

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.

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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CITY ENGINEER OFFICE

Completely
INDEXED

W K

FEB 28 1949

MICROFILMED

APR 13 1965

This Field Book is manufactured of a High Grade 50% Rag Paper having a WATER RESISTING SURFACE, and is sewed with Bing Special Enamel Waterproof thread.

Made in U. S. A.

1 to 7 Grades Mission Valley
Sewer, City line east.

8-11 Locations & Elevs of Tel. Ducts &
sewer laterals for Proposed Storm Drain
1st Addition to Braemar Pacific Beach

12- Stake New Gutter Elevs No. Side Broadway
13th to 14th Sts

Cb Grades for setting Water Meters
13 No. Side Evergreen Lytton to Shadow Lawn

14 Stake N.E. Cb Ret University & Illinois

15-19 Stake Orange Ave Estrella to 46th St

20 Stake Alley Block 192 Mission Beach

21 Stake Chamayne Ave. Dwight to Myrtle

22 Stake Commercial Ave. 30th to 31st

23 Stake Sewer Terrace Ct. & Jefferson Ave.
Kensington Park

24-28 Stake Water Main Linda Ross Forward to Catalina

29-32 Stake Rough Grades Catalina & Talbot

33 Stake Cb & Sidewalk Lots 18 & 19 Alta & Encanto

34 " Nly Ret Cañon & Talbot

35-36 " Collier Ave E Min View Dr. to Alexia

37-40 " Rough Grade Clove St. Carleton to Fenwick

41 " Cb NELY Cor Talbot & Catalina

42 " Cb N. side Exerts St Garnet Ho. to Alley

43 " Cb. Fortuna & Lamont

44 " Cb. Catalina Shd ~ Point Loma Manor Sub.

45-46 " Rough Grades Talbot St. Catalina to Cañon

47 Stake Drain Encanto Playground

48-49 " Sewer Castana St. Groveland to So.

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46+80 164.90 $\frac{11.23}{7.13}$
C 4.30

46+40 164.10 $\frac{11.23}{6.30}$
C 5.73

46+00 163.30 $\frac{13.03}{4.24}$
C 8.59

45+60 162.50 $\frac{13.83}{4.45}$
C 9.38

45+20 161.70 $\frac{14.63}{5.27}$
C 9.26

44+80 160.90 $\frac{15.43}{8.13}$
C 7.30

44+40 160.10 $\frac{16.23}{10.67}$
C 5.56

20' At. M.H. # 79 12.12 176.33 161.21

$\frac{1843}{37}$

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1

20+80 170.90 $\frac{14.89}{8.55}$
C 6.34

20+40 169.88 $\frac{15.91}{10.00}$
C 5.91

T.P. 6' At 11.12 185.79 166 174.67
M.H. # 80 = 20+00 M.H. # 80 168.96 $\frac{7.48}{1.66}$
48+77.57 Δ 19 $^{\circ}$ 56' Lt. 168.85 C 5.82
Twp: 351' At 20'
Tied 20.31' + 40.62' Lt.

48+40 168.10 $\frac{8.23}{2.27}$
C 5.94

48+00 167.30 $\frac{9.03}{3.14}$
C 5.87

47+60 166.50 $\frac{9.83}{4.67}$
C 5.16

47+20 165.70 $\frac{10.63}{5.67}$
C 4.94

176.33

INDEXED

23+60	178.01	$\begin{array}{r} 7.78 \\ 2.53 \\ \hline 5.25 \end{array}$
-------	--------	--

23+20	177.00	$\begin{array}{r} 8.19 \\ 2.94 \\ \hline 5.25 \end{array}$
-------	--------	--

22+80	175.98	$\begin{array}{r} 9.81 \\ 4.13 \\ \hline 5.68 \end{array}$
-------	--------	--

22+40	174.96	$\begin{array}{r} 10.83 \\ 5.28 \\ \hline 5.55 \end{array}$
-------	--------	---

22+00	173.95	$\begin{array}{r} 11.84 \\ 6.13 \\ \hline 5.71 \end{array}$
-------	--------	---

21+60	172.93	$\begin{array}{r} 12.86 \\ 6.98 \\ \hline 5.88 \end{array}$
-------	--------	---

21+20	171.91	$\begin{array}{r} 13.88 \\ 8.03 \\ \hline 5.95 \end{array}$
-------	--------	---

185.79

INDEXED

2

26+40	185.02	$\begin{array}{r} 11.16 \\ 5.56 \\ \hline 5.60 \end{array}$
-------	--------	---

26+00	184.02	$\begin{array}{r} 12.16 \\ 6.30 \\ \hline 5.86 \end{array}$
-------	--------	---

25+60	183.02	$\begin{array}{r} 13.16 \\ 7.22 \\ \hline 5.94 \end{array}$
-------	--------	---

25+20	182.02	$\begin{array}{r} 14.16 \\ 8.00 \\ \hline 5.56 \end{array}$
-------	--------	---

24+80	181.02	$\begin{array}{r} 15.16 \\ 9.27 \\ \hline 5.87 \end{array}$
-------	--------	---

24+40	180.02	$\begin{array}{r} 16.16 \\ 10.51 \\ \hline 5.65 \end{array}$
-------	--------	--

T.R. 2024 RT.	12.14	196.18	1.75	184.04	(191.03)
M.H. 81	45				68.7

23+95.96	M.H. 81 Δ	170-35' 44"	178.92	1.44	0.573
----------	-----------	-------------	--------	------	-------

Tied 2024 + 4048 RT.
10' T - 1.39

185.79

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29+20				192.02	$\begin{array}{r} 12.38 \\ 8.51 \\ \hline C 5.85 \end{array}$
28+80				191.02	$\begin{array}{r} 15.38 \\ 7.62 \\ \hline C 5.76 \end{array}$
T.P. ↓	10.39	<u>206.40</u>	0.17	196.01	
28+40				190.02	$\begin{array}{r} 5.16 \\ 2.57 \\ \hline C 5.77 \end{array}$
28+00				189.02	$\begin{array}{r} 7.16 \\ 1.92 \\ \hline C 5.74 \end{array}$
27+60				188.02	$\begin{array}{r} 8.16 \\ 2.31 \\ \hline C 5.85 \end{array}$
27+20				187.02	$\begin{array}{r} 7.16 \\ 8.23 \\ \hline C 5.73 \end{array}$
26+80				185.02	$\begin{array}{r} 10.16 \\ 9.21 \\ \hline C 5.89 \end{array}$

196.18

32+00				199.49	$\begin{array}{r} 6.71 \\ 1.60 \\ \hline C 5.31 \end{array}$
31+60				198.41	$\begin{array}{r} 7.99 \\ 2.52 \\ \hline C 5.47 \end{array}$
31+20				197.33	$\begin{array}{r} 9.07 \\ 3.52 \\ \hline C 5.55 \end{array}$
30+80				196.25	$\begin{array}{r} 10.16 \\ 4.53 \\ \hline C 5.62 \end{array}$
30+40				195.17	$\begin{array}{r} 11.23 \\ 5.66 \\ \hline C 5.57 \end{array}$
30+00				194.09	$\begin{array}{r} 12.31 \\ 6.95 \\ \hline C 5.86 \end{array}$
29+63 ²⁵				193.12	$\begin{array}{r} 13.28 \\ 7.27 \\ \hline C 6.01 \end{array}$

M.H# 82
 Tied 20.85 + 41.70 Lt.
 Tang. 10' = 2.96

206.40

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40+40 ✓ 221.13 $\frac{11.37}{6.82}$
C 4.53

40+00 ✓ 220.09 $\frac{12.41}{7.90}$
C 4.51

T.P. } 9.31 232.50 4.34 223.19
↓
39+60 ✓ 219.05 $\frac{8.48}{4.50}$
C 4.14

39+20 ✓ 218.01 $\frac{9.52}{5.30}$
C 4.22

38+80 ✓ 216.97 $\frac{10.56}{5.35}$
C 5.18

38+40 ✓ 215.93 $\frac{11.60}{5.52}$
C 6.08

M.H. # 84
38+00 Δ 10-16' Lt. 214.89 $\frac{12.64}{6.42}$
C 6.22
Tied 20" + 40" Rt.
Tang 10" ill
227.53

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west. x in M.H. Rim
1843
59 231.68 $\frac{0.82}{0.86}$
-0.04

Check invent.
Existing M.H. 227.61 4.89

End.

Connect to
41+86 Existing 10" sewer. ✓ 224.94 $\frac{7.56}{0.59}$
C 6.87

41+60 Check A = $\frac{232.39}{5.20}$ $\frac{8.24}{2.10}$
 $\frac{8.14}{2.07}$ 224.25 $\frac{8.24}{2.10}$
C 6.09

41+20 ✓ 223.21 $\frac{9.29}{3.44}$
C 5.85

40+80 ✓ 222.17 $\frac{10.83}{5.59}$
C 4.74

Grade change M.H. # 75 to M.H. 77
 sta. 29+05 - 35+44.56

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31+0			125.98	8.13 6.33 C 1.80
+60			125.38	8.73 6.07 C 2.66
30+20			124.78	9.33 5.28 C 4.05
+80		10.15	124.18	9.93 3.24 C 6.69
+40			123.58	10.53 2.68 C 7.85
	(Extra M.H.)	Back	Ahead	
29+05	M.H. # 75	120.28	123.05	11.06 3.17 C 7.94
T.P.	3.29	134.11	130.82	10.71 5.62
Chisel	9.45	136.44	128.99	

33+40			132.18	10.82 4.82 C 6.00
33+00			130.89	12.11 6.92 C 5.19
+60			129.59	13.41 9.71 C 3.70
T.P.	12.30	143.00	130.70	3.41
32+00			128.29	5.82 3.41 C 2.41
31+90 = M.H. # 76			127.32	6.79 4.42 C 2.37
31+45			126.65	7.46 5.73 C 1.73

0.3224x

134.11

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3574456 = M.H. # 77 (C7.68) ^{-id.} 138.83 $\begin{matrix} 13.12 \\ 5.103 \\ \hline C7.6905 \end{matrix}$

35400 139.38 $\begin{matrix} 14.57 \\ 8.12 \\ \hline C6.45 \end{matrix}$

T.P. ↓ 10.17 151.95 1.22 141.78
34460 136.07 $\begin{matrix} 6.93 \\ 1.22 \\ \hline C5.71 \end{matrix}$

34420 134.78 $\begin{matrix} 3.22 \\ 2.60 \\ \hline C5.62 \end{matrix}$

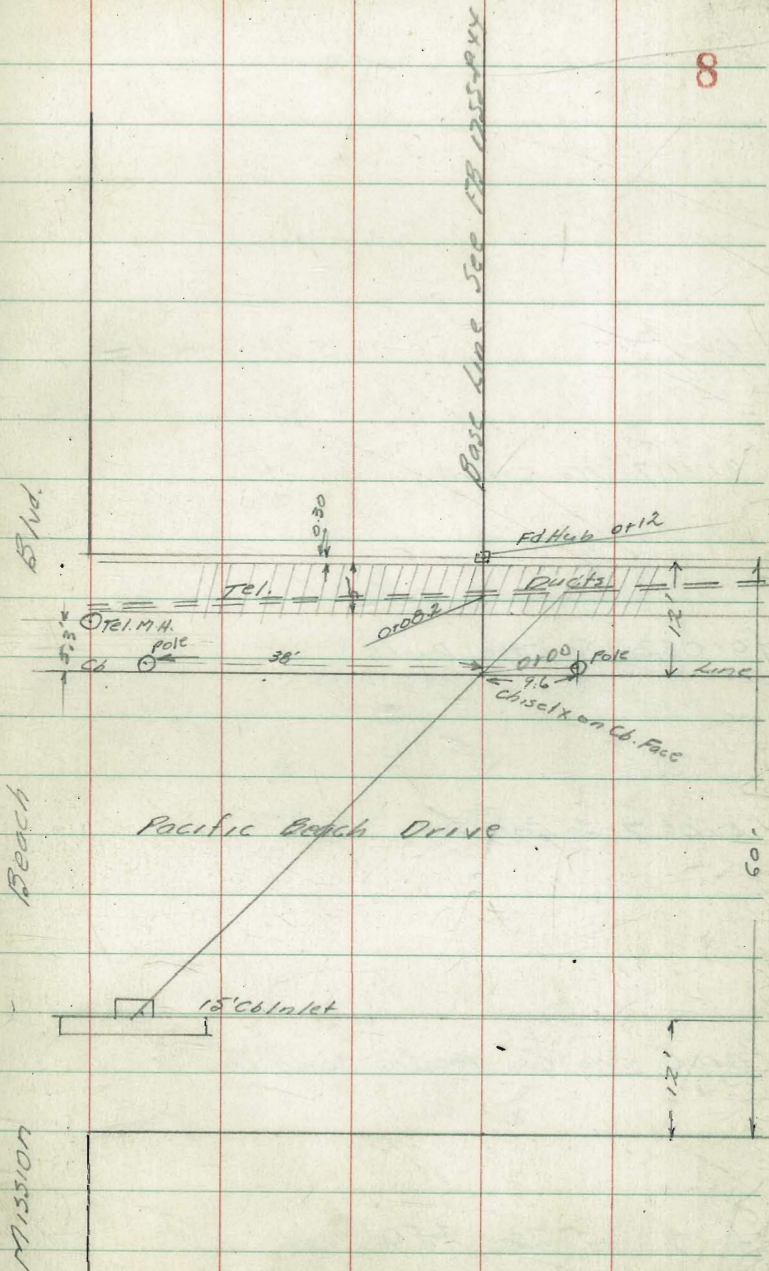
33780 133.48 $\begin{matrix} 9.52 \\ 3.85 \\ \hline C5.67 \end{matrix}$

143.00

10-8-48 Locations & Elevations of
Hendricks Tel. Ducts & Sewer Laterals
Roberts for Proposed Storm Drain
Corer.
Greer 1st Addition to Braemar Pacific Beach.
W#21029

Plan # 7052-L
FB 1755 P-44

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B.17 5.23 -1.73 -1.73

0111.7 No. Edge S. vi

0108.2 So. Edge Ducts

0106.7 So. Edge SVI

0100 No. Co. Pacific Beach Dr.

B.17 5.23 3.50 -1.73

CE Starting B.17.

$\frac{146}{496}$	$\frac{148}{498}$	$\frac{137}{487}$
10		10

$\frac{458}{818}$
Top of Ducts

$\frac{138}{508}$	$\frac{150}{506}$	$\frac{141}{495}$
10		10

$\frac{111}{561}$	$\frac{115}{500}$	$\frac{151}{559}$	$\frac{155}{506}$	$\frac{105}{553}$
10	10	6	7	7
6	6		6	6

NEBP. Pacific Beach Dr. & Mission Blvd.

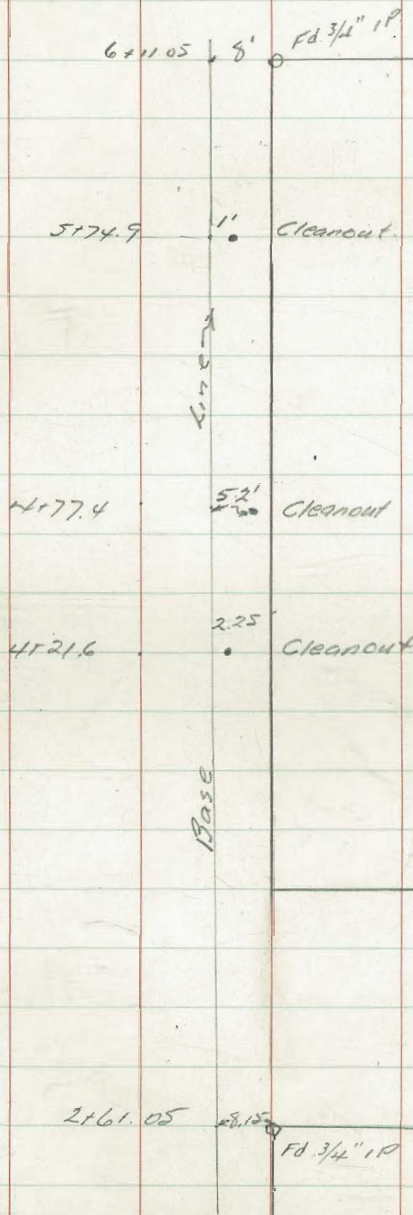
Locations & Elevs. of Sewer
Laterals for Proposed Drainage Ditch,
1st Addition to Braemar Pacific Beach

10

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(Elevs. Sewer laterals)

OK 50-line paving 289 0.75 0.75

5174.9

5172.4 on sewer line

4177.4

4126 on sewer

4121.6

(Elevs taken on top side of Bell)

8117 5.37 364

-1.73

Sta 6+70.90 FB 1255 P. 51

3.08

3.72

2.43 6.07

3' (on sewer) 0.63

3.75 6.89 4.27

2.14 5.2 sewer cleanout

5.81 2.3 0.47

2.17 (on sewer) 4.11

2.25 Cleanout.

NEBP Mission Blvd. & Pacific Beach Dr

10-26-48 Stake Gutter Line No. Side Broadway
 Hendricks 13th to 14th.

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1193		6.88	56.69
1160	B.R.	6.64	56.93
1140		6.52	57.01
1120		6.47	57.10
1100		6.39	57.18
0180		6.31	57.26
0160		6.22	57.35
0140		6.14	57.43
0120		6.05	57.52
0100	on Broadway	5.97	57.60
0160		4.01	59.56
0135		4.75	58.82
0120		5.19	58.38
0100	on 13th St.	5.78	57.79

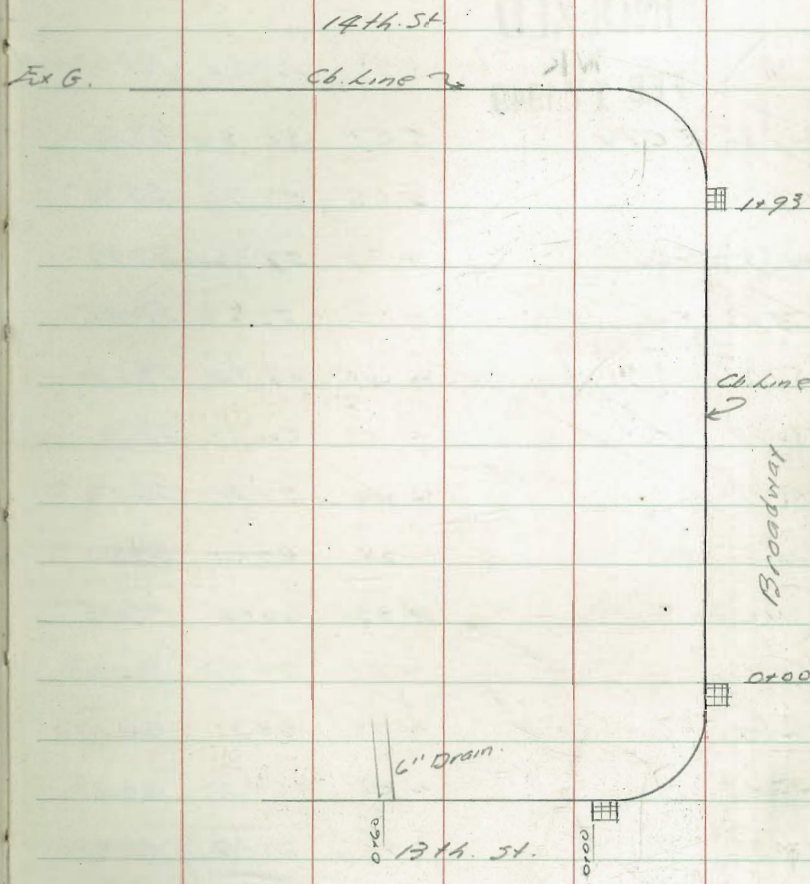
BM 3.62 63.57

5995

~~BM~~

~~58.44~~

12



NW BP 13th & E

SW BP 13th & Broadway

State Cbs. to set water meters
 110. Side Evergreen Lytton to Shadow 13W

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B.M.		5.81	58.54	58.52
3+29.85	EC PL.	5.51	58.84	58.85
3+19.54		5.65	58.70	59.12
3+01.63	EC.	4.97	59.38	59.33
2+79.43		4.71	59.64	59.43
2+57.21		4.43	59.92	59.53
2+34.99		4.13	60.22	59.63
2+12.77		4.44	59.91	59.73
1+90.55	BC.	4.34	60.01	59.84
1+74.12		4.33	60.02	59.95
1+50.43		4.51	59.84	60.06
1+26.74		4.08	60.27	60.17
1+03.05		4.08	60.27	60.28
0+79.36		3.96	60.39	60.39
0+55.67		3.67	60.68	60.47
0+43.44		3.35	61.00	60.64
0+40.86	EC. Lytton & Evergreen	3.26	61.09	60.68
B.M.	4.63	6+35		59.72

Top curb 16.5' Rt. of 4+72.20 FB 1724 Pg. 12

F 0.01

F 0.42

C 0.05

C 0.21

C 0.39

C 0.59

C 0.18

C 0.17

C 0.07

F 0.22

C 0.10

F 0.01

Grade

C 0.21

C 0.36

C 0.41

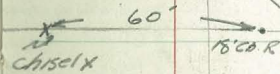
10' L&T SW Cor. Evergreen & Shadow 13W

FB 1730 - P. 2

Stake NE Co. Rel Univ. & Illinois
& Tie out 7' L&T.

University

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long

Illinois

Fill offset

EC on Univ. 5.23

③ 5.70 5.21

② 5.76 5.19

① 5.66 5.17

BC on Illinois 5.39 5.15

F0.45 4' outside

F0.49 "

F0.57 "

F0.49 "

F0.24 "

Orange Ave 48th St. to Euclid

Euclid

Ave

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	34892	34934	34950	34932	34889	2170.09
	34808	34848	34862	34852	34816	2150.09
	34707	34750	34767	34760	34727	2121.75
	34605	34651	34671	34667	34637	1193.42
	34503	34552	34575	34574	34547	1165.09
	34444	34494	34518	34518	34492	
	34438		34512		34486	
	34400		34475		34450	
	34397	34447	34472	34472	34447	
	34357	34407	34432	34432	34407	0193.40
	34315	34365	34390	34390	34365	0161.70
	34273	34323	34348	34348	34323	0130
	34256	34305	34329	34329	34302	0100

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

NW 1/4 34436

4814

51

B17 0.26 350.95

350.69

NW 1/4 Orange & Euclid

Orange Ave Euclid to 47th St.

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47th

St.

17

W	T	W	T	F	S
354.44		354.79		354.92	2170
354.87	354.72 460	354.81 458	354.66 468	354.26	2150
354.28	354.62 472	354.71 463	354.55 479	354.19	2120
354.19	354.53	354.61	354.75	354.03	1190
354.10	354.43	354.51	354.34	353.92	1160
354.01 354.00	354.24	354.21 354.40	354.24	353.82 353.81	1147 1143
353.67 353.62	353.75	354.08 354.03	353.87	353.50 353.45	1135 1128
353.27	353.61	353.70	353.54	353.12	1110
352.21	352.51	352.66	352.53	352.44	0175
351.95	351.83	351.94	351.82	351.44	0150
350.54	350.73	351.06	350.95	350.59	0120
350.15		350.71		350.31	0100

Euclid

Ave.

Orange Ave 47th to 17th

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WIK
FEB 17 1949

		Mento		Ave		18
G	1/4	E	1/4	G		
	348.54		349.04		349.71	21.70
	348.89	349.35	349.55	349.51	349.21	21.40
	349.50	349.96	350.16	350.12	349.83	21.09
	350.11	350.58	350.78	350.74	350.45	11.78
351.00	350.72	351.20	351.40	351.30	351.07	11.72
	350.76					11.45
351.15	350.96				351.10	351.70
	351.18				351.32	351.55
351.40	351.22	351.68	351.88	351.84	351.54	11.25
					351.58	11.25
					351.58	11.25
	351.83	352.29	352.50	352.47	352.20	01.92
	352.44	352.90	353.12	353.14	352.82	01.61
	353.05	353.52	353.74	353.71	353.44	01.30
	353.43		354.07		353.91	01.00

47th St.

35394 HWBP 46th & Orange

	353.48 -		353.81 -		353.26 2170
✓	353.02 -	353.37	353.47 -	353.33	352.92 2+50
			.50		
✓	352.30	352.65	352.77	352.68	352.24 2+1566
			.50		
	351.59	351.95	352.08	351.95	351.52 118133
			.50		
350.98	350.80 -	351.20	351.38	351.25	350.87 11009
	350.84		.50		350.83 1145
350.20	350.47				
	350.10				
350.35	350.08	350.65	350.93	350.81	350.43 1125
			350.90		350.41 1123
			.66		
✓	349.80	350.20	350.50	350.22	350.04 0195
			.55		
	349.51	349.92	350.07	349.99	349.64 0170
			.50		
	348.99	349.20	349.44	349.38	349.06 0130
			.50		
	348.48		348.87		348.73 0100
			.08		

Orange

T.P. 7.51 35634 6.28 348.83
 B.17 1.17 35511 (Crows ft on ch) 353.9x

Menlo

51.

11-3-48 Stake Alley Block 192
 Hendricks Mission Beach
 Roberts (Dwg. 6982-L)
 Greer - Lt
 Rorer Elev. Stake Elev. Gr.
 W031243

20

INDEXED
 WK
 FEB 17 1949

			Elev. Stake	Elev. Gr.	Cuts offset	± Grade	Subgrade	- Rt.	Elev. Stake	Elev. Grade	Cut. or F.	offset
2+10.52				-1.13			-1.77			-1.07		
1+77.87				-1.03		1 ⁰	-1.67			-0.97		1 ⁰
1+46.22	4.58	-0.19	-0.94	60.75	0.4 111.		-1.58			-0.88		
1+14.57	4.79	-0.40	-0.84	60.44	1'		-1.48			-0.78		
0+82.93			-0.75				-1.39	4.90	-0.51	-0.69	0.18	unc
0+51.28	4.73	-0.24	-0.65	60.31	2'		-1.29			-0.59		
0+20.64			-0.56				-1.20			-0.50		
0+10.64			-0.61				-1.21			-0.57		
0+00			-0.76				-1.22			-0.88		
B.17	5.19	4.39	-0.80									

& Edge Conc Pav: 2+11.20 FB 1771 P-20

11-18-48
 Hendricks
 Bramby
 Greer
 Rorer
 W0431303

Paying Grades Chamounie
 Dwight to Myrtle

INDEXED
 WK
 FEB 17 1949

Dwight

ST

21

32330	323.19	322.61	6.00
32391	323.91	323.18	5.780
324.88	324.91	324.20	5.150
325.86	325.91	325.22	5.120
326.83	326.91	326.24	4.190
327.81	327.91	327.26	4.160
328.78	328.91	328.29	4.130
329.76	329.91	329.32	4.100
330.73	330.91	330.34	3.170
331.70	331.90	331.37	3.140
332.31	332.56	332.03	3.120
332.70	332.95	332.47	3.100
333.09	333.34	332.81	2.180
333.26	333.46	332.94	2.160
333.49	333.67	333.11	2.1275
333.72	333.87	333.28	1.195
333.95	334.07	333.45	1.1625
334.18	334.27	333.62	1.130
334.41	334.47	333.80	0.1975
334.64	334.67	333.97	0.165
334.87	334.87	334.14	0.1325
335.11	335.08	334.32	0.100

Ave.

Chamounie

Myrtle

ST

10-8-48
Hendricks
Bramby
Greer
Rorer

State Commercial Ave
Bet. 30th & 31st St

INDEXED
WK
FEB 17 1949

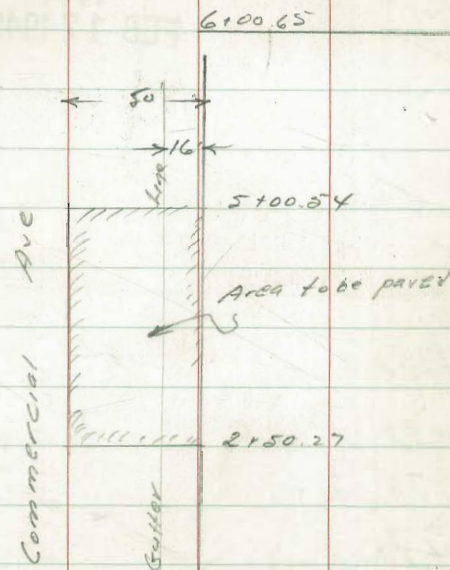
5100.54	£			7373
5100.54	Gutter line	4.64	7334	7309
5100.54	Prop. line	4.16	7382	7382
2150.27	£			7290
2150.27	Gutter line	5.29	7269	7216
2150.27	Req. par. Pk	4.99	7299	7299
TP	5.29	7798	4.35	7269
B17	207	7704		7497

CO.31
CO.00
CO.53
CO.00

NYBP 30th & Imperial

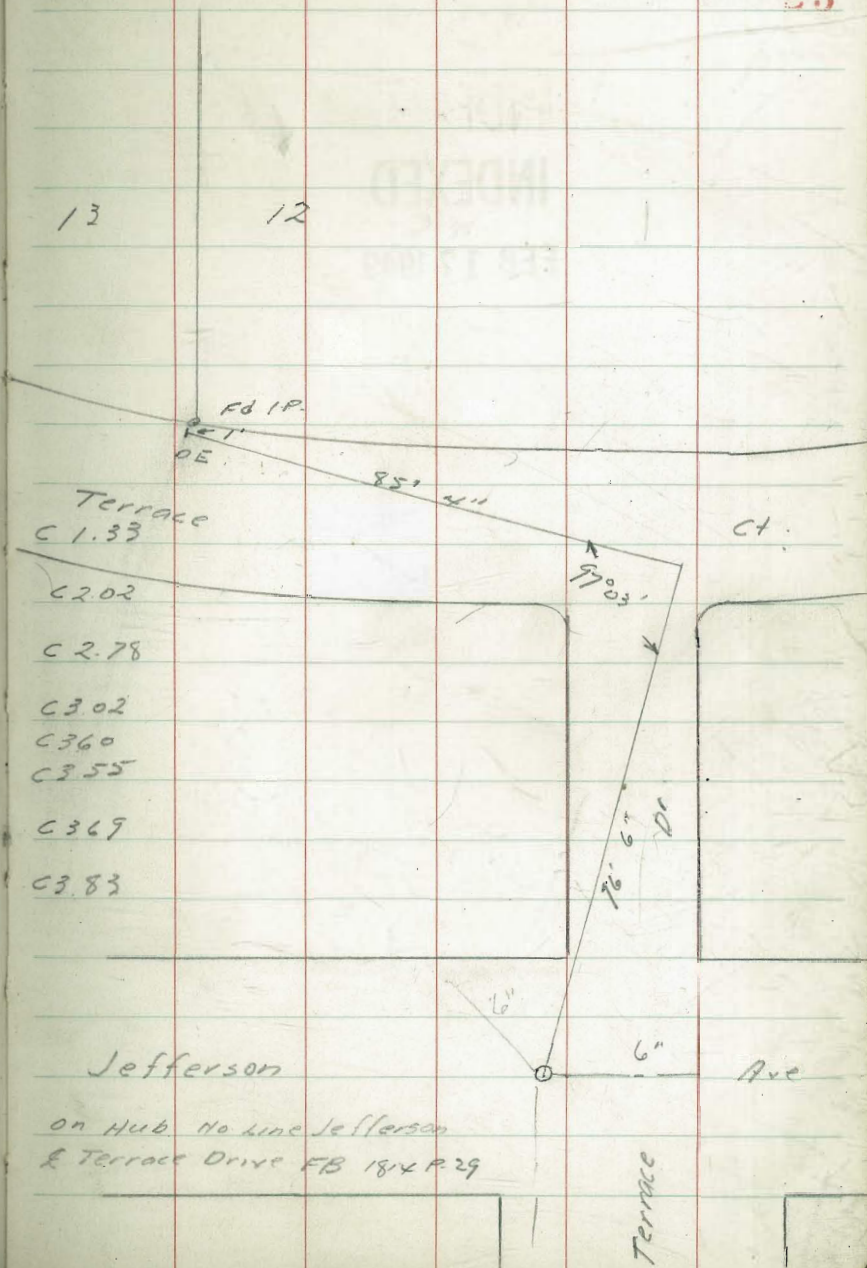
31st

St



INDEXED
WIK
FEB 17 1949

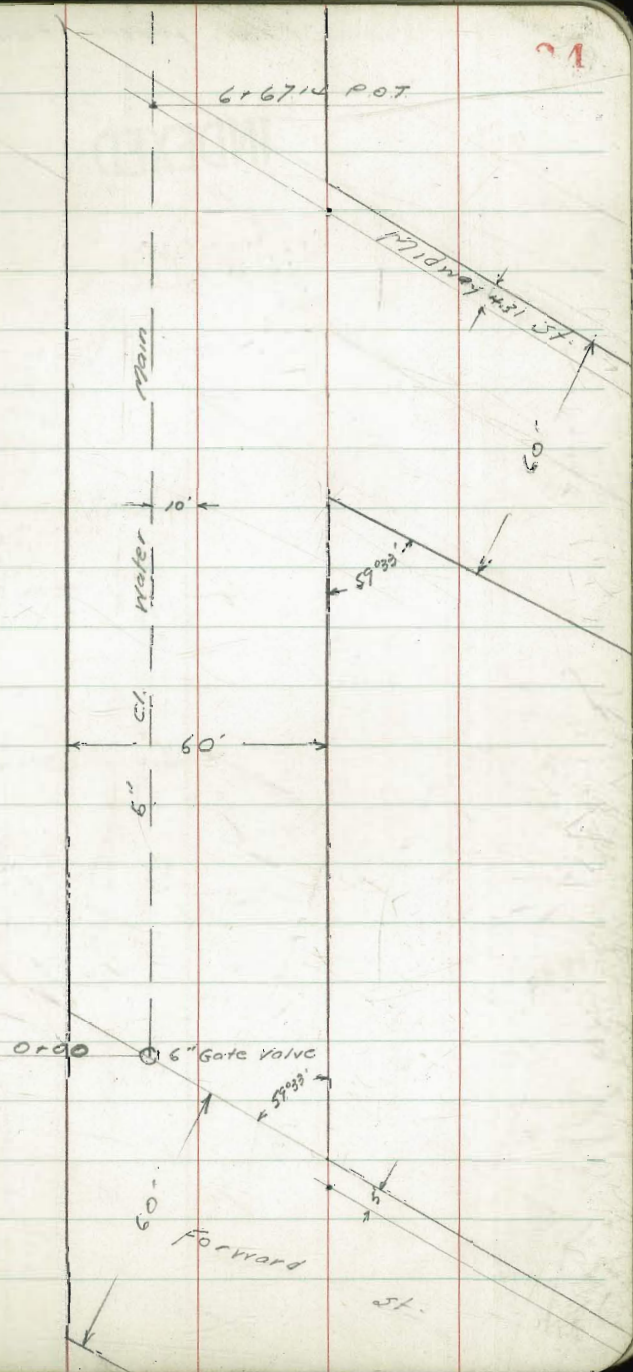
1+61	End	6.17	356.32	354.99
1+39.75		5.70	356.79	354.77
1+18.50		5.15	357.34	354.56
0+97.25		5.12	357.37	354.35
0+76	Ahead	4.75	357.74	354.14
0+76.00	L. Back Tan.	4.80	357.69	354.14
0+50.66		4.83	357.66	353.97
0+25.33		4.87	357.62	353.79
0+00	M.H. & Jefferson & Terrace Dr.	8.88	353.61	353.61
BM		4.65	362.49	357.84



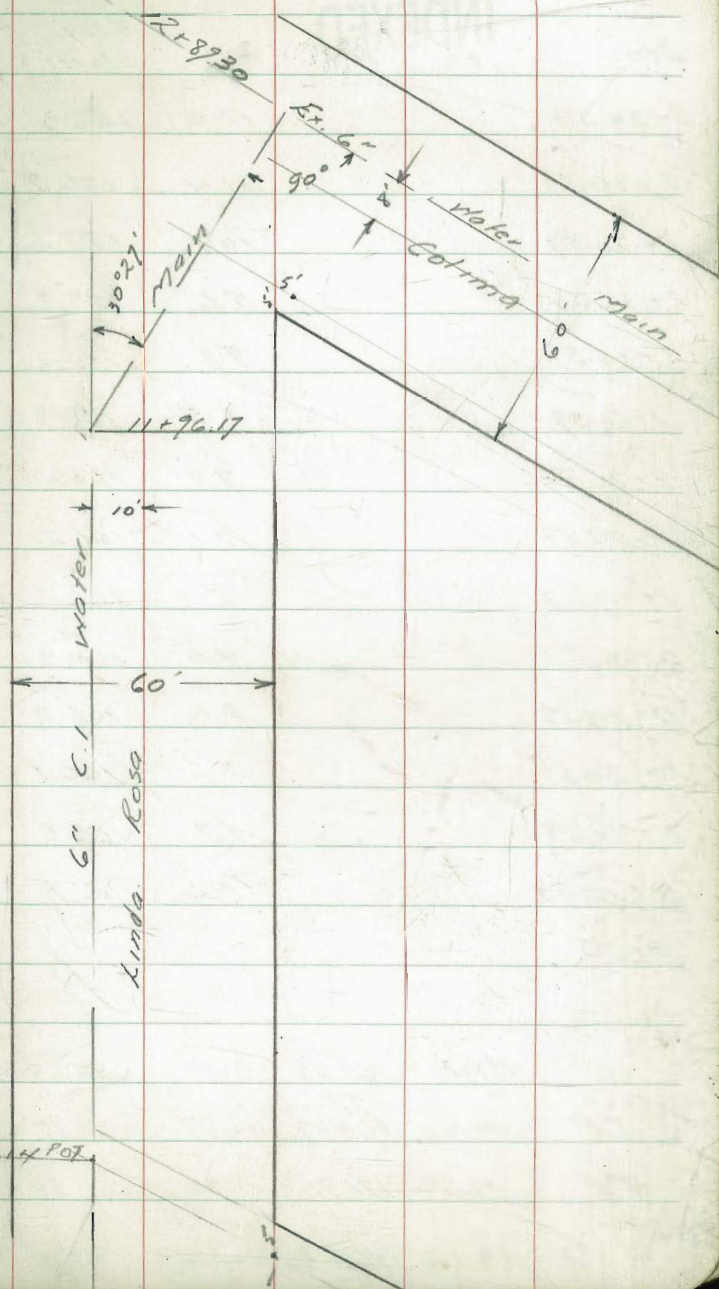
12-1-48
Hendricks
Bramby
Greer
Korer

State Water Main
Linda Rosa Forward to Colima

INDEXED
WK
FEB 17 1949



INDEXED



Grades Linda Rosa Water Main

INDEXED

Cuts

Sta. + H/I - Elev. Stakes Elev. Gr 4' below & Finish Gr.

3+50.59		12.0	156.3	152.88	3.4
3+10.59		11.4	156.9	153.68	3.2
2+70.59		10.7	157.6	154.44	3.2
2+30.59		9.6	158.7	155.29	3.4
2+10.59		9.1	159.2	155.78	3.4
1+90.59		8.5	159.8	156.47	3.3
1+70.59		7.9	160.4	157.36	3.0
1+50.59		7.1	161.2	158.44	2.8
1+10.59		5.1	163.2	160.80	2.4
0+90.59		4.0	164.3	161.82	2.5
0+70.59		3.1	165.2	162.53	2.7
0+50.59		2.2	166.1	162.92	3.2
0+30.59		1.7	166.6	162.90	3.7
0+10.59		1.4	166.9	162.60	4.3
0+00					

B.O.P. 13.01 168.28 8.12 153.27

TP. 4.40 163.39 12.91 158.99

TP. 11.56 171.90 0.30 160.34

B.M. 13.12 160.64 147.52

NE 5' L&T. Colima & Tatt

INDEXED

T.P.	<u>1150</u>	<u>171.66</u>	<u>3.32</u>	<u>160.16</u>		
10+0172			4.2	159.3	154.71	4.6
9+50.59			5.4	158.1	153.33	4.8
9+10.59			6.5	157.0	152.40	4.6
8+70.59			7.5	156.0	151.76	4.2
8+30.59			8.0	155.5	151.41	4.1
7+90.59			8.7	154.8	151.21	3.7
7+50.59			8.9	154.6	151.01	3.5
7+10.59			8.8	154.7	150.81	3.9
6+70.59			8.9	154.6	150.61	4.0
6+30.59			8.8	154.7	150.33	4.3
6+10.59			8.9	154.6	150.20	4.4
5+90.59			8.8	154.7	150.40	4.3
5+70.59			8.6	154.9	150.82	4.1
5+30.59			8.6	154.9	151.10	3.8
T.P.	<u>8.27</u>	<u>163.48</u>	<u>13.07</u>	<u>155.21</u>		
4+80.59			13.1	155.2	151.45	3.7
4+30.59			12.8	155.5	151.80	3.7
3+90.59			12.4	155.9	152.21	3.7

168.28

INDEXED

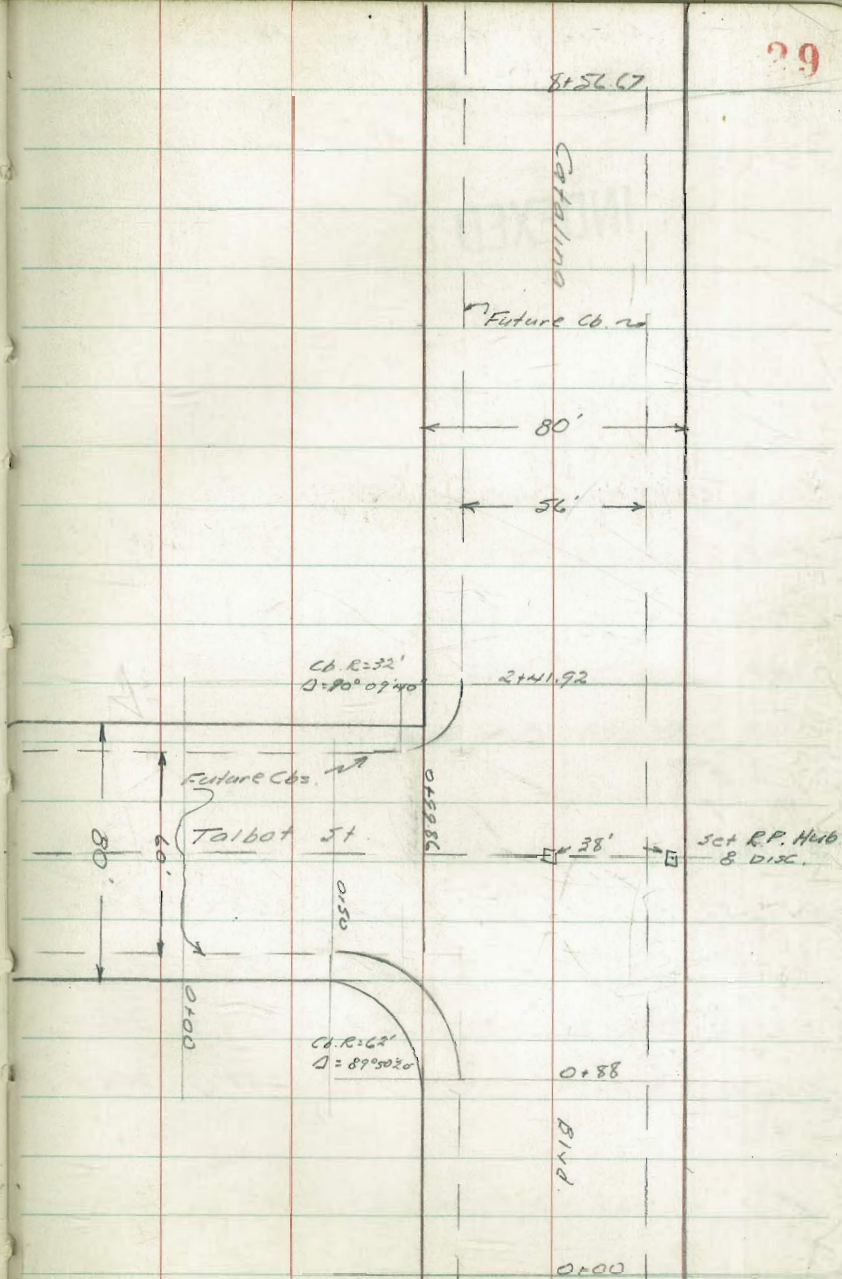
T.P.	7.44	164.22			17W 5' LBT Colima & Linda Rosa
11155.11	7.4	163.3	158.86		4.4
11103.98	9.7	162.0	157.47		4.5
10152.85	11.1	160.6	156.09		4.5

17166

12-2-48 Stake Paving Grades
 Hendricks Catalina & Talbot
 Bramby Greer
 Rorer
 WD# 60325

INDEXED
 WK
 FEB 17 1949

29



Paving Grades on Talbot.

INDEXED

30
Cuts
R.

			Elev. Station	Elev. Gr.	offset 5° Cuts		Elev. Station	Elev. Gr.	
		Lt.	Lt.	Lt.	Lt.	Rt.	Rt.	Rt.	
EC. = 0198	on Catalina	on Lt.	7.5	258.0	256.22	C1 ⁸			
#3			7.0	258.5	256.12	C2 ⁴			
#2			6.6	258.9	256.02	C2 ⁹			
#1			6.6	258.9	255.88	C3 ⁰			
0150	EC. N.E. Ret. Talbot.		6.8	258.7	255.58	C3 ⁵			
019986	Sky line Catalina	5.0	260.5	256.18	C4.3				
017957		5.3	260.2	256.12	C4.1				
0165		5.8	257.7	256.07	C3 ⁸				
0150	EC on Rt.	6.2	259.3	255.89	C3 ⁴	6.8	258.7	255.58	C3 ⁵
0100		7.6	257.9	254.94	C3 ⁰	8.3	257.2	254.76	C2 ⁴
B-7	489	265.54		260.65		Swiv B.P. Santa Barbara & Catalina			

Sta.	Paving Grades on		Catalina	
	H.I.	- Lt.	El. Stakes Lt.	El. Gr. Rt.
	INDEXED			
4+42.59		6.7	252.6	252.62
4+08.29		5.7	253.6	253.17
3+74.19		4.4	254.9	253.71
3+39.92		2.9	256.4	254.26
T.P.	2.45	257.29	870	256.84
3+19.92		8.2	257.3	254.58
2+99.92		7.5	258.0	254.88
2+79.92		6.5	259.0	255.15
2+59.92		5.7	259.8	255.38
2+39.92		5.7	259.8	255.58
2+19.92				
1+86.94				
1+53.96				
1+20.98				
0+88		7.5	258.0	256.22
0+44		8.2	257.3	256.39
0+00		8.5	257.0	256.57
B.17	4.89	265.54		260.65

5' offset Cuts Lt.	- Rt	Elev. Stakes		5' offset Cuts Rt.
		Rt.	El. Gr. Lt.	
C0 ⁰	5.6	258.7	253.12	C0 ⁶
C0 ⁴	4.0	255.3	253.67	C1 ⁶
C1 ²	2.4	256.9	254.21	C2 ⁷
C2 ¹	0.7	258.6	254.76	C3 ⁸
C2 ⁷	6.0	259.5	255.06	C4 ⁵
C3 ¹	5.1	260.4	255.32	C5 ¹
C3 ⁸	4.3	261.2	255.55	C5 ⁶
C4 ⁴	3.9	261.6	255.73	C5 ²
C4 ²	3.3	262.2	255.88	C6 ³
	3.2	262.2	255.99	C6 ²
	3.7	261.8	256.13	C5 ⁷
	4.4	261.1	256.27	C4 ⁸
	5.2	260.3	256.31	C4 ⁰
C1 ⁸	6.2	259.3	256.54	C2 ⁸
C0 ⁹	7.0	258.5	256.74	C1 ⁸
C0 ⁴	7.2	258.3	256.94	C1 ⁴
SWLY B.P. Santa Barbara & Catalina				

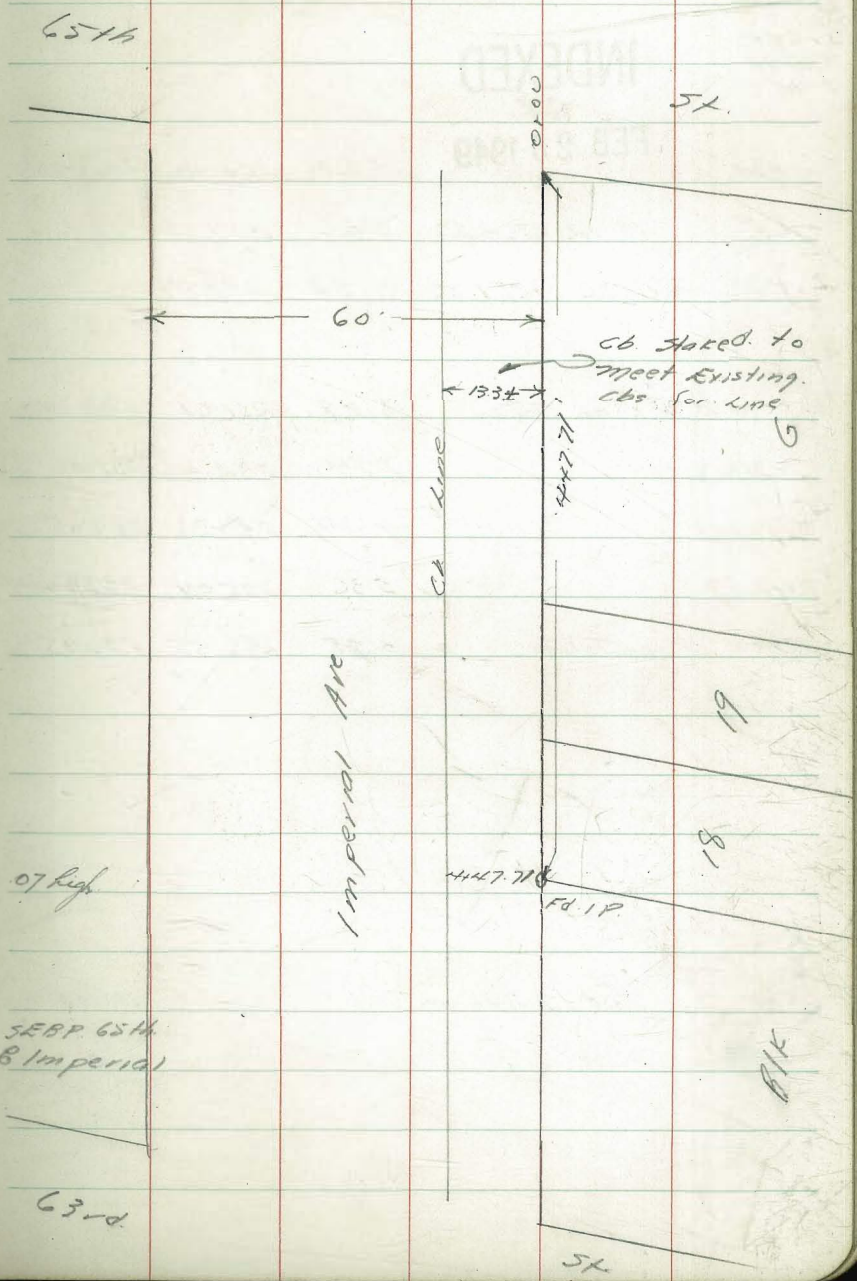
126-48
Hendricks
Bramby
Greer
Rorer

State Cb. & Sidewalk
Lots 18819 Blk G Encanto Hts.

INDEXED
WK
FEB 17 1949

LOT 17 BLK. G ADD. Encanto
OWNER: A. D. Lyles
CONTR. D. H. Highley
PERMIT NO. 3780

4+47.71	End.	3.82	221.29	221.29
4+27.06		3.51	221.60	221.60
4+07.06		3.23	221.88	221.88
3+87.06		2.95	222.13	222.13
3+67.96		2.74	222.37	222.37
3+47.96	End. E. Cb.	2.62	222.49	222.56
BT		3.97	225.11	221.14



SEBP 654
Bl Imperial

12-7-48
 Hendricks
 Bramley
 Greer
 Rorer
 Wox

Stake Hwy. Ret. Cañon & Talbot

INDEXED

W.K.

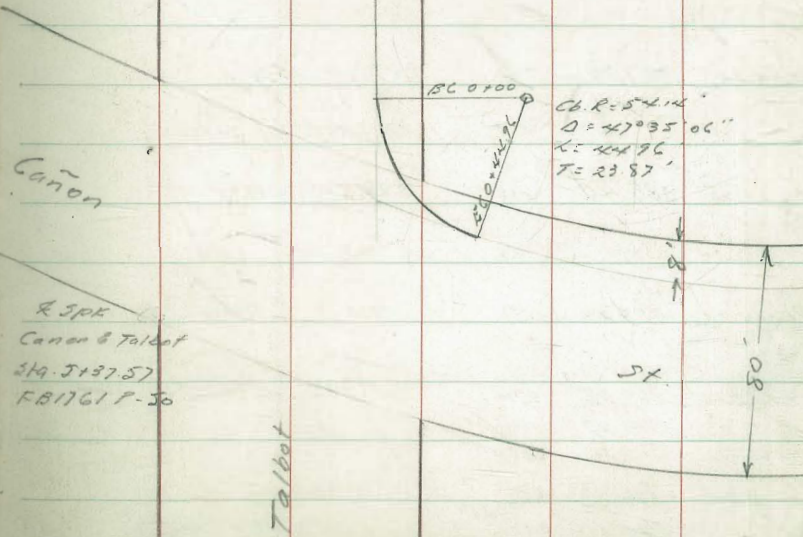
FEB 25 1949

B.M.		3.52	260.70	260.65
T.P.	13.12	264.22	0.66	251.10
T.P.	11.82	251.76	0.52	239.88

0+4496 EC on Cañon	8.79	231.61	230.00
0+3148	7.94	232.46	231.00
0+1801	7.04	233.36	232.05
0+4.53	5.36	235.04	233.30
0+00 BC on Talbot	4.85	238.55	233.75

Hwy RP Catalina & Santa Barbara

C 1.61			
C 1.46			
C 1.31			
C 1.74			
C 1.80			



B.M.	7.45	240.40	232.95
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R Spk
 Cañon & Talbot
 Sta. 5+37.57
 FB 1761 P-30

12-8-48
 Hendricks
 Bramby
 Greer
 Rorer NO = 31326
 Stake Paving Collier Ave
 East Mountain View Dr. to Along St.
 (Dist. 2931 L)

214472 381.55 3.24 381.67 2.12

T.P. 1.58 384.79 10.28 383.21

211972 383.09 10.40 383.12 10.36

119472 384.24 9.25 384.45 9.04

116972 385.42 8.07 385.51 7.98

114472 386.45 7.04 386.40 7.09

111972 387.12 6.37 387.10 6.39

019472 387.79 5.71 387.80 5.69

016972 388.46 5.03 388.50 4.99

014472 389.14 4.35 389.19 4.30 014472

012782 389.55 3.94 389.55 3.94 012792

012122 389.79 3.70

011672 389.84 3.65

010672 390.05 3.44

0100 390.10 3.37

BM Mountain 2.12 392.45

INDEXED
 WK
 FEB 25 1949

Collier Avc. Contd.
 363.10 938 (8.95) 363.53 513472

365.39 7.09 (6.90) 365.58 418972

367.68 4.80 (4.85) 367.63 415472

369.98 2.80 (2.80) 369.68 411972

371.62 0.86 (1.11) 371.37 319472

T.P. 0.87 372.48 13.18 371.61

373.26 11.52 11.72 373.06 316972

374.90 9.89 10.04 374.75 314472

376.54 (8.25) 8.15 376.44 311972

378.17 (6.42) 6.40 378.13 219472

216972 379.86 (4.93) 4.74 380.05 216972

384.79

391.37

SW Cor. Collier & Mountain View

3.64 (35984)
35984
OK Top of Cb Lt. 514431
FB 1747 P.28

7192.66
36091
36091 (2.57) (2.57)
36091 (2.57)

7192.66
36091
36091 (2.57)
36091 (2.57)
36091 (2.57)
36091 (2.57)

7136.50
360.09
359.66
359.11
359.23 (4.24)
358.81 (4.67)
358.39 (5.09)

7117.28
358.23
358.75
358.80
358.32
358.55
358.09

6199.06
6180.34
6166.20
6152.06
6145.16
6137.69
6123.79

Collier

470
35998 CA
35878
35800
35820
35878
35800
35820
35878

T.P. 0.88 363.48 9.88 362.60

372.48

5154.72 361.32 (11.16) 11.08 361.40 5155.53
5150.55 361.40 (11.08)

372.48

Rough Grades Clove St. Contd.

Sta.		H.I.	- Lt.	Elev. Stakes Lt.	Gutter Elev. Lt.	0.25 Below Gutter Gr. Cut or Fill	- Rt.	Elev. Stakes Rt.	Gutter Elev. R.	0.25 Below Gutter Gr. Cut or Fill
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INDEXED

INDEXED

517			7.59	132.77	132.74		NE RP	Clovis & Fenelon		
TP.	4.63	140.36	10.79	125.73						
8+35			4.2	142.3	134.07	C 8.2	11.0	135.5	133.83	C 1.7
8+22.5			1.7	144.8	134.90	C 9.9	10.9	135.6	134.50	C 1.1
8+10	No. Line Fenelon		5.8	140.7	135.30	C 5.4	10.2	136.3	134.80	C 1.5
7+75			7.7	138.8	135.75	C 3.0	10.6	135.9	135.40	C 0.5
7+40			4.9	141.6	136.08	C 5.5	9.6	136.9	135.80	C 1.1
7+15			1.7	144.8	136.33	C 8.5	10.1	136.4	135.83	C 0.6
TP.	10.11	146.52	8.24	136.41			146.52			
6+65			3.2	141.5	136.83	C 4.7	9.3	135.4	136.33	F 0.9
6+15			7.9	136.8	137.33	F 0.5	11.5	133.2	136.83	F 3.6
5+65			8.0	136.7	137.83	F 1.1	12.3	132.4	137.33	F 4.9

144.65
/

144.65
/

12-13-48
Hendricks
Bramby
Greer
Rorer

Rough Grades Clove St
Carleton to Fenelon

	+	H +	- R	Elev. Stake	Finish & Gr.	Cuts or Fills
						0.5 Below Finish Gr

INDEXED

5440			7.3		138.17	F0 ³
5405			6.4		138.52	C0 ³
4470			5.3		138.97	C0 ⁹
4445		145.19	4.3		139.92	C1 ³
TP	092	144.94	12.90	144.03		
3495			12.9		143.09	C1 ²
3445			9.7		146.26	C1 ²
2495			6.6		149.42	C1 ³
2470			5.5		150.70	C1 ⁰
2435			2.1		152.05	C2.0
2400			3.6		152.20	C1 ²
1487.5			3.7		152.03	C1 ²
1475			3.9		151.92	C1 ²
1425			5.4		151.58	C0 ²
0475			5.5		151.25	C0 ⁴
0425			6.2		150.92	C0 ⁰
0400			6.4		150.63	C0.1

157.17 H.I. to cuts.
+2.25 Below
156.92

B.M 3.24 153.68 N.W. Mon. Dickens & Clove

INDEXED

817.		12.17	132.77	132.74	112 BP Clove & Fenelon
8135		6.5		134.29	C4 ⁴
8122.5		6.3		134.85	C4 ⁰
8110	No Line Fenelon	6.1		135.20	C2 ⁹
7175		7.7		135.70	C1 ⁸
7140	30 Line	7.4		136.20	C1 ⁶
7115		7.3		136.42	C1 ⁵
6165		8.8		136.92	F0.5
6115		8.7		137.42	F0.9
5165		8.0		137.92	F0.7

145.19

144.94

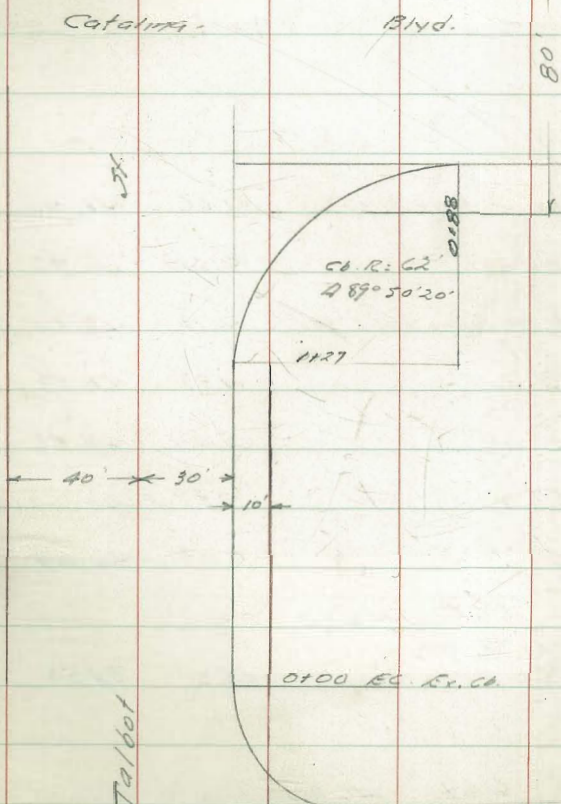
12-15-48 Stake Cb NE 1/4 Cor Talbot & Catalina
 Hendricks
 Bramby
 Greer
 Corer

Elev. Stakes Elev. Cr.

INDEXED

WK
 FEB 25 1949

0100	3.64	257.03	257.24	FO.21
0122	3.43	257.24	257.16	CO.08
0144	3.26	257.41	257.07	CO.34 Catalina
0166	3.01	257.66	256.98	CO.68
EC=0188 on Catalina	2.99	257.68	256.89	CO.79
#3	2.76	257.91	256.79	C1.12
#2	1.73	258.94	256.69	C2.25
#1	1.71	258.96	256.55	C2.41
1+27 BC on Talbot	1.97	258.70	256.25	C2.45
1+02	2.69	257.98	255.84	C2.14
0177	3.47	257.20	255.43	C1.77
0151.34	4.23	256.44	255.01	C1.43
0125.67	5.18	255.49	254.59	CO.90
0100	6.50	254.17	254.17	CO.00
B.M.	0.02	260.67	260.65	



SWLY BB
 Santa Barbara
 & Catalina

Point St.

12.15.48 State Cbs. W Side Everts St
 Hendricks
 Bramby Garnet North to So Line Alley
 Greer
 Rorer

INDEXED

WIK
 FEB 25 1949

Prop. Line So. Line Alley	4.66	41.46	42.24
EC Alley Ret.	4.20	41.92	42.10
1+18.91 BC Alley Ret. 6' Rad.	4.11	42.01	41.92
0+95.13	4.33	41.79	41.44
0+71.35	5.24	40.88	40.95
0+47.57	5.59	40.53	40.47
0+23.79	6.03	40.09	39.98
6.62	46.12		
Cont. on Ex. Cb. Ret.			
0+100 CL Ex. Cb.	6.62	39.58	39.50
BTW.	6.67	46.20	39.53

Felspar

52

Alley

F 0.78

F 0.18

C 0.09

C 0.35

F 0.07

C 0.06

C 0.11

Garnet St

R:6'

1+18.91

Everts

20'

0+00

11 W BR Everts & Garnet

Hendricks
 Bramby,
 Greer
 Corer
 W021018
 12-16-48

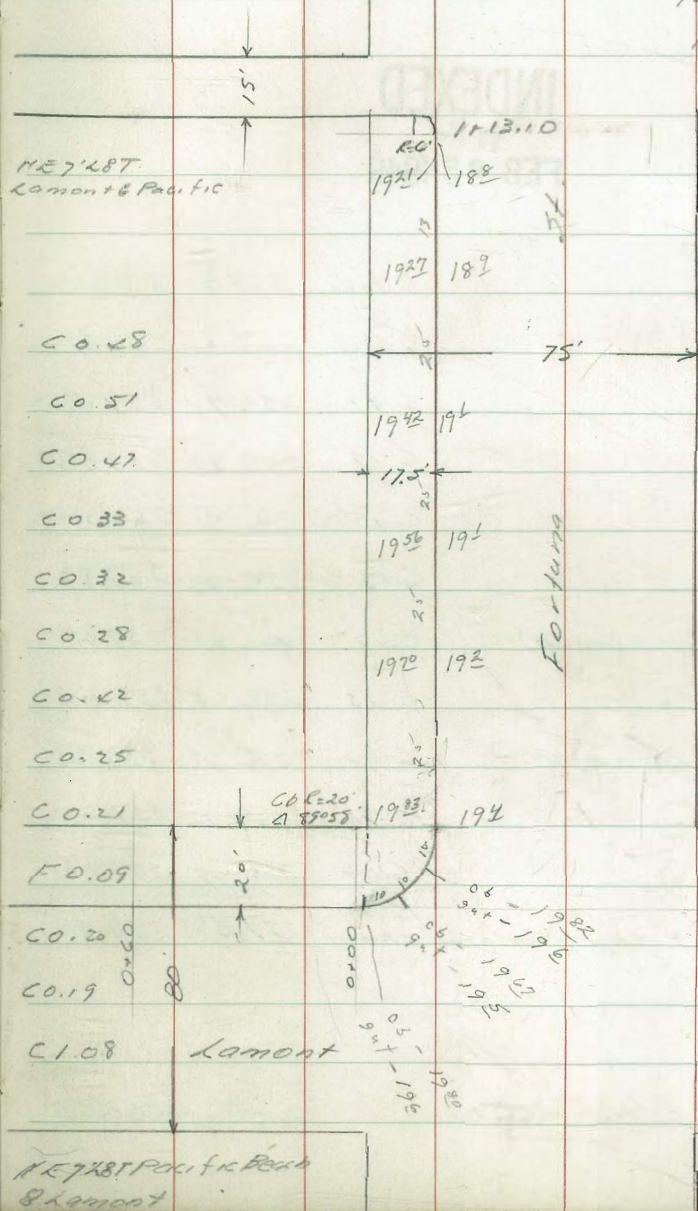
Stake Cbs. Fortuna & Lamont

INDEXED
 WK
FEB 25 1949

B.17		080	35.28	35.28
T.P.	36.08	12.05	4.07	24.03
P.L. Alley		5.13	19.97	19.49
EG Alley Ret		5.23	19.57	19.36
1+13.10	bc. 3' Alley st	5.29	19.81	19.34
0198.52		5.35	19.75	19.42
0173.89		5.21	19.89	19.57
0149.26		5.11	19.99	19.71
0124.63		4.82	20.28	19.96
0100	Cb. EC on Fortuna	4.85	20.25	20.00
#2		4.88	20.22	20.01
#1		5.17	19.93	20.02
0100	Cb. BC Lamont	4.86	20.24	20.04
0130		4.55	20.75	20.56
0160	on Lamont	2.94	22.16	21.08
TP	2.94	25.10	6.49	22.16
TP	2.30	28.65	10.42	26.35
BM	1.49	36.77		35.28

43

23¹³ BM Mend Cobble
 wall
 10758 West
 Lamont
 F82044

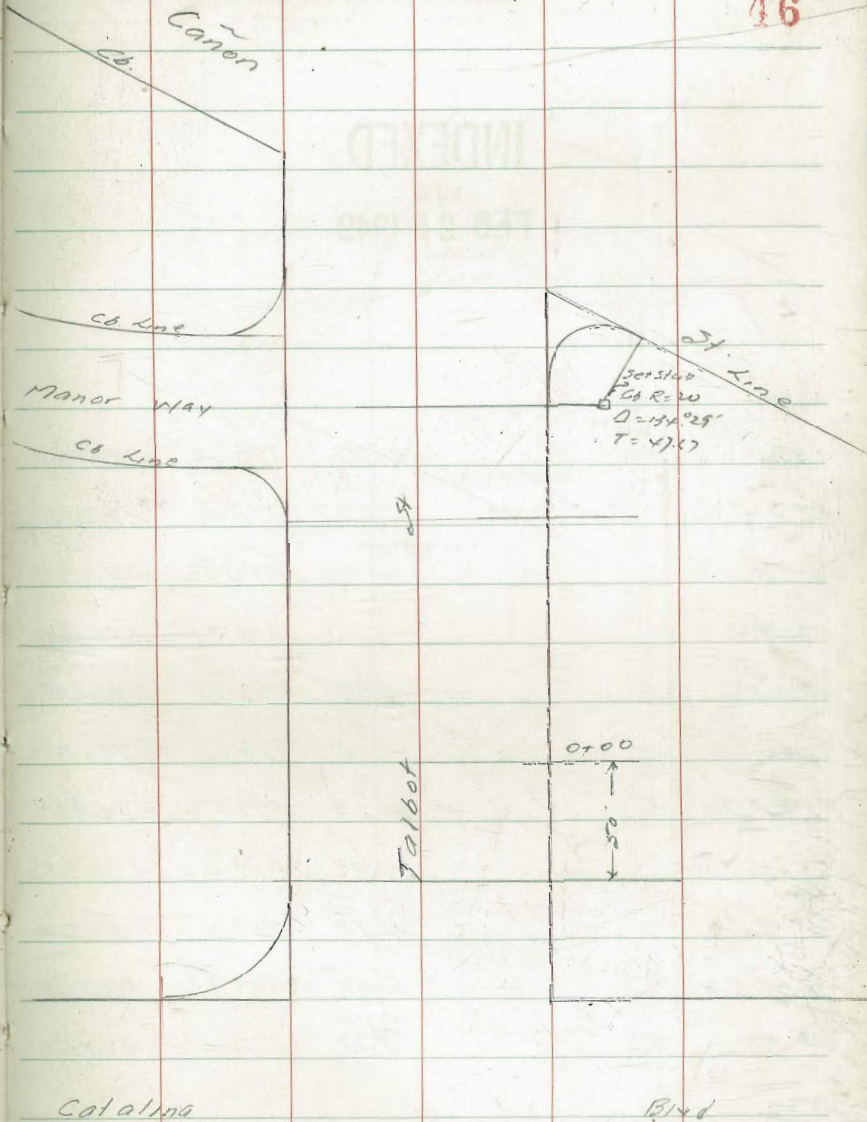


State Rough Grades Talbot St			
Catalina to Cañon			
(Sketch next page)			
			Elev.
12.20.48		7.87	232.97
Hendricks			Elev.
Beambey			E
Greer			
Rorer			
NO 2405			
T.P.	4.04	240.84	13.15
2+60.03	LC Ref on St. Francis Way		236.80
3+40.03	East of 17th St Way		238.48
2+22.03	St. Francis Way		237.45
2+15.68	St. Francis Way		239.99
2+19.07			240.38
2+77.03			243.39
2+60.35			244.86
2+40.35			246.45
2+20.35			247.98
T.P.	0.78	249.95	11.88
2+00.35			249.17
1+80.35			250.32
1+60.35			251.31
1+40.35			252.15
1+20.35			252.80
1+00.35			253.38
0+77.08			253.88
0+38.5x			254.58
0+00			255.27
B.17.	0.40	261.05	260.65

INDEXED
FEB 25 1949

Nail Talbot & Canon				45	
232.95	FB 1761-R50				
- Rod Rt.	Elev. Stake	Elev. Gr	Elev. Gut	Cut. or Fill	Cut. or Fill
	20' Rt.	20' Rt.	30' Rt.	R	20' Rt.
13.2	236.8				
11.8	238.2	238.39	238.01	FO ³	FO ²
10.4	239.6	239.41	239.10	CO ¹	CO ²
8.1	240.1	239.60	238.94	CO ¹	CO ²
		240.38	240.13	FO ³	FO ²
6.6	243.4	243.08	242.50	CO ²	CO ³
5.0	245.0	244.58	244.04	CO ¹	CO ⁴
3.5	246.5	246.21	245.70	CO ²	CO ³
2.1	247.9	247.67	247.19	CO ²	CO ³
11.9	249.2	248.98	248.52	CO ²	CO ³
10.7	250.4	250.13	249.68	CO ¹	CO ³
9.6	251.5	251.12	250.66	CO ²	CO ⁴
8.5	252.6	251.95	251.48	CO ⁴	CO ⁶
7.8	253.3	252.60	252.13	CO ⁵	CO ⁷
6.8	254.3	253.13	252.61	CO ¹	CI ²
6.1	255.0	253.61	253.07	CI ¹	CI ⁴
4.3	256.8	254.33	253.83	C2 ³	C2 ⁵
3.1	258.0	255.06	254.59	C2 ⁷	C2 ⁸
BP. Santa Barbara & Catalina					

INDEXED

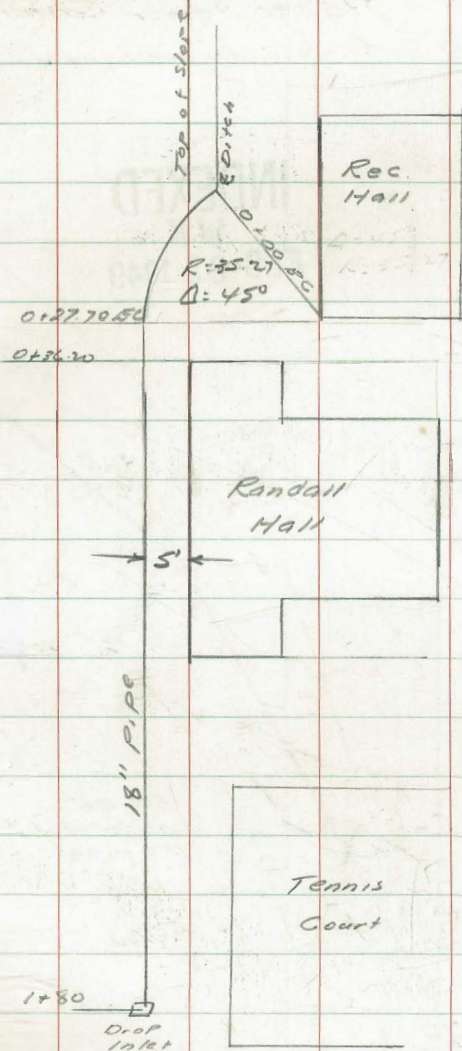


State Drain Encanto Playground

INDEXED

WK
FEB 25 1949

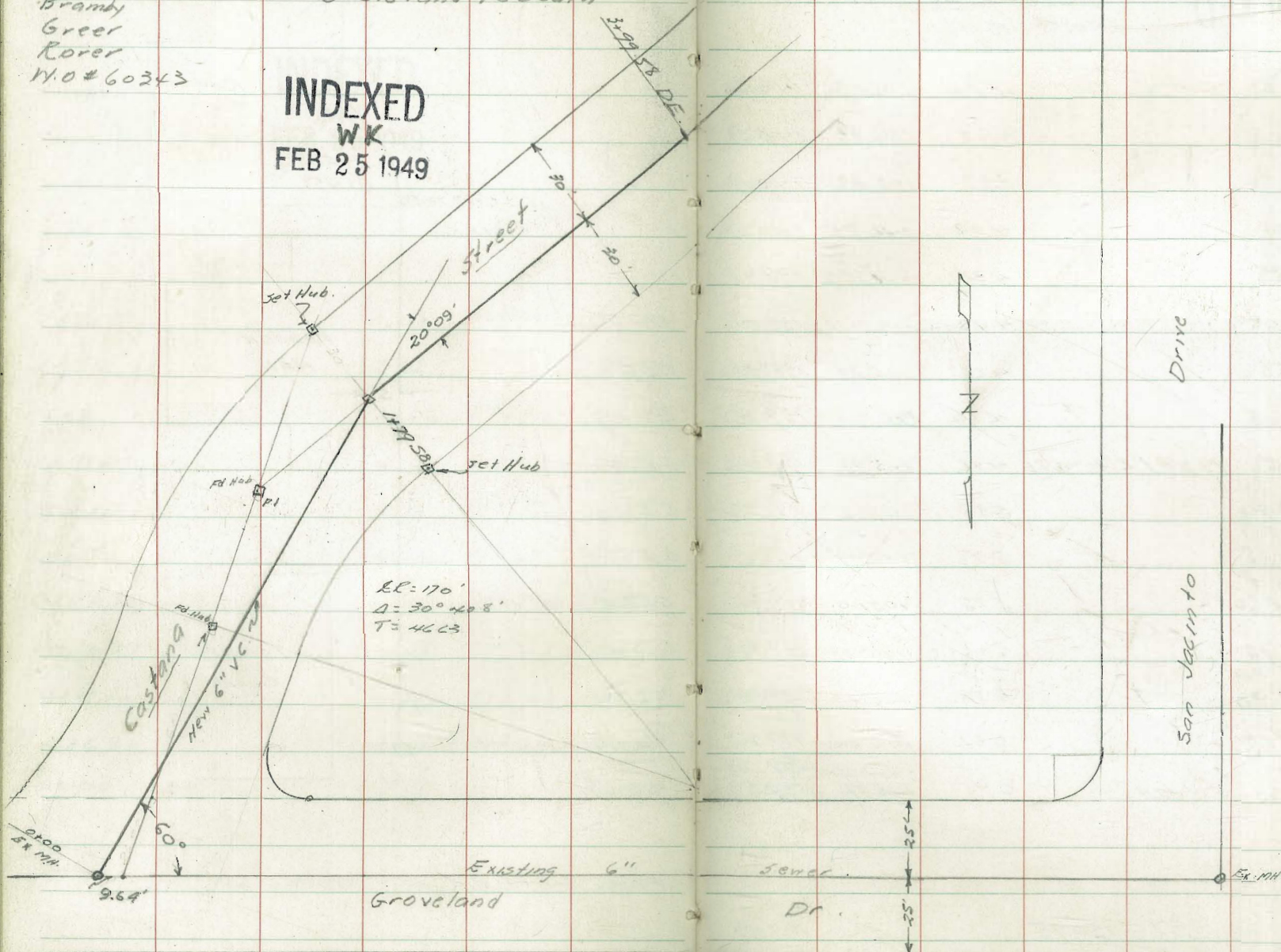
1180		0.08	298.32	292.40	C5.92
1150		2.62	295.78	292.10	C3.68
1125		4.06	294.34	291.85	C2.49
1100		4.62	293.78	291.60	C2.18
0175		4.65	293.75	291.35	C2.40
0150		4.75	293.65	291.10	C2.55
0127.70	EC.	4.88	293.52	290.88	C2.64
0120.77		4.92	293.47	290.81	C2.66
0113.85		4.92	293.48	290.74	C2.74
016.92		5.07	293.33	290.67	C2.66
0100	BC	7.11	291.29	290.60	C0.69
B17		4.74	298.40	293.66	Floor Rec. Bldg.



12-27-48
 Hendricks
 Bramby
 Greer
 Rorer
 W.O # 60343

Stake Sewer Castana St
 from Groveland to South

INDEXED
 WK
 FEB 25 1949



INDEXED

Levels Sewer
Castana St.
Sketch p. 48

Cals Offset

2+99.58	D.E.	4.20	146.75	140.58	6.77'	6' L1
3+72.08		4.02	146.93	140.39	6.54'	"
3+45.58		3.87	147.08	140.19	6.89'	"
3+17.08		4.02	146.93	140.09	6.84'	"
2+89.58		4.32	146.63	139.90	6.73'	"
2+62.08		4.48	146.47	139.71	6.76'	"
2+34.58		4.66	146.29	139.52	6.77'	"
2+07.08		4.84	146.11	139.23	6.88'	"
1+79.58	MH #1 L 20°09' R	4.96	145.99	139.04	6.95'	"
1+53.90		5.38	145.57	138.86	6.71'	"
1+28.25		5.78	145.17	138.68	6.49'	"
1+02.60		5.95	145.00	138.50	6.50'	"
0+76.95		6.06	144.89	138.32	6.57'	"
0+51.30		6.28	144.67	138.14	6.53'	"
0+25.65		6.31	144.64	137.96	6.68'	"
0+00	Ex MH	6.96	143.99	137.58	FL ⁽²⁾ Connection FL Ex MH "	
BM	BM	13.37	150.95	137.58	FL Ex MH.	

12-27-48
Hendricks
Bramby
Greer
Rorer

State Water Services
Clove St Carleton to Fenelon

50

Sta. + H-1 - Elev. Stakes Cb. Elev

INDEXED
WK
FEB 28 1949

817		1260	13276	13274	N.E. BP Clove & Fenelon
7410 FH RT.		8.33	13703	136.55	CO 48
6195 Lt.		7.76	13760	137.20	CO 40
6105 RT.		7.79	137.57	137.70	FO 13
5195 Lt.		7.18	138.18	138.20	FO 02
5145 RT.		7.15	138.21	138.20	CO 01
4125 RT.		4.07	141.29	141.31	FO 02
TP.	0.21	145.36	1175	145.15	
3125 Lt.		9.04	14786	148.11	FO 25
1470 FH RT.		4.64	152.26	151.97	CO 29
1455 Lt.		4.30	152.60	152.37	CO 23
1455 RT.		4.87	152.03	151.87	CO 16
0100 =	NLY Line Carleton				
817	3.22	156.90		15368	N WLY Cor. Clove & Dickens Prop Mon

12-28-48 State Water Services &
 Hendricks Sewer Laterals Fenelon St.
 Bramby Clove to Willow
 Greer (Plan 855-56-57 L) P.L. Elev.
 Corcoran
 WO #3108x

51

Cut P.L.

4+60 (S) #8 RT. 2.76 84.53 77.73 C6.80

4+50 (W) RT
 T.P. 0.30 87.29 13.08 86.99
 4+10 (S) #7 RT 7.54 92.53 85.39 C7.15

4+00 (W) RT
 TP 0.86 100.07 10.37 99.21
 2+90 (S) #4 RT 6.88 102.70 94.86 C7.84

3rd 7' man Plum & Fenelon

2+90 (S) #4 #6 5.39 104.19 94.86 C9.33

2+80 (W) RT

INDEXED

WK

FEB 28 1949

2+25 (W) RT

2+15 (W) RT
 T.P. 0.51 109.58 12.74 109.07
 1+55 (W) RT 12.90 121.33
 T.P. 0.48 121.81 8.70 125.53 117.36 C8.17
 1+10 (S) #4 #5

0+95 (W) RT

0+99.5 (S) #1 LT 9.32 124.91 118.59 C6.34

0+80 (W) LT

0+50 (S) #4 RT 1.43 132.80 124.86 C7.94

0+35 (W) RT

0+00 Elmer Clove St.

N.S.B.P. Clove & Fenelon

B.17 1.49 134.23

132.74

Sewer & Water Laterals
Fenelon St. Contd.

52

INDEXED

B.M.			12.32	51.67	
T.P.	1.04	6399	13.07	62.95	
5+60 (3) RT #10			7.60	68.42	62.43
5+50 (W) RT	0.84	76.02	12.11	75.18	
T.P.					
5+10 (3) #34			12.37	74.92	70.08
5+10 (3) #9RT			10.84	76.45	70.08
5+00 (W) RT					
5+00 (W) LT					

SW.B.P. Fenelon & Willow

65.99

64.84

66.37

8729

12.28.48
Hendricks
Bramby
Greer
Rorer

State 6" C.I. Water Main
Clove St. Carleton to Fenelon

INDEXED

				Elev.	Elev. Btm	
Sta.		H.I.	-	Stakes	Ditch	
5+40	No Line Emerson			137.9	133.58	4.2
5+05	←			138.2	133.93	4.3
4+70	So Line Emerson			138.8	134.38	4.4
4+45				139.6	135.32	4.3
T.P.	1.07	143.31	12.82	142.24		3.8
2+95				142.3	138.50	4.2
3+45				145.9	141.67	4.3
2+95				149.1	144.83	4.0
2+70	No Line Dickens			150.3	146.30	3.8
2+35	←			151.6	147.80	4.1
2+00	So Line Dickens			151.8	147.65	4.5
1+87.5				151.9	147.40	4.6
1+75				151.9	147.32	4.6
1+25				151.6	147.00	4.4
0+75				151.1	146.66	4.3
0+25				150.6	146.33	4.3
0+00	No Line Carleton			150.3	146.00	4.3
BM	1.38	155.06			153.68	

Emerson
offset.

Cuts

NW PL Mon
Dickens & Clove

Carleton

53

5+40

5+

4+70

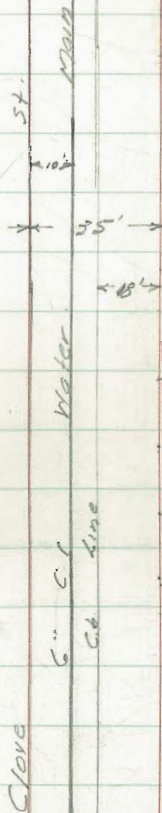
2+70

5+

2+00

0+00

5+



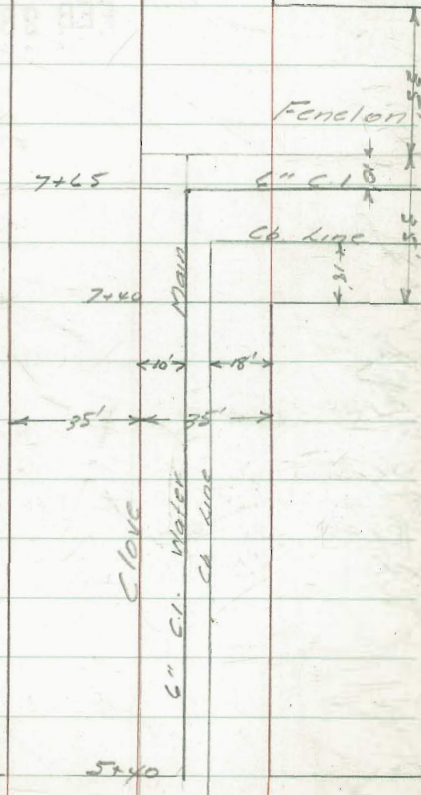
INDEXED

Elev. Btm
Ditch

B. 17	10.52	132.79	132.74	
7+65 Intersection line on Fenelon 7.5		135.8	131.50	4.3
7+40 So. Line Fenelon	7.1	136.2	131.80	4.4
7+15	6.9	136.4	131.83	4.6
6+65	6.7	136.6	132.33	4.3
6+15	6.2	137.1	132.83	4.3
5+65	5.7	137.6	133.33	4.3

143.31

NEAR Clove & Fenelon



12-28-48
 Hendricks
 Bramby
 Greer
 Rorer

State Sewer Clove & Dickens
 (Plan # 6856 & 6857)

55

INDEXED
 WK
 FEB 28 1949

Sta.	+	H.I.	-	Elev. Stakes	Elev. Grade
------	---	------	---	-----------------	----------------

Cuts	offset
------	--------

0+45 D.E.		0.25	154.81	148.35	6.46	6' RT
-----------	--	------	--------	--------	------	-------

0+22.5		3.02	152.04	147.67	4.37	"
--------	--	------	--------	--------	------	---

0+00 Ex. M.H.		8.06 FL.	147.00	(146.93) Plan	4.80	"
---------------	--	----------	--------	------------------	------	---

B.M.	1.38	155.06	147.00	153.68		
------	------	--------	--------	--------	--	--

Dickens

Ex 6" V.C.

Man 6" V.C.

N.W. 1/4
 0010

D.E.
 D.E.

35'

35'

CLOVE



12-31-48
Hendricks
Bramby
Greer
Korer
NO P 31389

Stake Alley Block 57
Ocean Beach
Dwg. No. 7126L

56

Sta		4.1	- Lt	Elev Stake Lt.	Elev Grade Lt.	Cut or Fill Lt	Offsets	- Lt	Elev Stake Lt.	Elev Grade Lt.	Cut or Fill Lt.	Rt Offset		
2+00				5.31	10.50	10.34	CO ¹⁶	✓	5.27	10.54	10.23	CO ³¹	✓	
2+80				5.28	10.53	10.56	FO ⁰³	✓	5.20	10.61	10.47	CO ¹⁴	✓	
2+60				4.21	11.60	10.79	CO ⁸¹	✓	1'	4.72	11.09	10.72	CO ³⁷	✓
2+40				4.19	11.62	11.02	CO ⁶⁰	✓		4.57	11.24	10.96	CO ²³	✓
2+20				4.06	11.75	11.24	CO ⁵¹	✓		4.12	11.69	11.21	CO ⁴⁸	0.50
2+00				3.88	11.93	11.47	CO ⁴⁶	✓		3.93	11.88	11.45	CO ⁴³	0.50
T.P. 1+80	<u>3.17</u>	<u>15.81</u>	<u>5.54</u>	<u>12.64</u>			CO ³⁶	✓		6.09	12.09	11.74	CO ³⁵	1'
1+60				5.46	12.72	12.09	CO ⁶³	✓		5.95	12.23	12.09	CO ¹⁴	✓
1+40				4.91	13.27	12.47	CO ⁸⁰	✓		5.34	12.84	12.47	CO ³⁷	✓
1+20				4.42	13.76	12.86	CO ⁹⁰	✓		5.36	12.82	12.86	FO ⁰⁴	✓
1+00				4.07	14.11	13.24	CO ⁸⁷	✓	0.50'	5.09	13.09	13.24	FO ¹⁵	0.50
0+80				3.70	14.48	13.63	CO ⁸⁵	✓		4.32	13.86	13.63	CO ²³	✓
0+60				3.66	14.52	13.92	CO ⁶⁰	✓		4.04	14.14	13.92	CO ²²	✓
0+40				3.54	14.64	14.00	CO ⁶⁴	✓	1'	4.05	14.13	14.00	CO ¹³	✓
0+20				3.35	14.83	13.88	CO ⁹⁵	✓		3.89	14.29	13.88	CO ⁴¹	✓
0+00	W. Line Cable			4.04	14.14	13.56	CO ⁵⁸	✓		4.02	14.16	13.52	CO ⁶⁴	✓
B.M.	5.13	18.18			13.05		SWBP						Cape May & Cable	

INDEXED
WK
FEB 28 1949

State Alley Block 57
Ocean Beach (Cont'd)

57

Sta.	H.I.	- Lt.	Elev. State Lt.	Elev. Grade Lt.	Cut or Fill Lt.	offset Lt.	- Rt.	Elev. State Rt.	Elev. Grade Rt.	Cut or Fill Rt.	offset
			7.26	6.01	6.01						
			6.95	6.32	5.85						
6100	E One Bacon St.		6.74	6.53	6.22						
5180			6.37	6.90	6.55						
5160			5.94	7.33	6.88						
5140			5.33	7.94	7.21						
5120			5.28	7.99	7.54						
5100			5.21	8.06	7.87						
4980			4.37	8.90	8.20						
4960			4.14	9.13	8.53						
4940			3.88	9.39	8.86						
4920			3.62	9.65	9.20						
4900			3.38	9.89	9.43						
3180			3.20	10.07	9.65						
3160			3.01	10.26	9.88						
3140			<u>3.20</u>	<u>13.27</u>	<u>5.74</u>						
T.P.			<u>5.70</u>	<u>10.07</u>							
3120				10.11	10.11						

CK Top of C6 0-03.5 FR 1747 P 36

CO 47 ✓ 7.24 6.09 5.85 CO 13 ✓

CO 31 ✓ 6.52 6.75 6.02 CO 73 ✓

CO 35 ✓ 5.98 7.29 6.35 CO 94 ✓

CO 45 ✓ 6.05 7.22 6.68 CO 54 ✓

CO 73 ✓ 5.93 7.34 7.01 CO 23 ✓

CO 45 ✓ 5.73 7.54 7.34 CO 20 ✓

CO 19 ✓ 5.42 7.85 7.67 CO 18 ✓

CO 70 ✓ 5.16 8.11 8.00 CO 1 ✓

CO 60 ✓ 4.53 8.74 8.33 CO 44 ✓

CO 53 ✓ 4.17 9.10 8.66 CO 44 ✓

CO 45 ✓ 3.64 9.63 9.00 CO 63 ✓

CO 46 ✓ 3.51 9.76 9.25 CO 51 ✓

CO 42 ✓ 3.61 9.66 9.49 CO 17 ✓

CO 38 ✓ 3.23 10.04 9.74 CO 30 ✓

CO 00 ✓ 5.27 10.34 9.98 CO 26 ✓

1581

12.31.48
 Hendricks
 Bramby
 Greer
 Rorer
 WO# 21018

State Sidewalk Lot 6" B1K25
 Mission Beach

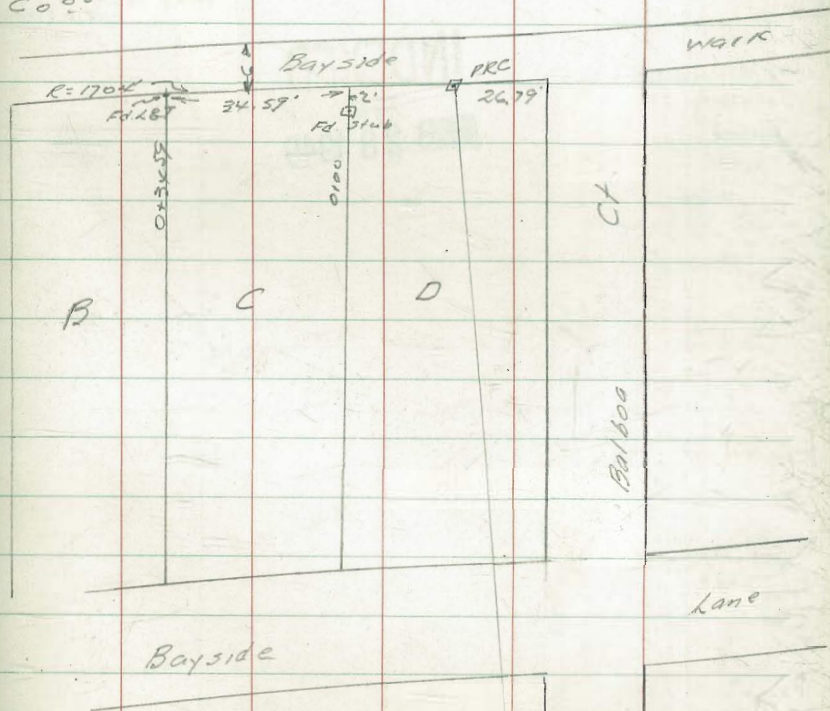
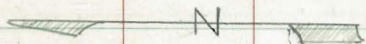
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Ex.
 - Red Sidewalk

INDEXED

WK
 FEB 28 1949

0+34.59	4.43	5.04		COE!
0+17.3	4.56	5.10		COSE
0+00	5.20	5.20	meat Ex. Walk	COO°



25425	25452	25450	3174.19
7.51	7.24	7.26	

25480	25507	25505	3139.92
6.96	6.69	6.71	

25511	25538	25535	3119.92
6.65	6.28	6.41	

25540	25566	25562	2199.92
6.36	6.10	6.14	

25566	25591	25591	2129.92
6.10	5.55	5.55	

25588	25612	25606	2159.92
5.85	5.64	5.70	

25607	25629	25621	2139.92
5.69	5.47	5.58	

25632	25639	25632	2119.92
5.39	5.37	5.44	

25638	25641	25634	2114.92
5.39	5.35	5.44	

For R=25

D = 90°09'40"

25650	25643		1173.54
5.26	5.33		

261.59

25634
5.35
5.35

1179.75

25076	25104	25101	5182.43
5.04 /	4.76 /	4.79 /	61

25120	25148	25145	5165.15
4.60 /	4.22 /	4.25 /	

25164	25191	25188	5157.87
4.16 /	3.89 /	3.92 /	

25208	25235	25232	5140.59
3.72 /	3.45 /	3.48 /	

25252	25278	25275	4183.31
3.28 /	3.02 /	3.05 /	

25296	25322	25319	4152.08
2.84 /	2.58 /	2.61 /	

25340	25365	25362	4128.75
2.40 /	2.15 /	2.18 /	

TP 1.74 255.63 7.70 253.89

261.59

25384	25409	25406	4101.47
7.92 /	7.67 /	7.70 /	

248.11 247.88 7.92	248.32 7.49	248.47 7.22	8152.67 62
248.19 247.97 7.83	248.50 7.40	248.54 7.26	8126.67
248.27 248.06 7.74	248.48 7.32	248.60 7.20	8116.67
248.37 248.16 7.68	249.58 7.22	248.71 7.09	7196.67
248.49 248.27 7.51	248.70 7.10	248.78 7.02	7176.67
248.65 248.47 7.33	248.86 6.94	248.86 6.84	7156.67
248.80 248.71 7.09	249.06 6.74	249.10 6.70	7136.67
248.95 6.85	249.27 6.52	249.30 6.50	7116.67
249.24 6.52	249.50 6.30	249.49 6.31	6196.67
249.57 6.23	249.83 5.97	249.82 5.98	6171.83
249.88 5.92	250.17 5.63	250.14 5.66	6146.99
250.32 5.28	250.61 5.19	250.58 5.22	6119.71

25563

1-3-49
Hendricks
Bramby
Greer
Rorer
NOV 31 280

State Alley Block 4 Terrace
for Paving

(Resub. Lots 7-17, Blk. N, Terrace)

63

			Elev.	Elev.
		Stakes Lt.	Gr. Lt.	
3+75.00	Meet. E. Av.	2.35	368.33	368.21
3+48.50		3.85	367.83	367.72
3+22.00		4.58	367.10	367.24
2+95.50		4.90	366.78	366.75
2+69		5.59	366.09	366.27
2+49		5.89	365.79	365.91
2+29		6.18	365.50	365.57
2+01		6.52	365.16	365.11
7P	6.42	371.68	3.31	365.26
1+73			3.82	364.75
1+45			4.37	364.20
1+17			4.98	363.59
0+89			5.68	362.89
0+69			6.20	362.37
0+49			7.25	361.32
0+29			8.17	360.40
0+09			9.06	359.51
0+00	No Line Paik			359.37
B.M.	9.15	368.57		359.42

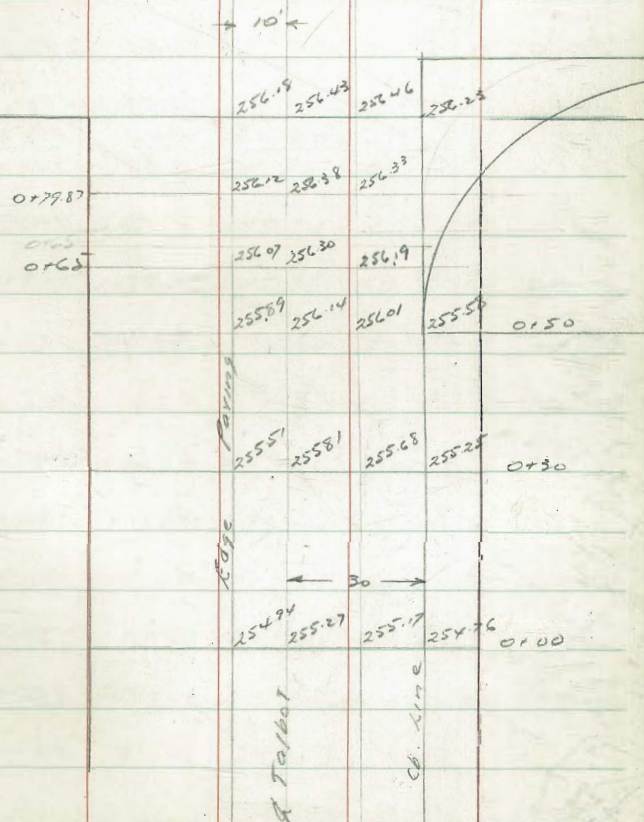
INDEXED
WK
FEB 28 1949

Cut or	Offset	- Rt.	Elev.	Elev.	Cut or	Offset
Fill Lt.			Stakes Rt.	Gr. Rt.	Fill Rt.	
Meet.		3.21	368.47	368.51	Meet.	2°
CO ¹¹	2°	3.29	368.39	368.02	CO ³⁷	0°
FO ¹⁴	✓	"	3.82	367.85	CO ³¹	3°
CO ⁰³	✓	"	4.18	367.50	CO ¹⁵	2°
FO ¹⁸	✓	"	5.13	366.55	FO ⁰²	"
FO ¹²	✓	"	5.23	366.45	CO ²⁴	"
FO ⁰⁷	✓	"	6.12	365.56	FO ³¹	"
CO ⁰⁵	✓	"	6.10	365.58	CO ¹⁷	"
CO ¹¹	✓	4.0'	3.07	365.50	CO ⁵⁶	0°
CO ⁰³	✓	2.0'	3.79	364.79	CO ³¹	2°
FO ¹¹	✓	"	4.39	364.18	CO ¹⁸	"
FO ¹⁴	✓	"	4.72	363.85	CO ³²	"
FO ³⁵	✓	"	6.03	362.54	FO ¹⁸	✓
FO ⁵⁵	✓	"	6.26	362.31	CO ¹⁴	"
FO ¹⁴	✓	"	6.63	361.94	CO ⁸⁰	"
FO ³⁰	✓	"	7.56	361.01	CO ⁹⁰	"
				359.78		
West Cb. of Alley No Prop Line Paik FB 1515 P.3						

1-5-49 Stake Talbot St.
Hendricks Catalina to East.
Bramay
Greer
Rorer.

INDEXED

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1-6-48
Hendricks
Bramby
Greer
Rorer
NO# 31094

Stake Alley Block 7
City Hts.
(for paving)
(DWG 7002-L)
H.I. - Lt Stake Lt Gr. Lt

INDEXED
WK
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			Elev	Elev	
			Stake Lt	Gr. Lt	
512					
4+40		4.62	300.56	299.22	
4+10		5.24	299.94	298.77	
3+80		6.04	299.14	298.31	
3+50		6.67	298.51	297.86	
3+20		7.44	297.74	297.41	
2+90		7.43	297.75	296.95	
T.P.	8.77	305.18	294.4	296.39	
2+60		1.35	297.48	296.50	
2+30		1.76	297.07	296.04	
2+00		2.58	296.25	295.58	
1+70		3.37	295.46	295.13	
1+40		3.28	295.55	294.67	
1+10		3.74	295.09	294.22	
0+80		4.24	294.59	293.76	
0+50		4.24	294.59	293.17	
0+20		4.95	293.88	292.30	
0+00	No line Maple	7.29	291.54	291.55	
		7.67	298.83	7.45	291.16
B.M.	349	298.61		295.12	

Cut or		Elev.	Elev.	Cut or	
Fill Lt.	- Rt.	Stake Rt	Gr. Rt	Fill Rt.	
C1 ³⁴	/	5.95	299.23	298.92	CO ³¹
C1 ¹⁷	/	6.49	298.69	298.47	CO ²²
CO ⁸³	/	6.95	298.23	298.01	CO ²²
CO ⁶⁵	/	7.44	297.74	297.56	CO ¹⁸
CO ³³	/	8.02	297.16	297.11	CO ⁰⁵
CO ⁸⁰	/	8.68	296.50	296.65	FO ¹⁵
CO ⁹⁸	/	2.69	296.14	296.20	FO ⁰⁶
C1 ⁰³	/	3.20	295.63	295.74	FO ¹¹
CO ⁶⁷	/	3.79	295.04	295.28	FO ²⁴
CO ³³	/	4.07	294.76	294.83	FO ⁰⁷
CO ⁵⁸	/	4.40	294.43	294.37	CO ⁰⁶
CO ⁸⁷	/	4.50	294.33	293.92	CO ⁴¹
CO ⁸³	/	5.22	293.61	293.46	CO ¹⁵
C1 ⁴²	/	5.25	293.58	292.87	CO ⁷¹
C1 ⁵⁸	/	6.26	292.57	292.00	CO ⁵²
		7.50	291.33	291.33	
SEDP Boundary & Maple					

State Alley Block 7

City Hts. Cont'd

Sta.		H.I.	- Lt.	Elev. Stake Lt.	Elev. Gr. Lt.	Cut or Fill Lt.	- Rt.	Elev. Stake R.	Elev. Gr. Rt.	Cut or Fill Rt.
------	--	------	-------	-----------------	---------------	-----------------	-------	----------------	---------------	-----------------

INDEXED

5.82 299.32 299.38

NEBP Cooper & Boundary

6+20²² 20 line Cooper

8.88 296.26 296.25

Ex. Pav. 9.75 295.38 295.37 Ex Pav

6+10

5.19 299.95 296.74

C3.21 - 6.39 298.75 296.44 C 2.31 -

5+95

4.88 300.26 298.16

C2.10 - 5.86 299.28 297.86 C1.42 -

5+80

4.61 300.53 299.19

C1.84 - 5.60 299.54 298.89 C0.65 -

5+65

4.32 300.82 299.84

C0.98 - 5.41 299.72 299.54 C0.19 -

5+50

3.91 301.23 300.10

C1.13 - 5.21 299.92 299.80 C0.13 -

TP

4.91

305.14

4.95 300.23

5+30

3.90 301.28 300.15

C1.13 - 5.44 299.74 299.85 F0.11 ✓

5+10

3.77 301.41 300.10

C1.31 - 5.38 299.80 299.80 C0.00 ✓

4+90

4.14 301.04 299.95

C1.09 - 5.46 299.72 299.65 C0.07 ✓

4+70

4.09 301.09 299.69

C1.40 - 5.68 299.50 299.39 C0.11

305.18

Stake Curbs No. 5, side Evergreen
Lyttori to shadow lawn

SEE PAGE 13

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2446.08		3.26	62.18	59.60	C 2 <u>58</u>
2427.57		3.67	61.77	59.69	C 2 <u>09</u>
2409.06		4.16	61.28	59.76	C 1 <u>52</u>
1490.55	B.C.	4.26	61.18	59.84	C 1 <u>34</u>
1474.12		3.75	61.69	59.95	C 1 <u>74</u>
1450.43		3.64	61.80	60.06	C-1 <u>74</u>
1426.74		3.36	62.08	60.17	C-1 <u>91</u>
1403.05		3.44	62.00	60.28	C 1 <u>72</u>
0479.36		4.27	61.17	60.39	C 0 <u>78</u>
0455.67		4.15	61.29	60.47	C 0 <u>82</u>
0443.44		2.67	62.77	60.64	C 2 <u>13</u>
0440.86	E.C. Lyttori & Evergreen	2.62	62.82	60.68	C 2 <u>14</u>
0424.41		1.64	63.80	60.87	C 2 <u>93</u>
0407.96		1.45	63.99	61.08	C 2 <u>91</u>
0-08.49		1.66	63.78	61.28	C 2 <u>50</u>
0-24.94		2.35	63.09	61.49	C 1 <u>60</u>
0-41.39		2.86	62.58	61.69	C 0 <u>89</u>
0-57.84	B.C.			61.90	

INDEXED

WIK
FEB 28 1949

B. M. 5.72 65.44
59.72

10' L & T S.W. Cor. Evergreen & shadow lawn

Stake Curbs No. 5. Side Evergreen
Lytton to Shadowlawn (Cont'd)

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INDEXED

B.M.		4.28	61.16	61.16*	S.W.B.P. Lytton & Evergreen
3429.67		6.18	59.26	58.85	C 041
3419.54		6.40	59.04	59.12	F 008
3401.63	E.C. Shadowlawn	5.68	59.76	59.33	C 043
2483.10		5.62	59.82	59.43	C 039
2464.59		5.45	59.99	59.52	C 047

65.44
2

Stake Curb Return No. Cor. Intersection
Evergreen & Shadowlawn Sts.

INDEXED
WIK
FEB 28 1949

INDEXED

B.M.		4.06	59.72	59.72 *	10' L&T S.W. Cor. Evergreen & Shadowlawn
0+63.85	E.C. curb (Shadowlawn)	4.71	59.07	56.57	C 2 <u>50</u>
0+51.08		4.76	59.02	57.40	C 1 <u>62</u>
0+38.31		4.74	59.04	58.12	C 0 <u>92</u>
0+25.54		4.77	59.01	58.68	C 0 <u>33</u>
0+12.77		4.51	59.27	58.94	C 0 <u>33</u>
0+00	B.C. on Evergreen	4.68	59.10	58.97	C 0 <u>13</u>
B.M.	4.06	<u>63.78</u>		59.72	10' L&T S.W. Cor. Evergreen & Shadowlawn

1-18-48
Hendricks
Bramby
Greer

State Cbs & Grading
Shadowlawn St.

(Plan 68802 to 68832)

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Sta		H.I	-Lt.	Elev. Stake Lt	Elev. Gr. Lt	Cut or Fill Lt	-Rt	Elev. Stake Rt	Elev. Gr. Rt	Cut or Fill Rt
-----	--	-----	------	----------------	--------------	----------------	-----	----------------	--------------	----------------

INDEXED

B.17.			3.13	59.72	59.72	CK Starting B.17.				
T.P.	11.57	62.85	2.17	51.28						
4+54.57			18.7	34.8	49.65 _{cut}	F14.7	7.3	58.1	50.15 _{cut}	C7.9
4+30.24			15.7	37.8	51.68 _{cut}	F13.9	5.7	59.7	52.18 _{cut}	C7.5
4+05.91			12.3	41.2	53.71 _{cut}	F12.5	6.1	59.3	54.21 _{cut}	C5.1
3+81.58	End Cb Lt		6.69	46.76	56.07 _{cut}	F9.31	6.28	59.07	56.57 _{cut}	C2.50
3+73.54			4.69	48.76	56.62 _{cut}	F7.86				
T.P.	<u>0.99</u>	<u>53.45</u>	12.89	<u>52.46</u>				↑ H.I 65.35		
3+55.54			11.48	53.87	57.80 _{cut}	F3.92				
3+37.54			6.68	58.67	58.63 _{cut}	C0.04				
3+29.67	P.L. BC		6.10	59.25	58.85 _{cut}	C0.40				
B.M.	5.63	<u>65.35</u>			59.72					10' L&T SW Cor. Evergreen & Shadowlawn

1-19-49
Hendricks
Bramby
Greer
W/O

State HECb Ret.
Seville & Evergreen
Plan 6877 & 667792

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INDEXED
WK
FEB 28 1949

EC on Seville	6.97	56.00	56.00	OK Ev. Ch
#3	6.83	56.14	55.75	CO 39
#2	7.15	55.82	55.50	CO 32
#1	7.41	55.56	55.25	CO 31
BC On Evergreen	7.62	55.35	55.00	CO 35
- 15.04 East on Evergreen	8.18	54.79	54.59	CO 20
- 30 (old ch) " " "	8.89	54.08	54.09	OK Ev Ch
B17	3.25	62.97	59.72	

10' L&T 5th Cor. Evergreen & Shadow Lawn 1730-1731

1-26-49 Stake N.W. Co. Return
Hendricks Madrid & Rosecrans
Bramby
Greer
1104
(Plan 6878-L)

INDEXED
WK
FEB 28 1949

CK 3.05 13.87 13.88

EC on Rosecrans 6.21 10.71 11.56

#2 6.11 10.81 11.72

#1 5.69 11.23 11.90

B.C. on Madrid 4.93 11.99 12.25

B.M 4.50 16.92 12.42

CK EC Co. Ret. Part 45
FB1744 P.70

FO⁸⁵

FO⁹¹

FO⁶⁷

FO²⁶

Top of End Co. Lt. 6+25. FB1744 P.69

1-27-49
Hendricks
Brandy
Greer

Re-State Ch. Ret.
Lytton & Evergreen
(see p. 67 for original)

INDEXED
WK
FEB 28 1949

EC on Lytton	2.63	62.05	61.90	Ex C6.
#5	4.14	61.54	61.69	FO ¹⁵
#4	4.61	61.07	61.59	FO ¹²
#3	4.81	60.87	61.28	FO ⁴¹
#2	4.63	61.05	61.08	FO ⁰³
#1	4.73	60.95	60.87	CO ⁰⁸
BC on Evergreen	5.04	60.64	60.68	FO ⁰⁴
Br7	4.52	65.68	61.16	SWBP Lytton & Evergreen

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2-1-49 Stake Water Services
 Hendricks & Sewer Laterals
 Bramby Sterne St Willow to Plum
 Greer
 Rorer
 WO # 31413

(Co grade
 water ser)

2+90	Sewer #1	8.77	165.40	158.20	Prop line	C7.20
2+82		8.43	165.74	163.68		C2.06
2+78		8.43	165.74	163.75		C1.99
2+40	Sewer #2	7.92	166.25	159.69	"	C6.56
2+32	INDEXED WIL FEB 28 1949	7.70	166.47	164.96		C1.51
2+28		7.82	166.35	165.10		C1.25
1+90	Sewer #3	6.89	167.28	161.39	"	C5.89
1+82	}	6.57	167.60	166.66		C0.94
1+78		6.57	167.60	166.80		C0.80
1+40	Sewer #4	2.91	171.26	163.09	"	C8.17
1+32	}	5.33	168.84	168.36		C0.48
1+28		5.19	168.98	168.50		C0.48
0+92	Sewer #5	3.94	170.23	164.79	"	C5.44
0+82	}	3.73	170.44	170.06		C0.38
0+78		3.69	170.48	170.20		C0.28
0+00	No. Line Millort					

B.17 2.55 $\frac{174.17}{\lambda}$

171.62

5x15' L&T. Willow & Sterne

2-2-49 State Water Services &
 Hendrick Sewer Laterals Russell St
 Brombs (Plum to North)
 Greer (Plan 7232 L)
 Rorer

T.P.		2.66	164.67	164.65
1485.3	Sewer #7	14.41	162.92	155.58
1477.3	INDEXED WIK FEB 28 1949	8.73	158.60	161.58
1473.3		8.04	159.29	162.02
1440		Lt Sewer #8	6.58	160.75
T.P.	2.23	167.33	10.16	165.10
1440	Rt Sewer #11	5.87	169.39	161.01
1432	Rt	7.69	167.57	166.74
1428	Rt	7.36	167.90	167.09
1432	Lt	10.22	164.94	166.24
1428	Lt	10.16	165.10	166.59
0490	Sewer #9	6.80	168.46	164.25
0482		5.69	169.57	169.72
0478		5.33	169.93	169.92
0445	Sewer #10	4.38	170.88	166.06
0432		2.22	173.04	171.42
0428		1.84	173.42	171.46
0100	No. line Plum			
T.P.	3.02	175.26	0.37	172.24
BIM	11.28	172.61		161.33

OK W. Edge Driveway 35' Rt 2-04 FB1830 25
 F2.66
 F2.98
 F2.79
 C0.24
 C8.38
 C0.83
 C0.81
 F1.30
 F1.49
 C4.21
 F0.15
 C0.01
 C4.82
 C1.62
 C1.96
 S.W.B.P. Willow & Russell

2-3-49
Hendricks
Bramby
Greer
Korer

State Ex. Water Services
on Stearne St. Willow to Plum

6

INDEXED

INDEXED

		4.75	165.74	165.74	CR Stub 2182 on Rt P-74
2162 } 2158 }		5.57	164.92	164.06	C0.86
		5.36	165.13	164.14	C0.99
2142 } 2138 }	Lt.	4.50	165.99	164.75	C1.24
		4.46	166.03	164.88	C1.15
1169 } 1165 }	Lt.	3.57	166.92	166.89	C0.03
		3.51	166.98	167.02	F0.04
0100 W line Willow					
B17	N02	170.49		166.47	on stub Rt 2132 P-74

2-3-49

Stake Ex. Water Services
Russell St Plum to North

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INDEXED

1470	} R1	12.62	164.14	162.89	C1.25
1466		12.22	164.54	163.33	C1.21

1432	} R1	9.23	167.53	166.74	C0.79
1428		8.86	167.90	167.09	C0.81

0172	} R1	5.06	171.70	170.68	C1.02
0168		5.08	171.68	170.85	C0.83

17' on Curve		4.00	172.76	172.19	C0.57
21' on Curve		3.90	172.86	172.19	C0.67

0100 W Line Plum

BM 152 176.76

175.24

Top FH Plum 8 - Russell

Stake & Water Services
On Russell Plum to Willow

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INDEXED

		7.21	169.55	169.57	CK Stub 0+82 on Lt P. 76
2139	} Rt.	1386	162.90	162.25	C0.65
2135		1367	163.09	162.30	C0.79
1+88	} Rt.	12.00	164.76	163.60	C1.16
1+84		11.60	165.16	163.74	C1.42
1+39	} Rt.	10.54	166.24	165.51	C0.73
1+35		10.10	166.66	165.68	C0.98
1+01	} Rt.	9.01	167.75	167.20	C0.55
0+97		9.11	167.65	167.37	C0.28
0+52	} Rt.	5.86	170.90	169.22	C1.68
0+48		5.56	171.20	169.39	C1.81
1+36	} Lt.	11.57	165.19	165.45	F0.26
1+32		11.36	165.40	165.63	F0.23
0+26 on Curve	} Lt.	5.41	171.35	171.28	C0.07
0+22 on Curve		5.19	171.57	171.15	C0.42

0100 East Line Plum

1317 1.52 176.76

175.24

Top FH Plum & Russell

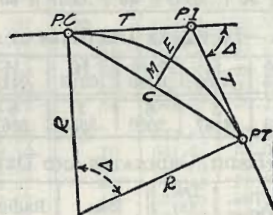
INDEXED

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- 50 Stake Water Services Clove St.
Carlton to Fenelon
- 51-52 Stake Water Services & Sewer Laterals
Fenelon St. Clove to Willow
- 53-54 Stake Water Main Clove St. Carlton to Fenelon
- 55 Stake Ext Sewer Clove & Dickens
- 56-57 Stake Alley Block 57 Ocean Beach
- 58 Stake Sidewalk Lot "C" Bldgs Mission Beach
- 59-62 Stake Paving Catalina & Talbot
- 63 Stake Alley Block 4 Teraltg
- 64 Stake Talbot St. Catalina to East
- 65-66 Stake Alley Block 7 City Hts.
- 67-70 Stake Cbs Evergreen St. Lytton to Shadow Ln
- 71 Stake N.E. Cb. Ret. Seville & Evergreen
- 72 Stake N.W. Cb. Ret. Madrid & Rosecrans
- 73 - Restake Cb. Ret. Lytton & Evergreen
- 74-78 Stake Water Services & Sewer
Laterals Russell & Stearne Sts.
Willow to Plum

DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES

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CURVE FORMULAS

Radius $= R = \frac{50}{\sin \frac{D}{2}} (1)$ 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° curve $T = 3454.1$ and $\div 8\frac{1}{3} = 414.49$ 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 $= 158 -$ Sta. P. C. $= 54.50$, hence offset $= 7.27 (54.50 \div 100)^2 = 2.16$ 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.

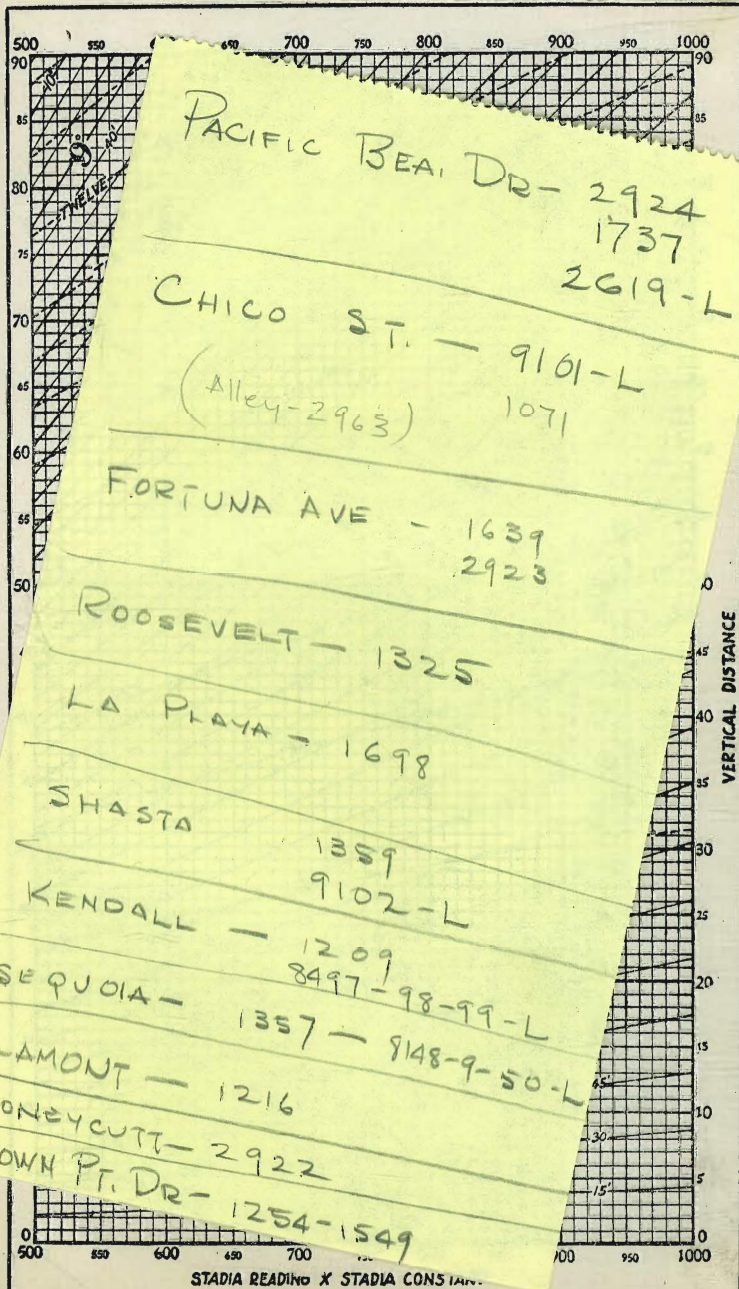
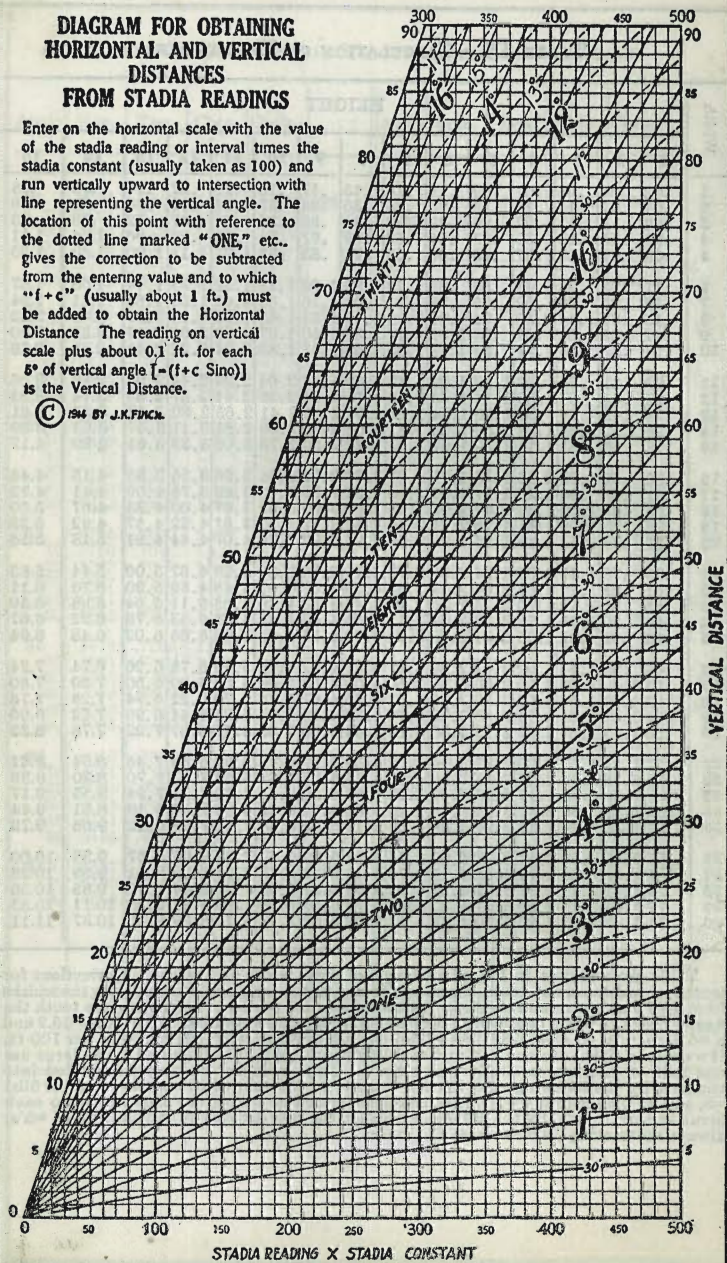
Deflections.—Deflection angle $= \frac{1}{2} D$ for 100 ft., $\frac{1}{4} D$ for 50 ft., etc. For c ft. $= (\text{in minutes}) .3 \times C \times D^\circ$ or $= \text{defl. for 1 ft. from Table III} \times C$. For Sta. 158 of above curve $= .3 \times 54.5 \times 8\frac{1}{3} = 136.2''$ or $2^\circ 16.2'$, 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° curve $E = 960.6$ for $8^\circ 20' = 960.6 \div 8\frac{1}{3} = 115.27$ 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 $D = 5^\circ 30'$.

**DIAGRAM FOR OBTAINING
HORIZONTAL AND VERTICAL
DISTANCES
FROM STADIA READINGS**

Enter on the horizontal scale with the value of the stadia reading or interval times the stadia constant (usually taken as 100) and run vertically upward to intersection with line representing the vertical angle. The location of this point with reference to the dotted line marked "ONE," etc., gives the correction to be subtracted from the entering value and to which " $f+c$ " (usually about 1 ft.) must be added to obtain the Horizontal Distance. The reading on vertical scale plus about 0.1 ft. for each 5° of vertical angle [$-(f+c \text{ Sino})$] is the Vertical Distance.

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PACIFIC BEACH DR - 2924
1737
2619-L

CHICO ST. - 9101-L
(Alley-2963) 1071

FORTUNA AVE - 1639
2923

ROOSEVELT - 1325

LA PLAYA - 1698

SHASTA 1359
9102-L

KENDALL - 1209

SEQUOIA - 8997-98-99-L
1357 - 9148-9-50-L

LAMONT - 1216

HONEYCUTT - 2922

CROWN PT. DR - 1254-1549

STADIA READING X STADIA CONSTANT

5 972

406

6 378

5897

481

Handwritten calculations and notes on the left page of the notebook. Includes numbers like 305, 246390, 2795, 569, 6378, 4468, 5.910, 41786, 11.91, 176, 11.47, 1367, 329, 1.12, 41, 2432, 65, 2.04, 1167, 46, 137, 28, 142, 19, 147, 800, 15095, 6568, 286, 41.7, 6.25, 2.88, 6.282, 41.90, 1.92, 3.53, 2.62, 144.57, 6.28, 6.068, 2.14, 5972, 406, 6378, 225.11, 22.66, 345, 254.7, 17575, 3507, 21482, 263.7, 63, 217.8, 5897, 4.81.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½
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 $41.9 + (20 - 16) \div 2$ or 2 ft. added to 41.9 = 43.9. For slopes of 1 on 1 see inside of front cover.

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