

B-26

# EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and  
SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning  
Roadway 16 feet wide. Side Slopes 1 on 1.  
For Single Track Embankment.

# B-26

210

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be  $30.6 + (20 - 16) \div 2$  or 2 ft. added to 30.6 = 32.6. For slopes of 1 on 1½ see inside of back cover.

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Made in U. S. A.

1911  
1912  
1913  
1914

4.59 7.01

2.42

S.M. & P.  
Indiana  
Market St

Walker  
Hardin  
Hunley 2-28-46  
Begg

LOT A BLK 21 ADD. NEW SAN DIEGO

OWNER H. S. WASH - 302 N. Redway

CONTR. J. B. BUTTERFIELD

PERMIT NO. 4546

Station	Curb on Kettner	E.L. Curb		
0+01 = F.C.	7.01	5.24	1.77	2.10
0+00 = S.L. Market St		5.24	1.77	2.10
+25		4.69	2.32	2.32
+50 = End		4.46	2.55	2.55

Curb on Market St

F.C. on S.L. MKT		5.24	1.77	2.10
①		5.02	1.99	2.04
②		4.99	2.02	1.98
③ = F.C. = 3.5' E. E. Line Kettner	5.08	1.93	1.92	
0+00 = E.L. Kettner		5.08	1.93	1.98
0+25		4.98	2.03	2.05
+50		4.98	2.03	2.05
+75	in Drive	5.34	1.67	2.11
+100 = End		4.86	2.15	2.17

BM set on Top Fire Pk.  
SE Kettner & MKT 2.03 4.98

Cuts & fill

-0.33

-0.33

0.0

0.0

-0.33

-0.05

1.004

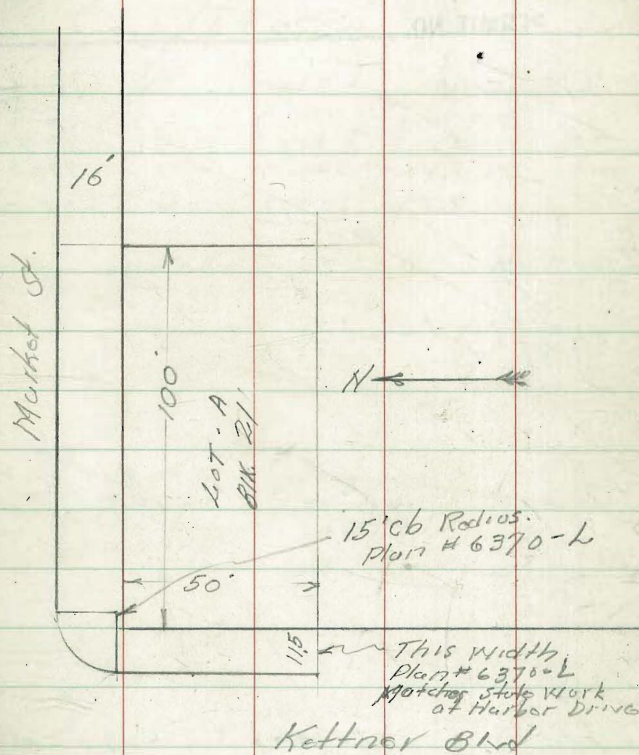
0.0

-0.05

-0.02

0.44

-0.02



Stakes set 2' back Cb, Face

10116-17 d.h. v. 1111, Lexington Park

OWNER K.C. Kooply 439a Poplar

CONTR. C. B. Saunders

PERMIT NO. 4597

SE 3/4 Pipe Con.	393	29307		289.14	Poplar Snowdrap
T.P.	8.16	29605	5.18	287.84	
T.P.	7.22	30250	0.77	295.28	
T.P.	9.87	30977	2.50	299.90	
		BC.			
	303.14	303.80	303.90	303.90 = 1/2	
	C.13	5.97	303.93	304.00	
	5.86	5.72	5.19	5.12	
	C 0.77	C 0.25			

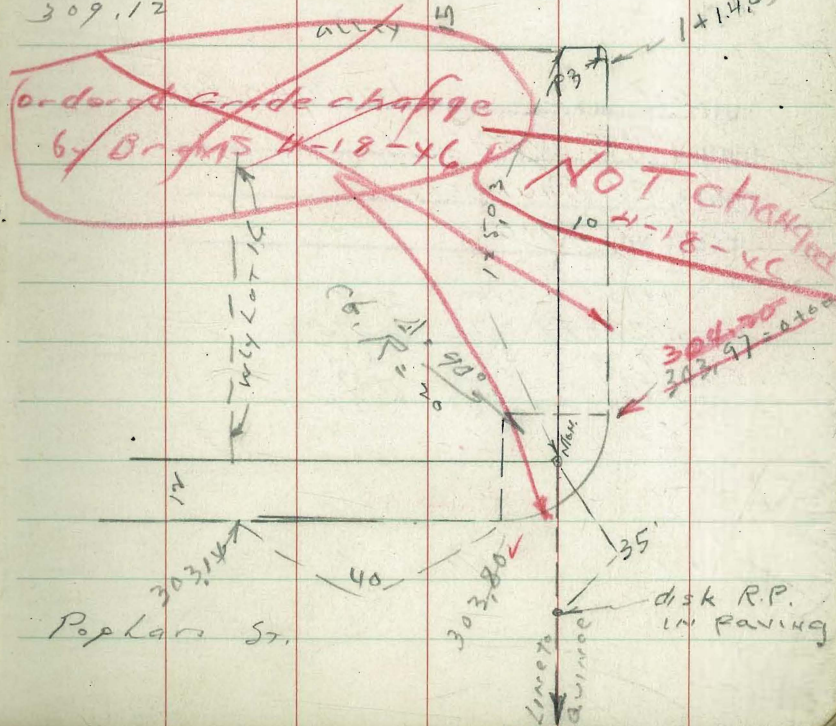
303.73	0+100 = E.C.	0+128x	0+56.79
<del>303.73</del>	<del>303.97</del>	<del>304.49</del>	<del>305.01 = B.K.</del>
304.09	304.20	304.62	305.04
5.03	1.9	4.50	4.08

1+00	3'R slalley		
305.66	1+14.03	306.01	Slalley grade
305.66	305.87	306.01	
305.67	305.88		

C. Moore  
S. Moore  
W. Moore  
Boggs  
4-2-46

309.17 = H.I.  
10.17  
299.60  
3.85  
303.45  
6.13  
297.22 = 297.19  
0.03

5 EBP FOUNDATION  
QUINCE  
303.80  
25  
304.05 = BM stake of B.C.  
5.07  
309.12



Walker  
Hendricks 4-17-46  
Hunley

LOT 9-13 BLK. 2 ADJ. Lexington Park  
OWNER C.F. Mortons  
CONTR. C.B. SAUNDERS  
PERMIT NO. 4709

307.28

Edine Heather	W.L. Lot 9	0775	1100	1425	1450	Bk. 17718
307.00	300.30	300.70	301.10	301.50	301.90	302.25
6.98	6.58	6.18	5.78	5.38	5.03	
6.89	6.39	5.96	5.81	5.26	4.79	
1009	+0.25	+0.28	-0.03	10.12	10.24	

LOT 14-15 BLK. 2 ADJ. Lexington Park  
OWNER W.E. VERZEY  
CONTR. C.B. SAUNDERS  
PERMIT NO. 4710

1775	2100	2125
302.80	302.72	303.14
4.98	4.56	4.14
4.67	3.98	3.37
+0.31	+0.58	+0.77

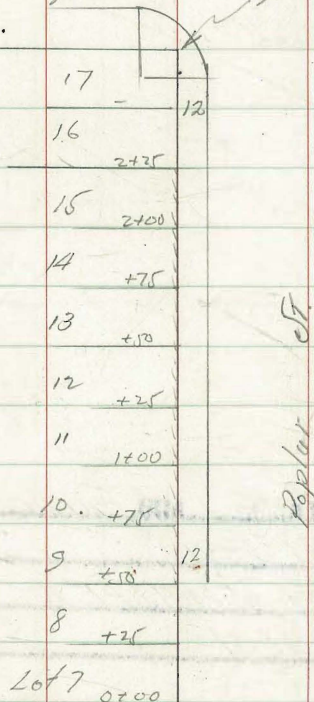
B.M. on stake P.3

303.14  
077-cwt  
30391  
3374  
307,28 x

4

Edine Lot 13  
1775  
302.30

Glenfield St 50' P.3



Heather St.

Walker  
Hendricks  
Hurley

5-9-46

LOT 15 BLK 34 ADD Fairmount Add.

OWNER 4817 Trojan

CONTR. G.H. SHAFER

PERMIT NO. 4634

Curb Raked

LOT 47 & 48 BLK 34 ADD Fairmount Add.

OWNER 4841 Trojan

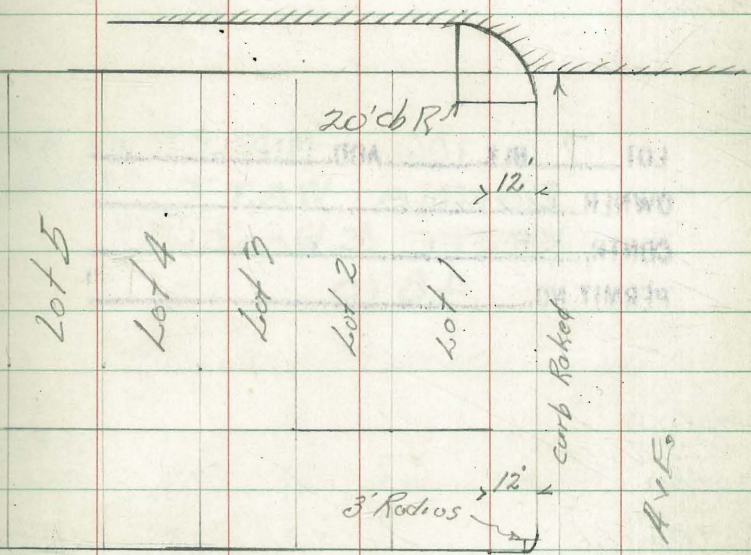
CONTR. G.H. SHAFER

PERMIT NO. 4631

Set stakes for Walk to fit exist curb

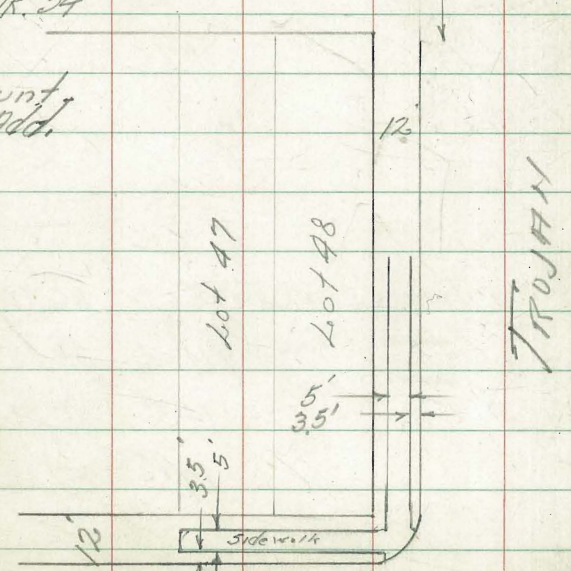
48th St.

5



Alley Blk. 34

Fairmount Add.



Estrella St.

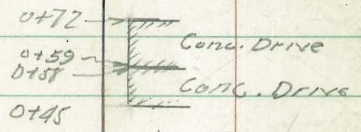
Walker  
Hendricks  
Hunley  
Carey  
6-15-46

LOT 7 BLK. 106 ADD. MIDDLETOWN ADD.  
OWNER DONNA WATT 2902 INDIA  
CONTR. KEEFE & WOODSLEY  
PERMIT NO. 4870

Station	9941			
W.L. India St. = 0+00		1.85	97.56	97.53
+05 = Bk		2.31	97.10	97.10
+10 = Bk		3.25	96.16	96.16
+48 = End		11.76		87.65
+75 = Bk				81.60
0+45	4" HYL. 07 Drive	12.65	86.76	
+58	4" " " "	14.26	85.35	
+59	35" " " "	14.35	85.06	
+72		16.25	83.16	

BM. S.E. BP OLIVE & INDIA = 100.96  
 2.477  
 + 103.43  
 4.26  
 FB. 571-P-75  
 BM N.E. BP PALM & INDIA = 99.17  
 0.247  
 99.417

PALM ST.



INDIA

ST.



LOT 12 BLK. 15 AINA La Mesa Colony  
 OWNER Lund  
 CONTR. August Gebert  
 PERMIT NO. 4896  
 14' sw. with stakes

curb in o.k.

no stakes needed

SwBP 3.61 484.07

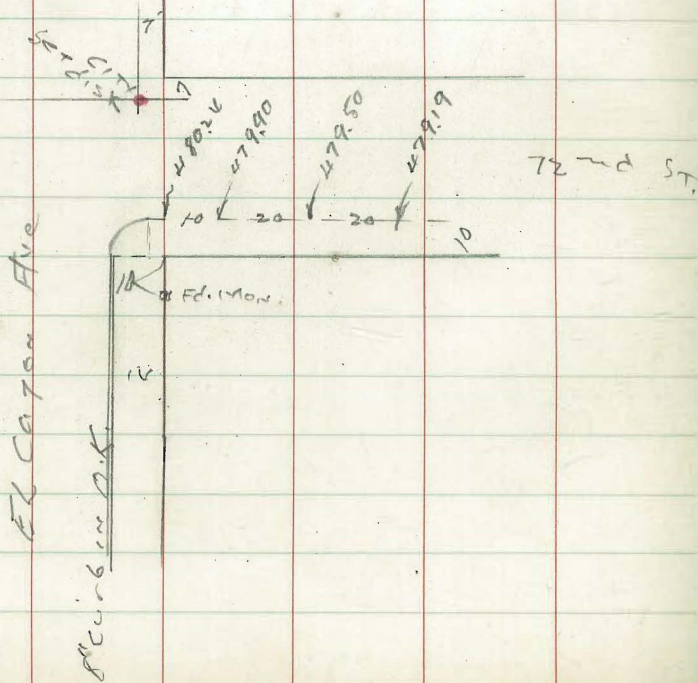
480.46 EL Canyon 72nd St

LUI 12 BLK 15 ADJ. La Mesa Colony  
OWNER Lurd  
CONTR. August Lebert  
PERMIT NO. 4897

Sw/C with stakes

G. Moore  
J. Moore  
W. Moore  
Boyer  
6-20-46

480.24 479.90 479.50 479.19  
3.83 4.17 4.57 4.88



Stakes set 2' Back

Walker  
Hendricks  
Hunley  
Carroll  
6-28-46

9

" 7 BLK. 106 AND MIDDLE TOWN ADD  
OWNER DONNA WATTS 2902 INDIA  
CONTR. KEEFE & WADSEY  
PERMIT NO. 4898 & 4907

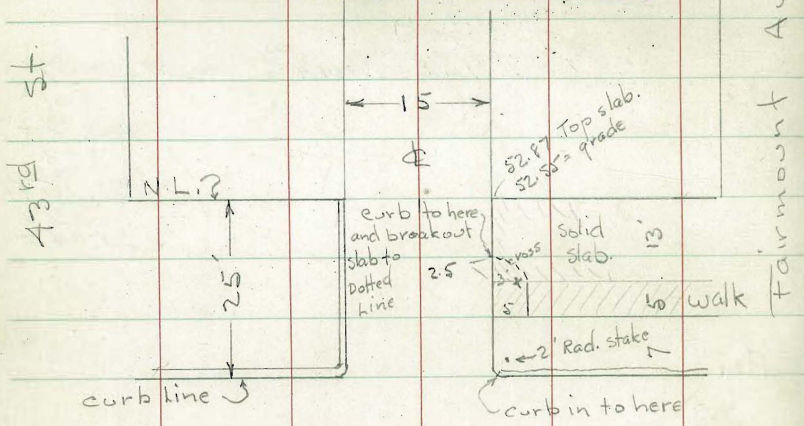
Station	chk	91.2A			
0+48 = End	Exist	cb. P 6	3.53	87.71	87.65
0+75 = Brk			3.64	81.60	81.60
1+00 = End			14.81	76.43	76.43
1+25 = Brk					71.25

Page 6  
8 M. NE. SP. INDIA AND PALM = 99.17  
5.01 +  
104.18 π  
13.03 -  
91.15 TP  
0.09 +  
91.24 π

7-9-46

Osborne  
McCoy  
Hardin  
Waddel

LOT 19E20  
BLK. F ADD TERALTA  
OWNER J. L. LEARNER  
CONTR. JOHN NEIGHBORS  
PERMIT NO. 4797



stakes for cb. in Alley Ref. on E. Side 10

	B.M.	0.52	358.25		357.73
	Rad	El. stake	Grade		
2' Rad. stake	6.20	352.05	352.05	= end of Exist	curb.

chisel cross 3' back 6.04 52.21 352.26 F. 0.05  
13' out from Prop. on N. edge of walk

C. Moore  
 Jonathan Meyer  
 H.M.  
 Bc99

7-24-46

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

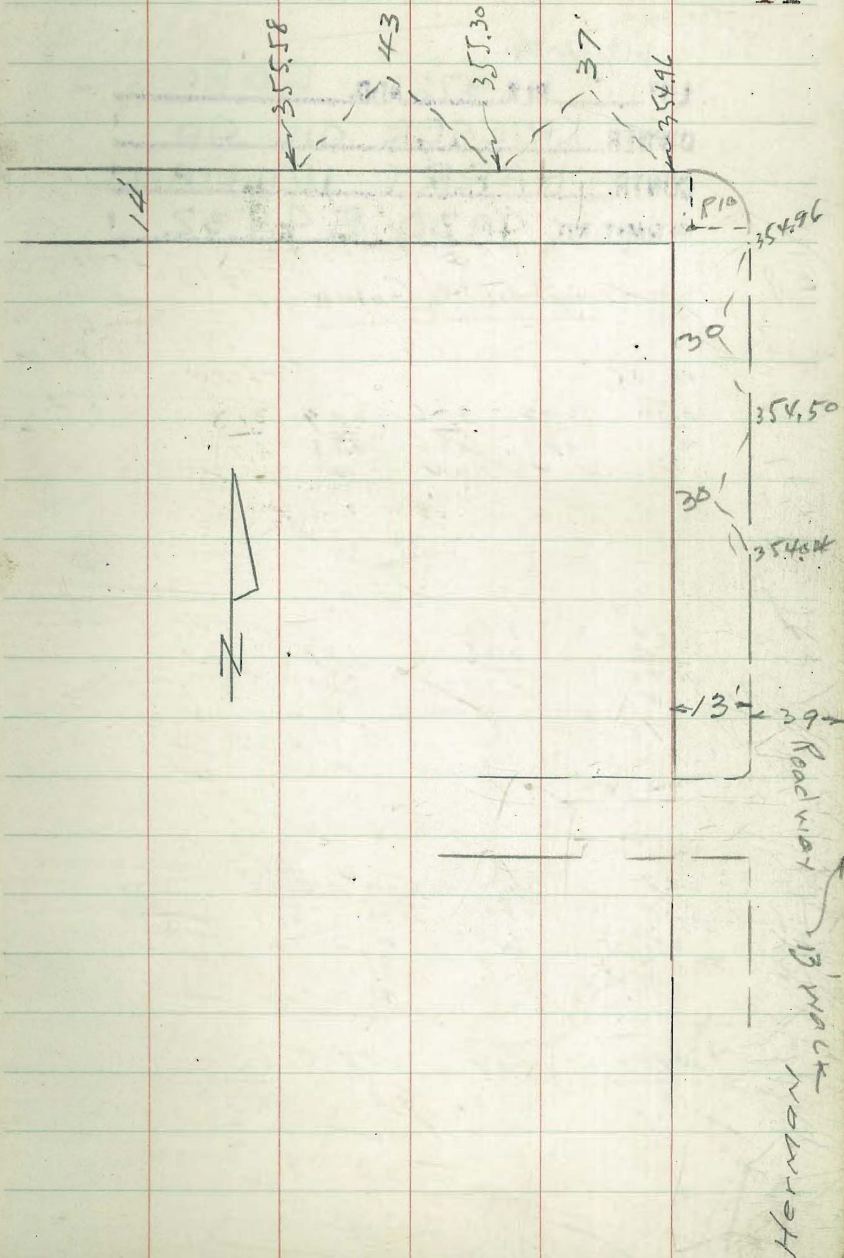
LOT 1-4 BLK. 3 ADDR. HARTLY No. PK.  
 OWNER CHRIS STASSIS  
 CONTR. L.C. ANDERSON  
 PERMIT NO. 4941

NW 89 Univ. of Iowa → 356.50  
 318  
 359.63

354.96  
 5.67 ✓  
 355.30  
 4.33 ✓  
 355.58  
 4.05 ✓  
 4.02 ✓ Set Rod

354.50  
 5.13 ✓  
 354.24  
 5.59 ✓

Univ. Ave.



Moore  
Sant. Meyer  
W.H.A.  
Begg  
7-24-46  
1-12-24-29  
11/17/46

LOT BLK. 376 ADD. E.O. ROGERS  
OWNER KRIEGER OIL CO  
CONTR. HARRY WILLIAMS  
PERMIT NO. 4930 E 4932

Congress & Gaines 0+10 Stake  
3.13  
4.87  
8.00 X

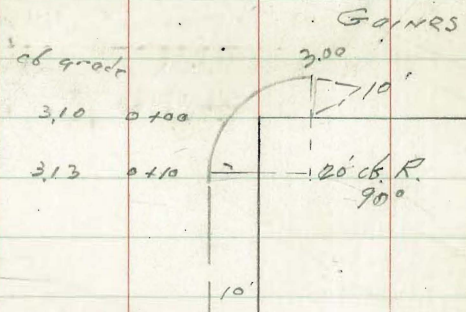
cb B.C.		cb E.C.		
3.00	3.03	3.06	3.09	3.13
4.72	4.89	4.86	4.83	4.79
✓	✓	✓	✓	✓

P.V.C.		B.V.C.	
7.92	8.72	3.47	3.60
3.22	3.35	5.25	5.12
4.70	5.37	✓	✓
✓	✓	4.53	4.29
4.78	4.65	✓	✓

B.C.		B.C.	
3.67	3.82	4.02	4.25
5.05	4.90	4.70	4.47
✓	✓	✓	✓
4.33	4.18	3.98	3.75
✓	✓	✓	✓

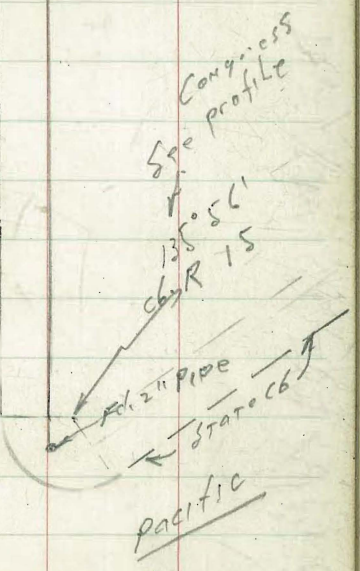
B.C.		B.C.	
4.41	4.49	4.57	4.65
4.31	4.23	4.15	4.07
✓	✓	✓	✓

BMBP W of Pacific  
800' S of Reservoir  
Congress  
4.31  
5.23  
10.14  
4.54  
5.60  
5.23  
10.83  
5.31  
5.52  
3.20  
8.72 X  
5.39  
3.24  
4.59  
7.92 - X



Restake  
8-9-46

cb grades	
3.60	2+00
3.67	+20
3.82	+40
4.02	+60
4.25	2+78



State Return  
over 1 ft in ST.  
Restaked



E. Moore  
Sommerville  
No. 101  
E. 8.

7-23-46 W.O. # 210

LOI 10-12 BLK. 210 ADD. MIDDLE TOWN

OWNER J. HARVEY CHAMBERS

CONTR. BRYAN & LARSON

PERMIT NO. 4947

B.M.

1.53

5.55

7.08 A

Grade stakes on Kurtz

0+00 = Sly Bandini

0+06 = cb. BC

1.67

5.41

5.28

0.13

cb. 13 High

0+50

2.92

4.16 ✓

1+00

4.33

2.75 ✓

1+50

5.75 ✓

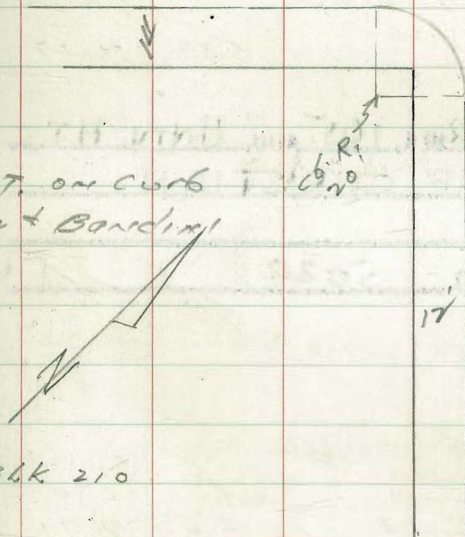
1.33

Stakes set 2' back of curb

Bandini St.

14

SW 7' CT. on curb  
Kurtz + Bandini



BLK 210

Stakes on Bandini

0+00 = Wly Kurtz

0+08 cb EC

1.50

5.58

5.00

0.02

O.K.

on curb

0+54

1.63

5.45 ✓

1+00

1.77

5.31 ✓



547 366.58

361.03 to 30th

Polk

Ave.

chk. cb Pot. E.C.

5.33 381.17

LOT 27 & 28 BLK. 165 ADJ. UNIV. HTS

OWNER NE CHRISTIAN

CONTR.

PERMIT NO. 5029

~~6.73 367.21~~

~~361.03~~

Above BM  
Elev. cb.  
Grade  
Fl. cb.

Station

603 367.53

0+00 = N. Lincoln

367.53

361.50

Elev. cb.  
→ Used this for B.M. to fit existing curb.

6+50 Chk Exist cb

5.73 361.80

361.77

+50 = Reg. Permit

5.82 361.71

361.66

-0.06

+75

5.60 361.93

361.91  
361.75

+0.02

1+00 = End Permit

5.53 362.00

362.04  
361.83

-0.04

1+00 Chk Exist cb.

5.52

362.01

1+00

30th

+14'

0+50

0+00

chk cb. 6+00 S.W. Polk

3.96 363.57

Change Grade to fit existing curb.

LINCOLN

Ave

So. Side of Kurtz - Courts to Bardin  
 LOT BLK. 22 / ADD. MIDDLE TOWN  
 OWNER Arbud Inv. Co.  
 CONTR. Griffith Co.  
 PERMIT NO. 5026

C. Moore  
 Sommer Meyer  
 W F I T  
 8099.

8-6-46

Grades raked

3' back of curb line



8-21-46

7.0.

LOT 3/14 BLK. 14 ADD. FORTUNA PARK  
OWNER HENRY BARLOW  
CONTR. R. LEE  
PERMIT NO. 5049

B.M.

stakes 3' Back of cb

Grade

46.78

edge of pave  
opp.

N.L. Lot 13

40.25  
6.53

39.70

S.L. Lot 14

39.54  
7.24

39.01

B.M.

3.77

49.88

46.11

ct. on E Inq. to  
S. + N.L. P.B.D.R.

2.19

46.78

5.29

44.59

6.13

49.94

2.97

43.81

check.

3.82

46.12

ct.

30.50

Fortuna

# 18

Fd. Hub.

0+00

7'

9.50

Curb  
Line

299.90

599.81  
tie pt. meas.  
T.P. 20 - P. 37

St.

Ingraham

lots

13 + 14

49.99

7'

Roosevelt

ct.

30.50

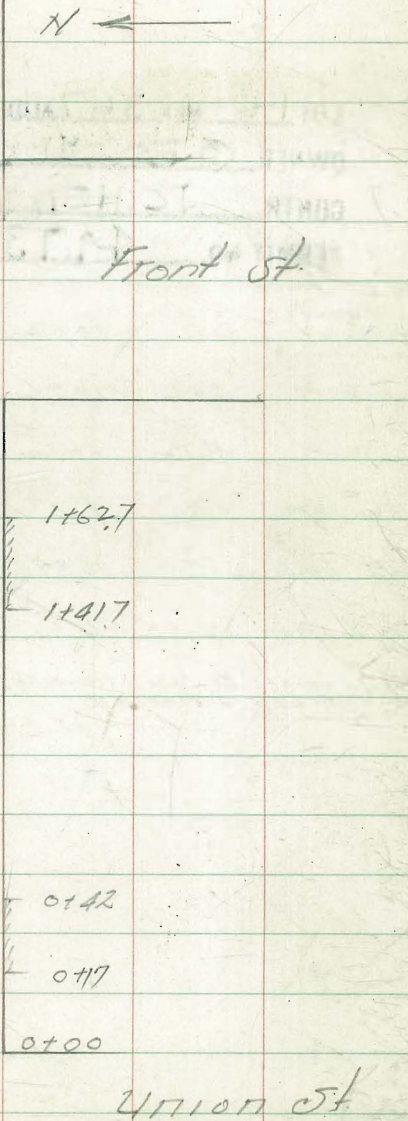
#

Walker  
Hendricks  
Becker  
8-28-46

LOVELL BLK. 26 ADD. NEW S.D.  
OWNER PAUL AXTON  
CONTR. L. ANDERSON  
PERMIT NO. 4971

		Rods	16.43	BM 548 P Front + G-st.
			Exist cb	Est. Grd.
4.96	21.39			
0+00 = E. L. Union Const.	5.49	15.9°	16.00	
+17 = Beg. New cb.	5.45	15.94	16.04	
+42 = End " "	5.39	16.00	16.10	
1+41.7 = Beg. New cb.	5.06	16.33	16.35	
+62.7 = End " "	5.04	16.35	16.39	
2+00 = W. L. State St	4.97	16.42	16.50	

Note: <sup>Exist.</sup> at cb checked within a few  
hundredths. Job staked to match  
same



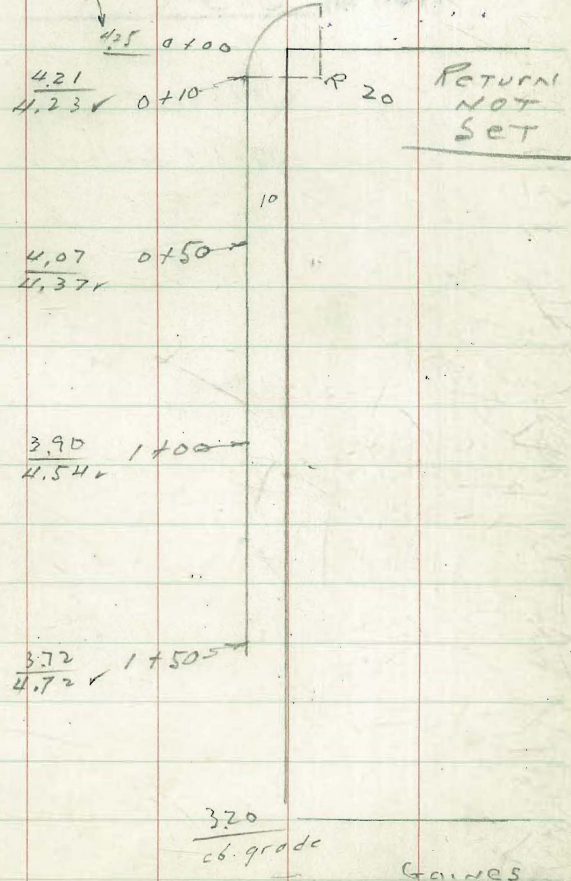
C. Moore  
SANTAMON MEXICO  
N. Moore  
8099  
9-11-46

stakes set to curb grade  
and 2' back curb face

LOT 16 BLK. 367 ADD. EO ROGERS  
OWNER GEO. W. CARTER  
CONTR. JC HENSLEY  
PERMIT NO. 4973

BM. B.P.W. cb. on Pacific 800 S of Passerans	5.71	10.02		4.31	
T.P.	5.16	10.76	4.42	5.60	
T.P.	4.72	10.60	4.88	5.88	
T.P. set BM.	3.97	8.74	6.35	4.25	mainly B.P. in Curb Pacific Congress
T.P. Spike	5.22	8.49	4.95	3.27	& Congress 10.7' Gaines
T.P. & spike	2.52	6.91	4.10	4.39	Congress and Riley
check to chisel II on island cb. Riley & Pacific		1.42	5.49	<u>5.47</u> 5.02	

4.39 spike  
Congress & Riley  
4.05  
8.44 = H.H. cb. grade



Congress

LOT 41-43 BLK. 17 ADD. Lincoln Park  
OWNER Jessie Giles  
CONTR. Elo. Benny  
PERMIT NO. 53

*Indepd of you*

1 State Rated for grade  
offset 2' South of Face of Curb

Sept 11-46  
Sisson  
McCoy  
Haddel  
H/60

26th St.

BLK 17

41 42 43 44 45 46 47 48

560

54.40

25th St.

21

59.00

59.00

Started  
Not on side

Commercial St.

EXIST 1928 CURB  
BLOCK A





CS 9-17-46  
CS  
WEAD  
C.B.

LOT 7-12 BLK. 208 ADD. MIDDLETOWN  
OWNER. SIMON LEVI CO  
CONTR. GRIFFITH CO  
PERMIT NO. 24

*2 used gpa*  
grades Rated

Line O.K.

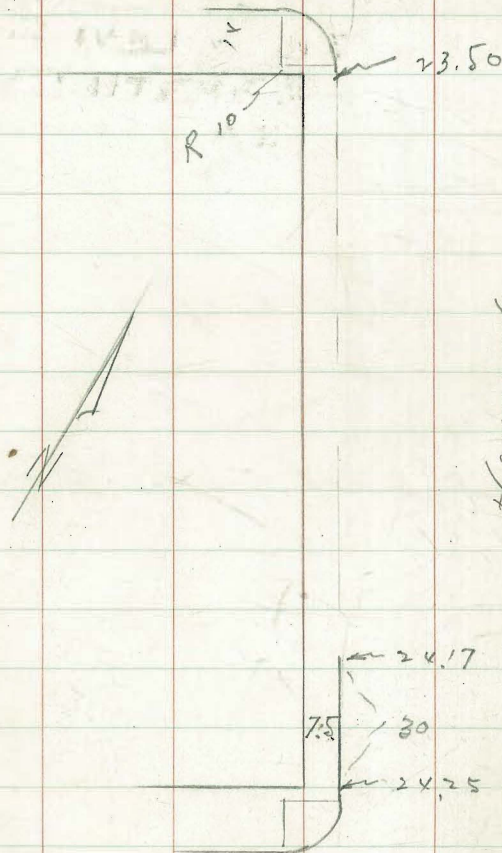
BM. 5.58 28.94 23.36

SL WRIGHT 5.44 23.50

30' N. of ESTUDILLO 4.70 24.24

N. ESTUDILLO 4.65 24.29

WRIGHT



Estudillo

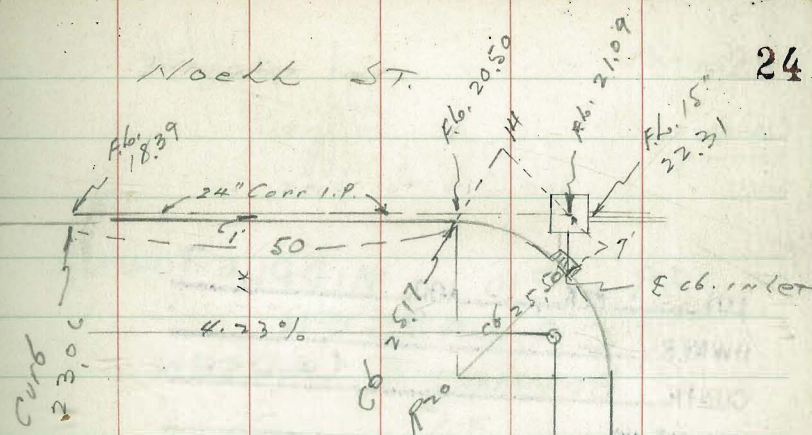
Storm drain grades  
 at Wly Cor. of  
 Hancock & Noack  
 for Canada Dry Co.  
 Troopre Const. Co.

CONTR.

C. Moore  
 Surveyor  
 W. EXT  
 E.B.

9-16-46

curb grades p.v.v



22.31  
 21.09  
 1.22 = drop in clearcut

Hancock

9-26-46

Apr 11/8/46

25

Osborne  
Hardin  
Worrell

See P. 14 for lots 10 to 12

LOT 89 BLK. 210 ADD. MIDDLETOWN

OWNER. CA LARSEN

CONTR. BRYANIS & LARSEN

PERMIT NO. 35

10.76 12.29

1.53

B.M. SW. 7<sup>th</sup>  
Kurtz + Bandini

P14

0+00 = N.L. Wright

10.00

Stakes 2' Back  
of cb. face

0+50

8.58  
3.71

set

0+90

7.45  
4.84

set

To miss Drive

1+20

6.60  
5.69

set

1+50 = stake in

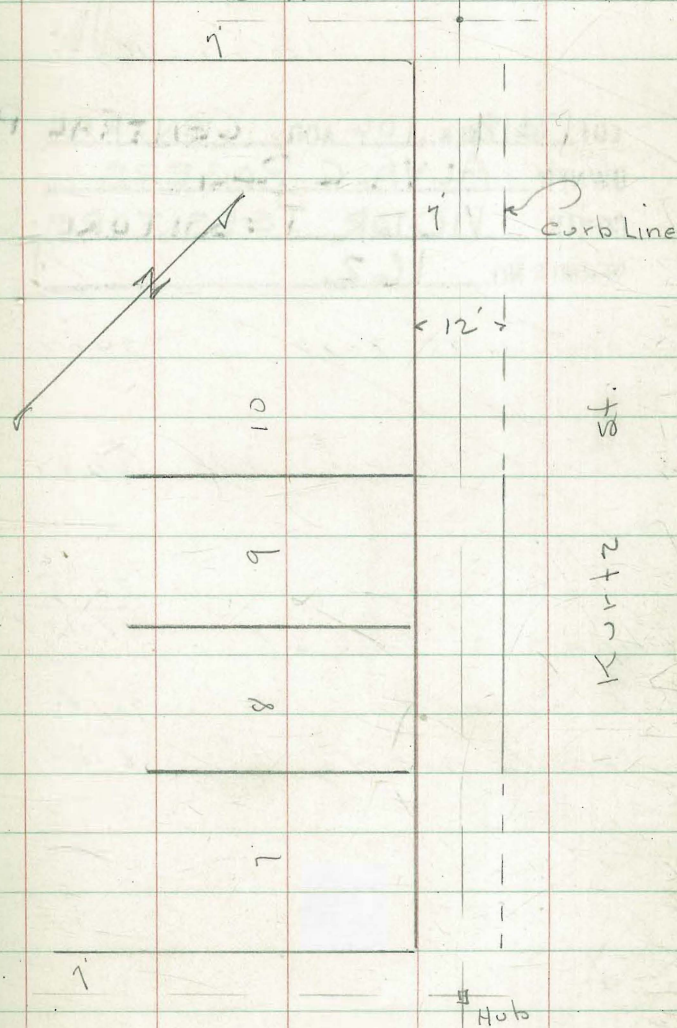
5.75  
6.54

check

See P. 14

Used Pencil Grade on Profile

Bandini st ct.



Wright st.

C. Moore  
Somerville  
W. Moore  
1399

10-3-46

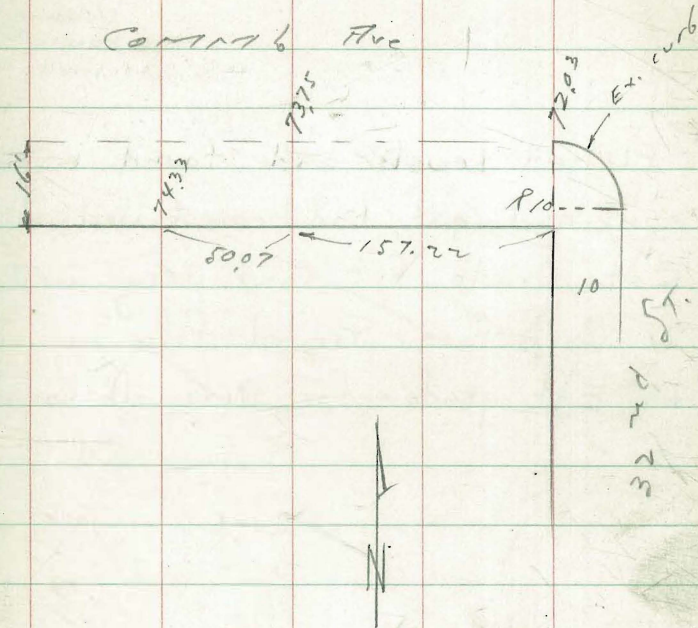
10-3-46

LOT 17418 BLK. 106 ADD. CENTRAL PARK  
OWNER ALVA C ROGERS  
CONTR. VICTOR TESSITORE  
PERMIT NO. 162

HWBP 6.85 80.87 74.07

curb  
Sw Cor. 32' of Central 8.84 72.03

Stakes 3' back of  
cb face + 73.75  
Set to grade 7.12 ✓  
74.33  
6.54 ✓



Levels on W. cb. + Gutter of Pac Hwy,  
From N.L. Quince to N.L. Thorn St.

10-9-46

Osborne Hendrick  
Hardin Beck  
Wirrell Greer

Plotted Levels and found curb had  
sunk and gut had been filled in.

Est. Grade fit Cond. very well - giving Redwood  
6" Curb face. Painted fills on curb  
to Est. grade - for Sidewalk Const.

70

spruce

27

W.L. →

Pacific Hwy

Quince

EC

LOT ~~889~~ BLK. 117 ADD. UNIV HTS  
OWNER. H L LEWIS JR  
CONTR. L ANDERSON  
PERMIT NO. 229

*See Page 47*

Station	+	H.I.	-	Elev
0	3.25	15.49		12.23
0+00 = N.L. Quince				
Gr.			5.79	9.69
top cb.			5.35	10.13
edge of walk			5.15	10.33
0+23.7 = B.C. Dr.				
Gr.			5.97	9.51
cb.			5.45	10.03
w.			5.31	10.17
0+90 = E.C. Dr.				
Gr.			6.24	9.24
cb.			5.77	9.71
w.			5.62	9.86
1+00				
Gr.			6.28	9.20
cb.			5.83	9.65
w.			5.66	9.82
1+50				
Gr.			6.41	9.07

BM  
B.P.E. inside  
cb. Adm. Bld.  
hind. field.

Sta	+	H.I.	-	Elev
		15.48		
cb.			6.07	9.41
w.			6.01	9.47
T.P.	3.65	13.06	6.07	9.41
2+00				
Gr.			4.25	8.81
cb.			3.93	9.13
w.			3.74	9.32
2+50				
Gr.			4.38	8.68
cb.			4.05	9.01
w.			3.99	9.07
3+00 = S.L. Redwood				
Gr.			4.74	8.32
cb.			4.38	8.68
w.			4.31	8.75
3+20 = end of walk-in				
3+50				
Gr.			4.93	8.13
cb.			4.65	8.41
3+80 = N.L.				
Gr.			4.92	8.14
cb.			4.51	8.55
				870 80.15

Fills

29

Station	H.I.	Elev.	Est. Grade
4E	13.06		
4+00			
G	5.02	8.04	
cb	4.56	8.50	8.64 FO.14
4+50			
G	5.13	7.93	
cb	4.79	8.27	8.49 FO.22
5-			
G	5.19	7.87	
cb	4.92	8.14	8.34 FO.20
+50			
G	5.32	7.74	
cb	5.11	7.95	8.19 FO.24
6-			
G	5.36	7.70	
cb	5.17	7.89	8.04 FO.15
+50 = Top grate			
G	5.92	7.14	
cb	5.33	7.73	7.89 FO.16

Station	H.I.	Elev.	Est. Grade
13.06			30
6+80			
So. Line Spruce			
G. = Near tracks	5.35	7.71	
7-			
G	5.71	7.35	
cb	5.41	7.65	7.80 FO.15
+50			
G	5.99	7.07	
cb	5.44	7.62	7.80 FO.18
T.P.	5.34	12.97	5.43 7.63
7+60			No. Line Spruce
G	5.98	6.99	
cb	5.27	7.70	7.80 FO.10
8+00			
G	5.71	7.26	
cb	5.14	7.83	7.92 FO.09
+50			
G	5.48	7.49	
cb	5.03	7.94	8.07 FO.13



Station	+	H.I.	-	Elev.	Est Grade
		1297			
9+00					
G		5.31		7.66	
cb		4.82		8.15	8.22 FO.07
+50					
G		5.17		7.80	
cb		4.70		8.27	8.37 FO.10
10+00					
G		5.05		7.92	
cb		4.65		8.32	8.52 FO.20
+60					
So L Sassafras					
G		4.84		8.13	
cb		4.50		8.47	8.70 FO.23
11+00					
G		4.90		8.07	
cb		4.51		8.46	8.65 FO.19
+40					
No L Sassafras					
G		4.89		8.08	
cb		4.46		8.51	8.60 FO.09

Station	+	H.I.	-	Elev.	Est Grade
		1297			
12+00					
G		5.04		7.93	
cb		4.60		8.37	8.44 FO.07
7.P.		4.48		12.63	4.82 8.15
12+50					
G		4.91		7.72	
cb		4.50		8.13	8.30 FO.17
13+00					
G		5.06		7.57	
cb		4.60		8.03	8.17 FO.14
+50					
G		5.17		7.46	
cb		4.76		7.87	8.03 FO.16
14+00					
G		5.32		7.31	
cb		4.95		7.68	7.90 FO.22
140					
So L Thorne					
G		5.34		7.29	
cb		4.95		7.68	7.80 FO.12

Station	+	H1	-	Elev
		1263		
15+00				
G			5.59	7.04
cb			5.01	7.62 7.80
15+12.5	Beg Asphalt Paving			
15+20	No. L. Thorne			
G			5.72	6.91
cb			4.95	7.68 7.80
TP	4.25	12.72	4.16	8.47
TP	5.37	13.34	4.75	7.97
TP	6.22	16.00	3.56	9.78
B.M.			3.79	12.21 12.23
				12.21
				-0.2

walk in

B.P.E. Inside Curb Adm Bldg. Lindberg Field



Jan 11/8/46

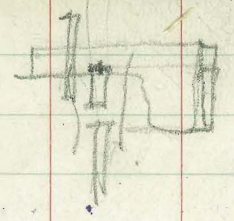
LOT 12 BLK 41 ADD. ROSEVILLE  
 OWNER J. F. ARAIZA  
 CONTR. " "  
 PERMIT NO. 172

Cont. from P-33

Station	2542	El. cb.	Cuts	offsets		
13.31 1+6350-8ft POC ②	5.36	20.06	18.70	+ 1.36	3' RT.	Re-staked page 68
13.29 +7679-POC ②	5.29	20.13	18.60	+ 1.53	-	
7.17 1+8396 " ③	5.36	20.06	18.52	+ 1.54	-	
7.17 +9113 " ②	5.72	19.70	18.40	+ 1.30	-	
13.31 2+0442 " ①	6.24	19.18	18.22	+ 0.96	-	
13.31 +1773=EO	6.71	18.71	18.00	+ 0.71	-	
+4273=End	7.63	17.79	17.45	+ 0.34	-	

check Above Construction See P-42

(check curb grades) - by Moore  
 P. 62



Walker  
Hendricks  
Becker  
Grier  
10-11-46

Curb Stokes - Trojan Ave  
& 53rd Street  
Plan # 6705-L

INDEXED

35

Restake see p-51

Station	$\pi$ 339.24	Elev. Top cb.	Cuts & Fill
0+00	2.94	329.30 328.95	C 0.35
+15.34-Brk	2.51	329.73 329.26	C 0.47
+50	8.71	330.53 330.00	C 0.53
1+00	7.83	331.41 331.07	C 0.34
+50	6.64	332.60 332.15	C 0.45
1+93.06=BC-2046'6R	6.43	332.81 333.08	F-0.27
BC +13.38=Brk @	5.82	333.42 333.40	C 0.02
" +26.76=Brk @	4.80	334.44 333.90	C 0.54
" 133.58=EC " " on 53rd	4.38	334.86 334.20	C <del>0.56</del> <sup>0.66</sup>
BC. of 1947'6 R " "	3.84	335.40 334.60	C 0.80
& sb Ret	4.79	334.45 334.38	C 0.07
2+63.25=EC. on Trojan	4.60	334.64 334.58	C 0.06 0.04 H

B.M. C.T. W. L. Trojan + 546 = 351.67

2.71 +  
354.38  $\pi$   
12.66 -  
TP 341.72  
1.93 +  
343.65  
- 5.77  
= 337.88  
1.36 +

This has been moved  
Trojan + 53rd  
N. Good Top Fire Hyd

339.24  $\pi$   
0.53 -

338.71 TP

13.28 +

351.99  $\pi$

0.31 -

351.68 TP

12.95 +

364.63  $\pi$

0.85 +

363.78 TP

12.66 +

376.44  $\pi$

0.52 -

375.92 TP

12.71 +

388.63  $\pi$

1.00 -

387.63 TP

13.10 +

400.73  $\pi$

6.89

393.84

393.88

0.04

chk. B.M. SE. BP

El Cajon + 53rd  
Plan 6705-L

Trojan Ave Cb. Grades  
Cont. from P. 35

Stations	$\pi$ 339.24	Elev. Top cb.
3+00	3.87	335.37
+50	2.68	336.54
4+00	1.57	337.67
+35.35 = Bk	0.79	338.45
+55.35 = End	0.15	339.09

4+55.35 chk end Exist Walk 0.27 338.97

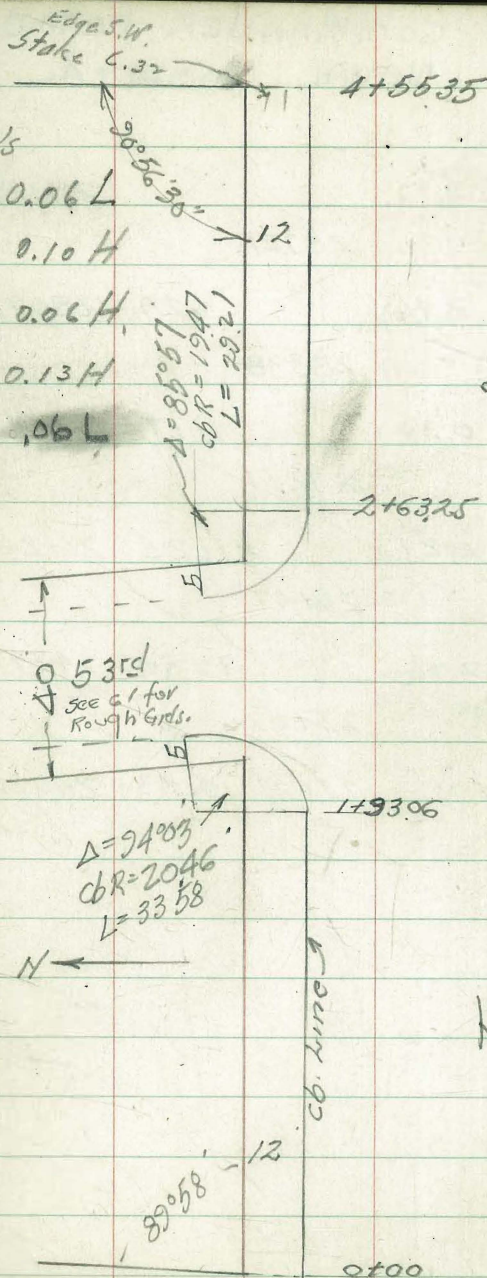
Walker  
Headricks  
Becker  
Johnson  
3-11-47

Restake From 53rd to 4+55.35

BC. Ret. 1947 cb R	2.32	341.29	338.97
L. Ret. EC. Rd	5.87	335.42	334.60
2+63.25	6.82	334.47	334.38
+50	6.61	334.68	334.58
3+00	5		
+50	5.92	335.37	335.37
4+00	4.70	336.59	336.44
+35.35 = Bk	3.59	337.70	337.52
+55.35 = End	2.79	338.50	338.28
	2.41	338.88	338.92

Cuts = Fills

0.00	0.06	L
0.12	0.10	H
C-0.10		
C-0.15	0.06	H
0.17	0.13	H
C-0.07		
E-0.17	0.06	L



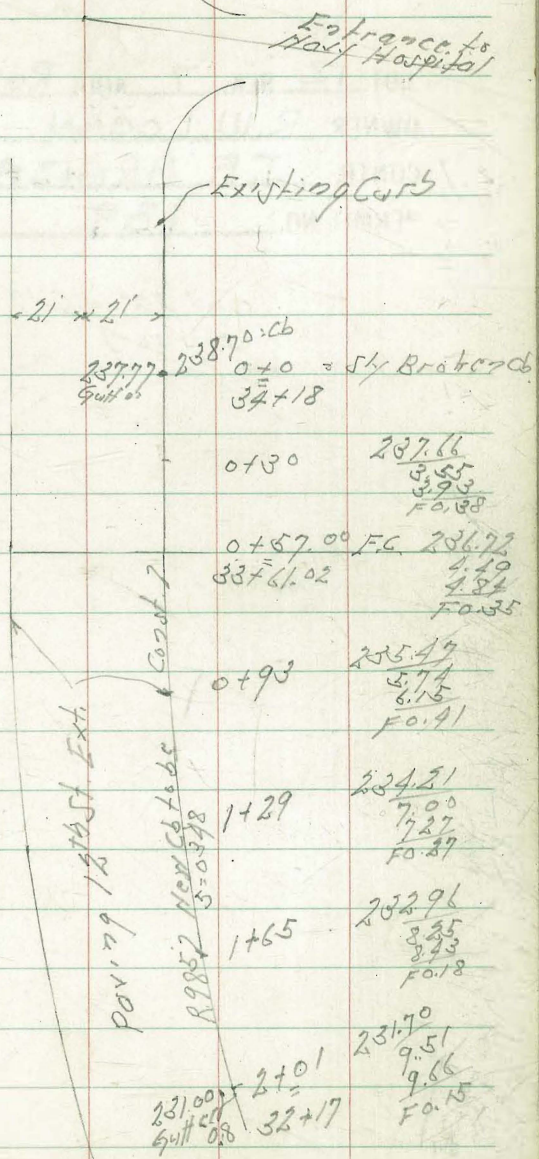
EKT. 490 COMMANDER FARMER  
M 6951 NAVAL HOSPITAL

BM.	3.93		283.28	NW B.P. Park Blvd. + Laurel
		287.21		
TP.	2.46	6.29	280.92	
		283.38		
TP	0.30	11.17	272.21	
		272.51		
TP	0.21	11.25	261.26	
		261.47		
TP	2.06	12.50	248.97	
		251.03		
BM.	0.71	241.21	10.53	240.50 X SE Corb Naval Hosp. Entrance

Oct 18-46  
Sisson  
McCoy  
Waddel  
Riley  
#1516-7

W.O. 19-8

37



*John* 11/8/46

LOT 12 BLK. 7 ADD. ROSEVILLE  
OWNER R.W. LOGAN  
CONTR. J.F. ARAIZA  
PERMIT NO. 189

/ Oct 25-46  
5,000  
5-11-47 by 67 Con. 0.01 ft.



*Jpn* 1/6/46

1011642 BLK 185 ADD. MIDDLETOWN  
OWNER DUFFIELD INC  
CONTR. TREPTE CONST CO.  
PERMIT NO. 187

BM 379 31.01 2722 02 Moore  
FC  
Page 22

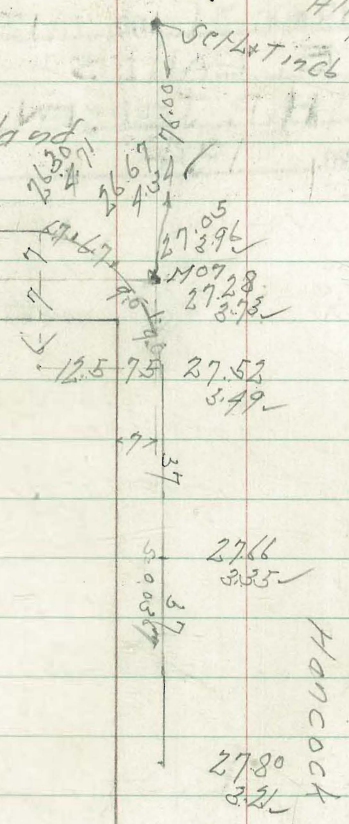
7 stakes off set @ back of Face Curve

W.O. 210

Oct. 25. 46  
510509  
270007  
Hodder  
71109

39

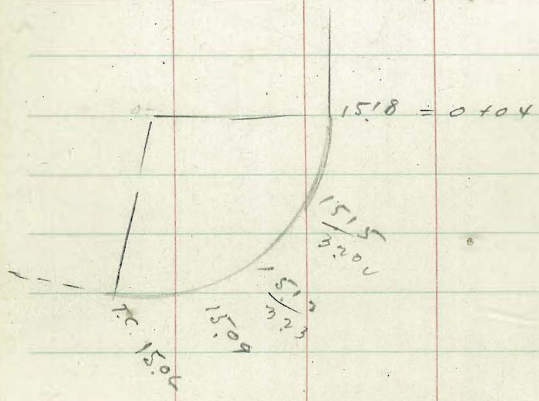
Sutherland



LOT 17-18 BLK. 31 ADD. MISSION BAY PK  
 OWNER E. LANDIS  
 CONTR. H.P. JEPSEN.  
 PERMIT NO. 194

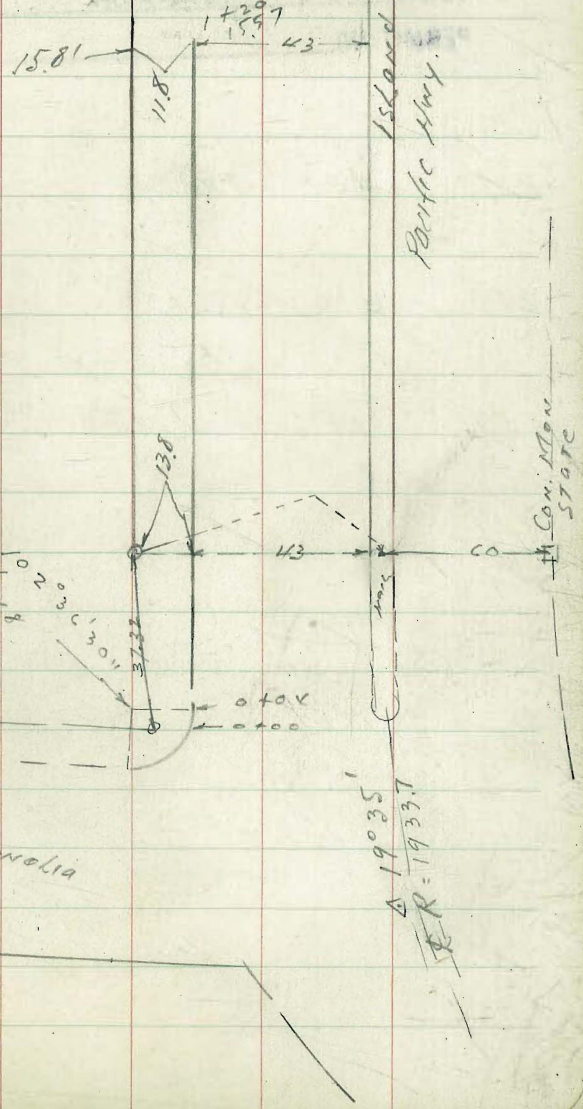
CM Moore  
 Stryer 1024-46 Prop. Line gr.  
 W.M.  
 E.B. 0404 0450 1400 1420  
 1546 1560 1575 1581  
 289 275 260 254

R.C. curb grades  
 0404 0450 1400 1420  
 1518 1534 1551 1557  
 317 301 284 ✓ 278 ✓



Gutter Gr.  
 0404 0450 1400 1420  
 1421 1437 1450 1460  
 4.14 3.98 3.81 3.75

R.M. Iron Bolt NW Cor + Pac.  
 Gas Pump Island  
 1878  
 255  
 2083  
 560  
 1523  
 312  
 1835 H.I.



*Q/m* 11/6/46

L11 14 BLK. 39 ADD Garatta  
OWNER E. W. L. G.  
CONTR. L. C. Anderson  
PERMIT NO. 190

BM 4.32 383.24 378.92 *JW BP  
El Cajon  
4.34/190*

BM 3.10 382.02 378.92

5 Stakes offset 3' Back of Face of Curb  
Not on Profile Grade

Oct. 25-46 J1.0 #210  
Sisson  
McCoy  
Hodder  
Filer

Fd+T  
378.60  
379.11

377.82  
4.20 006

376.60

377.87  
4.15

377.63  
4.39

377.24  
4.68

377.02  
5.00

376.70 4.13  
5.32

5.64 376.58  
5.60 376.00

Fd+T

380.00  
264.72

31.25

31.25

31.25

6

Felton

El Cajon 8/12

Walker  
Becker 11-12-46  
Greer

~~LOT 17-20 BLK. 278 ADD. LINCOLN PK~~  
~~OWNER: CA THOMPSON~~  
~~CONTR: R ZUNIGA~~  
~~PERMIT NO: 195~~

Curb Levels on Evergreen St  
from Dickens St. to Emerson  
in order to Compare Construction  
of Curb with Construction Notes  
as shown on Page 33, 34

	2.61	27.72		2.511	Evergreen Elev. cb	Proposed cb P-33
TP	2.86	24.02	6.56	21.16		
0-4086			4.74	19.28	19.28	
0-3377			4.50	19.52	19.38	
0-2688			4.38	19.64	19.45	
0-1968			4.37	19.65	19.48	
0-1268			4.34	19.68	19.50	
0-631			4.30	19.72	19.51	
0450			4.27	19.75	19.50	
+25			4.33	19.69	19.38	

	K 2402	Elev. Exist. cb.	Elev. Proposed Page 33	42
0+50		4.36	19.66	19.26
0+75		4.27	19.75	19.15
1+00		4.14	19.88	19.02
+25		4.04	19.93	18.91
+50 21/80		3.94	20.08	18.80
1+63.50		4.00	20.02	18.70
+76.79 - End cb		3.88	20.14	18.60
+83.96 on Form		4.07	19.95	18.52
+91.13 " "		4.31	19.71	18.40
+104.42 " "		4.78	19.24	18.22
+105.4 - 509. cb		4.84	19.18	
+117.73 - EC		5.25	18.77	18.00
+122.73 - End		6.17	17.85	17.45

This Work Also checked by Moore  
P-64

Restaked P-68

LOT 20 BLK. 5 ADD. ENCANTO HTS

OWNER MR RAB SHAW

CONTR. AL RILEY

PERMIT NO. 257

LOT BLK. ADD. OWNER CONTR. PERMIT NO. 11/6/24

4.05 226.84

222.79

B.M. End  
Exist Walk

9+61  
FB 1736-26

Station

Elev. Cb.

Cuts offsets

9+61 Beg. Exist Walk 4.05 222.79 222.59

+0.20 5' Back of Ch. Face = Christed Cross

+86<sup>35</sup> 3.78 223.06 222.88

+0.18

10+11.6 3.50 223.34 223.17

+0.17

10+37 End Exist Walk 3.28 223.56 223.48

+0.11

chk Exist Walk 10+37 3.28 223.56

Walker  
Hendricks  
Secher  
Greer  
11-6-46

63rd

Ave



+135 x 9+61  
Christed Cross

10+37

+133 x

1771/2

65th

Walker  
Becker  
Greer  
11-2-16

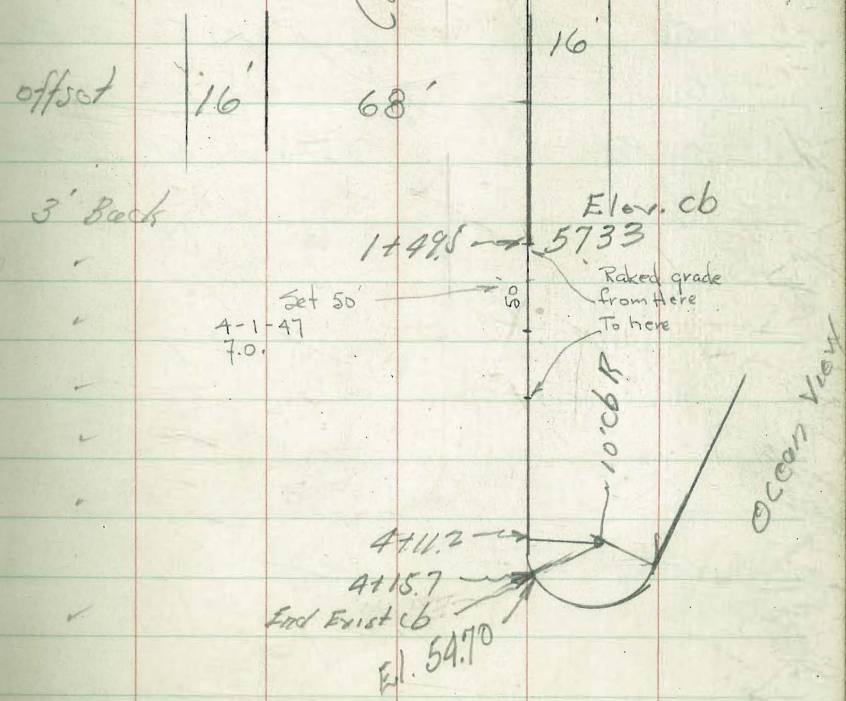
11/6/46

LOT 17-20 BLK. 278 ADD LINCOLN PARK  
OWNER CATHOMPSON  
CONTR R. ZUNIGA  
PERMIT NO. 195

	0.59	59.53		58.94	25th on cb
	6.31	61.01	4.83	54.70	
1+49.5	Exist cb	3.68	57.33		
0+00	Exist cb	2.09	58.92		
1+49.5	6.18 Rod	3.68 stake	57.33 cb		cuts
2+50	4.69	56.32	56.32	0.00	
+75	4.94	56.07	56.07	0.00	
3+00	5.19	55.82	55.82	0.00	
+25	5.44	55.57	55.57	0.00	
+50	5.69	55.32	55.32	0.00	
+75	5.93	55.08	55.08	0.00	
4+00	Left out		54.84		
+11.2	6.27	54.74	54.74	0.00	
115.7			54.70		



Commercial Ave



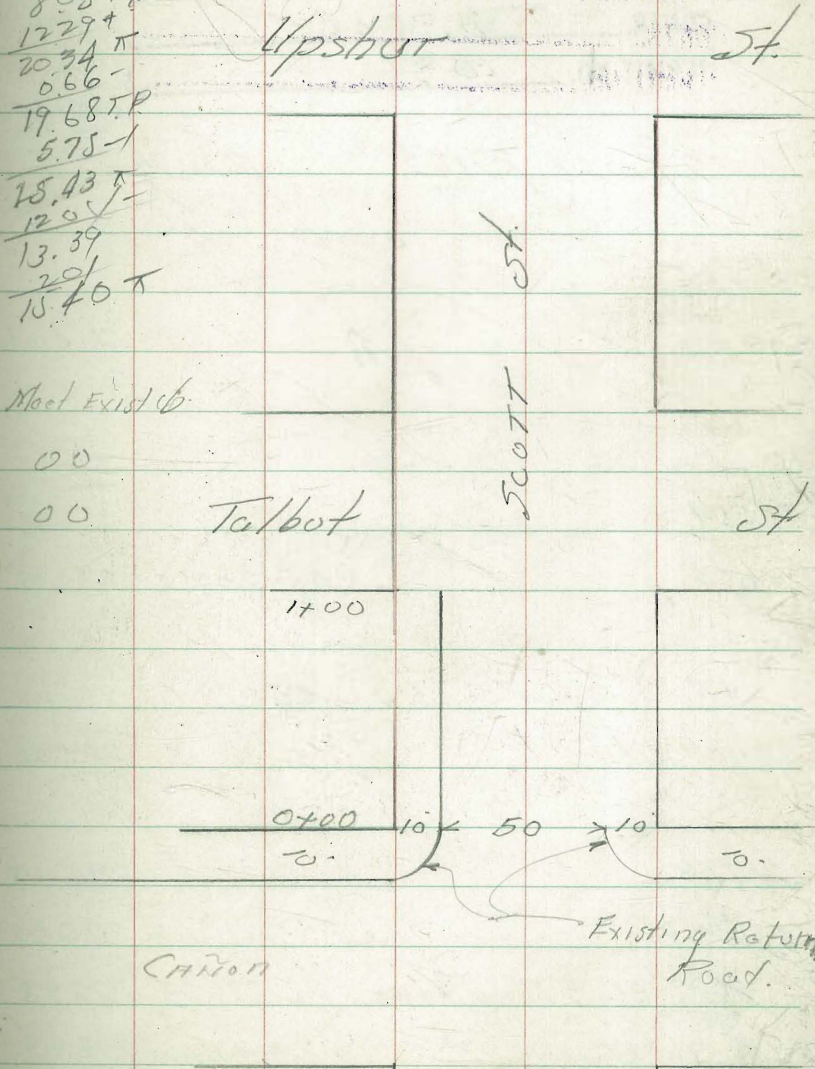
Walker  
Headricks  
Becker  
Greer

LOT 12 BLK. 7 ADD. Rossville  
11-6-46  
OWNER R.W. LOGAN  
CONTR. T.F. ARIZA  
PERMIT NO. 208

11/8/46

Station	$\pi$ 15.40	Exist	E.I. C6.
0+00	482	10.58	10.50
+50	440	11.00	11.00
1+00 - Bk	389	11.51	11.50

BM  
2.75 = 211 B.P. Rosecrans & Garrison  
6.72 +  
9.47  
142  
805 TP  
1229 +  
20.34 +  
0.66 -  
19.68 TP  
5.75 -  
28.43 +  
12.05 -  
13.39  
2.01  
15.40 +



Walker  
Hendricks  
Becker 36-37  
Green LOI 136 BLK. 136 ADJ. UNIV. HTS.  
11-13-46 OWNER J. H. DOWDY  
CONTR. TRUDELL  
PERMIT NO. 456

8" R.O. on cb  
N.W. Hous  
& Vex front

0.68 291.62 290.94

Station  
W.L. Vermont  
= 0+00

El. curb

1+554 } see B-25-Prop 48  
2+054 } 11.55 280.07 280.05

291.62

TP 2.56 281.23 12.25 278.67

3+00 = Bk 275.00

4+77.8 4.76 276.47 276.47

5+02.8 4.55 276.68 276.68

+38<sup>N</sup> - BC. 3' Alley Radius 4.25 276.98 276.98  
4.71

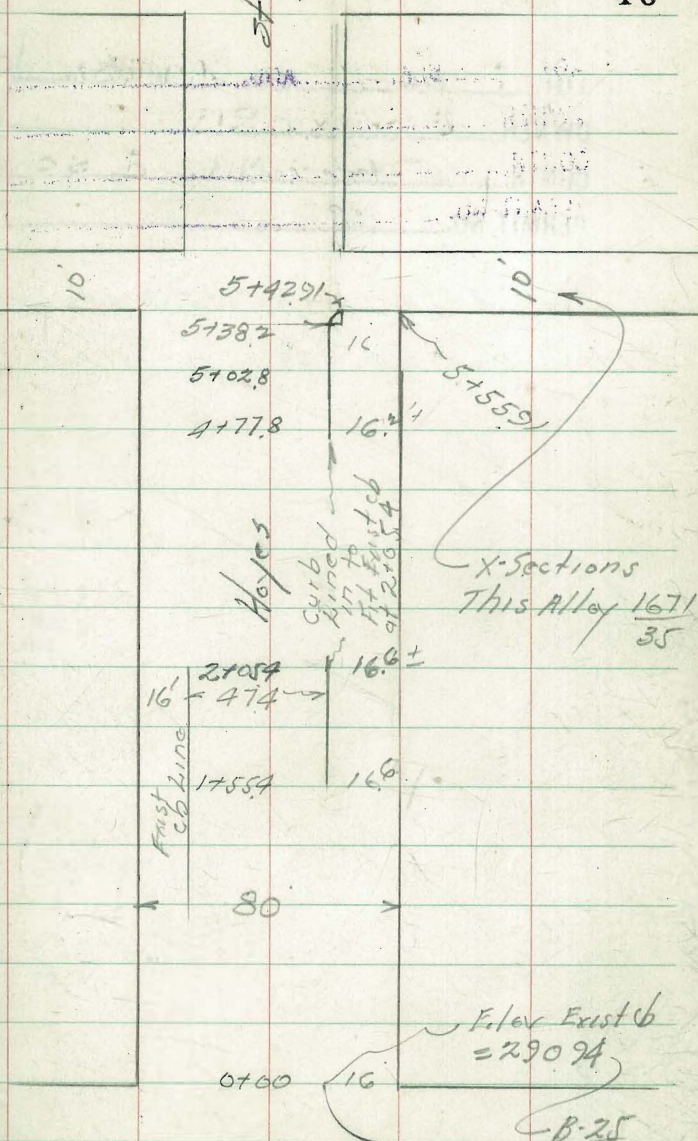
5+4291 = EC. 4.25 276.98 277.03

+5591 Prop Line at Alley 4.07 277.16 277.16

chk cb 0-20 = 35' 3.71 277.52

-005 Vermont

FB 1671-36





LOT BLK 117 ADD. Univ. Hts  
 OWNER H. L. LORR  
 CONTR. L. G. Anderson  
 PERMIT NO. 229

447

3 stakes off set 2 So. of Ch Fac

BM	508	368.18	363.10	JE BP FIC 9107 0510
040			362.92	5.26 = Fx of Ch
425			362.84	5.39
450			362.77	5.41
475			362.69	5.49
1+0			362.61	5.57 out
413			362.57	5.61 = Fx of Ch

Nov 19-46  
 Simon  
 McCox  
 Haddel  
 Hico

H.O. 210

Illinois St

362.00

FIC 9107 842

Fx of Ch  
20'

1+13

362.92

0+0

0510 St

B.M. SEBP. 213 350.58

348.45

in steps  
Orange + Estab.

Estrella Ave

48

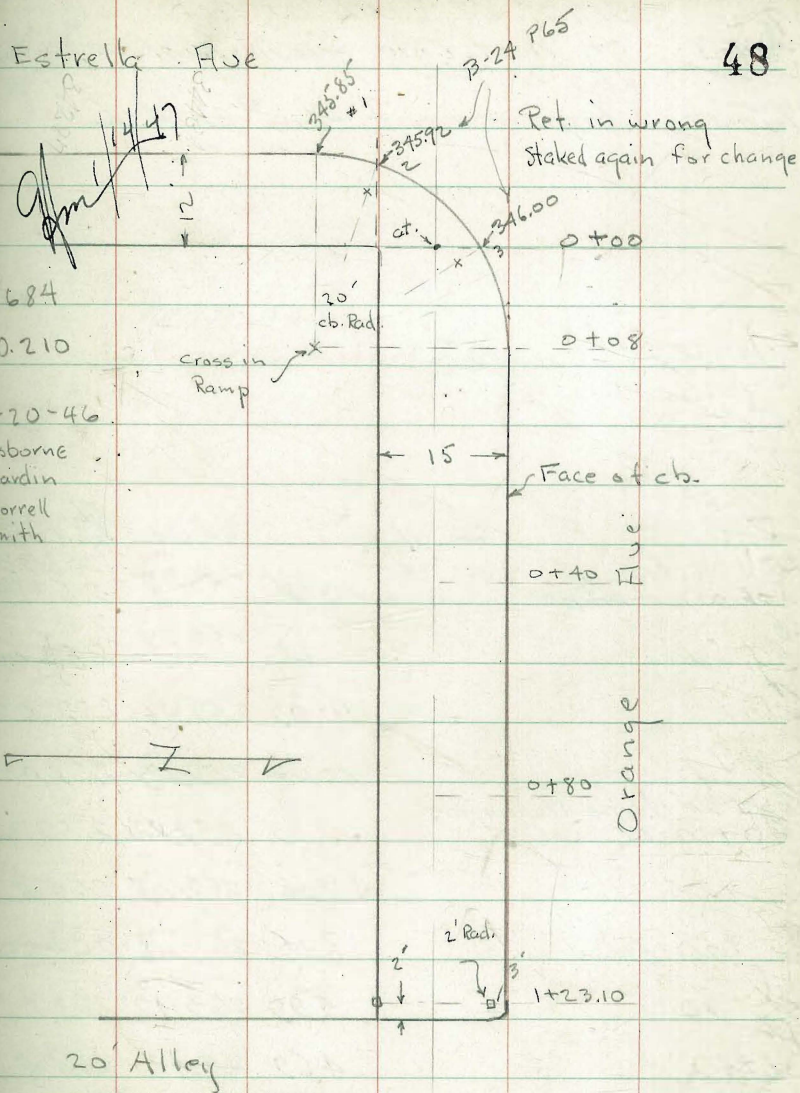
LVI 1-2 BLK. 30 A.M. Fairmount Heights  
OWNER Christain Reform Church  
CONTR. J. J. Aronow  
PERMIT NO. 559

# 684

W.D. 210

12-20-46

Osborne  
Hardin  
Worrell  
Smith



	Rod	Est. Grade	El. stake	
Return - Grades from B-24 P. 65				
# 1 = P.C.	470 458.8	345.85	45.88	Meet Here
# 2	458 46.00	45.92	46.00	C 0.08
# 3 = 0+00	455 46.09	46.00	46.03	C 0.03
0+08	4.65	45.93 4.65	45.93	
0+30	4.83	45.75 4.83	45.75	
0+60	5.08	45.50 5.08	45.50	
0+90	5.59	44.99 5.59	44.99	
1+25.10 = W.L. Alley	6.73	43.85 6.73	43.85	
S.L. Orange + W.L. Alley	6.58	44.00 6.58	44.00	

stakes 3' Back of cb. face

except on Alley - 2' back - Pole in way of 2' Rad.  
stake - set 3' back of Orange cb.

Walker  
Hendricks  
Becker  
Greer  
1-13-47

Brant St. Curb Grades  
on West side from Washington  
450' North  
Improvement Plan # 6214-L

Posted  
Apr 11-47

49

Wharf Station	Station	Top curb	El
2.3 West of Cb BC on Washington	26211	10.18	258.93
Cb BC "10' CbR	10.14	258.97	258.99
Part 1	10.09	259.02	259.02
" 2	10.02	259.09	259.09
Part 3 = N. Line Washington = 0+00 = KC 10' CbR	2.89	259.22	259.22
+25	2.06	260.05	260.41
+50 = Bk	8.05	261.06	261.60
+90	5.99	263.12	263.21
1+30	4.69	264.42	264.82
+70	3.22	265.89	266.43
2+10	2.01	267.10	268.04
2+50 = PVC	0.50	268.61	269.64

Cont. P-50

FB. 179-P-64  
= BM NW 1/4, Washington Address = 276.99

Cuts/Fills offsets.

0.00	3'
0.00	3'
0.00	3'
0.00	5'
0.00	6'
-0.36	3'
-0.54	"
-0.09	"
-0.40	"
-0.54	"
-0.94	"
-1.03	"

chk

N.E. 7 feet  
Washington & Brant

277.83  
11.66  
266.17 T.P.  
0.261  
266.43 T  
6.33  
260.80 T.P.  
2.01  
269.11 T  
0.50  
268.61 T.P.  
6.70  
275.31 T

Brant St. Curb Grades  
Cont. from P-49

W. Line Station	$\pi$	El.	Top cb.	Cuts + Fill	offsets
2+75 = Bk.	275.31	6.25 269.06	270.38	-1.32	3"
3+00 = "		5.54 269.77	270.70	-0.93	"
+25 = "		5.39 269.92	270.65	-0.73	"
3+50 = " = E.V.C.		5.54 269.77	270.18	-0.41	"
4+00		6.51 268.80	268.84	-0.04	"
4+50		7.45 267.86	267.50	+0.36	"
chk Top cb 4+00.3 on East FB179 - P-66		5.91 269.40 269.37 0.03			

Walker  
Hendricks  
Becker  
Grier  
1-13-47

(Re stake) Curb Grades -  
on North Side Trojan Ave  
and  
Intersection 53<sup>rd</sup> St.  
Sketch P-36.

51

B.M. SE Top Fire Hyd  
53<sup>rd</sup> & Trojan  
Range 35 2,323.40, 20 337.88

Station	Top cb.	El. Grade	Cuts & Fills	Offsets	R	Exist cb
0+00	10.89 329.31	328.95	+0.36	3'		
+15.34-Bk	10.48 329.72	329.26	+0.46	"		
+50	9.65 330.55	330.00	+0.55	"	10.30	329.90
1+00	8.78 331.42	331.07	+0.35	"	9.11	331.09
+50	7.59 332.61	332.15	+0.46	"	8.03	332.17
1+93.06=B.C. 2046 cb Ret	7.37 332.83	333.08	-0.25	"		
BC+13.38-Bk	6.75 333.45	333.40	+0.05	"		
" +26.76-Bk	5.75 334.45	333.90	+0.55	"		
" +33.58 = E.C. on 53 <sup>rd</sup>	5.35 334.85	334.20	+0.65	"		
B.C. of 1947 cb R NE 53 <sup>rd</sup> on 53 <sup>rd</sup>	4.80 335.40	334.60	+0.80	"		
L Ret	5.69 334.51	334.38	+0.13	"		
2+6.325 = E.C. 1947 cb Ret	5.47 334.73	334.58	+0.15	"		
3+00	4.82 335.38	335.37	+0.01	"	4.82	335.38
+50	3.60 336.60	336.44	+0.16	"	3.62	336.58
4+00	2.48 337.72	337.52	+0.20	"	2.58	337.62
+35.35	1.69 338.51	338.28	+0.23	"	1.72	338.48
+55.35	1.31 338.89	338.92	-0.03	"	1.38	338.82
	1.21 338.99	338.97	0.02	"		

Stake Curb Blk 3 in  
 Replace 12' Curb + Walk  
 at 335 W. Lewis.

BP-SE.CB  
 = BM 2.64 286.65 — 284.01 Lewis + Albatross

X-sec. Levels on S. Cb.

0+00		286.65	3.05	283.60	
1+00			3.71	282.94	
2+00			5.29	281.36	
+48	End of Curb	5.80	280.85	280.5	
2+60		Broken		280.39	
"	Paving	6.75	279.90		

$\begin{matrix} \nearrow \\ \text{Curb El.} \\ 2+48 \end{matrix}$  286.65  
 $\begin{matrix} \nearrow \\ 2+60 \end{matrix}$  280.85  
 $\begin{matrix} \nearrow \\ 280.65 \end{matrix}$   
 5.80  
 Remains as is.

taken from Profile #576

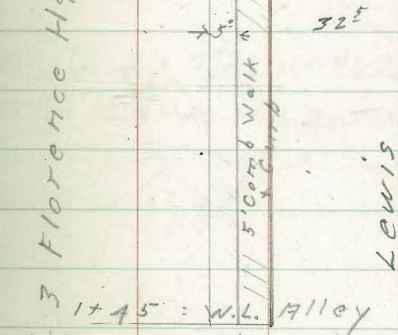
Florence Hgts Add. 1-28-47 52

Sammermejer Green

End job. 2+60 stake set 4' back of curb face.

2+48 = End Walk + curb

Block 3 Florence Hgts.



1+45 = W.L. Alley

1+30

0+00 = East line

Curb Stakes - 5<sup>th</sup> + Grape

1-30-47

7.0

# 754

W.O. 230

stakes 3' Back

B.M. 468 183.19

n.w. 5<sup>th</sup>

178.51 + Grape

E. cb. of 5<sup>th</sup>  
50' S. of S.L. Grape on

173.42  
9.77

S.L. Grape + E. cb. 5<sup>th</sup>

176.40  
6.79

E.L. 5<sup>th</sup> + S. cb. Grape = 0+00

176.50  
6.69

0+25

76.65 6.54

+50

76.80 6.39

+75

76.95 6.24

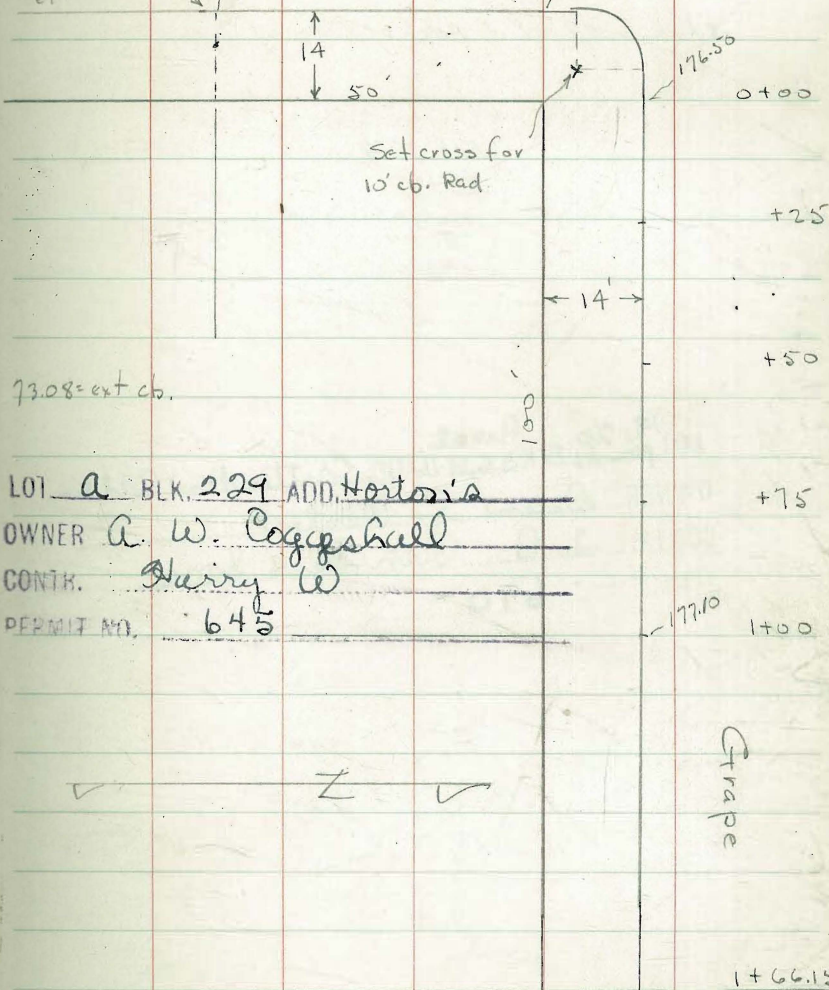
+100

77.10 6.09

Prop. to put in to  
grade to Here and  
slope down to meet  
ext. walk

5<sup>th</sup>

53



LOT a BLK. 229 ADD. HORTON'S

OWNER A. W. Coggeshall

CONTR. Harry W

PERMIT NO. 645





Curb stakes set  
on S side Lot 15

39 to 42  
98 Ocean Bay Beach

L+00 EL Abbott 2.50  
old ob. Low 4.49  
4.57  
0.10

K+50 4.12  
fst. grade 4.87

M+00 4.66  
4.33

N+75 6.60

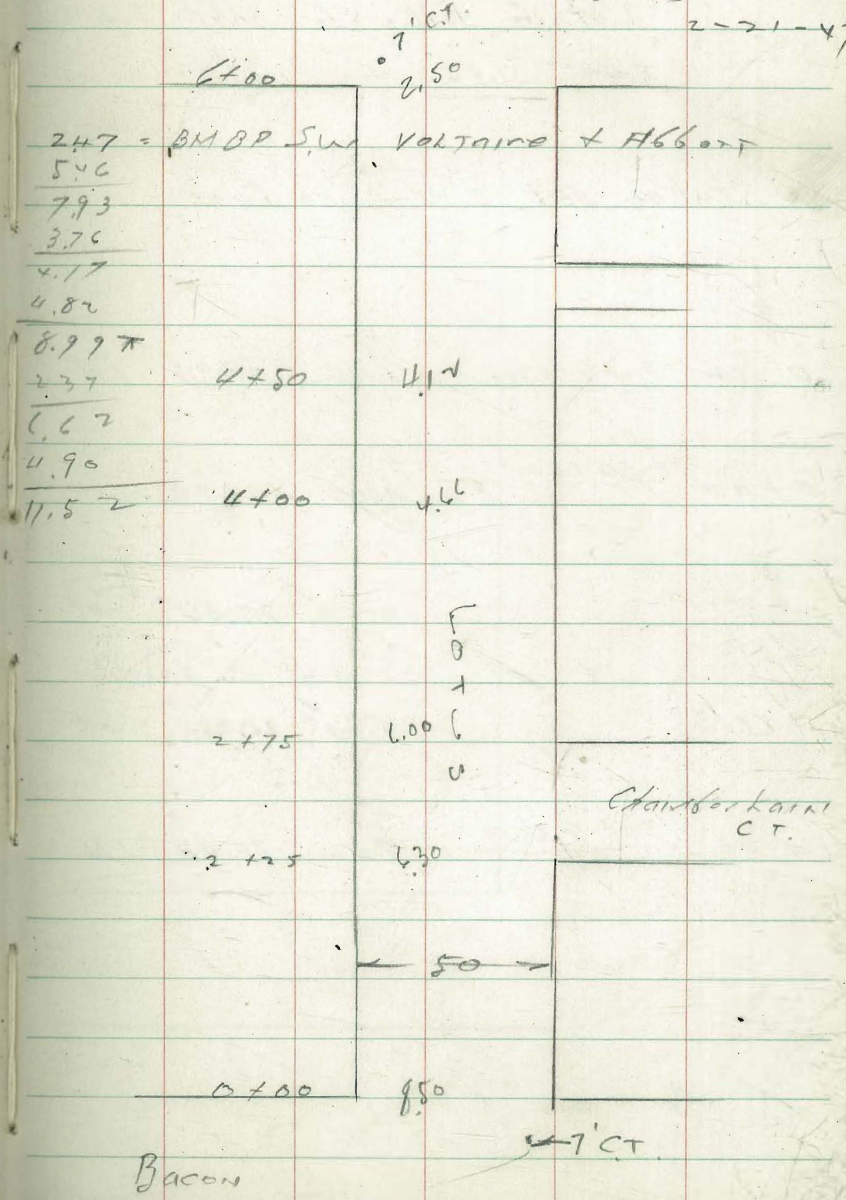
O+25 6.30

LOT 39-42 BLK. 98 ADD. Ocean Bay Beach  
OWNER Dan J. C. Smith  
CONTR. Diamond Construction Co.  
PERMIT NO. 697

Stop w/ Bacon 8.50  
3.02  
3.3  
old ob Low 10.01

Abbott St.

Moore  
Boggs  
Gardner  
Roberts  
2-21-47



Bacon

Stake Curb Front + E

Lot 6 Blk. 56 W.O. 210

S.W.A.P.  
Union + E

7.97 31.96 - 23.97

Stakes set 3' N. Curb face

0-14 Profile 28.00 4.03 27.93 1N

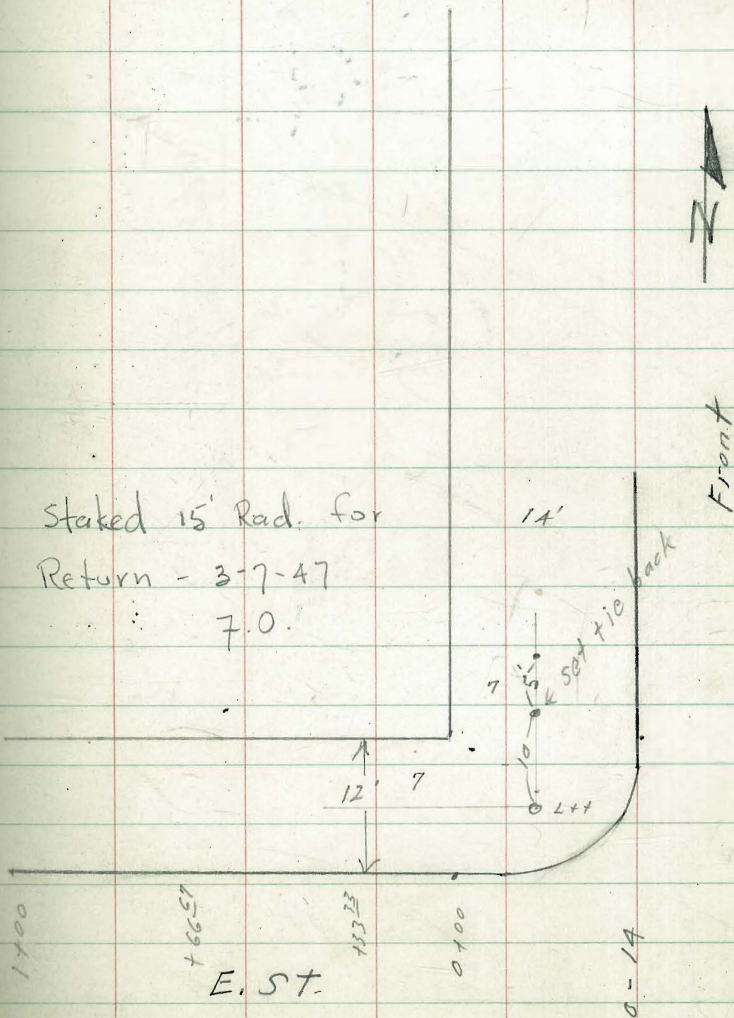
0+00 Profile 28.00 4.06 27.90 1N

+33<sup>22</sup> 4.54<sup>✓</sup> 27.42 set

+66.67 5.03<sup>✓</sup> 26.93 set

1+00 Profile 26.50 5.52 26.44 1N

Summer major 56  
W Moore  
J. Green  
3-3-47







Stake curb + walk - Lots 35 to 40 - in Block 220

Pac. Beach

4-2-47

#961

Osborne  
Hardin  
Smith  
Worrell

W.O. 210

BM. 0.79 46.39 45.60

sw. 7' ct.  
Garnet +  
Faniel

0+00 = E.L. Faniel st. <sup>Ext. cb.</sup> 435 42.05

cb. grade

Rods

+50 Spikes - 3 Back 42.36 4.03

Noted on stakes - 8' S. of S. edge of 5' walk.

1+00 42.66 3.73

+25 42.81 3.58

1+50 42.96 3.43

May use last 25' - so staked if needed

LUI 35-40 BLK. 220 ADD. Pacific Beach

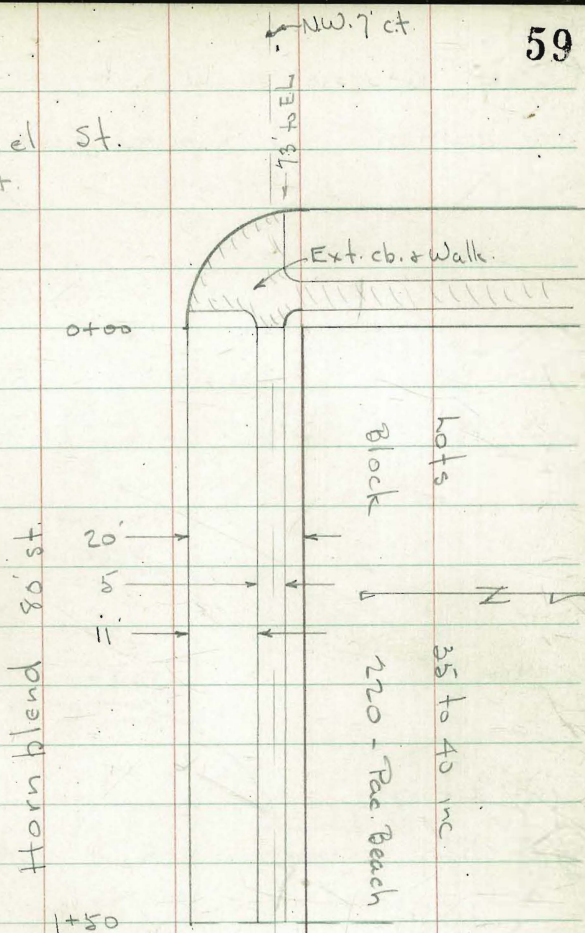
OWNER R. L. Hanniman

CONTR. Cameron Bros

PERMIT NO. 772

59

Faniel St.  
80' st.



To 7' Hub  
N.E. Gresham.

Stake Returns on W. side 37<sup>th</sup> for opening  
to Newton. 20' Radius Returns.

# 968

4-4-47

W.O. 230

70.

N.W. Return

Est. Grade .59

37<sup>th</sup> PC.

ext. cb

5.59  
41.77

41.96  
5.40

1/2

New grade

41.64  
5.72

41.73  
5.63

5.72

Newton PC.

6.86

41.50  
5.86

F 1.00

S.W. Return

37<sup>th</sup> PC. - on cb.

5.90  
41.46

41.52  
5.84

1/2

New

41.48  
5.88

41.51

5.88

Newton P.C.

7.36

41.50  
5.86

F 1.50

B.M.

0.47

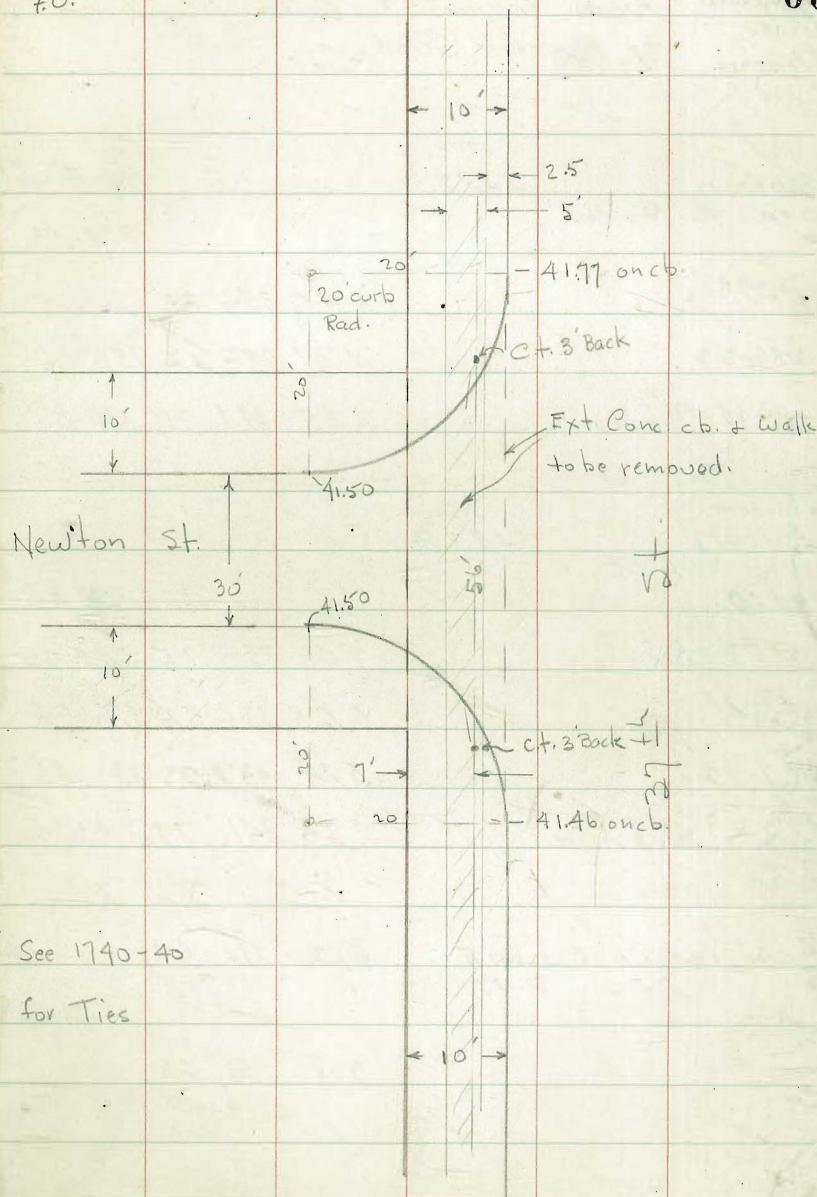
47.36

46.89

checked 4-21-47

70.

60



Walker  
Hendricks  
Becker  
Johnson  
4-9-47

Const. Grades on 53rd St.  
From Trojan To Subdivision line  
of Andrew Jackson Tract

W.L. Station	Prop Rod.	Station	Prop. Grade	Subline
0+00	56	343.23	334.55	
			<u>1.78</u>	
+29.6'		640.336.83	336.33	+0.50
+59.22		4.31 338.42	338.11	+0.31
+88.84 = Subline		2.25 341.98	339.88	+2.10

W.L. Station	Prop Rod.	Station	Prop. Grade	Subline
0+00	56	343.23	334.85	
+05 = Bk		7.08 336.15	335.05	+1.10
			<u>1.70</u>	
+33.41		6.65 336.58	336.75	-0.17
			<u>2.54</u>	
0+61.82		5.24 337.99	338.45	-0.46
0+90.23 = Subline		2.50 341.73	340.16	+1.57

chk and cb Ret on E	P-35	8.62	334.61	
			<u>334.60</u>	
			<u>0.01</u>	
		9.01	334.22	
			<u>334.20</u>	
			<u>0.02</u>	

S.M. Edge Walk  
P-36

338.97  
4.64  
343.23

61





Grades (curb) for 22' Driveway on W. Side of Euclid - 205' S. of Myrtle

BM	11.96	336.50	324.54	NE. 7' at 47 <sup>th</sup> + Myrtle
	2.51	326.36	12.65	323.85
Drive				Stakes 3' Back
1+95 = 10' N. of N.L.		3.68	22.68	4.18 = F 0.50
2+05 = N.L. 22' Dr.		4.25	22.11	4.25
2+27 = S.L. Dr.		5.52	20.84	5.52
2+37 = 10' S.		6.09	20.27	6.09
2+50 = Limit of Prop.				

check C6 grades from P 33  
East Side Evergreen  
Dickens to Emerson

No. 25018

0-6.34

0-12.68

0-19.02

0-26.88

0-33.77

0-40.86

end of d C6.

SWBP  
Fenelon  
and  
Evergreen

1.90

27.01

25.11

Moore  
Boyer  
Green  
Roberts  
5-21-47

Curb 5.67 edge  
work

64

19.70

19.84

7.31

7.17

19.66

19.80

7.35

7.21

19.63

19.77

7.38

7.24

19.64

19.77

7.37

7.24

19.53

19.67

7.48

7.34

19.47

19.43

7.74

7.58

27.01

curb

5.67

edge  
walk

65

+25

19.96

20.11

7.05

6.90

19.86

19.97

7.15

7.04

+75

19.73

19.84

7.28

7.17

+50

19.65

19.77

7.36

7.24

+25

19.69

19.84

7.32

7.17

0/00 EC

19.74

19.86

7.27

7.15

27.01

2 + 42.2 end Job

2 + 17.73 E.C.

2 + 0.42 Beg. Curb + Walk

↑  
Gap in Job

↓  
1 + 77.79 = end Curb + Walk

1 + 74.79

1 + 63.5

1 + 50.21 c6.B.C.

c6 ← 5.67 → edge walk

66

17.84 9.19 17.97 9.04

18.74 8.27 18.88 8.13

19.17 7.84 11.29 7.72

20.11 6.90 20.21 6.80

20.01 7.00 20.18 6.83

20.06 6.95 20.16 6.85

27.01  
—  
2

State 140' ab. etc

S. side Silver St.

Mace Betvi Draper & Eads

Bc99  
Green  
Johnson

W.S. 21018

5-23-47

SEBP.	1.10	87.14		86.04	Draper and Kline
T.P.	380	77.95	12.99	74.15	
T.P.	5.95	<u>83.74</u>	0.18	77.77	SE. 7' C.T. Draper silver

0.706	EL. Draper			77.70	
				6.02	
				6.03	
				0.01 Low	Ex. cb. end
150		<u>78.60</u>			
		5.12 ✓			

1				79.51	
				4.21 ✓	

1	4.3568 alley	<u>80.16</u>			
	RC.	3.56 ✓			

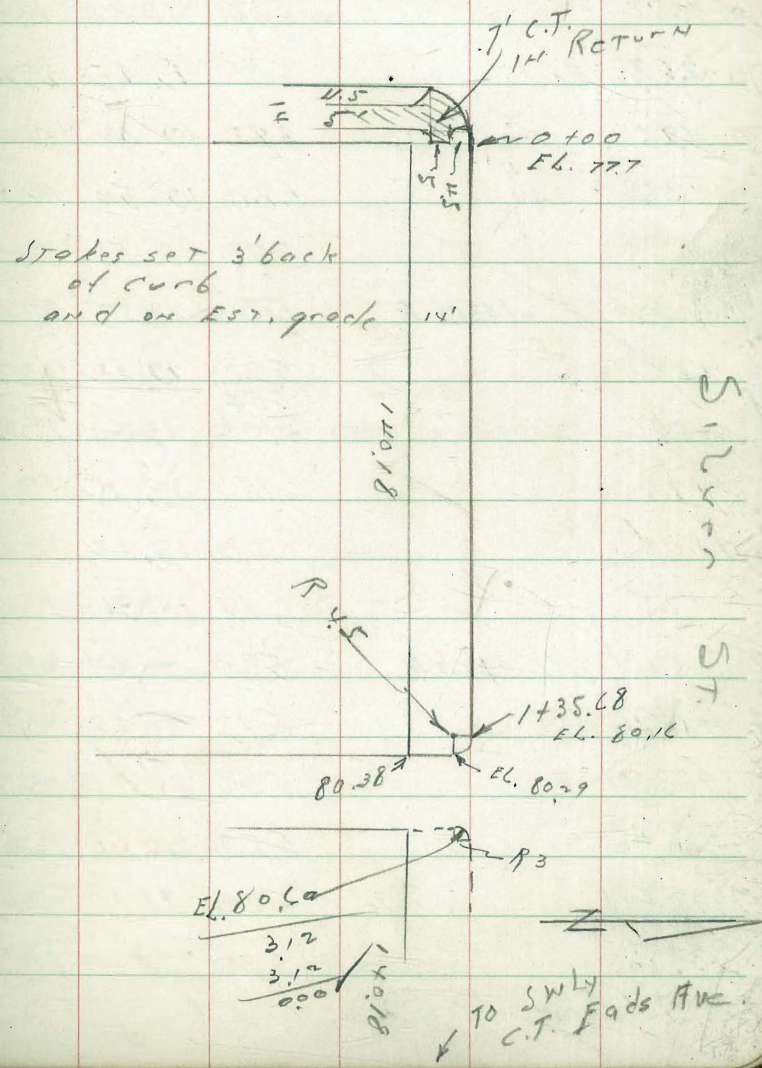
	alley Ret. E.C.			80.29	
				3.43 ✓	

	S.L. Silver	<u>80.38</u>			
	W.L. alley	3.34 ✓			

LOT 1-2 BLK. 10 ADD La Jolla Park 67

OWNER Edwin & Alice Vaughan  
CONTR. Robert Lee

PERMIT NO. 948 Draper St.



Walker  
Handbooks  
Bechtel  
Johnson 6-30-87

Re stake Evergreen St.  
from Dickens to Emerald  
(Orig. stakes P. 33)

cb line  
Stations

25.30

Rods

El. stakes

El. cb  
Grade

0-4086 = POC Existing cb

19.38 → Existing cb.

0-3377

5.92 19.38

19.38

cuts

0.00

offsets

7' Rt of cb Face

0-2688 = Brk

5.85 19.45

19.45

0.00

"

0-1968

5.82 19.48

19.48

0.00

"

0-1268

5.80 19.50

19.50

0.00

"

8-634

5.79 19.51

19.51

0.00

"

0+00 = E.C. of 43' cb R

5.80 19.50

19.50

0.00

"

+25

5.92 19.38

19.38

0.00

"

+10

5.54  
6.04

19.76

19.26

+0.50

"

Stake on Reset

Christed cross in Conc. Drive

+75

6.15 19.15

19.15

0.00

"

1+00

6.28 19.02

19.02

0.00

"

+25

6.39 18.91

18.91

0.00

"

1+50.21 = B.C. 43' cb R

5.23 20.07

18.80

1.27

9' Rt of cb Face

+56.96

5.12 20.18

18.76

1.42

7' Rt

1+63.71

5.09 20.21

18.70

1.51

"

+70.46

5.22 20.08

18.65

1.43

"

+77.21

5.20 20.10

18.60

1.50

"

+83.96

5.30 20.00

18.51

1.49

"

Cont. P. 69

P-42 P-39

B.M. Exist cb 0-4086 = ~~198~~

68

= 1928

602 +

2530 ±

Re Staked P. 71

Evergreen St. cb. Grades

Cont. from p. 68

cb line Stations	<sup>K</sup> 25.30	Rods	El. Stakes	El. cb Grade	Cuts	offsets
1+90.71		5.52	19.78	18.41	1.37	7' R. of cb. face
+97.46		5.85	19.45	18.30	1.15	"
2+04.21		6.11	19.19	18.22	0.97	"
+10.26		6.09	19.21	18.11	1.10	"
2+17.73 = cb. E.C. 43'R		6.34	18.96	18.00	0.96	"
+42.73 = End function		6.66	18.64	17.45	1.19	8.13 Nail in Pole from cb face
chk B.M. <sup>Evergreen</sup> p. 133		0.19	25.11	✓		

Restaked  
see p. 71

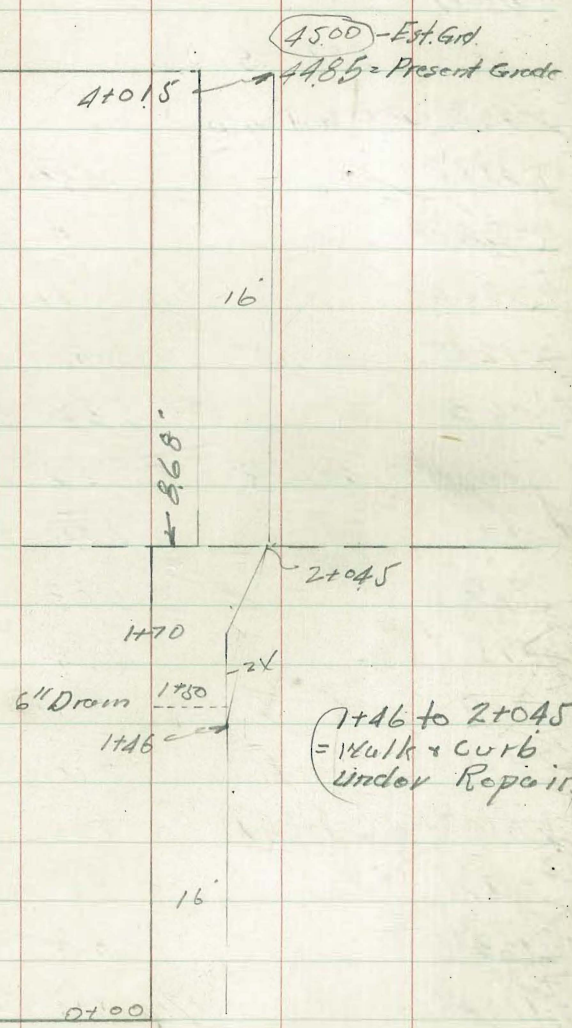
Wulker  
Handmills  
Becker  
Johnson  
Curb Grades - Market St  
Between 14th & 15th  
on West side Market

7-3-47	167	48.59		46.92	
T.P.	1.93	39.59	10.93	37.66	
0+00 = 114.15th on cb		9.99	29.60		
+50	on cb.	8.35	31.24		
1+00	" "	6.55	33.04		
+16		4.77	34.82	35.00	
1+70					
2+045 - Light Std.		2.67	36.92	37.18	
2+50		0.60	38.99		
T.P.	2.22	48.44	0.37	39.22	
3+00		7.47	40.97		
+50		5.52	42.92		
4+01.5 = cb FL 14th		3.57	44.87		
chk B.M.		1.52	46.92		

		π Above 39.59		cb.	
1+46				35.00	
+50		4.43	35.16	35.16	
		3.48	36.11	36.11	
1+70		7.63	35.96	35.96	
2+045		2.71	36.81	37.18	

14th

Note: Grades std. by Plans 7-3-47  
To meet present improvements



(1+46 to 2+045)  
= Walk + Curb  
Under Repair

15th



Walker  
Becker  
Johnson  
Muller  
8.11.47

Re-stake Curb on Evergreen  
from Dickens to Emerson

71

Station		on Cb	BM. 0-4086		
	5.81	25.09	19.28	Fl. Cb.	Cuts offsets
0-40.86 = POC Existing cb			19.28		
0-33.77	5.71	19.38	19.38	0.00	7' RT
0-26.88	5.64	19.45	19.45	0.00	"
0-19.68	5.61	19.48	19.48	0.00	"
0-12.68	5.59	19.50	19.50	0.00	"
0-6.34	5.58	19.51	19.51	0.00	"
0+0.0 = B.C. 43' cb R	5.59	19.50	19.50	0.00	"
+25	5.71	19.38	19.38	0.00	"
+50	5.83	19.26	19.26	0.00	"
+75	5.94	19.15	19.15	0.00	"
+100	6.07	19.02	19.02	0.00	"
+125	6.18	18.91	18.91	0.00	"
+150.21 = B.C. 43' cb R	5.69	19.40	18.80	0.60	5' RT
+182.96	5.20	19.89	18.76	1.13	7' RT
+163.71	5.21	19.88	18.70	1.18	"
+170.46	5.17	19.92	18.65	1.27	"
+177.21	5.18	19.91	18.60	1.31	"

Evergreen  
Cont. from 10-71

72

	25.09		El. cb. Grade	Cuts	offsets
1+8396	5.12	19.97	18.51	1.46	7' Rt.
1+9071	5.36	19.73	18.41	1.32	"
+9746	5.94	19.15	18.30	0.85	"
2+0421	5.82	19.27	18.22	1.05	"
+1096	5.94	19.15	18.11	1.04	"
2+1773-EG-4326R	6.18	18.91	18.00	0.91	"
+4273 chh. No. 1 in Pole P-69	6.45	18.64	17.45	1.19	"

Stake curb Lot. V.L. 382

Valle Vista Tract.

at 4788 Panorama Street

V.L.O. # 21018

8-22-47

Sommer-meyer

W. Moore

Sherman

La mare

SE. BR.

Madison  
Louisiana

7.96 350.27 — 342.31

5.27 355.00 0.54 349.73

0+01.91

349.60

top curb at

5.40

curb. inlet

5.39

0.01 L.O.K. for check

0+00

349.62

+25

+50

+75

+100

349.62

349.69

349.89

350.20

350.51

350.82

5.48

5.31

5.11

4.80

4.49

4.18

5.39

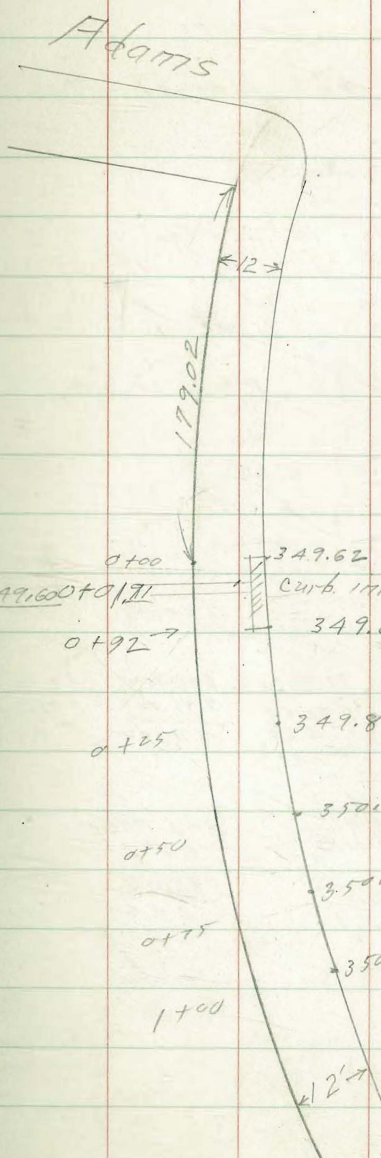
set at

-0.08

349.86

Low.

Red 1.14



Grades Per.  
Profile # 722  
Brk. 0+01.91 = EL. 349.60  
1+12.56 = EL. 351.00  
Brk. Rate = 1.26%

Wilson Ave.

74

Curb stakes. From

El Cajon to 456' No. of N.L.

El Cajon

Stakes set 2' East of

curb face except at E.C. at

0+10, there nail set 2' west

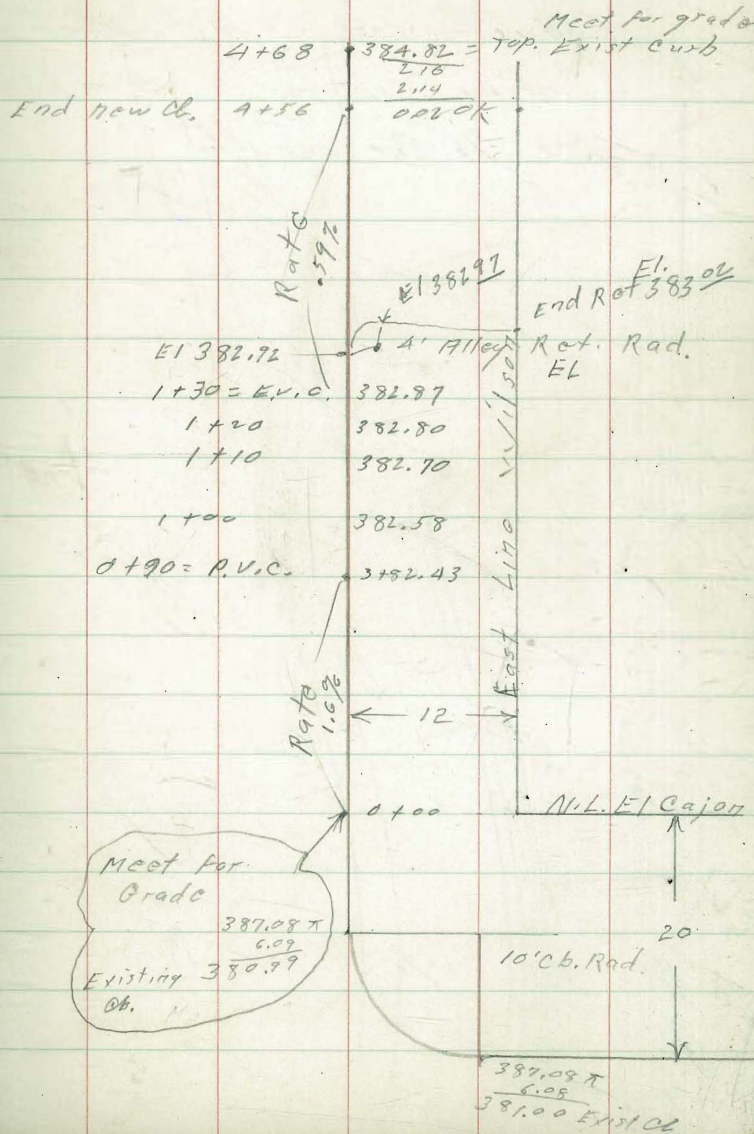
fill of.

S.W.B.B.  
El Cajon  
& Wilson

7.00 387.08 — 380.08

B.C. Rod	Meet Cl.	P.V.C.	1+00	1+10	1+20
0-10	0+00	382.43	382.58	382.70	382.80
380.99	380.99	4.09	4.09	4.38	4.28
6.09	6.09				
6.73	6.09				
F 0.64					

1+30	4' Rad	No	End Alley
E.V.C.	Alley Ret	North	Ret
382.87	382.72	382.99	383.02
4.21	4.16	4.11	4.06



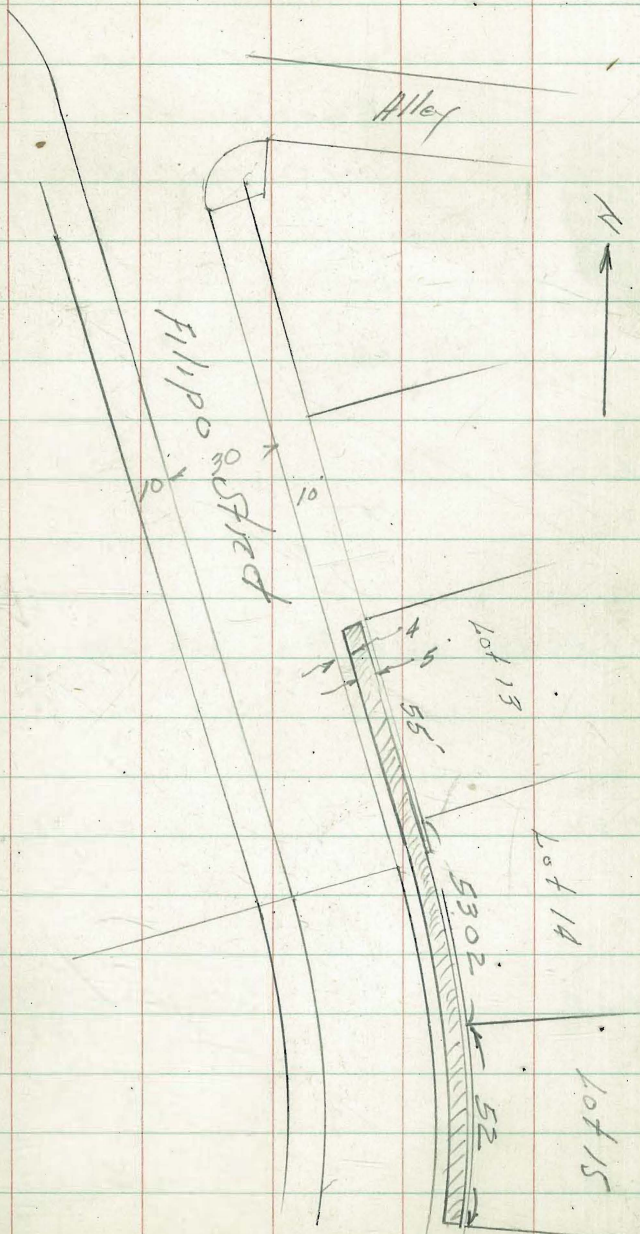
Walker  
Hendricks  
Becker  
Johnson  
11-5-47

Grades - Sidewalk

Filipo St. - Lots 13, 14, 15

(WO 21018)

Note: Located Existing Lot Lines  
Contractor Instructed to Meet  
Existing Curb for Grade & Line  
per  $\frac{1}{8}$ " Rise per ft.



Curb grades

26-27

60' N. side Myrtle

257

V.H.

at Florida St

Moore

W.O. 21018

Begg

Green

Roberts

11-7-47

B.M. Top

SE. C.H.

Florida St

Myrtle

567

205.97

200.30

1671.22

0+00

0+09.5 end Ex. ch. Pt.

200.40

1671.29

5.57

0+30

201.35

4.624

0+50

202.64

3.33 ✓

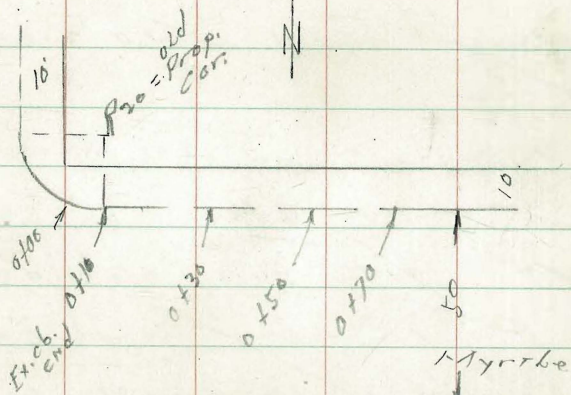
0+70

204.33

1.64

76

Florida



Stakes set to grade  
3' back

Curb grades

Lot 5 - C Blk 159 Pac. Beach

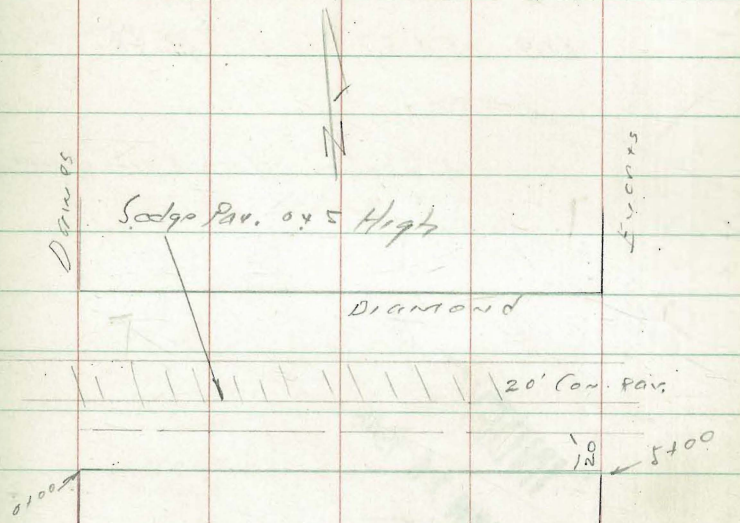
Morris				W.O. 21018	
Begg					
Green					
Roberts					
11-12-47					
NWBIP					
GARNET	751	4700		3953	
Events					
T.P.	715	5013	0.06	4698	
T.P.	875	6246	0.42	5371	
TOP					60.50
T.P. curb	283	63.32	1.97	60.49	5100

0700 E.L. Dawes 12.0

1700 W.C. #5 53.70  
9.52 ✓

1750 E.L. #6 54.55  
8.77 ✓

5400 W.L. Events 60.50



20' curbs  
5' walk 4' front p.l.

STAKES SET TO GRADE  
AND 3' BACK

LOT 5 - C BLK. 159 ADD. Pacific Beach  
OWNER I. F. Bolte  
CONTR. Clarence E. Rathbun  
PERMIT NO. 1592

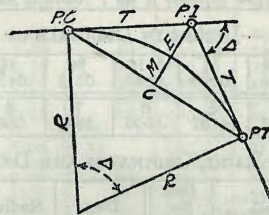






# DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES

Copyright, 1914, by Eugene Dietzgen Co., New York City



### CURVE FORMULAS

- Radius— $R = \frac{50}{\sin. \frac{\Delta}{2}}$  (1) Degree of Curve— $D$  and  $\sin. \frac{D}{2} = \frac{50}{R}$  (2)  
 Tangent— $T = R \tan \frac{\Delta}{2}$  (3) Length of Curve— $L = 100 \frac{\Delta}{D}$  (4)  
 Middle ordinate— $M = R(1 - \cos. \frac{\Delta}{2})$  (5)  $= R \text{vers} \frac{\Delta}{2}$  (6)  
 External— $E = T \tan \frac{\Delta}{4}$  (7)  $= R \div \cos. \frac{\Delta}{2} - R$  (8)  $= R \text{exsec} \frac{\Delta}{2}$  (9)  
 Long Chord— $C = 2 R \sin. \frac{\Delta}{2}$  (10)  $\Delta$ —Central Angle

### EXPLANATION AND USE OF TABLES

**Stations.**—Given P. I.—Sta. 161+60.35 to find Sta. of P. C. and P. T.  $\Delta = 62^\circ 10'$   $D = 8^\circ 20'$ . From Table IV for  $1^\circ$  curve  $T = 3454.1$  and  $\div 8\frac{1}{2} = 414.49$  ft. From Table V correction = .36 or  $T = 414.85$  ft. P. C.—Sta. P.I.— $T = 157 + 45.50$ . Also from (4)  $L = 746.00$  and P. T.—Sta. P. C. +  $L = 164 + 91.50$ .

**Offsets.**—Tangent offsets vary (approximately) directly with  $D$  and with square of the distance. Thus tangent offset for Sta. 158 on above curve is 2.16 ft. found as follows. From Table III tangent offset for 100 ft. = 7.27 ft. Distance =  $158 - \text{Sta. P. C.} = 54.50$ , hence offset =  $7.27 \frac{(54.50 \div 100)^2}{1} = 2.16$  ft. Also square of any distance divided by twice the radius equals (approximately) the distance from tangent to curve. Thus  $(54.50)^2 \div (2 \times 688.26) = 2.16$  ft.

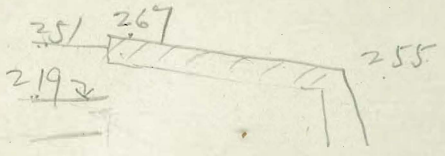
**Deflections.**—Deflection angle =  $\frac{1}{2} D$  for 100 ft.,  $\frac{1}{4} D$  for 50 ft., etc. For  $c$  ft. = (in minutes)  $.3 \times C \times D^\circ$  or = defl. for 1 ft. from Table III  $\times C$ . For Sta. 158 of above curve =  $.3 \times 54.5 \times 8\frac{1}{2} = 136.2'$  or  $2^\circ 16.2'$ , or =  $2.50 \times 54.5 = 136.2'$  from Table III. For Sta. 159 deflection angle =  $2^\circ 16.2' + 8^\circ 20' \div 2 = 6^\circ 26.2'$ , etc.

**Externals.**—May be found in similar manner to tangents. Thus  $E$  for curve above is 115.37. For from Table IV for  $1^\circ$  curve  $E = 960.6$  for  $8^\circ 20' = 960.6 \div 8\frac{1}{2} = 115.27$  and from Table V correction = .10 or  $E = 115.37$  ft. Or suppose  $\Delta = 32^\circ$  and  $E$  is measured and found to be 42 ft. What is  $D$ ? From Table IV  $E = 230.9$  and  $\div 42 = 5.5$  or  $D = 5^\circ 30'$ .

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0

255	<u>701</u>	446	701
	446		
267	255	434	482
<u>219</u>		<u>482</u>	219
.48		.48	<u>32</u>
			251



701  
975  
231

273.96  
 153.98  
 119.98  
 25  
 273.96  
 130.00  
 143.96

B-30 on 31

573  
 47  
 526  
 70  
 12  
 514

12 3/4

DISTANCES FROM CENTER OF ROADWAY FOR  
 CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1 1/2  
 For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	26.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be 41.9 + (20 - 16) \* 2 or 2 ft. added to 41.9 = 43.9. For slopes of 1 on 1 see inside of front cover.

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