

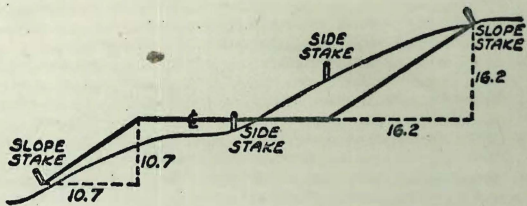
B-30

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DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING  
SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

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

INDEXED

MAR 20 1951

through page 16

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39
35°	.11	.22	.34	.47	.58	.69	.79	.81	.92	1.04	1.29	1.42	1.54	1.66
40°	.13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	.15	.30	.44	.60	.76	.91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	.19	.38	.57	.76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	.42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	.23	.46	.69	.93	1.16	1.40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	.25	.51	.76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	.30	.61	.91	1.22	1.53	1.84	2.15	2.46	2.78	3.10	3.44	3.78	4.12	4.46
85°	.33	.66	1.00	1.33	1.68	2.02	2.36	2.70	3.05	3.40	3.77	4.14	4.55	4.89
90°	.36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	.39	.79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	.43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	.51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4.76	5.31	5.86	6.43	7.01	7.60
120°	.62	1.25	1.93	2.52	3.16	3.81	4.45	5.11	5.77	6.44	7.12	7.80	8.50	9.22

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.711	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.286	.383	.480	.578	.678	.777	.877	.977	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.78	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.895	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

Page

- 13-14 Stake chawalk from 340 West of 49<sup>785'</sup>
- + to 132' East of 47<sup>1/2</sup> on Imperial
- 17 15<sup>th</sup> + E. (N.W. cor.) stake c/s.
- 18 28<sup>th</sup> + Marcey stake curbs
- 19 Imperial Ave. Blk 13 - Lots H & J - Stake Curbs Las Alturas
- 21 Lot 15 OAK PARK ANNEX (52nd + WIGHTMAN)
- 23 - Curbs - N2 cor Hugo + Scott
- 25 - W side of 72d. S. of El Cajon
- 27 - Pt Loma Ave + Santa Barbara
- 28 Lot 21 Blk 202 Pac. Beach.
- 29 - Lot 67 - Point + Loma Villas
- 31 curbs N2 cor Surf + El Cajon
- 32 - " Harrison, El Cajon - Amherst
- 34 " Ely ESTRELA - SLY OF TROTAN

5-25-49

D. Smith  
W Moore  
J Clark  
F Acuna

Permit #3034  
Stake 125' of curb on 30th St  
lots 5 to 9 incl BLK 207 Univ Hts  
3' out in st (locks)

WO# 21018

~~Indexed~~ 7/20/50

2

1+41

358<sup>62</sup>  $\frac{567}{623}$   
F059

LOT 5-9 BLK. 207 ADD. University Heights

OWNER Klieka Lumber Co.

1+25'

358<sup>81</sup>  $\frac{552}{615}$   
F063

CONTR. Carl S. Woolsley

PERMIT NO. 3034

1+00

359<sup>20</sup>  $\frac{533}{597}$   
F064

0+75'

359<sup>18</sup>  $\frac{515}{576}$   
F061

0+00

359<sup>37</sup>  $\frac{496}{557}$   
F061

0+25'

359<sup>56</sup>  $\frac{477}{541}$   
F064 3' out

0+00 = North Line lot 5

359<sup>75</sup>  $\frac{458}{527}$   
F069 3' out

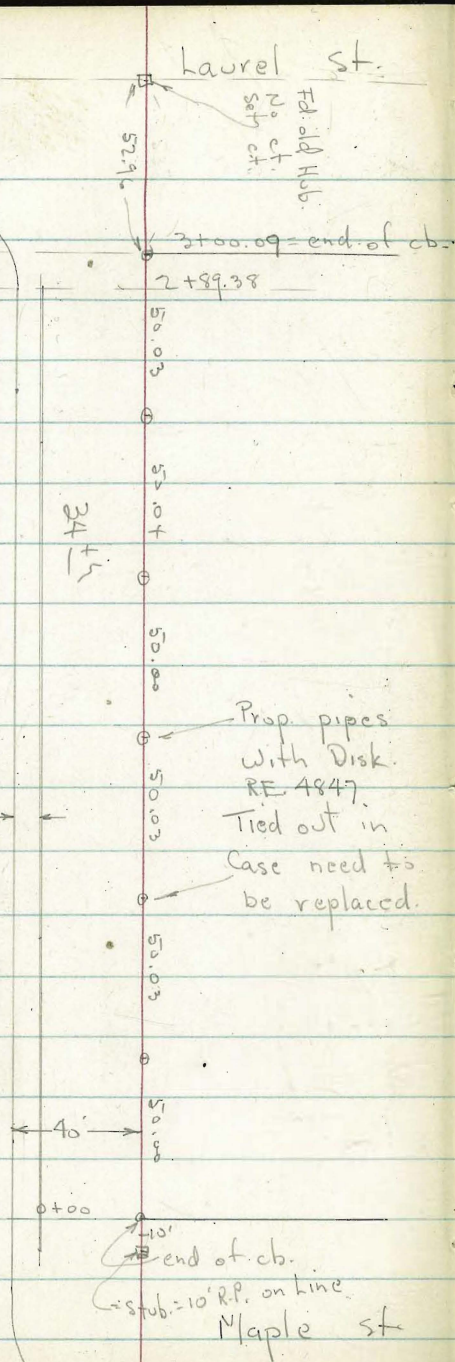
BM 3<sup>30</sup>

364<sup>33</sup>

361<sup>02</sup> SW L-7 7' line  
30° 21' Lincoln

INDYEVN  
MAR 23 1951

To Back edge  
of Exist. Roll  
Type cb. → 8'



Stake Roll type curb - on Prop. along  
W. line of 34' <sup>th</sup> Bet. Maple + Laurel  
Nails - 3' out in st. from W.L. 3

288.45 = S.E. Disk Teresita + Not meq. 6-20-49  
282.57 = Top Hyd. S.W. - Maple + 34' <sup>th</sup> 7.0.

= S.L. Maple 0+00 = Beg. cb.	78.42	278.72 8.42	F 0.30
+50	77.48	77.74 7.48	F 0.26
1 ~	76.48	76.75 6.48	F 0.27
+50	75.47	75.76 5.47	F 0.29
2 ~	74.40	74.77 4.40	F 0.37
+50	73.29	73.78 3.29	F 0.49
+89.38 = <sup>F</sup> opp. PC. on	72.65	73.00 2.65	F 0.38
3+00.09 = N.L. Laurel	72.46	72.90 2.46	F 0.44

Stake Curb + Walk 50' on Tennyson  
lot 92.

Stake Curb + Walk 100' on Tennyson  
Lots 3 + 4 4

Stake 3' BK cb face

0+00 West prop line lot 92  $\begin{matrix} 126.42 & 4.24 \\ & 3.51 \\ \hline & C-0.73 \end{matrix}$

0+00 West lot line lot 3  $\begin{matrix} 12.02 & 10.37 \\ 11.90 & 95.81 & 10.37 \\ \hline & 10.00 & \\ C012 & & C031 \end{matrix}$  ✓

0+15  $\begin{matrix} 126.19 & 125.68 & 4.98 \\ & & 3.72 \\ \hline & & C-1.26 \\ C021 & & \end{matrix}$

0+25  $\begin{matrix} 7.42 & 7.77 \\ 9.53 & 98.41 & 7.77 \\ \hline & & 7.90 \\ F011 & & F013 \end{matrix}$

0+50 East prop line lot 92  $\begin{matrix} 126.30 & 6.67 \\ 123.92 & 3.94 \\ \hline & C-2.73 \\ C231 & & \end{matrix}$

0+50  $\begin{matrix} 6.83 & 5.18 \\ 9.26 & 56.2 \\ \hline 10.43 & 101.00 & F0.44 \\ F043 & & \end{matrix}$

0+75  $\begin{matrix} 4.24 & 2.59 \\ 4.58 & 2.94 \\ \hline 10.34 & 103.52 & F0.35 \\ F034 & & \end{matrix}$

used SW prop cor Mon Wells + Tennyson  
also lot 1 tack opposite west Prop of Santa Catalina  
on South 5' line Tennyson lot 92

1+00 East lot line lot 4  $\begin{matrix} 1.65 & 0.00 \\ 2.33 & 106.18 & 0.49 \\ \hline & & F0.49 \\ F068 & & \end{matrix}$

LOT \_\_\_\_\_ BLK. \_\_\_\_\_ ADD. \_\_\_\_\_  
OWNER Shafer  
CONTR Harmon Perryman  
PERMIT 4439

LOT \_\_\_\_\_ BLK. \_\_\_\_\_ ADD. \_\_\_\_\_  
OWNER \_\_\_\_\_  
CONTR. \_\_\_\_\_  
PERMIT NO. \_\_\_\_\_

*Indexed  
new*

TP 0.61 118.47 12.80 117.86

BM

571 89.86 89.83 SE DP Catalina  
Tennyson

TP 11.20 130.66 0.39 119.46

TP 1.57 95.57 12.18 94.00

BM 12.93 119.85 106.92 SW Prop Mon Wells + Tennyson

TP 0.49 106.18 12.78 105.69

curb stakes for Lot 8 - Block G

Encanto Hts. - Map 1063

# 4081

12-8-49 - 7.0.

W.O. 20007

0+00 = E.L. of 63<sup>rd</sup> on South.

Exist cb. 209.25

3+54.2 = opp. W.L. Lot 209.31 209.65<sub>21</sub> F 0.34

3+95.34 = Brk. 210.13 210.20<sub>13</sub> F 0.07

4+04.84 = E.L. 210.46 210.44<sup>46</sup> C 0.02

Exist Cb. 210.38

D.M. = Top Hyd.

212.62

S.E. - 63<sup>rd</sup> + Imperial.

LOT 8 BLK. G ADD. Encanto Heights

OWNER S. D. Gas & Electric Co

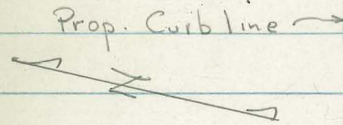
CONTR. A. I. Riley

PERMIT NO. 4541

line to 7' ct.  
at E. of 65<sup>th</sup>

(6347 trap)

5



13'

Brk. 9.5'

H<sub>2</sub>O

4.1'

Imperial

354.2

7'

Fd. Disk

45 F<sub>1</sub>E<sub>9</sub>

50.6  
Fd. Iron pins

Lot 8  
Block G  
Encanto  
Hts. Map 1063

Re stake curb on

Imperial Ave

Mulker  
Flanagan  
Pope  
Reissior.  
12-30-47

East of 631st.

from notes on P-5

INDEXED  
MAR 23 1951

6

	Excess Stakes	Ex. Top Curb.	Fills	offsets
4+04.84	5.53	209.99	210.44	F045 3' Rt.
3+95.34 = Brk	5.85	209.67	210.20	F053 3' Rt.
3+54.2 P-5			209.65	
621 215.52		209.31		B.M. on stake 3+59.2 P-5



Roberts  
Garber  
Moore  
Clark  
2-14-50

Grade Stakes for Ch. & Walk in  
Warrington St From Tennyson St.  
to Line Point Loma Hts.  
(Lot 1 BLK 20 Point Loma Hts.)

Indexed  
*[Signature]*

7

1+30

Rt.  
84.83  
5.75  
6.26  
F0.51

VI 1 BLK. 20 ADU. Point Loma Heights

1+05

OWNER \_\_\_\_\_  
CONTR. \_\_\_\_\_  
PERMIT NO. \_\_\_\_\_

84.92  
5.66  
5.25  
C-0.41

0+80

85.01  
5.57  
5.34  
C-0.23

stake

0+55

85.10  
5.48  
5.40  
C0.08

4" BK

ch. face

0+30

85.18  
5.40  
5.43  
F0.03

0+00

Exist.  
Ent. curb Ret.

85.28  
5.30  
5.28  
C-0.02

2.83 90.58

BM

0.63 96.38

8.63

87.75  
95.75

N/W Br. P19  
Tennyson & Alicia

90.58

Curb Grades - Fenelon St.  
 Lots 10, 11, 12, Blk 46 - Roseville  
 Profile #1151

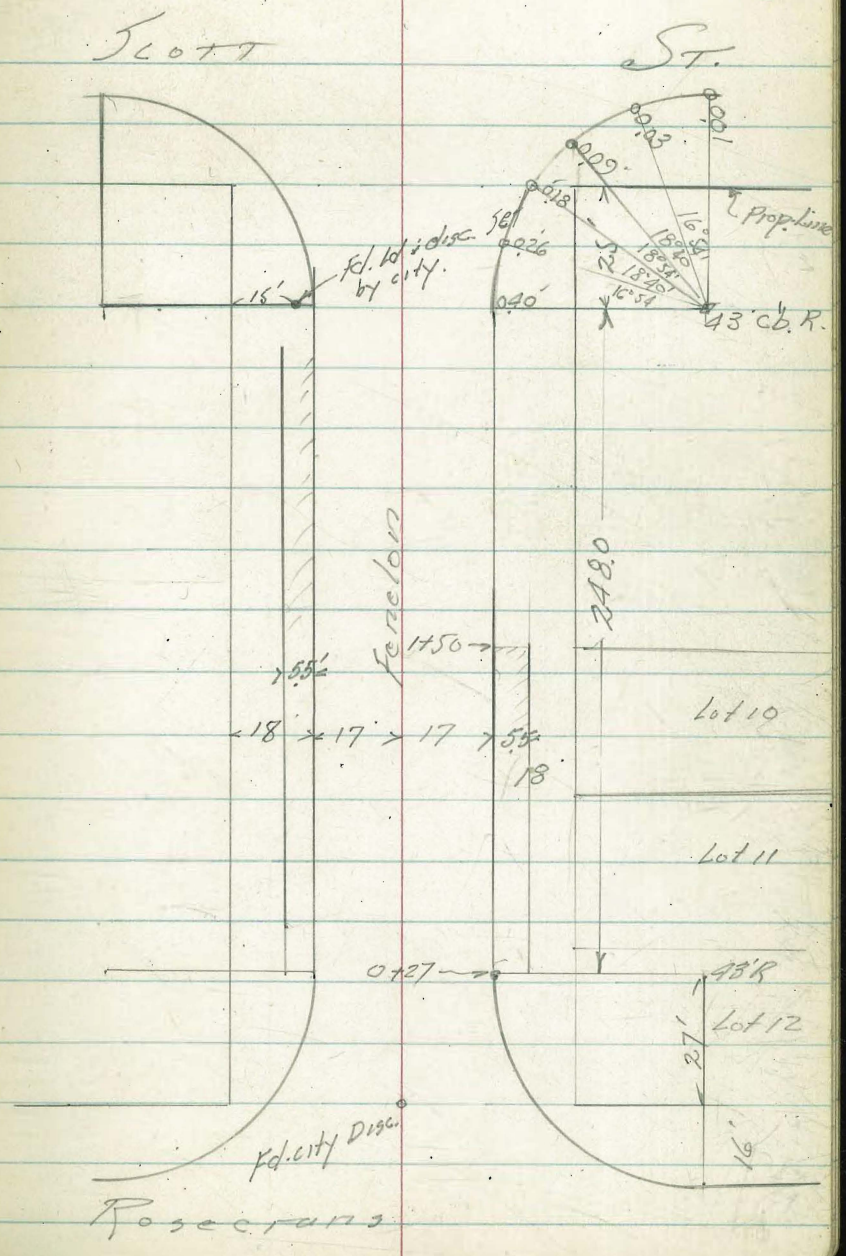
Ref. - Ties in FB 1776 - 37

Walker 116 20007  
 F. Gregory  
 G. Pope  
 R. Sisson  
 3-21-50

	Prop. line	El. Top Cb.
3 + 01.68 = Sta on cb Ref		0.18
2 + 87.68 = Sta on cb Ref.		0.26
2 + 75 = B.C. 43' Cb.R.		0.40
2 + 50		0.59
2 + 00		0.96
1 + 50 = End		1.30
1 + 00		1.75
0 + 50		2.20
0 + 27		2.40

2.40' B.M. on cb

LOT 10-12 BLK 46 ADD. Roseville  
 OWNER H. G. Lewis  
 CONTR. Harry Arndt  
 PERMIT NO. 5675



# Curb Grades: SCOTT ST.

Walker  
 F. Gregory  
 G. Pope  
 R. Sisson  
 5-28-50

on W. Side  
 from Fenelon to Emerson,  
 stakes set 6' from cb.

INDEXED  
 MAR 23 1951

Emerson 9

chk. cb E.C. = 60' Lt. 0+52 <sup>FB 1776</sup> 76 160 ✓

El. curb.

1+50

1.00

1+05

0.70

0+65

0.44

0+25

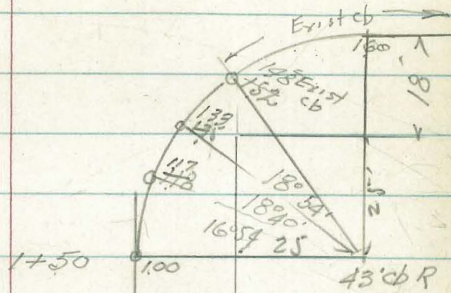
0.17

0+00

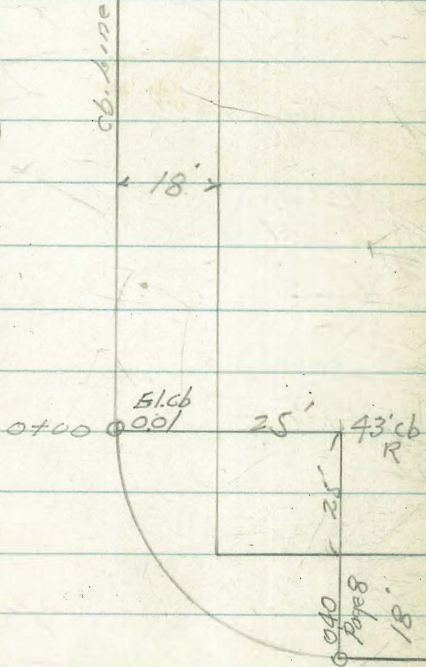
0.01

Temp. B.C. Ret.  
 B.M. on stake

0.40



SCOTT ST.



Fenelon St.

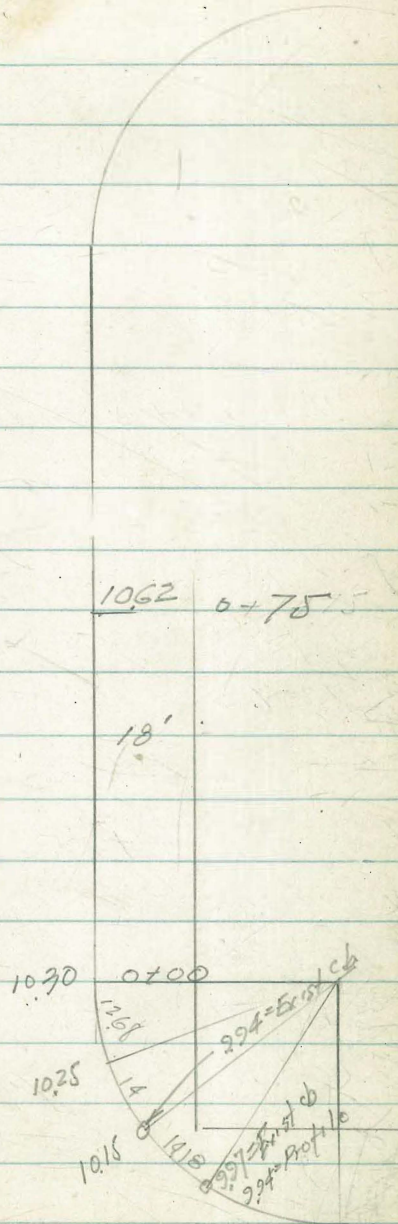
Curb Grades - Locust St.

HUGO ST 10

chk NW 1/4 Top cb	1108 = Profile 1110
0+75 = Exist cb	1062 = Exist cb
0+40	1048
0+10	1035'
0+00	1030'
0-125	1025'
0-25	1018' = 0.25 Above Exist cb Which has settled



Locust St.



Garrison

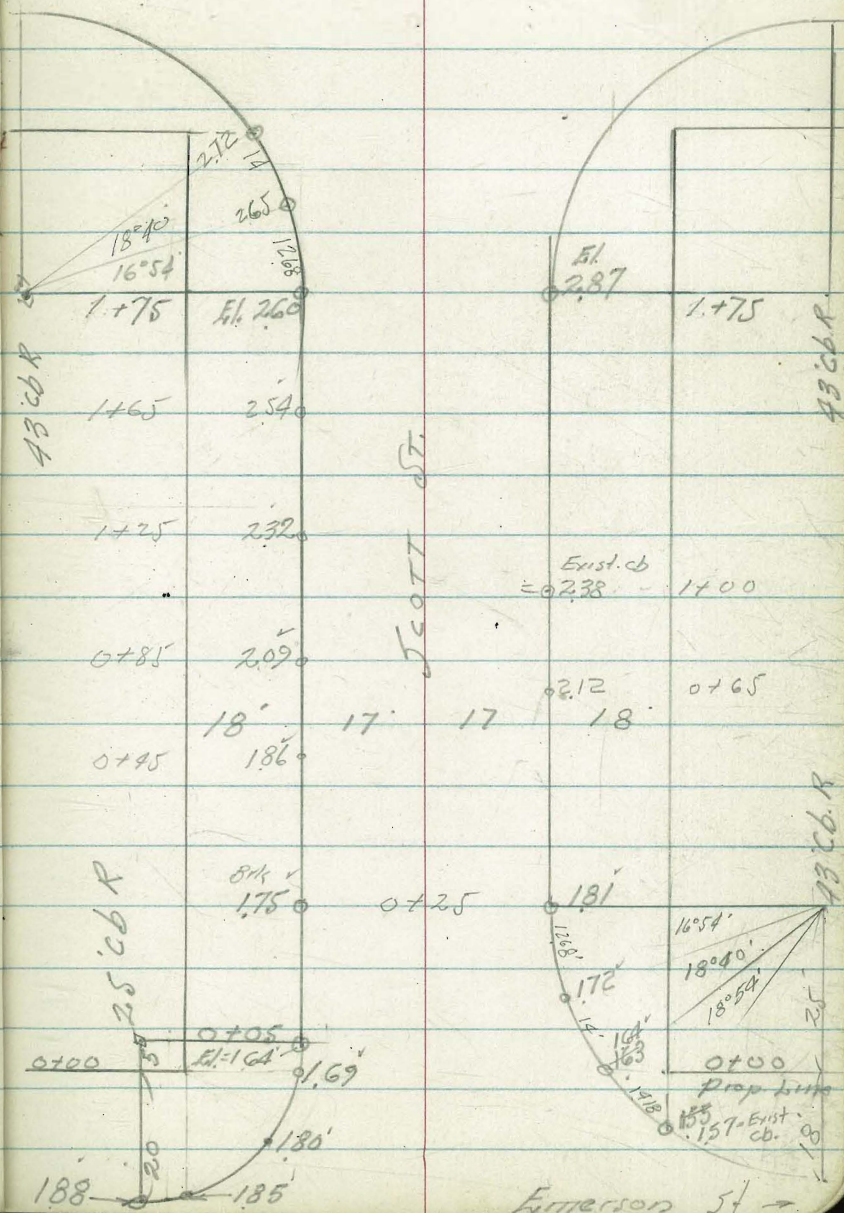
Curb Grades - SCOTT ST.

Emerson to Dickens

Walker  
 F. Gregory  
 G. Pope  
 R. Sission  
 4-3-56

INDIVIDUAL  
 MAR 23 1951

Note: Grades from Plan 7834-L



Dickens St.

B.M. Cop Disc.  
 NLY 15' line  
 ELEV 164.1  
 25' WLY WLY  
 line Scott  
 PB 2041-12

0.52

Emerson St →

# 4388  
W.O. 20006

4-25-50  
70.

12

71<sup>st</sup> St.

Stakes on  
Prop. Line.

BM = Nail in Pole

531.00 = NW Cor.

Not for obs. 0+00

← Pipe

0+00

577.20

← Z →

+50

26.22 5 27.20 F0.98  
6.22

sf | 0+50

+80

25.79 26.59 F0.80  
5.79

Saravac | 0+80

1+00

25.16 25.80 F0.64

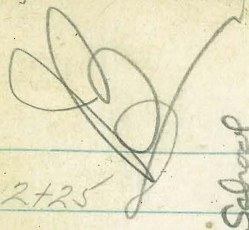
1+00

+10

24.68 25.25 F0.57  
4.68

1+10

← Pipe



Stake Curb Imperial Ave

Lincoln  
Westerly School @ 4941 to Alley Line East 474

WO# 20007

13

Part  
BLK. 51 ADD. Horton Purchase  
OWNER: Bd. of Education - Lincoln High School  
CONTR. East Stone Co.  
PERMIT NO. 5845

2+25	5.12 5.38 Fo 24	245.66 416 446 Fo 24	140.92
2+05	4.47 4.93 Fo 25	3.71 3.92 Fo 21	141.37
1+85	4.28 4.46 Fo 18	3.32 3.39 Fo 07	141.76
1+65	3.97 4.04 Fo 07	3.01 3.04 Fo 03	142.07
1+45	3.72 3.69 Co 03	2.76 2.65 Co 11	142.32
1+25 BKC	3.54 3.40 Co 14	2.58 2.38 Co 22	142.50
0+85.33	3.23 3.30 Fo 07	2.27 1.95 Co 32	142.81
0+42.66	2.92 2.88 Co 04	1.96 1.64 Co 32	143.12
0+10 W End Existing Cb on Imperial	2.61	1.65 1.63	143.43
B.M. 8.15	146.04	137.89	40th + Imp
B.M. 7.12	145.08	137.89	22+7 45th Imperial

5+01	8.14 7.71 Co 43	138.64	130.50
4+57	TP 0.88 6.35 5.78 Co 57	133.77	132.89
4+13	4.54 4.38 Co 18	11.00 10.82 Co 18	134.08
3+69	2.77 2.94 Fo 17	9.21 9.47 Fo 26	135.87
3+25	1.26 8.66 8.38 Fo 28	138.64 8.66 8.38 Fo 28	137.38
3+05	7.60 7.94 Fo 34	6.04 7.04 Fo 40	138.44
2+85	6.88 7.10 Fo 22	5.92 6.10 Fo 18	139.16
2+65	6.22 5.77 Fo 55	5.26 4.99 Co 27	139.82
2+45	5.64 6.07 Fo 43	4.68 5.10 Fo 42	140.40

245.66 fact

2' BK End

B.M.

SE. COR.  
47<sup>th</sup> & IMP.

75 7+35		7.68 7.63 C005	120.16	4.03 4.92 F039	3.76	119.84	7.68	112.16	
7705 7+15		6.73 6.75 F002	121.11	3.08 3.61 F053	3.76	127.84	11.76	116.08	
TP	1.97	124.19	11.83	122.22				137.91 ✓	
6+78		5.44 5.43 C003	122.38	11.39 11.55 F016	TP	6.97	141.24	-3.33	137.91 ✓
6+51 <sup>s</sup>		4.10 4.22 F012	123.74	10.03 10.20 F027	TP	10.93	134.41	0.14	134.27
6+25		2.75 2.85 F010	125.09	8.68 8.93 F028			10.19 11.76 F157	117.65	6.18 8.07 F209
6+05	0.75	127.84	1.78 1.76 C002	126.06	7.71 7.73 F002	17+93 BC 2' Road	10.29 11.82 F160	117.55	
5+85		11.66 11.55 C011	126.98	11.55 6.79 6.70 C002	7+85	9.93 10.20 F097	117.91	6.28 8.35 F207	
5+65		10.70 10.55 C023	127.86	5.91 5.70 C021	7+75	9.28 9.66 F038	118.56	5.63 6.44 F081	
5+45		9.93 9.69 C024	128.71	5.06 4.89 C017	7+55	8.53 8.65 F012	119.31	4.88 5.60 F07R	
		138.64				127.84			



Roberts  
Cota  
Moore  
Clark  
Oct. 3, 1950  
No 20007

Curb Staker On Events  
Lot 24 PL 1251 100' So. Pac. Beh. Dr  
on West Side Events  
Prof. 2341

0+80 INDEXED  
MAR 20 1951

1251  
6.77  
6.11  
6.21  
FO.10

0+60

1251  
7.00  
5.58  
5.98  
C 0.10

0+40

1251  
7.28  
5.30  
4.93  
C 0.37

0+20

1251  
7.30  
5.28  
5.19  
C 0.09

0+10

1251  
7.26  
5.32  
5.42  
FO.10

0+00 (Prop. Line  
Pac. Beh.  
EC

Exist. 1251  
7.23  
5.35  
5.33  
✓

End  
1700 Job

1251  
5.77  
6.81  
6.94  
F 0.13

BM

518 02.58

7.40

NWBP Events + Pac. Beh. Dr.

INDEXED

APR 20 1951

Stake Curb Sutherland St.

in front Sunshine Biscuit Co.

747  
D 12 Mon

WO# 20007

2-19-51 16

Kurtz St

	1164	□	3+00	
12 <sup>22</sup> CO <sup>93</sup>	1122	□	2+87 <sup>5</sup>	staked 3' bk cb face.
11 <sup>54</sup> 684	1022			
10 <sup>28</sup> CO <sup>18</sup>	1010	□	2+45	
9 <sup>23</sup> CO <sup>39</sup>	954	□	2+25	
9 <sup>21</sup> CO <sup>73</sup>	828	□	2+05	
9 <sup>05</sup> CO <sup>63</sup>	842	□	1+85	
8 <sup>26</sup> CO <sup>08</sup>	788	□	1+65	
	739	□	1+45	
	693	□	1+25	
	653	□	1+05	

475 □ 0+13

475 □ 0+00

BM.

431 NW chisel D  
Pacific  
Sutherland Ed. lot  
FB 20 75-20

747  
N 50'

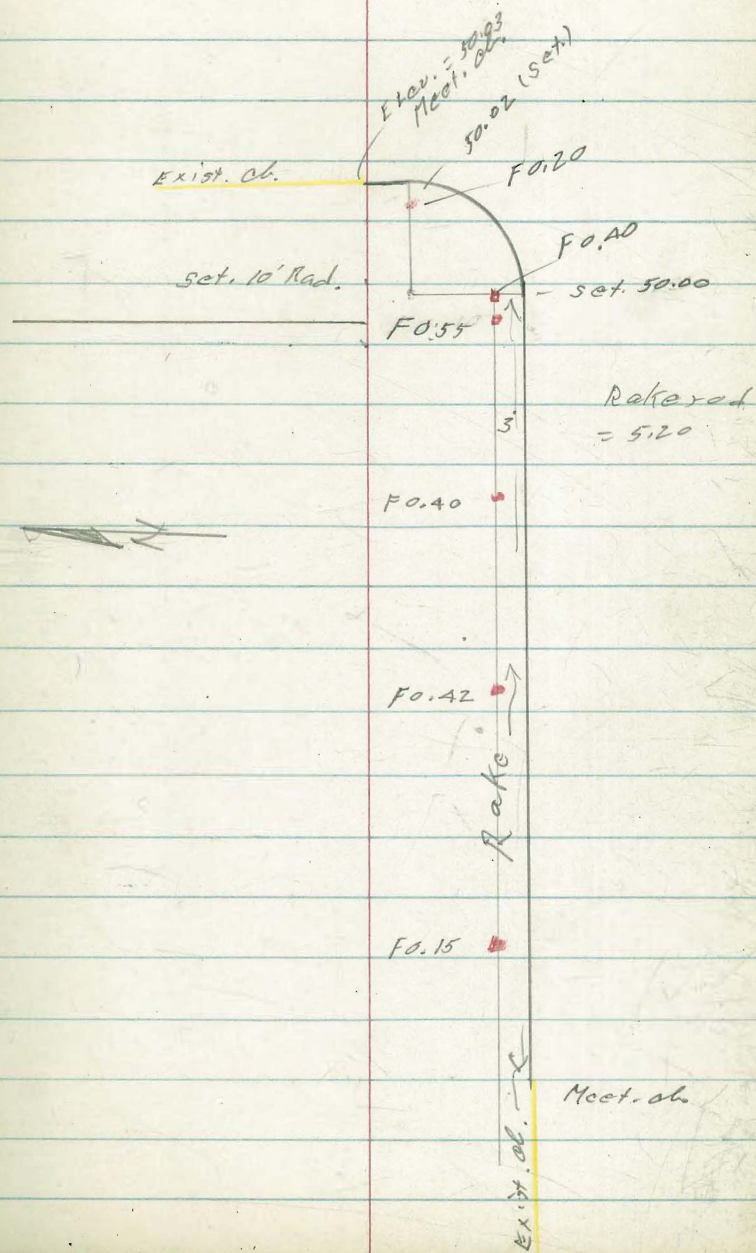
Pacific Sutherland East Prop  
0+00 Pacific

"E" St. Nly side  
west of 15th St.

Sommermeier  
Begg  
Wierciswozski

28-Mar. 1951  
V.V.O.

17



S.E. Cor. Marcey + 28<sup>th</sup>

50' cb. + 10' Ret

For. street Dept.

19-APR. 51

At Logan Hqts Library

NO 20008

Sommermeier

Tiesheet # 362

B. C. 99

Profile # 621

R. Sisson

D. Fleming

yellow = existing cb. + walks

Staked as located on sketch  
so as to conform to exist. Imps.

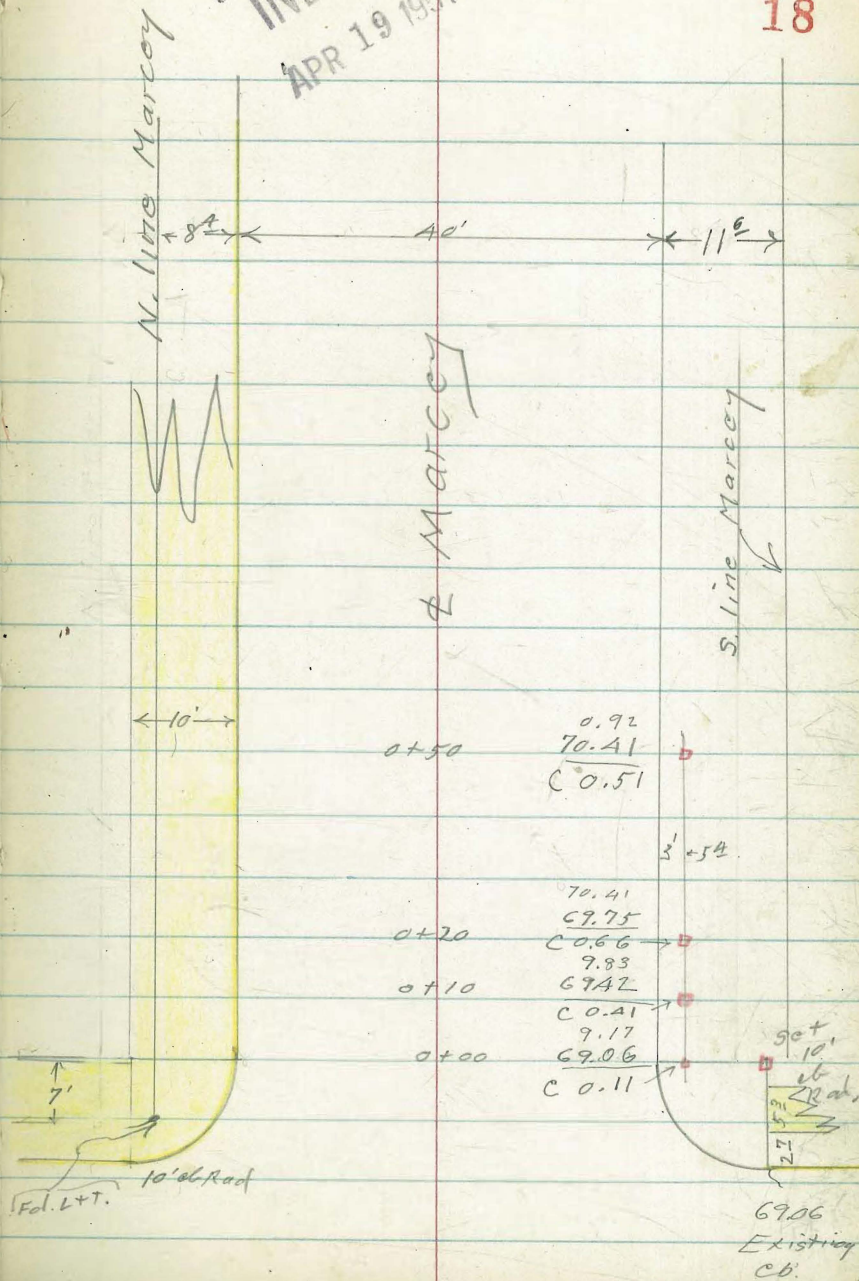
N.W. B.P. Logan + 28<sup>th</sup> EL. = 66.02

Direct Elev. Rod. used.

E.C. grade set at 69<sup>0.6</sup> same as B.L.

INDEXED  
APR 19 1951

18



Lots H+I BIK 13  
 Las Alturas #4  
 on Imperial - west of San Jacinto

INDEXED  
 SEP 24 1951  
 San Jacinto 19

9-6-51  
 Sommermayer  
 Bagg  
 R Sisson  
 C Ford

8.41  
 157.35  
 C-1.06  
 0+00 Def = 0°14'

Map 2052  
 F.B. 2005  
 T.P. sheet 333A

9.11  
 157.84  
 C-1.27  
 0+10.26  
 B.C. - R. = 1000.

= Fd. L+T.

stakes 3' back of ab. face

1036 Rad. = stake line Rate = 1.659' per ft.

9.15  
 158.31  
 C-0.84  
 0+25 Lot I

B.M. = E. L+T. San Jacinto + Imperial = 155.17

FB 2005  
 10

592A  
 159.10  
 C-0.34  
 0+50

Rate = .0315 per ft.

Lot H.

LOT #1 BLK. 14 ADD. Las Alturas  
 OWNER Roman Cath. Bishop of SA  
 CONTR. Milton E Sykes  
 PERMIT NO. 51487

15510  
 160.67  
 C-0.88  
 1+00

Lot G

3.24  
 162.24  
 C-1.00  
 1+50

33'  
 to curb line

Imperial

2-13-52

Hardin  
Hatch  
Pearson

N.O. 20007

Curb Stakes  
Blk 3 - Sun Harbor  
Lot 23  
3980 - F Street

40th

20

0+00 = <sup>P.C.</sup> Cb. Ret. 5.75

0+30 5.05

5.51 C 0.46

0+60 4.34

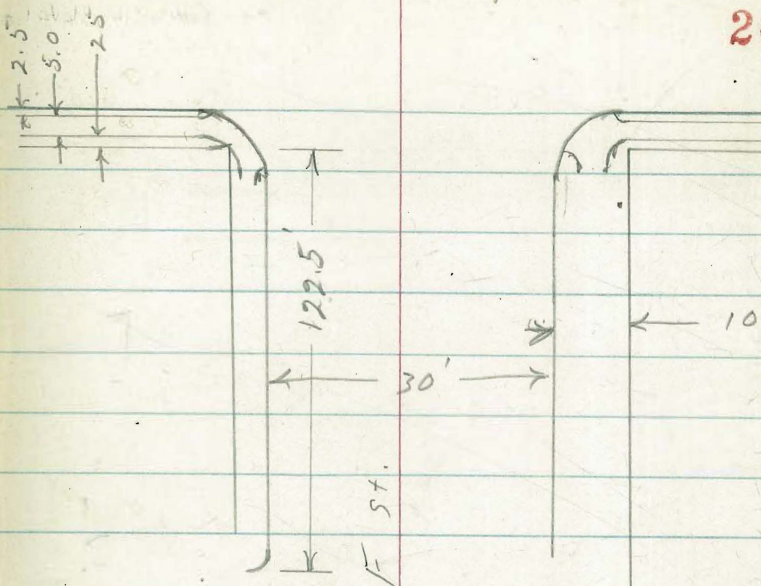
4.72 C 0.38

0+90 3.64

3.94 C 0.30

1+10.5 <sup>P.C.</sup> Alley Ret 3.16

3.16 Gr.



INDEXED

FEB 14 1952

Clark 3-29-52  
 Shephard W.O. 20007  
 Bruner  
 Bryson

CB. STK'S. LOT 15 OAK PK. ANNEX

21

LOT 15 BLK. ADD. Balk Park Annex  
 OWNER. R. R. Cooper  
 CONTR. Same  
 PERMIT NO. 60988

INDEXED  
 APR 2 1952

check. 315.58 315.57 elev B.P. N/W UNIV. + 52nd

# 1 at N.L. Wightman

331.43  
 331.75  
 F 0.32

0+42 - CB. RC

331.52  
 331.95  
 F 0.43

0+30.08 B.H.C.

331.60  
 332.00  
 F 0.40

0+21

331.70  
 332.05  
 F 0.35

= 0+00

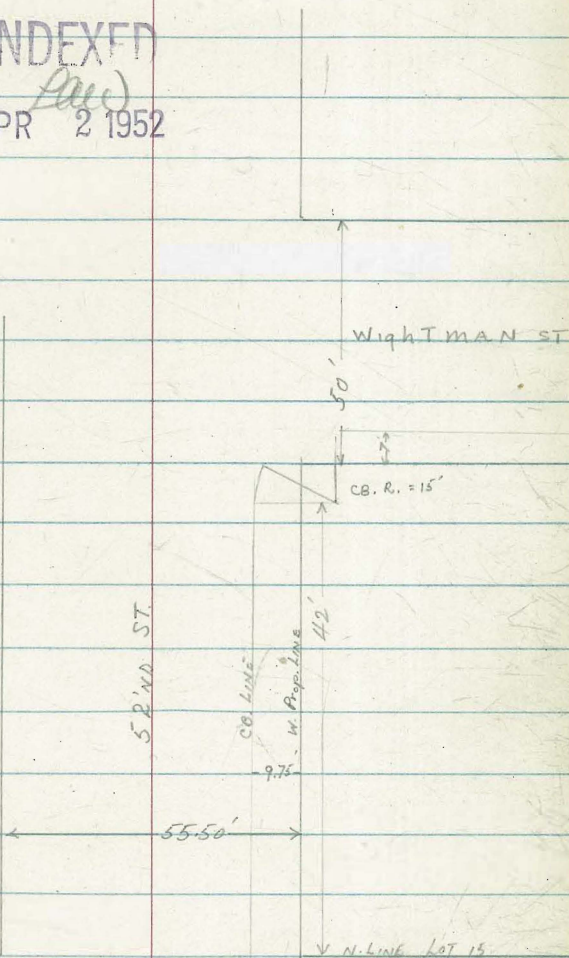
Begin CB. N. Line Lot 15

Rod. 332.00  
 Elev. 332.15  
 F 0.15

STK. lot 3' blk. C.B.F.C.

315.57 Direct. elev. Rod

315.57 B.M. N/W B.P. University + 52nd



D. Smith  
C. Allen  
R. Taylor  
R. Parks  
Wm. Hoffman

Stake Cbs NE Cor

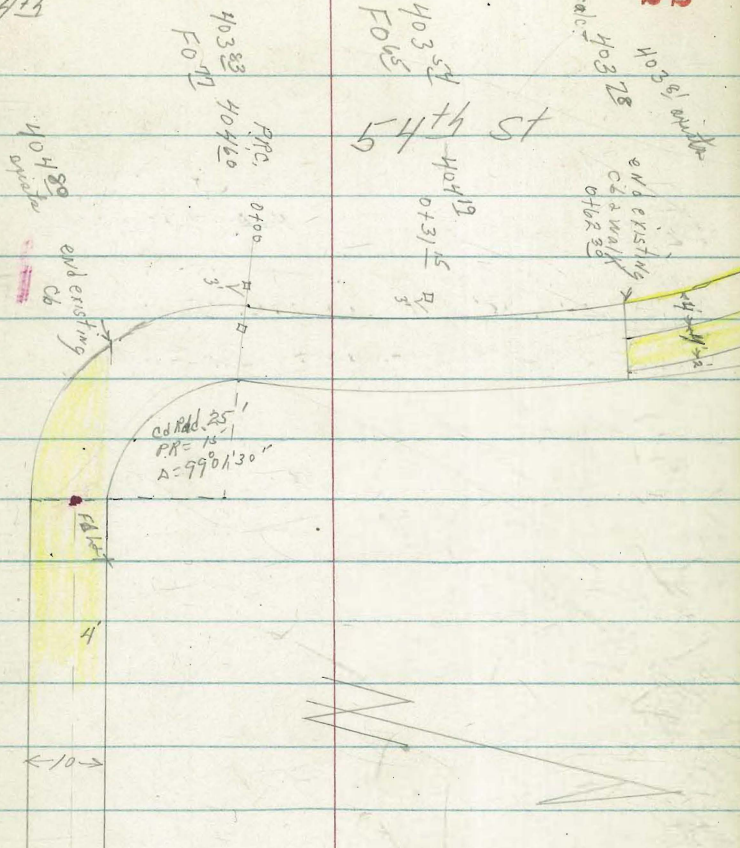
54th & E/Cajon  
ON 54th

Wot# 20007  
9-5-52 22

LOT Porter BLK: ADD Lemon Villa  
OWNER: Perry & Douglass  
CONTR: Fritz Nachant  
PERMIT NO. 87180

~~LOT ADD BLK: ADD  
OWNER: ADD  
CONTR: ADD  
PERMIT NO. ADD~~

403 81  
403 78  
403 52  
403 45  
54th ST  
404 19  
404 15  
404 12  
404 9  
404 6  
404 3  
403 28  
403 25  
403 22  
403 19  
403 16  
403 13  
403 10  
403 7  
403 4  
403 1  
402 28  
402 25  
402 22  
402 19  
402 16  
402 13  
402 10  
402 7  
402 4  
402 1  
401 28  
401 25  
401 22  
401 19  
401 16  
401 13  
401 10  
401 7  
401 4  
401 1  
400 28  
400 25  
400 22  
400 19  
400 16  
400 13  
400 10  
400 7  
400 4  
400 1



E/Cajon

INDEXED  
law  
SEP 8 1952

BM

419 31  
NEBR Dayton,  
E/Cajon

FO LFT



242' curb + walk  
 N. Ely. Hugo + Scott

23

C.H.S.  
 Begg  
 Olthoff

9-22-52

sheet 7837-L

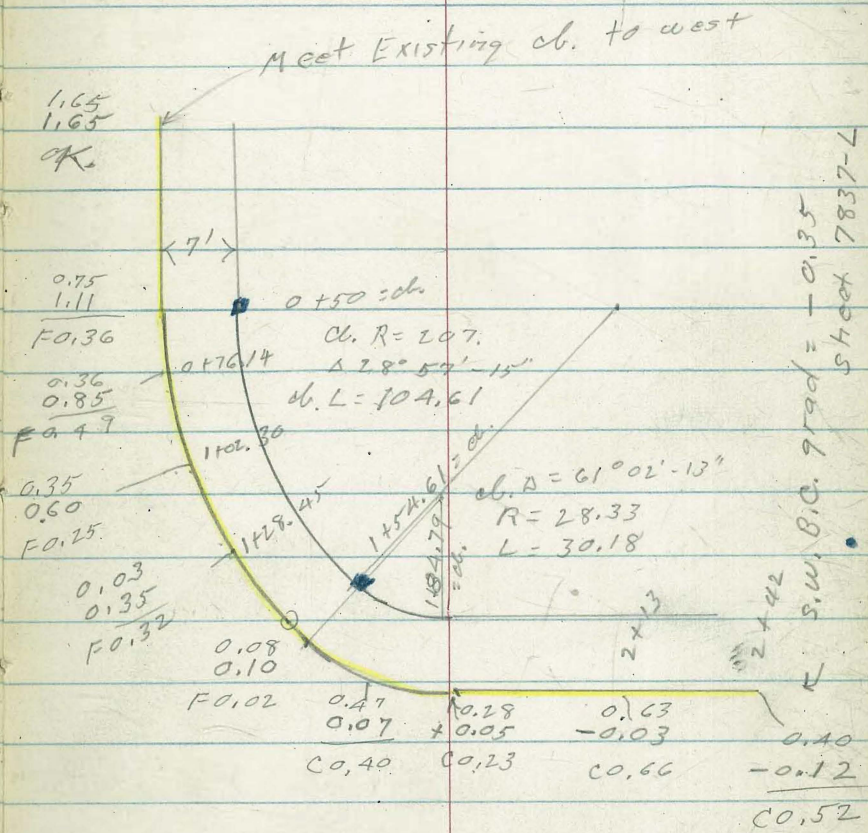
F.B. 2129-47

B.M. = S.W. 1/4 15' disk on O.C. Garrison  
 at Scott + Garrison  $E_L = 1.51$

Stakes set 3' back of Cb. face.

0+50 to 1+54.61 - into 4 parts

Chord = 25.75 Div 3 = 3'-37"-10" each



INDEXED

SEP 23 1952

Stake 100' of curb on E. side of 7<sup>th</sup> St

N. of El Cajon -

# 6575

9-29-52

7.0

W.O. 20007

Exist. cb. = N.L. El Cajon

0+00 = End of

Meet. 480.10

+06                      81.88     $\overset{1.88}{80.35}$     c 1.53

+16                      82.16     $\overset{2.16}{80.94}$     c 1.22

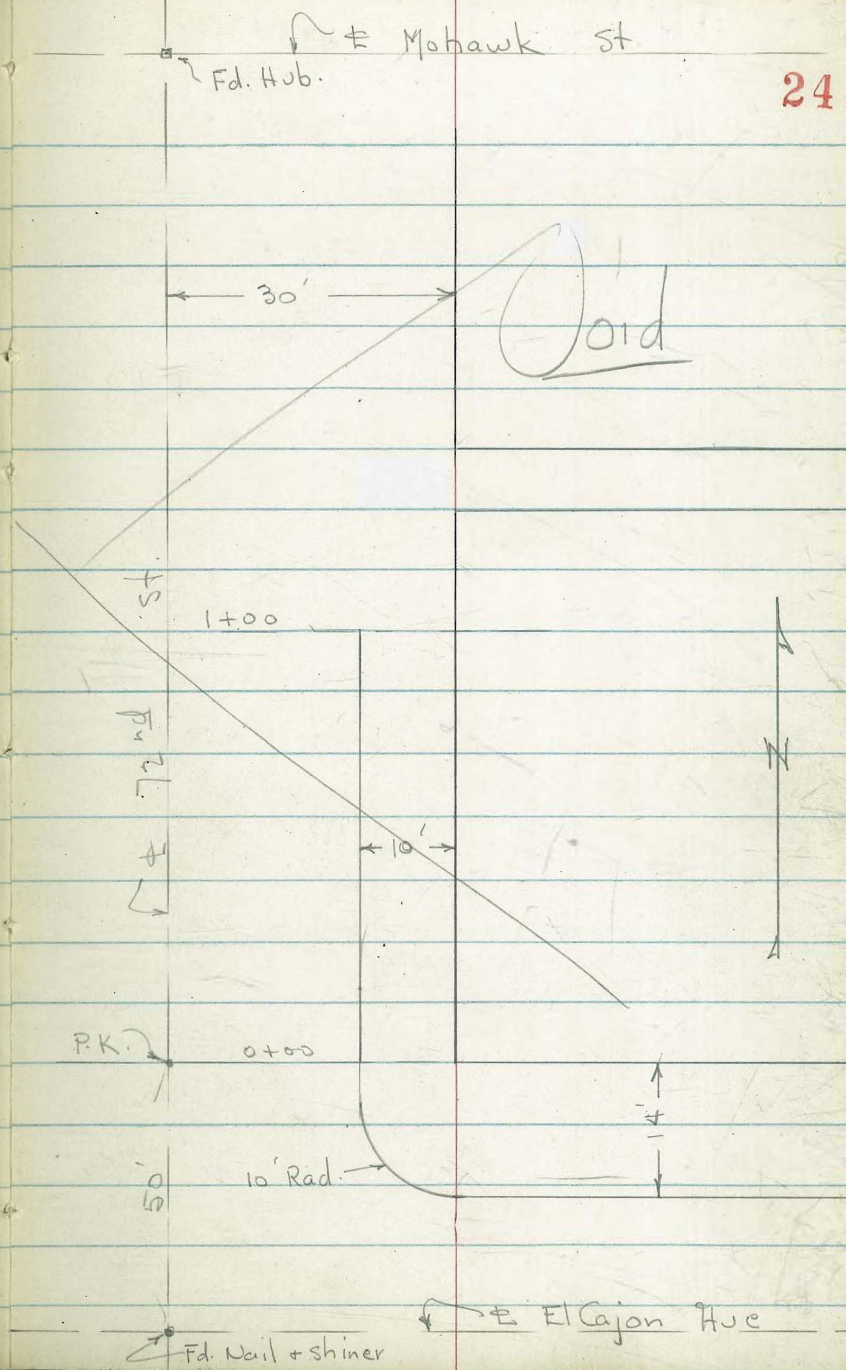
+60                      84.56     $\overset{.56}{84.05}$     c 0.51

1+00 = end            86.83     $\overset{.83}{86.41}$     c 0.42

3 Back.

B.M. = S.W. B.P. 7<sup>th</sup> St + El Cajon

480.44



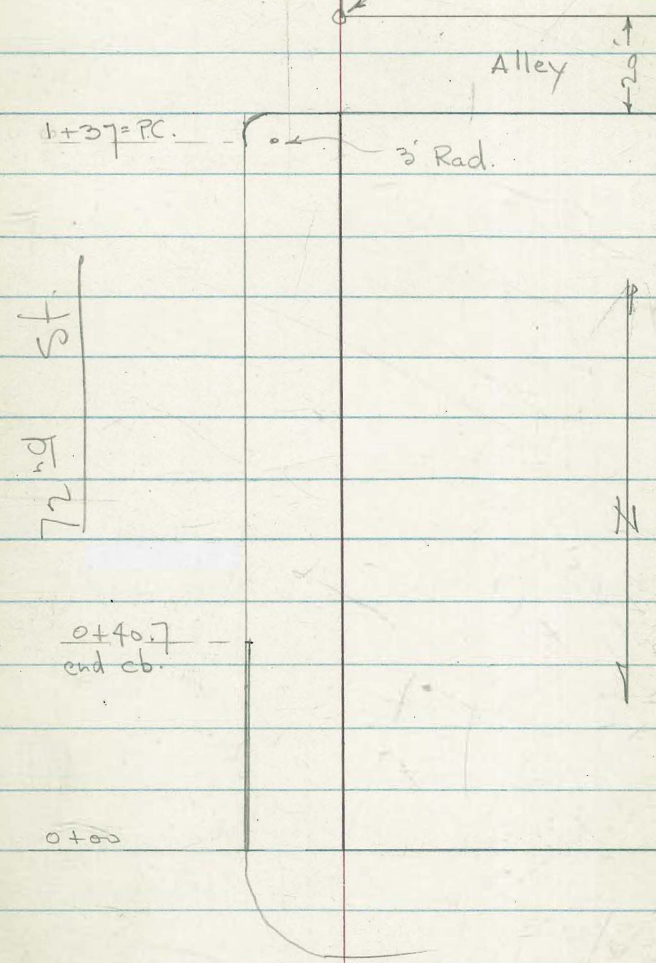
INDEXED  
 Saw  
 OCT 2 1952

25

Stake 100' of cb. + Alley Ret. on  
 W. Side of 72<sup>nd</sup> - S. of El Cajon  
 #6575 10-1-52 - 7.0.

W.O. 20007

0+00 = S.L. El Cajon	80.21		
0+40.7 = end cb.	79.25		
+70	78.82	78.97	F 0.15
+90	78.37	78.84	F 0.47
1+15	78.02	78.74	F 0.72
+37 = PC. 3' Rad.	77.93	78.65	F 0.72
PC. - To S.	77.93	78.70	F 0.77
end at W.L.	78.10	78.84	F 0.74



El Cajon

Lots 15 & 19 - Blk 373  
 E.O. Rogers Sub.  
 of old town

Mon.

26

Stake 25' of curb for Driveway  
 on sly. side of Moore St. Bet.

Graines

St.

Rosecrans + Graines

# 6586 10-6-52 7.0.

W.O. 20007 + Moore Book 2173 - P. 4

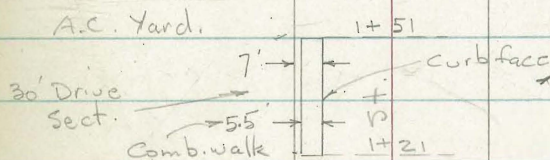
B.M. = Nail in Nly. Pole - Graines 4.44

INDEXED  
*Law*  
 OCT 7 1952

0+00 = wly. line of Rosecrans

1+21 3.54 3.17 C.O. 37

1+51 3.30 2.99 C.O. 31



LOT 15-19 BLK. 373 ADD. 20 Rogers Sub.  
 OWNER: Callahan Bros  
 CONTR: Same  
 PERMIT NO. 90629

Rosecrans

Mon.

25'

St.

4356 - Point Loma Ave

Lots 647 - Blk.

Pt. Loma Hqts

INDEXED  
Law  
OCT 27 1952

27

C.H.S.  
Oltman  
Begg  
Johns

10-17-52  
W.O. 20007

EL. = 188.52  
B.M. = S.E. B.P. Pt. Loma Ave & Santa Barbara

1+25.2

205.01  
205.01

yellow denotes existing curb.

Red: denotes curb staked (75')

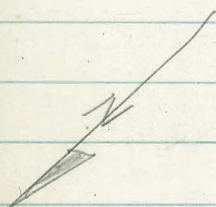
Data from work sheet by Johnson.

stakes 3' back of ch. face

Note.

check map for Blk. #

I do not have map.



1+10

2.47  
203.15  
FO.66

0+90

0.47  
200.85  
FO.38

0+70

8.90  
198.40  
C 0.50

0+50

6.90  
195.96  
C 1.00

0+07 = E.C.

R=30

R=18'

P.I. Existing Curbs  
set nail

Pt. Loma Ave.

Santa Barbara

LOT 233 BLK. 77 ADD. P.L. Hqs

OWNER: Marshall

CONTR. Al Kelley

PERMIT NO. 87577

Lot 21 Bk. 202, Pac. Beach

Indexed

CHS  
Be99  
altman  
Johns

10-20-52  
W.O. 20007

28

■ denotes Fd conc. man  
● " " " LTT

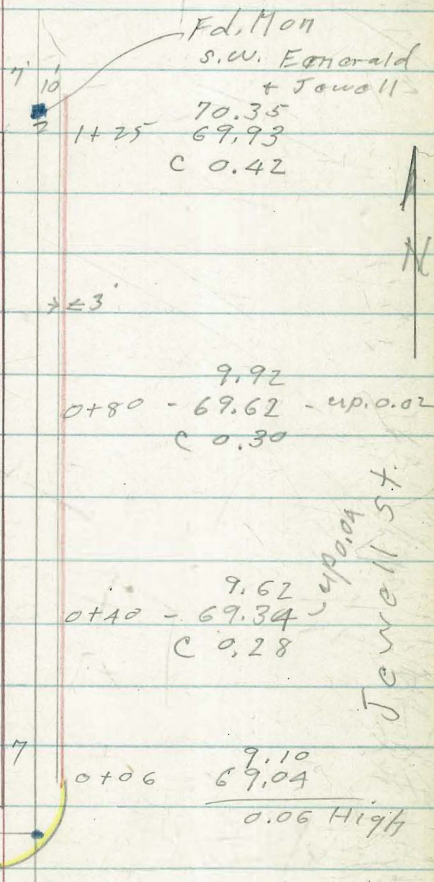
Stakes set 3' back of cl. face.

Red denotes curb stakes (119')

Profile # 1707

Rate of grade = 7.4%

Bk. 202  
22 21



Garnet

Allen  
Taylor  
Park

Stake 150' curb along  
Lot #67 - Point Loma Villas  
Pinsetta Drive W0# 20007  
11-15-52

INDEXED  
*Law*

NOV 14 1952

29

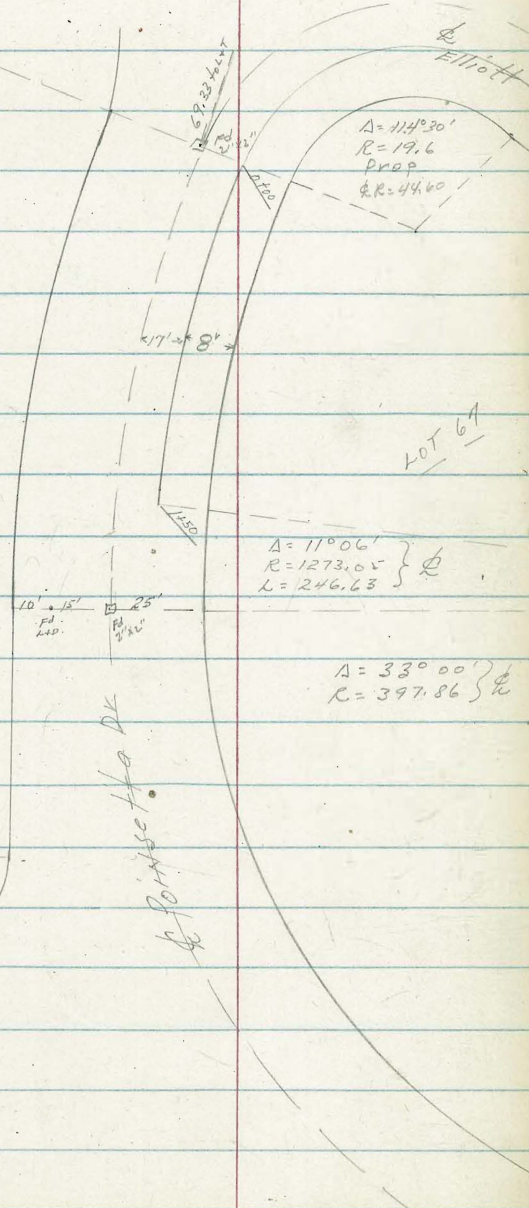
Curbs Changed to  
8' Curbs on East.

Ref:

Profile #1394

T.P. 642

T.P. 641



Curb Gr Stake

1450 (Sly 1/2 #67)	139.70	139.77	
1438.6	139.90	140.15	C-0.25
1413.6	140.20	140.22	C-0.02
0+88.6	141.30	140.09	E.21
0+63.6	142.50	141.10	F 1.40
0+38.6	144.20	142.41	F-1.79
0+00 (C6 EC)	146.80	146.95	C-0.15

*See page 30*

Tape Red used

(Formerly Villa)

BM = S.E. BP. Pinsetta Dr + Elliott (150 35)

See page 29

30

LOT 67 BLK. — ADD. Pt Loma Villas  
 OWNER. L H & Mrs Dowdy  
 CONTR. V R Dennis Co  
 PERMIT NO. 98111

8' Corbs

	cbG.	stake	
1450. sly of lot 67.	139.70	139.83	C013
1438 <sup>e</sup>	139.90	140.03	C013
1413 <sup>e</sup>	140.20	140.36	C015
0488 <sup>e</sup>	141.30	140.97	F033
0463 <sup>e</sup>	142.50	142.05	F045
0438 <sup>e</sup>	144.20	142.90	F130
0400. Cb.E.C. Poinsetta Hadr	146.80	146.84	C-004

(Formerly Villa Dr. Tape rod used.  
 BM: S.E.BP - Poinsetta Dr + ELLIOTT 15 (150)<sup>34</sup>



D. Smith  
C. Allen  
R. Taylor  
R. Parks

Stake Curbs 100' North on Swift from El Cajon NE Cor.

WD # 24007

31

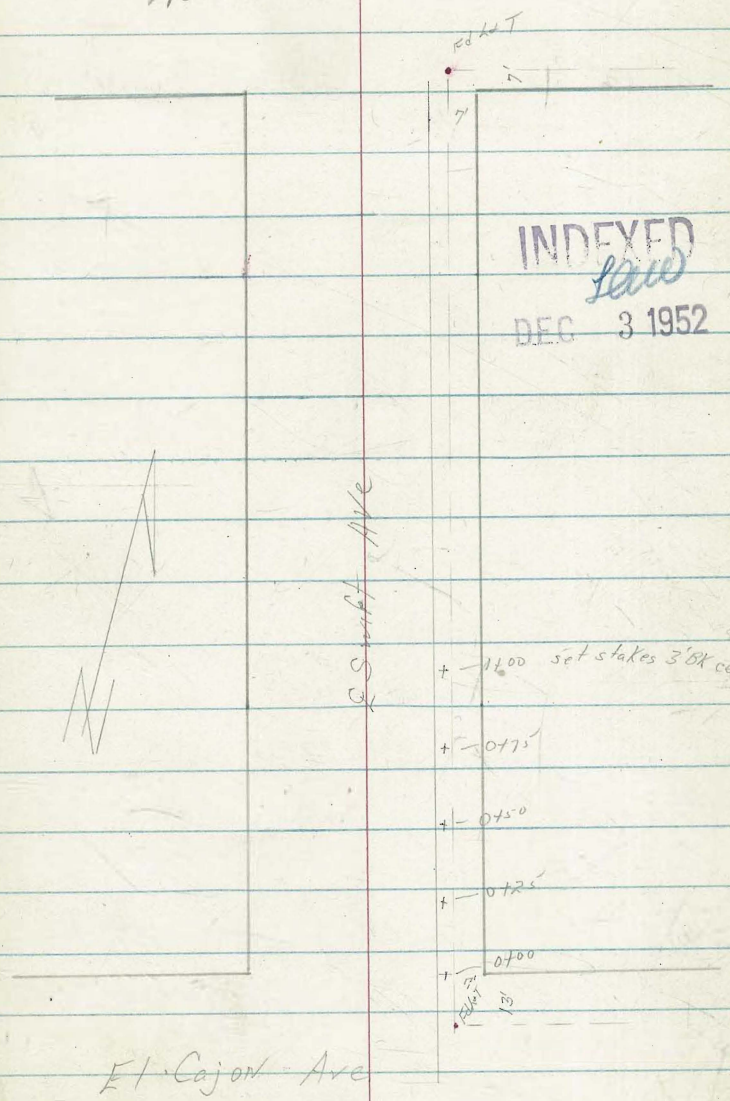
Note: Must be to replace existing post cb

Meade Ave

LOT 13 BLK. D ADD Sterling Court  
OWNER J. J. Peterson  
CONTR. R. R. Cooper  
PERMIT NO. 93524

INDEXED  
*slid*  
DEC 3 1952

	cb elev	stake 3' BK
1400	existing 381 <sup>96</sup>	382 <sup>09</sup> C013
0+75	381 <sup>70</sup>	381 <sup>82</sup> C012
0+50	381 <sup>45</sup>	381 <sup>60</sup> C015
0+25	381 <sup>20</sup>	381 <sup>22</sup> C002
0+00	380 <sup>94</sup> existing	381 <sup>05</sup> C014



El Cajon Ave

Roberts  
Cita  
Moore  
Pollen  
12-30-52  
W.D. #20007

Stake Curb Harbison Ave.  
Lot 7 B1K 18 La Mesa Colony  
Amherst - El Cajon  
Permit # A2875 Profile 2561 TP 4302

Did not want Alley Return Stake.

Permit A-2875

0+84.02 - 326 Rad. Alley Ret. 469.87  
469.26  
F 0.61

0+63 470.86  
470.25  
F 0.55

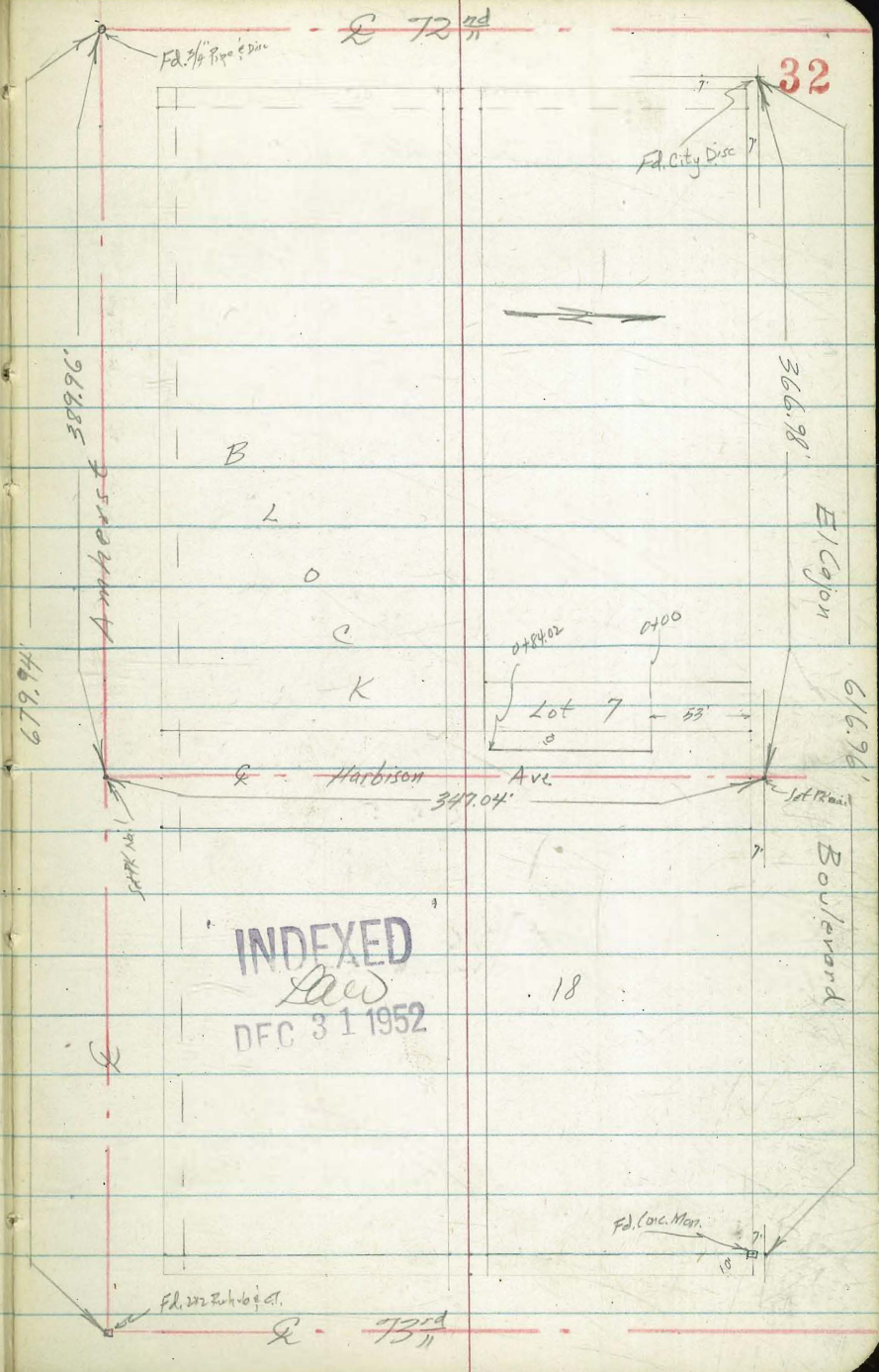
0+42 471.73  
471.26  
F 0.47

0+21 472.66  
472.06  
F 0.60

0+00 53' South of S.P.L. El Cajon 473.66  
473.59  
C 0.07

BM 470.35 SWBP  
El Cajon § 73<sup>rd</sup>

LOT 7 B1K 18 ADD. La Mesa Colony  
 OWNER: Robert Wilcox Jr.  
 CONTR. E. J. Leon  
 PERMIT NO. A 2875



Roberts  
Cota  
Moore  
Morales  
5-7-54  
WD #20007

Stake Curb Broadway  
41st to West 135th  
North Side Edwy.

Profile 2781

INDEXED  
JER  
MAY 10 1954

0+81.10  
17074  
169.79  
C 0.95

0+61.08 P/C  
17084  
170.16  
C 0.68

0+40.55  
17075  
170.44  
C 0.31

0+20.06 EC  
17107  
170.72  
C 0.35

17034  
167.72  
END  
1+35 PERMIT C 2.62

0+10  
17096  
170.94 170.85  
C 0.02

17047  
168.41  
1+21.10 C 2.06

W.L.  
0+00 41st. Exist. Cb.  
171.00 - Plans Profile  
171.16 Exit Actual Elev.  
17072  
2134.99  
1709.4

17040  
169.20  
1+01.10 C 1.20

BM

SWBP  
15766 Hilltop 2/7/54

Clark.  
Shepherd  
BRUNEY  
O'NEIL  
9-2-54  
W.O. 20

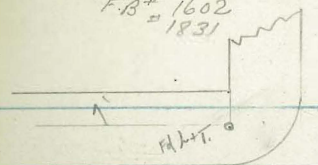
INDEXED  
SEP 10 1954

CB'S: ELY CB LINE ESTRELLA  
LOTS 19+20 (4219) + 42.35 ESTRELLA  
350' SLY TROTAN to pt 500' SLY TROTAN  
 Note: CB. Not continuous - 50' break between STA.  
 0+50 & STA 1+00

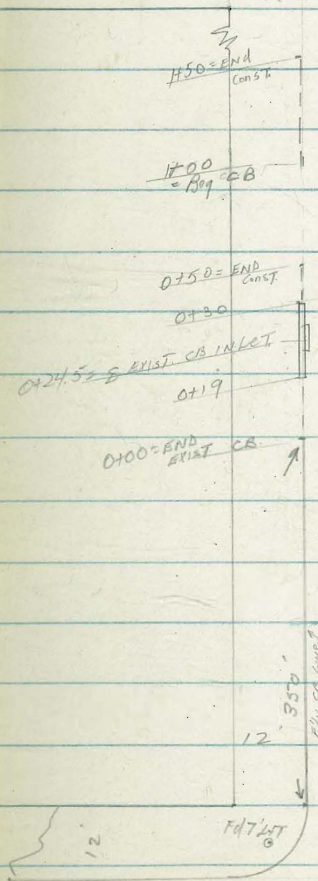
Ref: Profile sheet # 289  
 F.B. = 1602  
 1831

34

STA	CB Elev's:
1+50 = END CONST	342.66 343.18 F0.46
1+25	341.70 342.28 F0.58
1+00 = Beg. CB (244 50' CB)	340.78 341.44 F0.66
(0+66.15 = EVC 184.15' NLY N.L. ORANGE)	340.3 Profile # 289
0+50 = END CONST (137 50' FT. CB)	339.38 339.90 F0.52
0+46.15	339.26 Ad 339.80 Elev F0.54
0+30 = SLY END EXIST. INLET.	339.33 Elev. EX. CA
0+24.5 = S INLET	339.46 Elev. EX. CB
0+19 = NLY END EXIST. INLET (stubs set 3' BK CB FC)	339.54 Elev. EXIST. CB
0+00 = PT. 350' SLY S. LINE TROTAN	340.04 Elev. EX. CB
B.M. N.Y. ELEV. Rod:	



ORANGE



ESTRELLA

12'

36

TROTAN











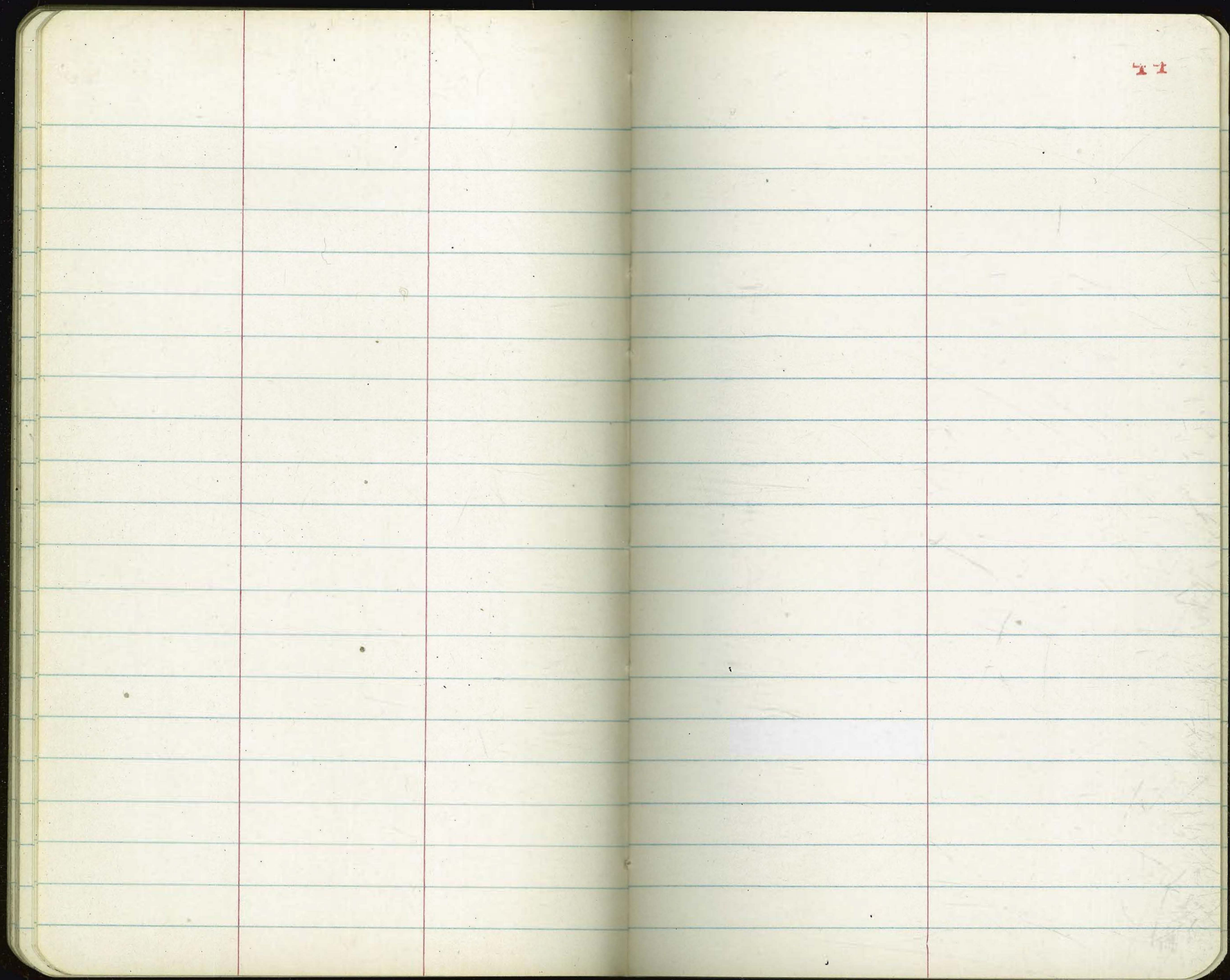












11







P













































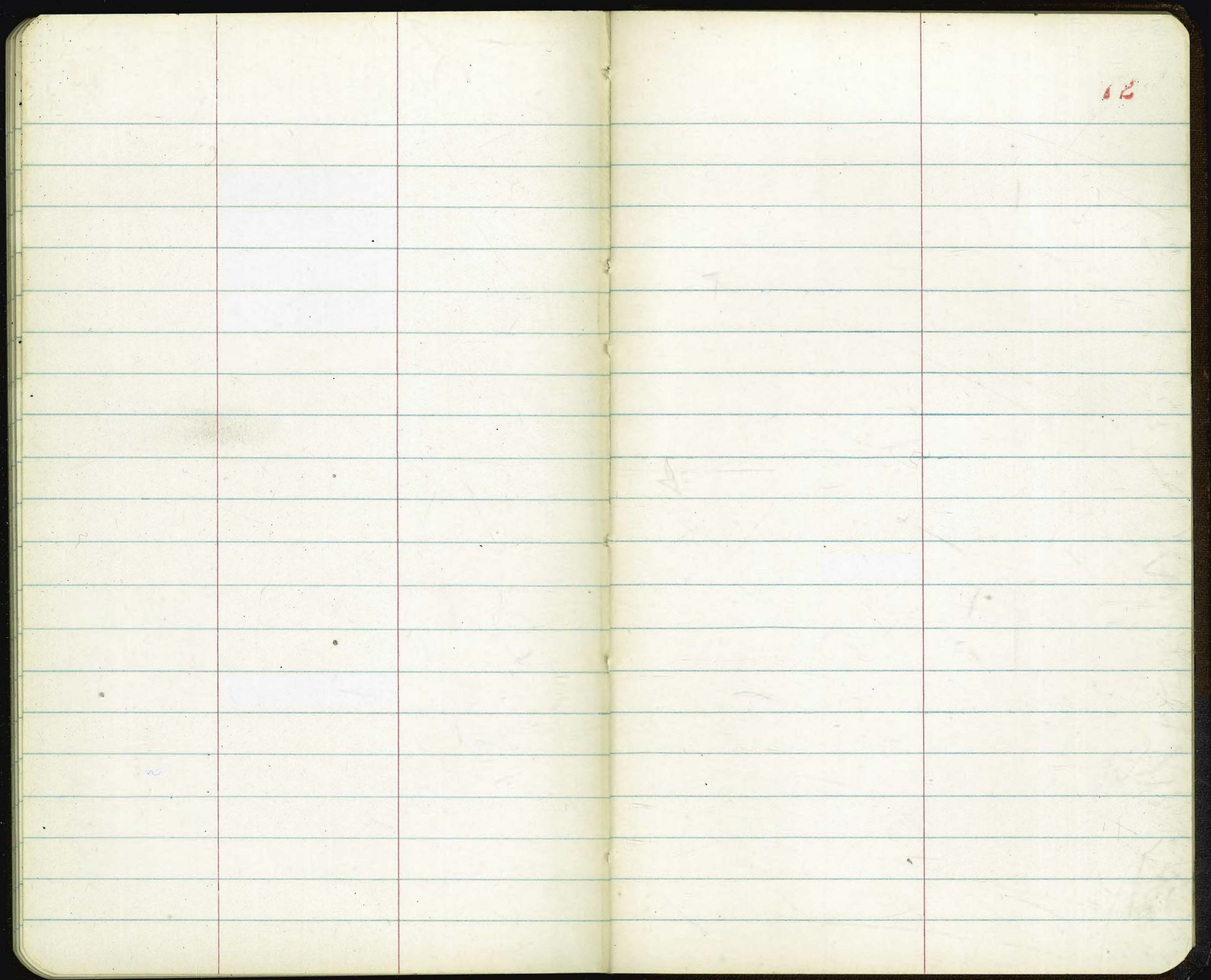




























80

25.80  
24.70  

---

50.50  
25.25

10' Curb Road  
 152.2  
 84.14  
 340  
 125  
 324  
 16.80  
 16.20  
 16.55  
 16.7  
 24.3  
 16.2  
 13934  
 30  
 13879

1 = 337.10  
 714.22

10035 1. 365.28  
 130  
 8413

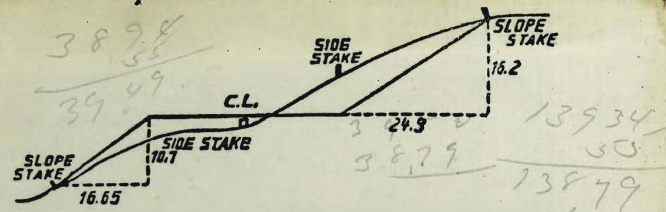
1050  
 35  
 4550

0035  
 32  
 1050

0035  
 26  
 175

0875

8483  
 .09  
 8492  
 .09  
 8501  
 .09  
 8510  
 .08  
 8519  
 .10  
 8528



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.  
 SLOPE 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	71.20	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

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