
277.0
Vermont St.

Upas St.

	N.			℄			S.	
25 = W.L. Park Blvd	29.575	29.550	29.490	29.475	29.398	29.400	29.425	
0 = old W.L. "	29.550	29.525	29.465	29.449	29.372	29.374	29.399	+0.2 +1.8
25	29.524	29.499	29.439	29.423	29.346	29.348	29.373	
50	29.499	29.474	29.414	29.397	29.320	29.322	29.347	-0.1 +1.5
75	29.474	29.449	29.389	29.375	29.293	29.265	29.290	
100	29.448	29.423	29.363	29.346	29.267	29.269	29.294	-0.2 +0.9
125	29.423	29.398	29.338	29.320	29.241	29.242	29.267	
150	29.397	29.372	29.312	29.296	29.215	29.216	29.241	-1.2 -0.5
175	29.372	29.347	29.287	29.268	29.189	29.190	29.215	
200	29.347	29.322	29.262	29.242	29.163	29.163	29.188	-2.2 +0.5
225	29.321	29.296	29.236	29.216	29.137	29.137	29.162	
250	29.296	29.271	29.211	29.190	29.110	29.110	29.135	-1.6 +1.8
275	29.271	29.246	29.186	29.165	29.084	29.084	29.109	
300	29.245	29.220	29.160	29.139	29.058	29.058	29.083	+0.5 +2.2
325	29.220	29.195	29.135	29.113	29.032	29.031	29.056	
350	29.195	29.170	29.110	29.087	29.006	29.005	29.030	+0.6 +1.7
375	29.169	29.144	29.084	29.061	28.980	28.978	29.003	
400	29.144	29.119	29.059	29.035	28.954	28.952	28.977	+0.1 +2.2
418.65 = El Herbert	29.125	29.100	29.040	29.016	28.934	28.932	28.957	+0.1 +2.1

El Herbert	29.125	29.100	29.040	29.016	28.934	28.932	28.957	
Curb	29.100	29.100	29.043	29.003	28.922	28.922	28.947	
"	29.000 29.040	29.000 28.975	29.007	28.989	28.910	28.911	28.936	
Center	29.050	28.950	28.990	28.976	28.898	28.901	28.926	+2.0 +2.9
"	28.985	28.925	28.973	28.967	28.886	28.890	28.915	
Curb	28.900 29.000	28.900 29.000	28.957	28.949	28.874	28.880	28.905	
W.L. "	29.025	29.000	28.940	28.925	28.862	28.869	28.894	

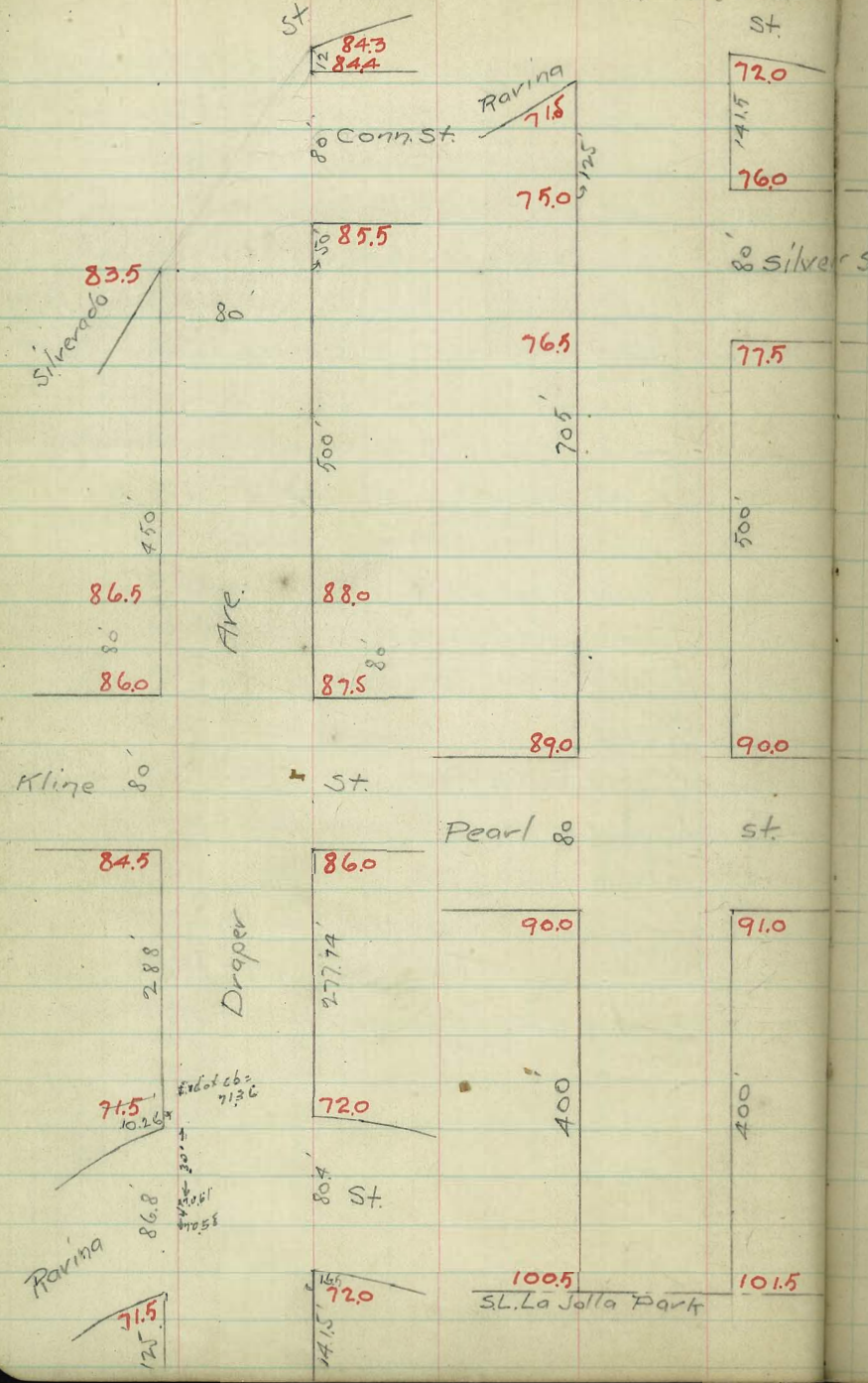
Upas St.

	N.						S. ↑ 15265	
0=WL. Herbert	29025	29000	28940	28935	28867	28869	28894	+1.8 +4.3
50	28977	28952	28892	28885	28811	28816	28841	+2.1 +5.6
100	28930	28905	28845	28835	28759	28764	28789	+2.6 +3.8
150	28882	28857	28797	28784	28708	28711	28736	+2.1 +3.0
210=EL. Albert	28825	28800	28740	28724	28646	28648	28673	+1.0 +1.5
EL. Albert	28825	28800	28740	28724	28646	28648	28673	
Curb	28800	28800	28723	28707	28631	28633	28658	
	28700	28700						
1/4	28740	28675	28706	28693	28616	28619	28644	
Center ℄	28750	28650	28690	28678	28602	28606	28631	+0.7 +1.1
1/4	28685	28625	28674	28663	28588	28592	28617	
	28600	28600						
Curb	28700	28700	28658	28648	28573	28578	28603	
WL. "	28725	28700	28640	28632	28558	28563	28588	
0=WL. Albert	28725	28700	28640	28632	28558	28563	28588	−0.3 +1.7
50	28685	28660	28600	28586	28508	28511	28536	−0.1 +2.7
100	28645	28620	28560	28539	28459	28468	28483	+0.5 +2.9
150	28605	28580	28520	28493	28409	28405	28430	+0.6 +2.6
200	28565	28540	28480	28446	28360	28353	28378	−1.5 +1.3
250=EL. Richmond	28525	28500	28440	28400	28310	28300	28325	−1.1 +0.1

N. Upas St. E. S.

E.L. Richmond	28.25	28.50	28.40	28.40	28.30	28.30	28.25	
Curb	28.00	28.50	28.23	28.23	28.23	28.23	28.08	
"	28.00 28.40	28.00 28.25	28.06	28.26	28.26	28.26	28.21	
Center	28.50	28.50	28.30	28.30	28.30	28.30	28.25	-0.8 +1.9
"	28.35	28.25	28.24	28.24	28.24	28.24	28.29	
Curb	28.00 28.00	28.00 28.00	28.58	28.18	28.28	28.18	28.43	
W.L. "	28.25	28.00	28.40	28.00	28.10	28.00	28.25	
0=W.L. Richmond	28.25	28.00	28.40	28.00	28.10	28.00	28.25	-0.8 +0.9
50	28.25	28.50	28.90	28.54	28.66	28.58	28.83	-0.2 +0.7
100	28.25	28.00	28.40	28.08	28.23	28.17	28.42	+0.6 -0.2
150	28.25	28.50	28.90	28.67	28.79	28.75	28.00	+0.2 -0.5
200	28.25	28.00	28.40	28.17	28.35	28.33	28.58	+0.6 0.0
250	28.75	28.50	28.90	28.71	27.91	27.92	28.17	+0.9 -0.1
300	28.25	28.00	28.40	28.25	27.48	27.50	27.75	+1.1 +1.1
350	28.75	28.50	27.90	27.79	27.04	27.08	27.33	+1.6 +2.3
400	28.25	28.00	27.40	27.23	27.60	27.67	27.82	+2.3 +2.5
450	27.75	27.50	27.90	27.88	27.16	27.25	27.50	+2.9 +2.7
500	27.25	27.00	27.40	27.42	27.23	27.33	27.08	+2.1 +2.6
550	27.75	27.50	27.90	27.96	27.29	27.42	27.67	+1.2 +0.9
600=EL Vermont	27.25	27.00	27.40	27.50	27.68	27.00	27.25	+1.6 +1.0

DRAPER AVE. Book 958, Dec. 18-1914



Kline HE spk 87.69
Pearl NW spk 87.84
W. cor Mon 87.60
N/6

111.53
.53
114.06
13.04
101.02
0.28
101.30
12.73
88.57
.01
88.58
12.54
76.04
1.33
77.37

7.47
91.83 = BM
3.5 Drapr
1 Pearl

454/7.93 591/71.36 7058/66.1 7061/6.66

Draper Ave.

	W.			℄			E.								
				℄	1/4	℄									
S.L. Prospect	8375	8350	8330	8390	8370	8430	8455		-0.1	8996 / 8390 / 6.06	H.I. 8368 / 6.28	8447 / 5.49	8465 / 5.31	8606 / 3.90	8676 / 3.20
N.L. Connecticut					8380	8440	8465		-0.2		8500 / 4.96	8535 / 4.61	8570 / 4.26	8641 / 3.55	8711 / 2.85
Curb				8361	8394	8440	8440			8725 / 2.71	8706 / 2.90	8675 / 3.21	8525 / 4.71		
						8340	8340	95	low						
1/4				8378	8407	8368	8428								
Center ∞				8395	8420	8396	8495	-0.5	low						
1/4			8373	8417	8433	8423	8490								
						8450	8450								
Curb	8350	8350	8346	8429	8447	8550	8550		0.0						
SL. Silverado and N. Conn.	8375	8350	8369	8447	8498	8550	8575								
450	8375	8350	8368	8465	8520	8580	8605		-0.2 -0.2						
400	8416	8391	8406	8500	8550	8610	8635		-0.3 -0.1						
350	8456	8431	8444	8535	8579	8639	8664		-0.3 -0.1						
300	8497	8472	8482	8570	8609	8669	8694		-0.3 0.0						
250	8537	8512	8519	8606	8639	8699	8724		-0.2 0.0						
200	8578	8553	8557	8641	8669	8729	8754		-0.2 -0.6						
150	8618	8593	8595	8676	8698	8758	8783		-0.3 -0.1						
100	8659	8634	8633	8711	8728	8788	8813		-0.2 -0.1						
80	8675	8650	8648	8725	8740	8800	8825		-0.9 -0.2						
50	8656	8631	8629	8706	8721	8781	8806		-0.7 -0.2						
0 = N.L. Kline	8625	8600	8598	8675	8690	8750	8775		-0.9 -0.9						
N.L. Kline	8625	8600	8598	8675	8690	8750	8775								
Curb	8600	8600	8572	8649	8664	8750	8750								
	8500	8500				8650	8650								
1/4	8540	8463	8547	8624	8639	8613	8690								
Center ∞	8525	8475	8523	8600	8615	8575	8675		-0.5 -0.5						
1/4	8448	8388	8499	8576	8591	8538	8598								
	8350	8350				8500	8500								
Curb	8450	8450	8474	8551	8566	8600	8600								
SL. "	8475	8450	8448	8525	8540	8600	8675								

Chk O.K. for grade

Culvert in poor condition

Draper Ave

	W.			℄			E.	
0=S.L.Kline	84.75	84.50	84.48	85.25	85.40	86.00	86.25	-0.1 -0.6
50	82.49	82.24	82.15	82.36	82.92	83.48	83.73	+1.6 +1.1
100	80.24	79.99	79.83	80.47	80.43	80.96	81.21	+2.9 +1.7
150	77.98	77.73	77.50	78.08	77.95	78.44	78.69	+4.1 -0.5
175	76.85	76.60	76.34	76.89	76.70	77.18	77.43	
200	75.72	75.47	75.18	75.69	75.46	75.92	76.17	+4.3 -2.8
225	74.59	74.34	74.01	74.50	74.22	74.66	74.91	
250	73.47	73.22	72.85	73.31	72.98	73.40	73.65	+0.9 -5.5
277.74	72.21	71.96	71.56	71.98	71.60	72.00	72.25	
N.L.Paving	71.75	71.50	71.23	71.75	71.40	72.00	72.25	-5.7 -7.9
N.L.Paving	71.75	71.50	71.23	71.75	71.40	72.00	72.25	
Curb	71.50	71.50	70.63	70.75	70.88	72.00	72.00	
	70.50	70.50				71.00	71.00	
1/4	71.10	71.19	71.27	71.35	71.43	71.51	71.60	
Center	71.50	71.59	71.67	71.75	71.83	71.91	72.00	-6.7 -6.7
1/4	71.10	71.19	71.27	71.35	71.43	71.51	71.60	
	70.50	70.50				71.00	71.00	
Curb	71.50	71.50	70.63	70.75	70.88	72.00	72.00	
S.L.Paving	71.75	71.50	71.23	71.75	71.40	72.00	72.25	
S.L.Paving	71.75	71.50	71.23	71.75	71.40	72.00	72.25	-1.8 -0.8
125	71.75	71.50	71.35	71.99	71.87	72.47	72.72	
100	72.45	72.20	72.05	72.69	72.57	73.17	73.42	-1.9 -0.8
50	73.85	73.60	73.45	74.10	73.99	74.59	74.84	-3.6 -0.7
0=N.L.Silver	75.25	75.00	74.85	75.50	75.40	76.00	76.25	-4.3 +0.5

50

89.86 H.I. 83.48 72.73 78.44
82.24 6.48 12.23 11.52
7.72

12.68 75.47 75.92
80.96 79.99 77.28 J.P. 1.84 1.39
9.00 9.97 0.03 77.31 H.I. 73.22 73.40
4.09 3.91

71.50 72.20 72.20 73.17 73.60 74.59
5.81 5.31 5.11 4.14 3.71 2.72

75.0 76.0
2.31 1.31

74.95
2.22
77.17 H.I.
72.00
5.17

W. Draper Ave. ℄ E.

N.L. Silver	75.25	75.00	74.85	75.50	75.40	76.00	76.25	
Curb	75.51	75.26	75.11	75.76	75.66	76.00	76.00	
						75.00	75.00	
1/4	75.76	75.51	75.36	76.01	75.91	75.38	75.98	
C.	76.00	75.75	75.60	76.25	76.15	75.75	76.75	-1.7 +0.7
1/4	76.24	75.99	75.84	76.49	76.39	76.13	76.90	
						76.50	76.50	
Curb	76.49	76.24	76.09	76.74	76.64	77.50	77.50	
S.L. Silver	76.75	76.50	76.35	77.00	76.90	77.50	77.75	+0.1 +1.1
0=S.L. Silver	76.75	76.50	76.35	77.00	76.90	77.50	77.75	
50	78.00	77.75	77.60	78.25	78.15	78.75	79.00	+0.6 +1.5
100	79.25	79.00	78.85	79.50	79.40	80.00	80.25	+0.2 +0.9
150	80.50	80.25	80.10	80.75	80.65	81.25	81.50	0.0 +0.7
200	81.75	81.50	81.35	82.00	81.90	82.50	82.75	-0.5 +0.1
250	83.00	82.75	82.60	83.25	83.15	83.75	84.00	-1.0 +0.2
300	84.25	84.00	83.85	84.50	84.40	85.00	85.25	-0.9 +0.1
350	85.50	85.25	85.10	85.75	85.65	86.25	86.50	-1.5 -0.3
400	86.75	86.50	86.35	87.00	86.90	87.50	87.75	-1.7 -0.2
450	88.00	87.75	87.60	88.25	88.15	88.75	89.00	-1.6 -0.1
500=N.L. Pearl	89.25	89.00	88.85	89.50	89.40	90.00	90.25	-1.7 +0.1
N.L. Pearl	89.25	89.00	88.85	89.50	89.40	90.00	90.25	
Curb	89.00	89.00	89.03	89.68	89.58	90.00	90.00	
	88.00	88.00				89.00	89.00	
1/4	88.85	88.75	89.19	89.84	89.74	89.75	89.85	
Center	89.50	88.50	89.35	90.00	89.90	89.50	90.50	-1.7 +0.1
1/4	89.40	88.75	89.51	90.16	90.06	89.75	90.40	
	89.00	89.00				90.00	90.00	
Curb	90.00	90.00	89.68	90.33	90.23	91.00	91.00	
S.L. Pearl	90.25	90.00	89.85	90.50	90.40	91.00	91.25	

51

77.31 H.S.
76.75
0.56
1.56

2.36
74.95 J.R.
12.04
86.99 H.S.
76.50
10.49
77.50
9.49

77.75
9.24 8.24 80.00 7.99 80.25 5.74
6.99 6.74 5.49 82.50 4.49

82.75
4.24 3.24 85.0 1.99 2.99 85.25 0.74
1.74

0.53
86.46 J.R.
10.83
97.29 H.S.
8.75
9.79 10.79
87.75
9.54 8.54 90.0 7.29 8.29 89.50 7.79 6.79

77.17 H.S.
76.75
.42

86.46
5.53
91.98 H.S.
89.50
2.48
7.48

681
93.27 H.S.
89.50
3.77

Draper Ave.

	W.		℄.				E.	
0 = St. Pearl	90.25	90.00	89.85	90.50	90.40	91.00	91.25	−0.8 +0.9
50	91.56	91.31	91.16	91.81	91.71	92.31	92.56	−1.0 +0.7
100	92.88	92.63	92.48	93.13	93.03	93.63	93.88	−0.7 +0.8
150	94.19	93.94	93.79	94.44	94.34	94.94	95.19	−1.2 +0.6
200	95.50	95.25	95.10	95.75	95.65	96.25	96.50	−1.1 +0.5
250	96.81	96.56	96.41	97.06	96.96	97.56	97.81	−1.2 +0.6
300	98.13	97.88	97.73	98.38	98.28	98.88	99.13	−1.3 +0.6
350	99.44	99.19	99.04	99.69	99.59	100.19	100.44	−1.0 +0.7
Jolla Park 400 = St. La	100.75	100.50	100.35	101.00	100.90	101.50	101.75	−0.9 +0.7

97.29 H.I. 91.31 / 6.00 5.94 93.63 / 3.66 4.66 52

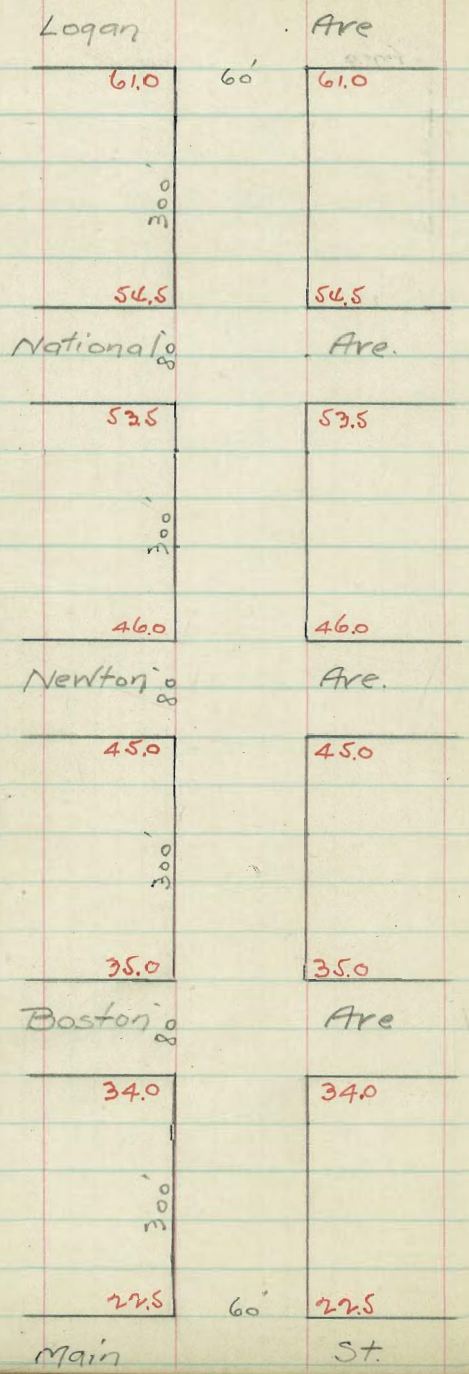
91.00 / 6.29 7.29

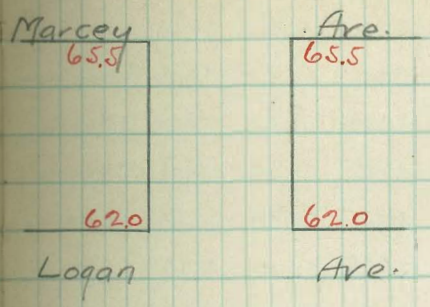
93.94 / 3.35 2.35 96.35 / 1.04 2.04 0.28 96.57 S.P. 7.02 103.53 H.I. 96.56 / 6.97 5.97

98.88 / 4.65 3.65

99.19 / 4.34 3.34 101.50 / 2.03 3.03

27TH STREET Book 932





	W. 27th St.			℄			E.	
0=S.L.Logan	61.75	61.00	60.60	61.00	60.60	61.00	61.75	-0.1 0.0
50	60.17	59.92	59.52	59.92	59.52	59.92	60.17	+0.1 -0.3
100	59.08	58.83	58.43	58.83	58.43	58.83	59.08	+0.7 +0.6
150	58.00	57.75	57.35	57.75	57.35	57.75	58.00	+0.7 -1.3
200	56.92	56.67	56.27	56.67	56.27	56.67	56.92	+1.8 -0.7
250	55.83	55.58	55.18	55.58	55.18	55.58	55.83	+1.3 0.0
300=N.L.National	54.75	54.50	54.10	54.50	54.10	54.50	54.75	-0.1 0.0
0=S.L. "	53.75	53.50	53.10	53.50	53.10	53.50	53.75	-0.1 0.0
50	52.50	52.25	51.85	52.25	51.85	52.25	52.50	+0.3 -0.3
100	51.25	51.00	50.60	51.00	50.60	51.00	51.25	+0.9 -0.2
150	50.00	49.75	49.35	49.75	49.35	49.75	50.00	+1.3 +0.1
200	48.75	48.50	48.10	48.50	48.10	48.50	48.75	+1.1 +0.5
250	47.50	47.25	46.85	47.25	46.85	47.25	47.50	+0.4 -0.5
300=N.L.Newton	46.25	46.00	45.60	46.00	45.60	46.00	46.25	+0.2 +0.1
0=S.L. "	45.25	45.00	44.60	45.00	44.60	45.00	45.25	-0.6 -1.2
50	43.58	43.33	42.93	43.33	42.93	43.33	43.58	-1.9 -1.7
100	41.92	41.67	41.27	41.67	41.27	41.67	41.92	-1.6 -0.8
150	40.25	40.00	39.60	40.00	39.60	40.00	40.25	-0.3 +0.9
200	38.58	38.33	37.93	38.33	37.93	38.33	38.58	+0.6 +2.3
250	36.92	36.67	36.27	36.67	36.27	36.67	36.92	+1.9 +2.5
300=N.L.Boston	35.25	35.00	34.60	35.00	34.60	35.00	35.25	+2.5 +3.0

27th St.

	W.			℄			E.	
0=S.L.Boston	34.75	34.00	33.60	34.00	33.60	34.00	34.75	+1.0 +1.1
50	32.33	32.08	31.68	32.08	31.68	32.08	32.33	+0.8 +2.1
100	30.42	30.17	29.77	30.17	29.77	30.17	30.42	+1.3 +3.2
150	28.50	28.25	27.85	28.25	27.85	28.25	28.50	+2.2 +4.5
200	26.58	26.33	25.93	26.33	25.93	26.33	26.58	+2.2 +3.6
250	24.67	24.42	24.02	24.42	24.02	24.42	24.67	+1.9 −0.9
300=N.L.Main	22.75	22.50	22.10	22.50	22.10	22.50	22.75	+0.1 0.0

5-27-19

LA JOLLA BOULEVARD

STA.	W	11' ℄ 11'	E
336	334.70	335.00	334.70
+50	334.08	334.38	334.08
337	333.45	333.75	333.45
+50	332.83	333.13	332.83
338	332.20	332.50	332.20
+50	331.58	331.88	331.58
339	330.95	331.25	330.95
+50	330.33	330.63	330.33
340	329.70	330.00	329.70
+50	329.08	329.38	329.08
341	328.45	328.75	328.45
+50	327.83	328.13	327.83
341+67.59 B.C.	327.32	327.6	327.32
342	325.70	326.00	325.70
+50	323.20	323.50	323.20
343	320.70	321.00	320.70
+50	318.20	318.50	318.20
344	315.70	316.00	315.70
+50	314.98	315.28	314.98
345	314.27	314.57	314.27
345+44.60 E.C.	313.63	313.93	313.63
345+91.17 B.C.	312.91	313.27	312.91
346	312.84	313.14	312.84
+25	312.48	312.78	312.48
+50	312.12	312.42	312.12
346+76.25 E.C.	311.75	312.05	311.75

1.25% to 341+60

5%

1.43%

Note - Side elevations are 0.3' below center el.

LA JOLLA BOULEVARD

STA.	W	℄	E
347	311.42	311.72	311.42
+25	310.82	311.12	310.82
+50	309.74	310.04	309.74
347+67.48	B.C. 308.70	309.00	308.70
+75	308.19	308.49	308.19
348		306.46	
+25		304.19	
+50		301.92	
348+66.38	E.C.	300.43	
349		297.38	
+25		295.11	
+50		292.84	
349+74.48	B.C.	290.64	
350		288.30	
+25		286.03	
350+44.00	E.C.	284.30	
+75		281.49	
351		279.22	
+25		276.95	
351+51.73	B.C.	274.53	
+75		272.41	
352		270.14	
352+19.40	E.C.	268.38	
+50		265.60	
352+67.55	B.C.	264.00	
353		261.06	

LA JOLLA BOULEVARD

STA	W	℄	E
353+25		258.79	
353+48.40	E.C.	256.67	
353+75		254.26	
354		252.00	
+25		249.88	
354+50.85	B.C.	247.68	
+75		245.63	
355		243.50	
355+25.60	E.C.	241.33	
+50		239.25	
355+72.45	B.C.	237.35	
356		235.00	
+25		232.88	
+50		230.76	
356+75.07	E.C.	228.62	
357		226.50	
+25		224.38	
+50		222.26	
+75		220.13	
358		218.00	
358+16.90		217.16	
+25		216.75	
+50		215.50	
+75		214.25	
359		213.00	
+25		211.75	

LA JOLLA BOULEVARD

STA.	W	℄	E
359+50		210.50	
Blue line on Profile			
359+60.90	E.C.	209.96	
360		208.00	
+50		203.35	
361		198.70	
361+33.1	B.C.	195.62	
+50		194.05	
+75		191.73	
362		189.40	
+25		187.08	
+50		184.76	
+75		182.43	
362+84.10	E.C.	181.58	
363		180.10	
+50		175.45	
364		170.80	
+50		166.15	
365		161.50	
+50		156.85	
366		152.20	
366+38.73	B.C.	148.61	
+50		147.55	
+75		145.22	
367		142.90	
+25		140.57	
367+58.30	E.C.	137.48	

9.30 % from STA 360

LA JOLLA BOULEVARD

STA	W	℄	E
368		133.60	
+50		128.95	
369		124.30	
369+35.41	B.C.	121.00	
+50		119.65	
+75		117.32	
370		115.00	
+25		112.67	
+50		110.35	
+75		108.02	
371+04.50	E.C.	105.28	
+50		101.05	
372		96.40	
9.30% +50		91.75	
373		87.10	
+50		82.45	
374		77.80	
+50		73.15	
375		68.50	
+50		63.85	
376		59.20	
376+30.50	B.C.	56.36	
+50		54.55	
+75		52.22	
377		49.90	
+25		47.57	

LA JOLLA BOULEVARD

STA	W	℄	E
377+46.58 = 377+63.58 E.C.		45.57	
378		40.60	
+50		35.95	
379		31.30	
—		—	
379+31.6 B.C.		28.36	
+50		26.65	
+75		24.33	
380		22.00	
+25		19.68	
380+40		18.30	
+50		17.43	
+75		15.36	
381		13.59	
+25		12.11	
+50		10.91	
+75		10.01	
381+99.6 E.C.		9.40	
382+40		9.00	
382+50		9.00	
383		9.00	
+50		9.00	
384		9.00	
+50		9.00	
385		9.00	
+50		9.00	
386		9.00	
+50		9.00	
387		9.00	

LA JOLLA BOULEVARD

STA.	W	℄	E
387+50		9.00	
388		9.00	
+50		9.00	
389		9.00	
+50		9.00	
390		9.00	
+50		9.00	
391		9.00	
+50		9.00	
392		9.00	
+50		9.00	
393		9.00	
+50		9.00	
394		9.00	
+50		9.00	
395		9.00	
+50		9.00	
396		9.00	
+50		9.00	
397		9.00	
+50		9.00	
398		9.00	
+50		9.00	
399		9.00	
+50		9.00	
400		9.00	
+50		8.30	

LA JOLLA BOULEVARD

STA.	W	℄	E
401		7.60	
+50		6.90	
402		6.20	
+50		5.50	
403		4.80	
+50		4.10	
404		3.40	
+50		2.70	
405		2.00	
+50		2.00	
405+91.52	B.C.	2.00	
406		2.00	
+50		2.00	
407		2.00	
+50		2.00	
408		2.00	
+50		2.00	
409+06.30	End of Bridge	2.00	
411+03.0	" " "	1.80	
411+11.40	L 18°40' Rt.	1.79	
+50		1.73	
412		1.65	
+50		1.58	
413		1.50	
+50		1.43	
414		1.35	
+50		1.27	

LA JOLLA BOULEVARD

STA	W	℄	E
415		1.20	
+50		1.12	
416		1.05	
416+44.95	℄ A.T.&S.F.	0.99	
417		0.90	
+50		0.82	
418		0.74	
+50		0.67	
419		0.59	
+50		0.52	
419+60.35	CITY LINE	0.50	

60' Street
10' Walks
10' Quarters

LARK STREET

New pencilled grade line

	W.	CURB	1/4	℄	1/4	CURB	E.
S.L. WASHINGTON	270.75	270.50	269.90	270.25	269.72	270.00	270.25
50' So.	269.50	269.25	268.65	268.87	268.28	268.50	268.75
100' "	268.25	268.00	267.40	267.50	266.85	267.00	267.25
150'	267.00	266.75	266.15	266.12	265.41	265.50	265.75
200'	265.75	265.50	264.90	264.75	263.97	264.00	264.25
250'	264.50	264.25	263.65	263.37	262.53	262.50	262.75
300' S. = M.L. DOUGLAS	263.25	263.00	262.40	262.00	261.10	261.00	261.25

DOUGLAS STREET INTERSECTION 50' ST.

M.L. DOUGLAS		263.25	263.00	262.40	262.00	261.10	261.00	261.25
M. Curb	10'	263.00	263.00	262.30	261.90	261.00	261.00	261.00
	7½'	262.00	262.00				260.00	260.00
M. 1/4		262.40	261.87	262.22	261.82	260.92	259.87	260.90
Center	7½'	262.75	261.75	262.15	261.75	260.85	259.75	260.75
S 1/4	7½'	262.22	261.62	262.07	261.67	260.77	259.62	260.22
	7½'	261.50	261.50				259.50	259.50
S. Curb	10'	262.50	262.50	262.00	261.60	260.70	260.50	260.50
S.L. DOUGLAS		262.75	262.50	261.90	261.50	260.60	260.50	260.75

S.L. DOUGLAS	262.75	262.50	261.90	261.50	260.60	260.50	260.75
50' So.	260.50	260.25	259.65	259.50	258.72	258.75	259.00
100' "	258.25	258.00	257.40	257.50	256.85	257.00	257.25

50' Street
10' Walks
7½' Quarts.

DOUGLAS STREET

KITE STREET INTERSECTION 60' ST.

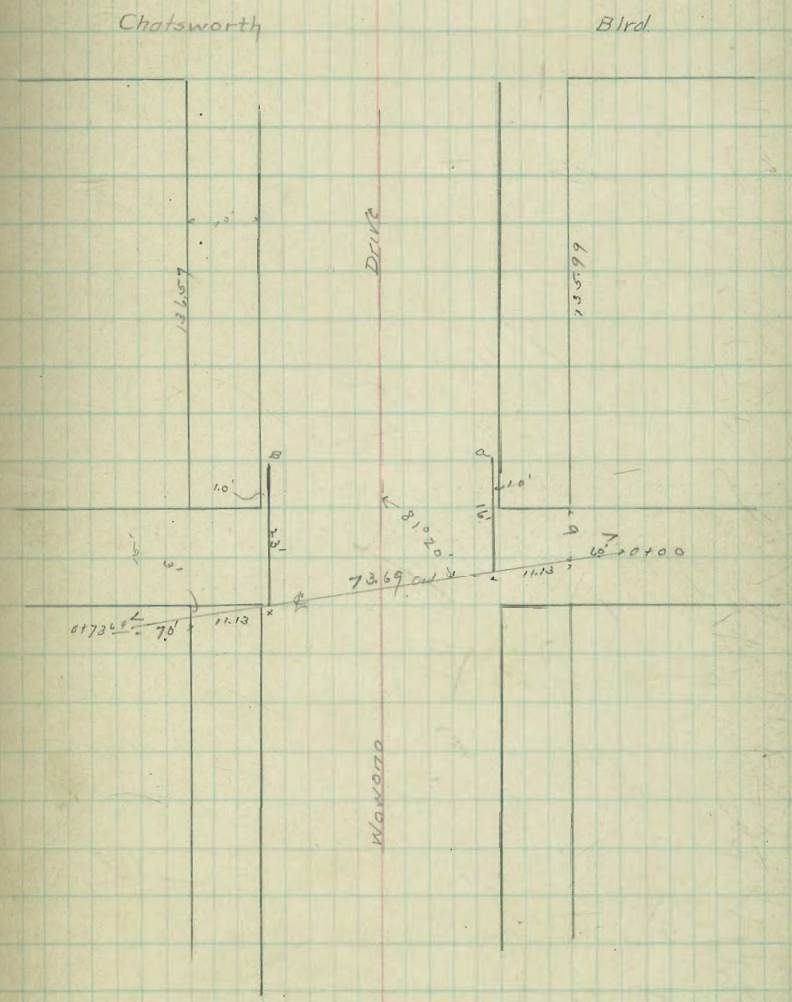
	N	Curb	¼	℄	¼	Curb	S
(IN GALLS) E.L. KITE	250.25	250.00	249.40	249.50	248.85	249.00	249.25
E. Curb 10'	250.00 249.00	250.00 249.00	249.40	249.50	248.85	249.00 248.00	249.00 248.00
E ¼ 10'	249.60	249.00	249.40	249.50	248.85	248.00	248.60
℄ 10'	250.00	249.00	249.40	249.50	248.85	248.00	249.00
W ¼ 10'	249.60	249.00	249.40	249.50	248.85	248.00	248.60
W Curb 10'	249.00 250.00	249.00 250.00	249.40	249.50	248.85	248.00 249.00	248.00 249.00
W.L. KITE 10'	250.25	250.00	249.40	249.50	248.85	249.00	249.25
(IN GALLS) W.L. KITE	250.25	250.00	249.40	249.50	248.85	249.00	249.25
25' W.	251.50	251.25	250.65	250.78	250.14	250.31	250.56
50' "	252.75	252.50	251.90	252.06	251.44	251.62	251.87
75'	254.00	253.75	253.15	253.33	252.73	252.92	253.17
100'	255.25	255.00	254.40	254.62	254.02	254.23	254.48
125'	256.50	256.25	255.65	255.90	255.32	255.54	255.79
150'	257.75	257.50	256.90	257.17	256.61	256.85	257.10
175'	259.00	258.75	258.15	258.45	257.90	258.16	258.41
200'	260.25	260.00	259.40	259.73	259.19	259.46	259.71
220' W = E.L. LARK	261.25	261.00	260.40	260.75	260.22	260.50	260.75

Levels over Line of proposed Culvert Across Wawona Drive

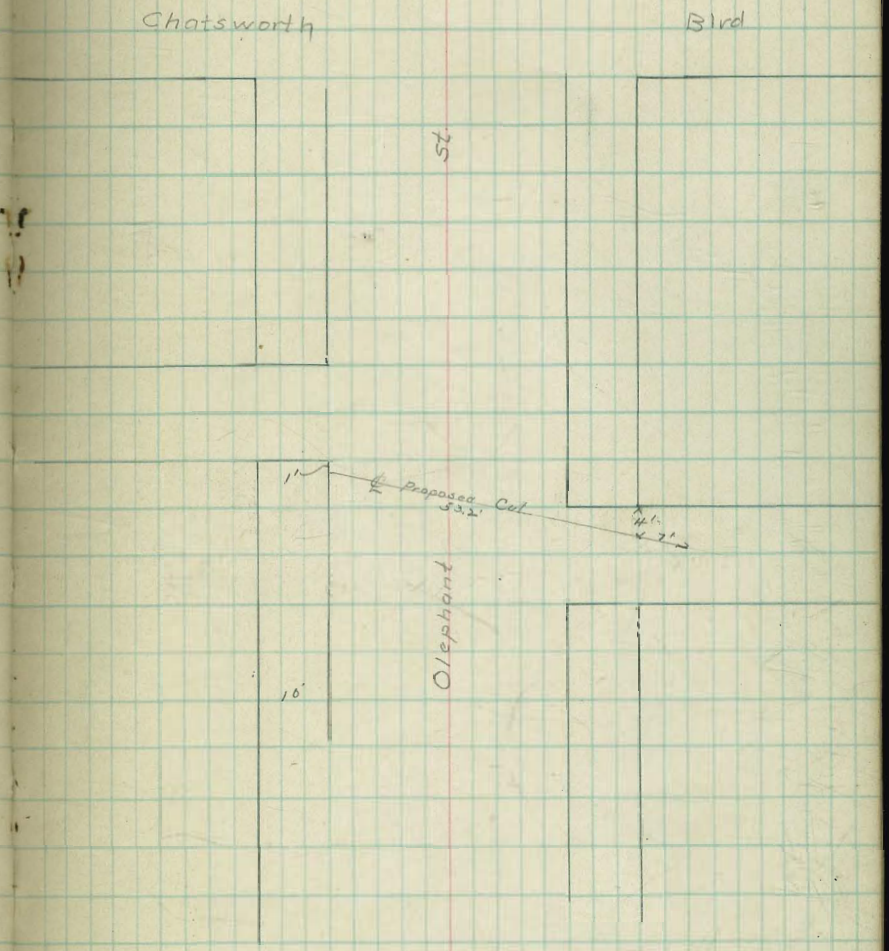
	1.39	83.53		77.14 Pig Ch ELRow Pig in Ch
	12.01	84.30	11.24	72.29
0+00			7.4	76.9
+11.23	Intake pipe		6.8	77.5
+36.35	Ctr St.		6.5	77.8
+55.51	Intake pipe		6.0	78.3
+73.69	end		5.7	78.6
T.P.	1.53	84.94	0.89	83.41
a			6.7	78.2
B			4.4	80.5

Location of Culvert Across Wawona Drive

7/23 Dris
15 Moncrief
Herrick



5.77 100.78 9501

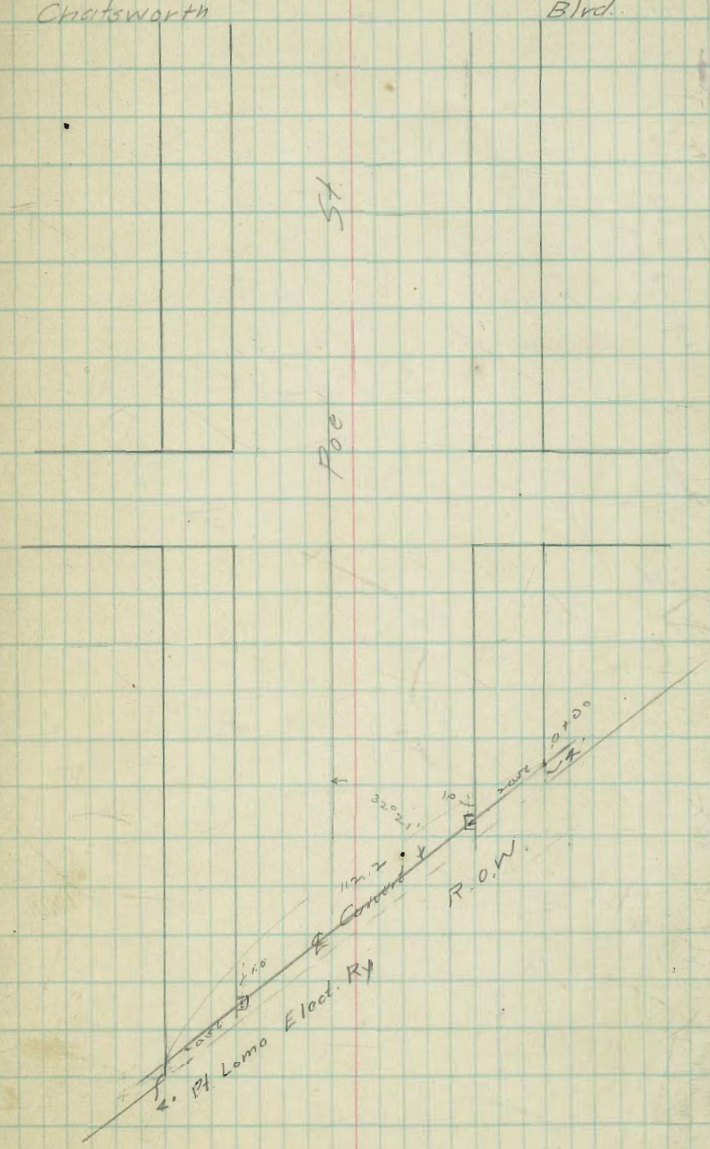


Levels over C.L. Poe St Culvert.

T.P.	2.34	74.63		72.29
0+00			4.5	70.1
1+20 ft = Ch C.B			4.7	69.9
1+56 ft = Ch St			4.9	69.7
1+91 ft Ch C.B			5.2	69.4
1+12 ft S.L.			5.4	69.2
Top rail N.L. St.			3.12	71.51
Top rail S.L. St			4.60	70.03
T.P	3.83	72.28	6.8	68.45

Davis
Hancock
Harnick

Location of Proposed Culvert Across Poe St

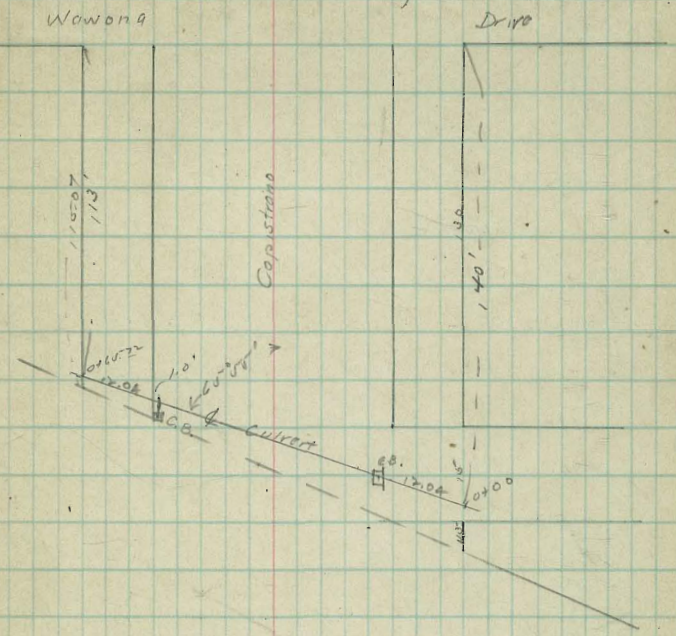


Levels over C.L. Capistrano St Culvert.

T.P.	3.83	72.28		61.45
0+00			5.4	66.9
+12.04 ch C.B.			5.5	66.8
+32.84 ch			5.7	66.6
+53.68 Intake Pipe			5.7	66.6
+65.72 S.L			5.7	66.6
Top rail No line St.			3.93	68.35
" " 50 " "			4.12	68.16

Parts
Hancock
Hancock

Location of Culvert Across Capistrano St.



Eads Ave

	W			℄			E
NL Rushville	130.75 (14)	130.00 (13)	129.85 (13)	130.50 (13)	130.40 (13)	131.00 (14)	131.25
N Curb	130.00 129.00	130.00 129.00	129.68	130.33	130.23	131.00 130.00	131.00 130.00
N ½	129.40	128.75	129.51	130.16	130.06	129.75	130.40
℄	129.50	128.50	129.35	130.00	129.90	129.50	130.50
S ¼	128.85	128.25	129.19	129.84	129.74	129.35	129.85
S curb	128.00 129.00	128.00 129.00	129.02	129.67	129.57	129.00 130.00	129.00 130.00
SL Rushville	129.25	129.00	128.85	129.50	129.40	130.00	130.25
50 S	127.82	127.57	127.42	128.07	127.97	128.57	128.82
100	126.39	126.14	125.99	126.64	126.54	127.14	127.39
150	124.95	124.70	124.55	125.20	125.10	125.70	125.95
209.4	123.25	123.00	122.85	123.50	123.40	124.00	124.25

ENGINEERING DEPARTMENT,
CITY OF SAN DIEGO.
CALIFORNIA.

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TABLE I.—Minutes in Decimals of a Degree.

1′	.0167	**11′**	.1833	**21′**	.3500	**31′**	.5167	**41′**	.6833	**51′**	.8500
2	.0333	**12**	.2000	**22**	.3667	**32**	.5333	**42**	.7000	**52**	.8667
3	0500	**13**	.2167	**23**	.3833	**33**	.5500	**43**	.7167	**53**	.8833
4	.0667	**14**	.2333	**24**	.4000	**34**	.5667	**44**	.7333	**54**	.9000
5	.0833	**15**	.2500	**25**	.4167	**35**	.5833	**45**	.7500	**55**	.9167
6	.1000	**16**	.2667	**26**	.4333	**36**	.6000	**46**	7667	**56**	.9333
7	.1167	**17**	.2833	**27**	.4500	**37**	.6167	**47**	7833	**57**	.9500
8	.1333	**18**	.3000	**28**	.4667	**38**	.6333	**48**	.8000	**58**	.9667
9	.1500	**19**	.3167	**29**	.4833	**39**	.6500	**49**	.8167	**59**	.9833
10	.1667	**20**	.3333	**30**	.5000	**40**	.6667	**50**	.8333	**60**	1.0000

TABLE II.—Inches in Decimals of a Foot.

1-16	3-32	⅛	3-16	¼	5-16	⅜	½	⅝	¾	⅞
.0052	.0078	.0104	.0156	.0208	.0260	.0313	.0417	.0521	.0625	.0729

1	2	3	4	5	6	7	8	9	10	11
.0833	.1667	.2500	.3333	.4167	.5000	.5833	.6667	.7500	.8333	.9167

TABLE III.—Radii, Ordinates and Deflections.

Deg.	Radius	Mid. Ord.	Tan. Def.	Chd. Def.	Def. for 1 Foot	Deg.	Radius	Mid. Ord.	Tan. Def.	Chd. Def.	Def. for 1 Foot
0°10′	34377.	.036	.145	.291	0.05′	**7°**	819.0	1.528	6.105	12.21	2.10′
20	17189.	.073	.291	.582	0.10	20′	781.8	1.600	6.395	12.79	2.20
30	11459.	.109	.436	.873	0.15	30	764.5	1.637	6.540	13 08	2.25
40	8594.4	.145	.582	1.164	0.20	40	747 9	1.673	6.685	13.37	2.30
50	6875.5	.182	.727	1.454	0.25	**8**	716.8	1.746	6.976	13.95	2.40
1	5729.6	.218	.873	1.745	0.30	20	688.2	1.819	7.266	14.53	2.50
10	4911.2	.255	1.018	2.036	0.35	30	674.7	1.855	7.411	14.82	2.55
20	4297.3	.291	1.164	2.327	0.40	40	661.7	1.892	7.556	15.11	2.60
30	3819.8	.327	1 309	2.618	0.45	**9**	637.3	1.965	7.846	15.69	2.70
40	3437.9	.364	1.454	2.909	0.50	20	614.6	2.037	8.136	16.27	2.80
50	3125.4	.400	1.600	3.200	0 55	30	603.8	2.074	8.281	16.56	2.85
2	2864.9	.436	1.745	3.490	0.60	40	593.4	2.110	8.426	16.85	2.90
10	2644.6	.473	1.891	3.781	0.65	**10**	573.	2.183	8.716	17.43	3.00
20	2455.7	.509	2.036	4.072	0.70	30	546.4	2.292	9.150	18.30	3.15
30	2292.0	.545	2.181	4.363	0.75	**11**	521.7	2.402	9.585	19.16	3.30
40	2148.8	.582	2.327	4.654	0.80	30	499.1	2.511	10.02	20.04	3.45
50	2022.4	.618	2.472	4.945	0.85	**12**	478.3	2.620	10.45	20.91	3.60
3	1910.1	.655	2.618	5.235	0 90	30	459.3	2.730	10.89	21.77	3.75
10	1809.6	.691	2.763	5.526	0.95	**13**	441.7	2.839	11.32	22.64	3.90
20	1719.1	.727	2.908	5.817	1 00	30	425.4	2.949	11.75	23.51	4.05
30	1637.3	.764	3.054	6.108	1.05	**14**	410.3	3.058	12.18	24.37	4.20
40	1562.9	.800	3.199	6.398	1.10	30	396.2	3.168	12.62	25.24	4.35
50	1495.0	.836	3.345	6.689	1.15	**15**	383.1	3.277	13.05	26.11	4.50
4	1432.7	.873	3.490	6.980	1.20	30	370.8	3.387	13.49	26.97	4.65
10	1375.4	.909	3.635	7.271	1.25	**16**	359.3	3.496	13.92	27.84	4.80
20	1322.5	.945	3.718	7.561	1.30	30	348.5	3.606	14.35	28.70	4.95
30	1273.6	.982	3.926	7.852	1.35	**17**	338.3	3.716	14.78	29.56	5.10
40	1228.1	1.018	4.071	8.143	1.40	**18**	319.6	3.935	15.64	31.29	5.40
50	1185.8	1.055	4.217	8.433	1.45	**19**	302.9	4.155	16.51	33.01	5.70
5	1146.3	1.091	4 362	8.724	1 50	**20**	287.9	4.374	17.37	34.73	6.00
10	1109.3	1.127	4.507	9.014	1.55	**21**	274.4	4.594	18.22	36.44	6.30
20	1074.7	1 164	4.653	9.305	1.60	**22**	262.0	4.814	19.08	38.16	6.60
30	1042.1	1.200	4.798	9.596	1.65	**23**	250.8	5.035	19.94	39.87	6.90
40	1011.5	1.237	4 943	9.886	1.70	**24**	240.5	5.255	20.79	41.58	7.20
50	982.6	1.273	5.088	10.18	1.75	**25**	231.0	5.476	21.64	43.28	7.50
6	955.4	1.309	5.234	10.47	1.80	**26**	222.3	5.697	22.50	44.99	7.80
10	929.6	1.346	5 379	10.76	1.85	**27**	214.2	5.918	23.35	46.69	8.10
20	905.1	1.382	5.524	11.05	1.90	**28**	206.7	6.139	24.19	48.38	8.40
30	881.9	1.418	5.669	11.34	1.95	**29**	199.7	6.360	25.04	50 07	8.70
40	859.9	1.455	5.814	11.63	2.00	**30**	193.2	6.583	25.88	51.76	9.00

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TABLE V.—Middle Ordinates for Rails.

Deg. of Curve	LENGTH OF RAILS. 32	30	28	26	24	22	20	Deg. of Curve	LENGTH OF RAILS. 32	30	28	26	24	22	20
1°	.022	.020	.017	.015	.013	.011	.009	**16°**	.356	.313	.273	.236	.200	.170	.139
2	.045	.039	.034	.030	.025	.021	.017	**17**	.378	.333	.290	.252	.213	.180	.148
3	.067	.059	.051	.044	.038	.032	.026	**18**	.400	.351	.306	.265	.225	.190	.156
4	.089	.079	.068	.059	.050	.042	.035	**19**	.423	.371	.324	.280	.238	.201	.165
5	.112	.098	.086	.074	.063	.053	.044	**20**	.445	.392	.341	.296	.250	.212	.174
6	.134	.118	.103	.088	.075	.063	.052	**21**	.466	.410	.357	.309	.262	.222	.182
7	.156	.137	.120	.103	.088	.074	.061	**22**	.487	.430	.375	.325	.275	.233	.191
8	.179	.157	.137	.118	.100	.084	.070	**23**	.509	.450	.390	.338	.287	.243	.199
9	.201	.177	.154	.133	.113	.095	.078	**24**	.531	.469	.408	.354	.299	.253	.208
10	.223	.196	.171	.147	.126	.105	.087	**25**	.552	.486	.424	.367	.311	.263	.216
11	.245	.216	.188	.162	.138	.116	.096	**26**	.573	.506	.441	.382	.323	.274	.225
12	.268	.235	.205	.177	.151	.127	.105	**27**	.594	.524	.457	.396	.335	.284	.233
13	.290	.254	.222	.192	.163	.138	.113	**28**	.618	.545	.475	.411	.348	.294	.242
14	.312	.275	.239	.207	.175	.148	.122	**29**	.638	.564	.491	.424	.361	.303	.250
15	.334	.295	.257	.223	.188	.159	.131	**30**	.660	.583	.508	.438	.374	.313	.259

CURVE FORMULÆ.

$T = R \tan. \frac{1}{2} I$

$T = \frac{50 \tan. \frac{1}{2} I}{\text{Sin. } D}$

$\text{Sin. } D = \frac{50}{R}$

$\text{Sin. } D = \frac{50 \tan. \frac{1}{2} I}{T}$

$R = T \cot. \frac{1}{2} I$

$R = \frac{50}{\text{Sin. } D}$

$E = R \text{ ex. sec. } \frac{1}{2} I$

$E = T \tan. \frac{1}{4} I$

$\text{Chord def.} = \frac{\text{chord}^2}{R}$

$\text{No. chords} = \frac{\frac{1}{2} I}{D}$

$\text{Tan. def.} = \frac{1}{2} \text{ chord def}$

The square of any distance, divided by twice the radius, will equal the distance from tangent to curve, very nearly.

Table IV. contains Tangents and Externals to a 1° curve. Tan. and Ext. to any other radius may be found, nearly enough, by dividing the Tan. or Ext. opposite the given central angle by the given degree of curve.

To find Deg. of Curve, having the Central Angle and Tangent: Divide Tan. opposite the given Central Angle by the given Tangent.

To find Deg. of Curve, having the Central Angle and External: Divide Ext. opposite the given Central Angle by the given External.

To find Nat. Tan. and Nat. Ex. Sec. for any angle by Table IV.: Tan. or Ext. of twice the given angle divided by the radius of a 1° curve will be the Nat. Tan. or Nat. Ex. Sec.

To find angle for a given distance and deflection.

Rule 1. Multiply the given distance by .01745 (def. for 1° for 1 ft.), and divide given deflection by the product.

Rule 2. Multiply given deflection by 57.3, and divide the product by the given distance.

To find deflection for a given angle and distance: Multiply the angle by .01745, and the product by the distance.

Right Angle Triangles.—Square the altitude, divide by twice the base. Add quotient to base for hypothenuse.

Given Base 100, Alt. 10. $10^2 \div 200 = .5$. $100 + .5 = 100.5$ hyp.
Given Hyp. 100, Alt. 25. $25^2 \div 200 = 3.125$. $100 - 3.125 = 96.875 = \text{Base}$.
Error in first example, .002; in last, .045.

To find Tons of Rail in one mile of track: multiply weight per yard by 11, and divide by 7.

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