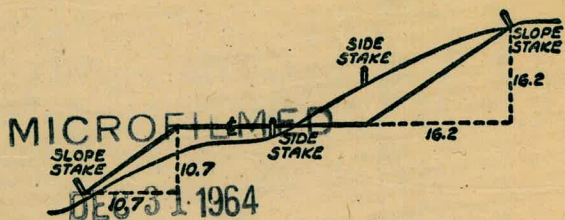


2100

TRAVEL BOOK



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

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

INDEXED

through page #52

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

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

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

FOR TANGENTS ADD

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

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.032	.037	.043	.049	.053	.057	.061
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.771	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.286	.383	.480	.578	.678	.777	.877	.977	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

Index also P-79

1. Field Check Medina Terrace

P.L. 1107 & 1108

3-21 Proposed Sewer (C.S. Bond property)

Sewer crossing of Camino Del Rio 22

from existing Mission Valley Trunk Sewer

Sewer south of Camino Del Rio "C" Line 28

Bench levels along 54th - Federal to 30

Chollas Road

Bench levels - Federal - 47th to Euclid 32

Check tops of curbs at s.w. ret. Winslow 33

Dwight

X- Sec. 52nd - Westwood Hills to Clearview 34

Survey for proposed drain Thru Blk. 1, 43

N. of Market - Boundary & Quail

Survey to extend culvert in California 46

Vine to Walnut

X- Sec. Open ditch from Santa Fe Railway 49

to culvert in California and Vine

X- Sec., Sea Breeze, Cumberland to hauler 50
(Paradise Hills)

X- Sec. Alley Blk 3 Wilshire Pl 53

SUBSET CLIFFS BLVD + MONACO ST, PROPOSED 61
PUMP STATION GRID LEVELS - 1826-D-

Fire Sta. Blk 155 Middletown - Kettner 64
Blv

D. Smith
E. Gregory
F. Sherman
G. Cota

W0# 23140

7-5-50

Field Check Medina

Terrace

(Exterior Only)

Field Log Map
LS 1280

1053.02 (1055.02
reclaimed)
1054.94

Field Log Map
LS 1280
300'
29.98
0.06

Has been
hit by
LS 1280

INDEXED
W.K.
JUN 19 1950

804.90 (804.92
reclaimed)
805.00

805.00' (804.92
reclaimed)
804.90
H.I. ST
45' 11" H

Not in
90° 00'
Field Log Map
REK 504

1055.02

Catalina Blvd.

1054.94
(1055.02
reclaimed)

2nd Payment
383.83
384.02

89° 59'
Field Log Map
REK 504

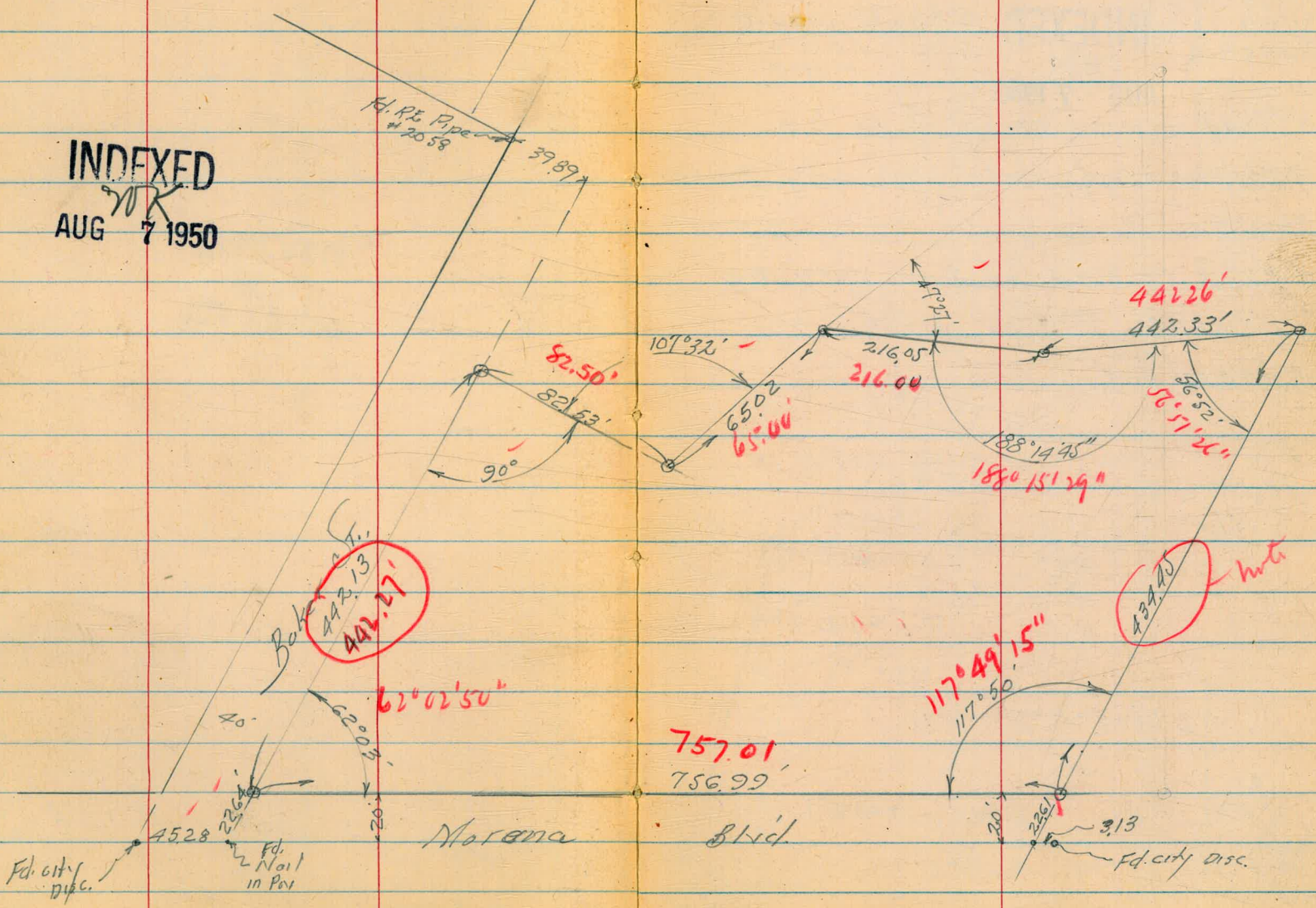
~ BAY PARK VISTA ~

UNIT NO 1 ~ Check on

Exterior Boundary

Walker
Pope
R. Sisson
7-24-50

INDEXED
AUG 7 1950



Proposed Sewers

C.S. Bond - Property

P.L. 1107 + P.L. 1108 8-4-50

Sommerville

NO 62195

Begg

Allen

Bunch

INDEXED

sheet 1064-D

FB 1670

v 1703

AUG 7 1950

A' Line - 0+00 to 1+56⁸ to be incorporated into S.O. City sewer system.

1+56⁸ to End of line can be lateral. Put in without easement.

Laterals shown so as to assist in laying grades.

B' Line
Pages 4
+ Pages 8+9

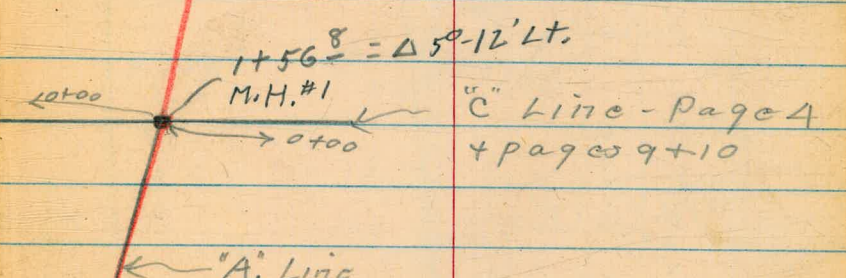
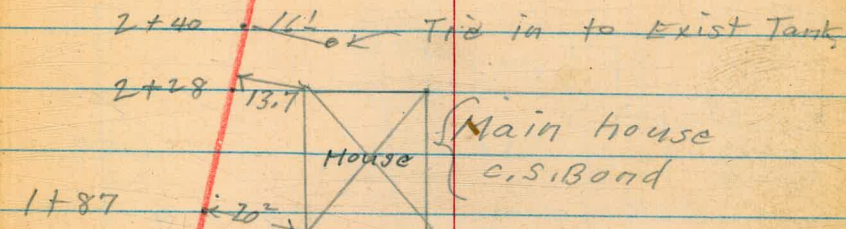
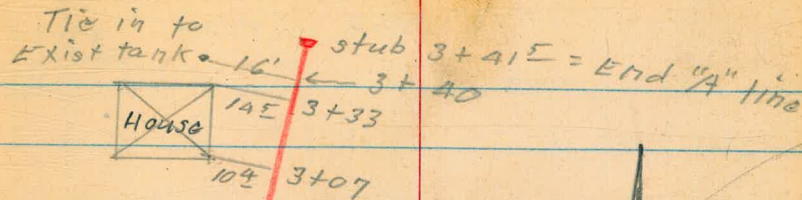
D' Line - Pages 11-13

90°

Exist M.H. #35 (107+28⁵)

Existing Mission Valley Sewer

Exist M.H. #36 (112+88)



M.H. #38
P. 1A

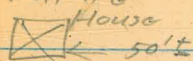
C. S. Bond Property

"B" Line

C-Line

4

Future Levels - P-9+10

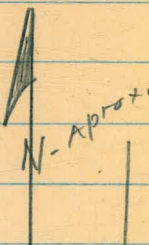


2+80

Fd. State Hy. R.W. 1ath

"C" Line

Alternate Line Profile same as "C" line



A Line P-3

Deadman

2+13

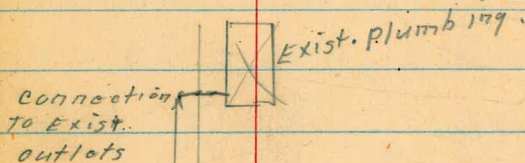
14' 0" 2" Palm 1+93

Levels - P. 8

11' 0" 1+47

2" Palm 1+37

P. Pole No. 2

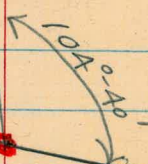


12" Irrig. Line
1+21
Lateral 127'
1+115



A Line P-4

$\Delta = 2^\circ - 07'$



to M.H. #36

A-Line P-3

As line

±

5

33.0

0+72

4.3

31.0

0+66

6.3

30.7

0+50

6.6

30.5

0+02

Ground

6.8

31.01

0+01

on M.H. Rim

6.33

Rim M.H.

24.50

0+00 = M.H.

12.84

I.E.

(37.34)

C.12 37.34 —

31.22

37.34 = state B.M. (base Conc. stand pipe)

- 6.12

31.22 = " " City Data. (opposite (North) Sta. 112+00 - Mission Valley Sewer line)

A. line

6

±

1+50⁸ Δ 5°-12' Lt. = M.H. #1

29.6

7.7

1+26

30.0

7.3

1+20

32.3

5.0

1+13

Edge

32.7

4.6

0+98

± Pave

33.0

4.3

0+83

Edge exist Pave

33.0

4.3

37.34

A. line

+

7

		29.5	29.7
3+41 ^E - stub. 16' Lt. = Prop. Conn. to	service	7.8	7.6
3+33 - 14 ^E Lt. = end house	16'		
	end.		
3+07 - 10 ^E Lt. = start house			29.6
3+00			7.7

		30.3	30.8
2+40	16' Rt. = Prop. Conn. to	7.0	<u>6.5</u>
	service		16
			end

2+28	13 ^E Rt. = end house		
		30.1	
2+00		7.2	
1+87	20 ^E Rt. = start house		

		29.90	
1+71	End same	7.44	

		29.6	
1+57	start Conc. Dr.	7.7	

37.34

"B" line (west from M.H.#1)

±

8

Sketch - P. A - Left.

To north.

17119 = stub. P.O.T. = Possible line
tank tower
1708 - 45' Rt. = S.W. leg. water
1700

29.9	30.3	30.2	30.9
7.4	<u>7.0</u>	7.1	<u>6.9</u>
	50	100	127
29.9			Approx
7.4			Tie in

0450

30.9

6.9

0413 = End Conc. Dr.

29.7

7.6

0400⁵ start Conc. drive

29.6

7.7

0400

29.6

7.7

37.34

π from P-7

"C" line
Sketch - P-A-RT.

29.99

7.35

1+00

30.1

0+99 Conc drive way

7.3

0+90

30.0

0+87 Conc drive way

7.3

29.7

0+50

7.6

0+00 East Branch (or "C" Line)
Sketch - P.4

29.6

7.7

37.34

1+21 Cross Road. (probable line to North)

29.9

29.9

30.2

30.4

7.4

7.4

7.1

6.9

50

50

100

127

29.9

29.9

30.2

30.4

7.4

7.4

7.1

6.9

50

50

100

127

1+17E = Cross irrigation line

37.34

C-Line

10

		31.8	31.6
2+80	House	5.5	5.7
	60 belt app. future location of House	60	31.7
2+50			5.6

2+13	7' Lt. = dead man		31.1
------	-------------------	--	------

2+00			6.2
------	--	--	-----

1+93	14. Rt Palm 24"		30.9
------	-----------------	--	------

1+50			6.4
------	--	--	-----

37.34

11

{ 1+37	24" Pole		
{ 1+37	Palm on line		

Line off M.H. # 35 = "D" line

11

1+35 = approx 10'
North of old R. & W.
Fence.

Mission Valley line

107
M.H. # 35
100 A.D.

M.H.
36

Levels "D" Line

		32.4
0+81 = ^{start} cross pavement		4.4

		32.1
0+70		4.7

		30.0
0+64		6.8

		29.8
0+02	Ground	7.0

		30 ²⁸ / ₇
0+04 = Rim M.H.		6.56

		23 ³⁴ / ₇
0+00 = M.H.#35 Misson Valley line		13.50
		1.4

5.62 36.84 ~ ~ 31.22

BM #1 - P.5

36.84

"D" Line

13

2+50 Bonds property
386' Lt. = Aprax west line of

28.9
7.9
386

29.0

7.8

1+35 Bond Property
- 386' Lt. = Aprax. West line

28.8
8.0
386

29.1

7.7

1+27

29.5

7.3

1+22

32.3

4.5

1+13 = End pavo

32.7

4.1

0+97

32.7

4.1

36.89

Prop Sewer C.S. Bond. property

P.L. # 1108

7-9-50

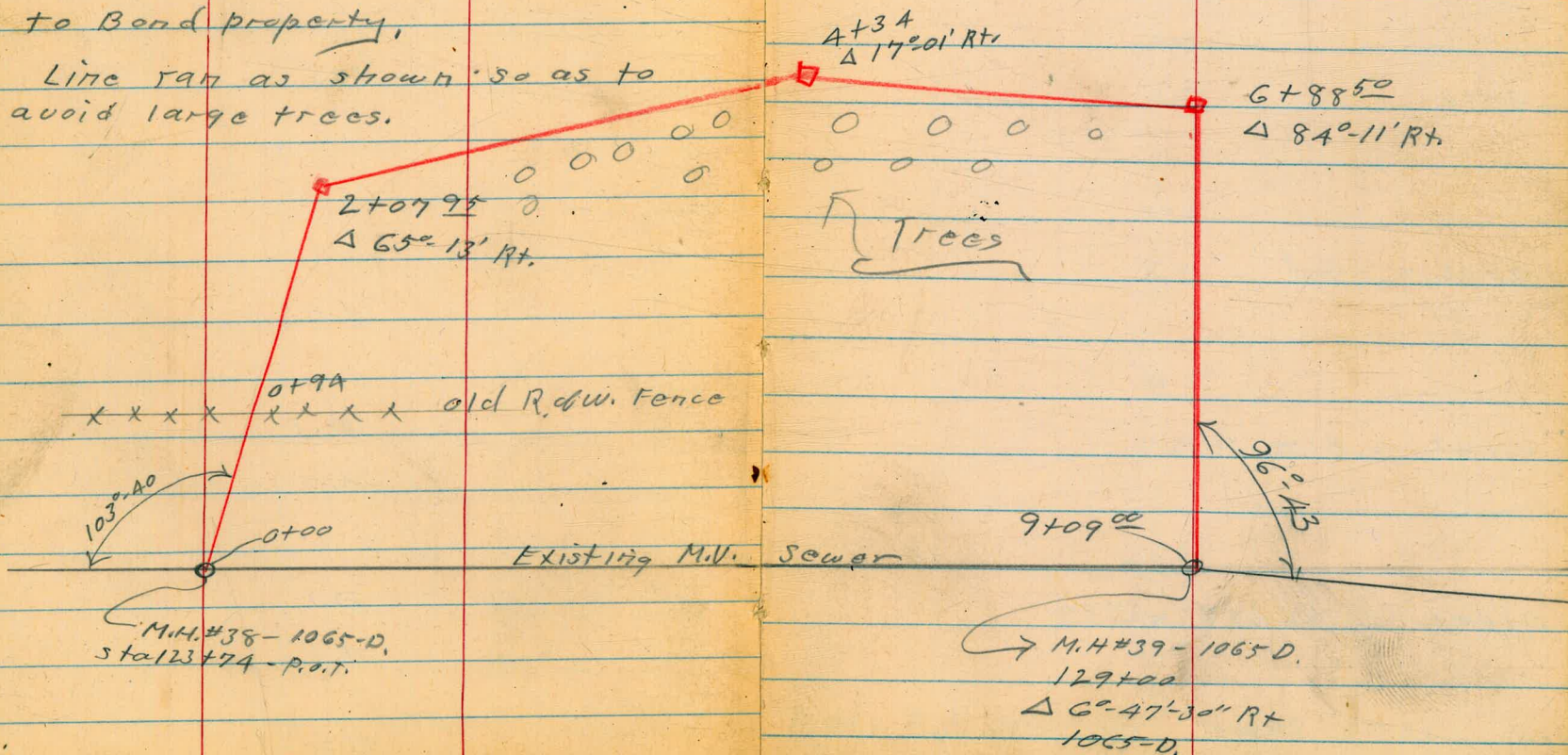
1065 D

14

Ctr. of Property to be served is
at Approx. 5+80

City lines can run from either
Exist. M.H. #38 or Exist M.H. #39
to Bond property,

Line ran as shown so as to
avoid large trees.



1412

33.1

6.4

1400

33.0

6.5

0450

33.0

6.5

0402 = Grad

32.5

7.0

0401 = Rim M.H.

33. $\frac{20}{7}$

6.25

0400 = Ctr. Ex ist M.H. #38

26. $\frac{66}{7}$ 12.79
I.E.

12.79 39.45 — 26.66

B.M. = I.E. M.H. #38

39.95
/

1+72

33.1

6.4

1+66

35.6

3.9

1+59 End pave

35.7

3.8

1+45 ~~2~~ Pave

35.4

4.1

1+29 start pave.

35.0

4.5

1+19

34.6

4.9

37.45

4+00

31.7

4.9

3+50

30.9

5.7

3+00

30.7

5.9

2+50

32.3

30.5

4.3

6.1

200

T.P. 5.80 36.57 8.68 30.77

36.572+07⁹⁵ Δ 65°-13' RT.

30.77

8.68

1+82

31.2

8.3

39.45

6+50

$$\begin{array}{r} 32.2 \\ 8.7 \\ \hline 200 \end{array}$$

33.6

7.3

6+00

35.3

5.6

5+50

36.3

4.6

T.R. 5.46 40.92 1.11 35.46

40.92

5+00

39.7

1.9

4+50

32.9

3.7

4+34 = Δ 17°-01' RT

32.4

4.2

36.57

T.P. 9.73 47.84 2.81 38.11

7+43 = start pavement

38.0

2.9

7+37

38.2

2.7

7+30

39.9

6.0

7+09

39.9

6.0

7+02 Cross old fence line

6+90 - 142' E H = Ely line Bond Property

31.3

32.3

$$\frac{9.6}{142}$$

8.6

6+88⁵⁰ Δ 84°-11' RT.

32.3

8.6

40.92

8+66

99.5

3.3

8+50

41.4

6.4

8+00

39.0

8.8

7+83 88' Mt. Pole # P79133

38.5

7+80

7.3

7+68 End pauc.

37.1

10.7

7+55 1/2 pauc

37.6

10.2

47.84

Reduced
D.T. Lawrence
8.7.50

27 $\frac{95}{3}$

20.39

45 $\frac{65}{3}$

2.19

44.3

3.5

9+09⁰⁰

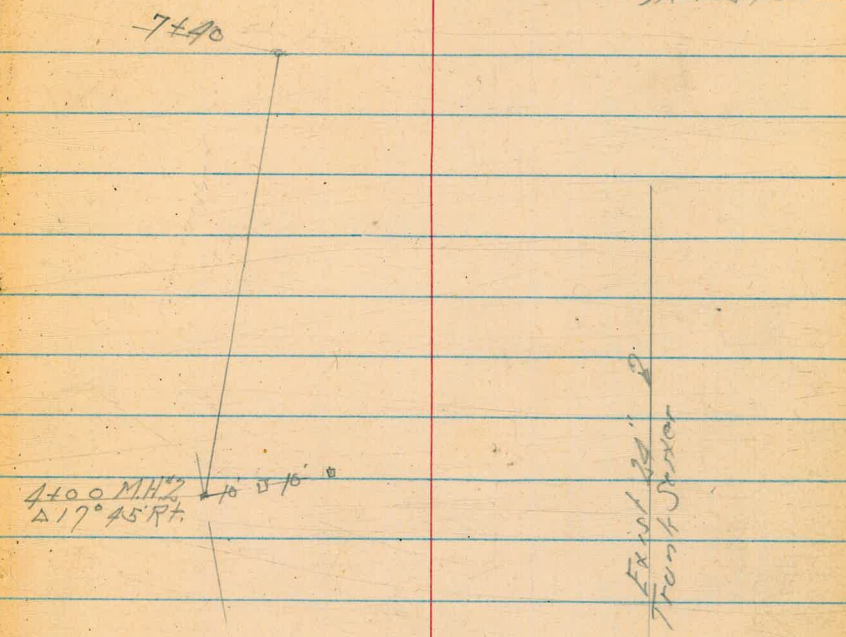
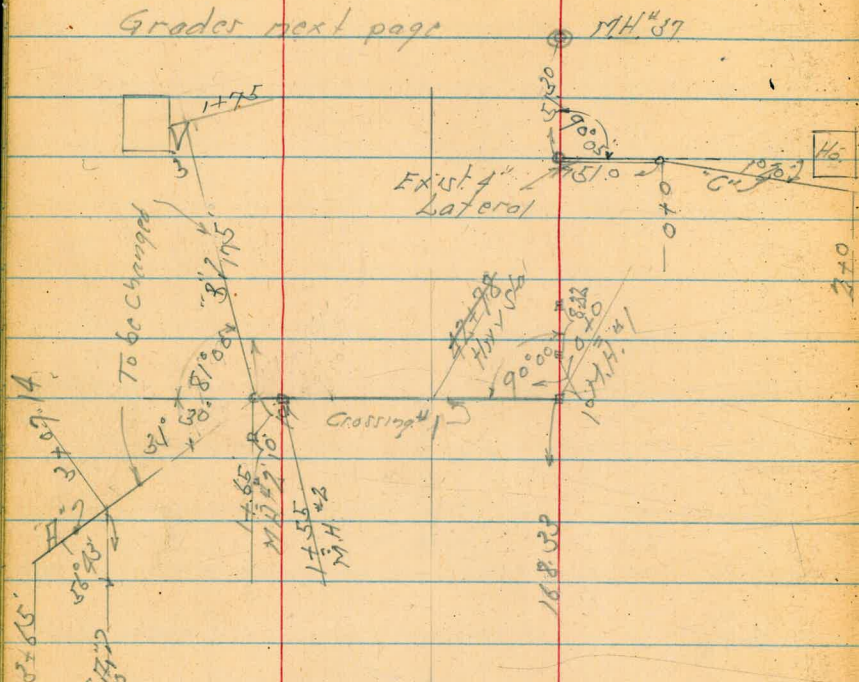
9+08 Rim M.H. #

9+07 ground

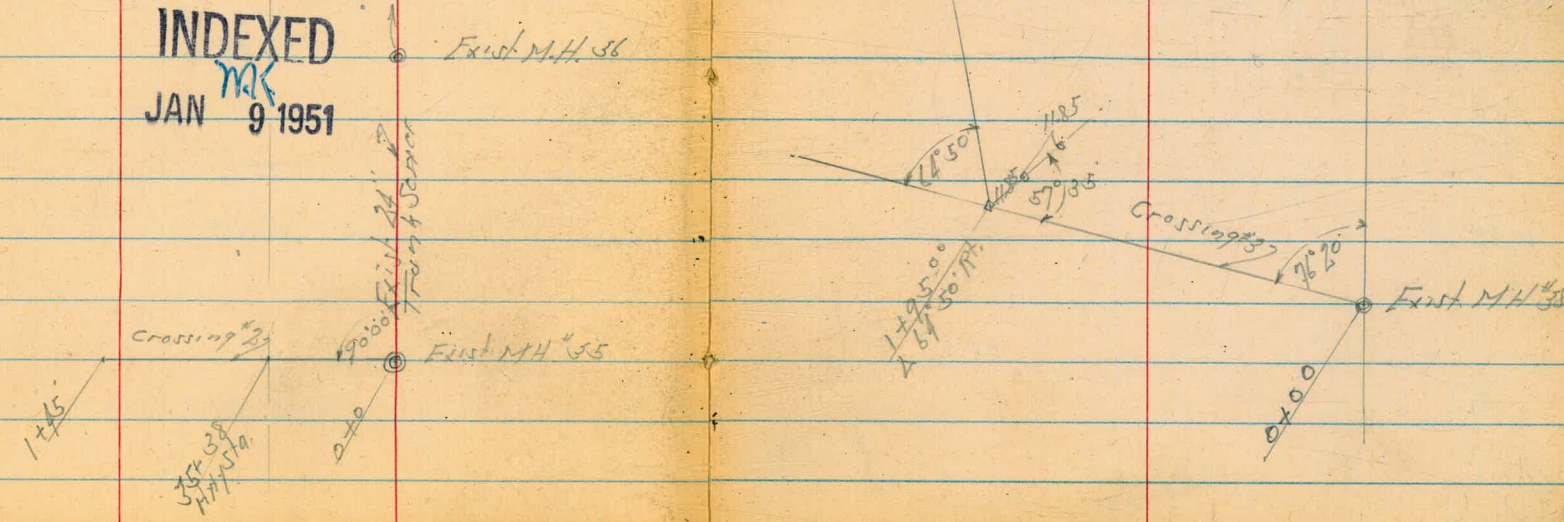
Serfer Crossings of Camino Del Rio
 From Exist Mission Valley Trunk Serfer
 C.S. Bond's Property
 Grades next page

Nov. 1-50 22.

A. Sisson
 Garber
 Rorer
 Pullen
 H.O. 62195



INDEXED
 MK
 JAN 9 1951



Crossing No 2

Crossing No 1
And H Line

Nov. 1-50 23
H. Sisson
Garber
Rorer
Pallam
No. 62195

				+65 = A 8' 30" 1/2	26.66	23.65	12.90 5.38 67.52 10.21 10.21
				BM 4.68	35.90	31.22	Barr Conc. Stand Pipe opp 40+20 1/2
				TP 4.65	35.43	7.12	30.78
				+55 = MH #2			26.62
+45				25.58			11.28 7.57 63.71 10.11
				+25			26.50
+16				25.46			11.40 6.44 62.95 10.15
				+10			26.40
+87				25.35			11.50 4.53 68.95
				+75			26.30
+58				25.23			11.60 4.49 67.11
				+50			26.20
+39				25.12			11.70 4.25 67.45
				+25			26.10
0+0 = MH #35				25.00			11.80 4.24 67.56
				0+0 = MH #1			26.00
BM 6.80	38.02			31.22			11.90 6.44 65.46 10.15
				BM 6.68	37.90	31.22	Barr Conc. Stand Pipe

"A" Line

Crossing #3

21

					+75				28.19	12.24 12.25 6.29 10'E
+65 = End			24.10	10.23 4.75 c5.52 10'NF						
+50 = End			24.30	10.33 4.85 c5.47	+64 = MH #1				28.15	12.48 4.97 c7.51
+25			24.12	10.51 5.10 c5.41	+50				28.10	12.53 5.19 c7.34
+0 7/14 "L" 1/10 0 + 0.5"			24.00	10.63 out	+25				28.00	12.63 5.16 c7.49
3 + 0			23.95	10.68 10.68 c6.00	+10				27.90	12.73 1.56 c8.17
TP 4.95	24.63	6.22	29.68		+75				27.80	12.83 3.28 c9.15
+75		0	23.77	12.13 6.21 c5.92	+50				27.70	12.93 3.99 c9.14
+50			23.60	12.20 5.90 c6.40	+25				27.60	13.03 4.60 c10.43 10'E
+35			23.42	12.48 5.24 c7.24	+10 = End MH #38				27.50	13.13 2.33 c10.80 07 RM
240			23.24	12.76 4.72 c8.04 10'NF					30.77	07.50.5 3+07.95 165'12' RM Page 17
		35.90			BM	9.86	10.63			

Crossing #3

Nov. 13. 50 25

R. 5.580
Garber
Rorer
Pulley

+25 =		25.61	10.71 3.65 <u>07.26</u>													27.36	13.21 5.84 <u>07.37</u>	
4+0 - MH ²² Δ 17° 45' RT		25.43	11.09 4.42 <u>06.67</u>															
		25.26	11.26 4.31 <u>06.95</u>															
		25.08	11.44 1.50 <u>09.94</u> 10. RT TR															
		24.91	11.61 1.50 <u>06.61</u>															
	007	24.73	11.79 4.28 <u>06.81</u>															
		24.56	11.96 4.83 <u>07.13</u>															
		24.38	12.14 4.28 <u>07.86</u>															
		24.21	12.31 5.05 <u>07.26</u> 10 RT															
TP	5.75	36.52	9.76	30.77														
1495	Δ	12.31 9.54 <u>02.82</u> 11.85	28.27	24.00														
		40.63																

36.52

Crossing #3

"H" Line

26

+40

27.81

12.76
7.50
c5.26

+20

27.67

12.90
7.38
c5.52

7+0

27.53

13.04
6.54
c6.50
10 Rt.

40.57

+60 = End

27.20

7.43
5.55
c3.88
11.5 slab

+50

27.00

7.63
5.80
c3.83
11.3 Nail

+25

26.50

8.13
3.97
c4.16
11.5 Nail 100g

+40

26.00

8.63
3.29
c5.34
11.0 11.65a

+75

25.50

9.13
4.43
c4.70
10.50 4

+50

25.00

9.63
4.85
c4.78

+25

24.50

10.13
4.79
c5.34
10.50.0 1/2

0+0 = 3407.14

24.00

3463 Bt Ford
Part 24

Senior Grades 8" Line

Sketch page

+7.5 = End.	23.75	10.45 4.87 c 5.88 10' Sods
-------------	-------	-------------------------------------

450	25.50	10.40 4.68 c 5.72
-----	-------	-------------------------

+25	25.25	10.65 4.39 c 6.36
-----	-------	-------------------------

140	25.00	10.90 4.22 c 6.78
-----	-------	-------------------------

+75	24.75	11.15 4.69 c 6.48
-----	-------	-------------------------

450	24.50	11.40 4.56 c 6.74
-----	-------	-------------------------

+25	24.25	11.65 5.06 c 6.59 1050.
-----	-------	----------------------------------

0+0 = 1465	24.00	12.90
------------	-------	-------

BM	468	35.90	31.22
----	-----	-------	-------

Server South of Camino Del Rio "C" Line
 C.S. Bonds Property

Nov. 15. 50 28
 H. S. Simon
 Garber
 Rorer
 Pallen

Sketch Page 22

2+0		Ground 376	34.00	5.82 2.77 c 2.86 10.11 12
+75		993	31.67	8.16 4.03 c 4.17
+50 = Bkt			29.25	10.48 4.25 c 5.53
+25 = Bkt		Ground 313	29.17	10.66 7.38 c 3.28
1+0			29.00	10.82 8.27 c 2.54
+75			28.82	11.01 8.32 c 2.69
+50		097	28.65	11.18 8.23 c 2.95
+25			28.47	11.36 8.68 c 2.68 10.71 0/2
0+0 = Exist of Cont/ran		1152	28.30	17 vert
TP	8.18	29.83	932	31.65
BM	9.75	10.97		31.22

Bar Comp
 Stand Pipe
 Opp 10450
 Hwy 1

54th St.

2" Pipe - R.E. 1534

Map 2703

Jaegers Line
Tol 5475

SL Clearview -

2" pipe R.E. 4847

440.86

90° 16'

89° 46'

396.13

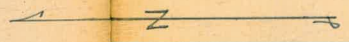
89° 39'

30' 30"

80° 14'

396.10

87° 15.86'



Hub - Reset
for Cor.
Per Map 2703

X.Y.B.T. 157

Sec. Line

52nd St.

N.L. Westwood Hills + I Map 2505

R.E. 1534
Fd. pipes

0' 00"

30' 30"

52nd St.

Fd. Nail

Bench Levels along 54th - Federal to
Chollas Rd.

B.M.	12.90	239.13		226.23 =
			12.58	226.55
	10.04	248.63	0.54	238.59
	2.26	248.72	2.17	246.46 =
	0.41	236.67	12.46	236.26
	12.38	236.17	12.88	223.79
	13.04	248.49	0.72	235.45
	11.02	259.15	0.36	248.13
	6.96	265.04	1.07	258.08
	11.54	275.87	0.71	264.33
	7.07	282.05	0.89	274.98
	6.75	284.64	4.16	277.89
	5.38	286.51	3.51	281.13
	1.63	280.15	7.99	278.52
	5.86	273.06	12.95	267.20
	13.07	283.49	2.64	270.42
			0.14	283.35

See P. 32 for check to this B.M.

± Id. c.t. Federal + Euclid

Set B.P. - N.E. Cor

Spike in Pole - S.W. Cor. Euclid + 54th

S.E. B.P. - 54th + Grape

B.P. on Nly. end Island - S.E. 54th + Piroette St.

B.P. - on E. side Conc. strip - on S.L. Blackton

Spike in Pole - S.E. Cor. 54th + Olive # P275982

- Spike in Pole - on E. side at S.L. of Sub. # P274432

B.P. - N.E. 54th + Redwood

$\bar{\Lambda}$

	283.49		
+12.17	295.47	- 0.19	283.30
13.30	308.00	0.77	294.70
		2.57	305.43

Note. Turned back to starting B.M.
checked o.k. - These B.M.'s Set are o.k.
pending Verification of starting B.M.

+3.26	308.69		305.43
-------	--------	--	--------

B.M.		44.2	304.27
------	--	------	--------

T.P.	8.93	307.38	10.24	298.45
------	------	--------	-------	--------

	0.24	294.58	13.04	294.34
--	------	--------	-------	--------

	0.38	281.63	13.33	281.25
--	------	--------	-------	--------

	0.26	269.11	12.78	268.85
--	------	--------	-------	--------

B.M.		10.60	258.51
------	--	-------	--------

T.P.	0.21	256.05	13.27	255.84
------	------	--------	-------	--------

		8.08	247.97
--	--	------	--------

Set B.M.		8.03	248.02 = B.P. on E. cb. - $\frac{1}{2}$ of Bridge 54 th - S. of Chollas Rd.
----------	--	------	---

No Good - 1' off.

304.42 = D in $\frac{1}{2}$ N.W. Return - Redwood + Chollas Sta. Rd

Book 1857 - P. 18 - Note error in Bench

N.E. B.P. - Winlow + chollas sta. Rd.

B.P. in N. end Island - E. side - 54th + Streamview Dr.

247.97 - Top. cb. N.W. Cor. Bridge

Book 1582 - P. 48 - Moores Elev.

Used By Sisson for Levels to Univ. - o.k.

Bench Levels - Federal - 47th to Euclid,

1-5-51 - 7.0.

B.M.	7.81	235.86	228.05	=	± Id. + Disk (Now) 47 th + Federal - (rod Held on Pav.)
Set B.M.		6.90	228.96	=	B.M. = Bolt in N.E. cb. 47 th + Euclid
Check B.M.		5.06	230.80	=	230.80 = Top F.H. - S.E. 48 th
T.P.	3.05	233.28	5.63	230.23	
Check B.M.		7.97	225.31		225.32 = Top F.H. - S.E. 49 th
Set B.M.		8.36	224.92	=	N.E. B.P. 49 th + Federal
T.P.	1.56	225.79	9.05	224.23	
	3.79	220.11	9.47	216.32	
	8.46	227.98	0.59	219.52	
			1.78	226.20	226.23 = ± Ld. + ct. Federal + Euclid

See P. 30 - for New B.M.

Check Top of cb. at SW Ret. Window + Dwight

4835
W.O. 25010

1-8-51
7.0.

33

BM. 2.24 π 309.78 307.54 = S.E. Top Hyd.

Ret. = 52.4 around - 5 parts - 10.5 each

N.W. Cor = PC. on Dwight, 8.38 T = Top S.E. Return - 55th + Michael

10.5' 7.35 T 43' around - 4 parts - 10.75 each

" 6.50 T Beg. E. end = PC. on Michaels 8.06 T

" 5.98 T 10.75' 9.00 T

" 5.61 T " 10.04 T

10.5' = E.C. - on window 5.86 in Drive " 11.22 T

10.75' = E.C. on 55th 12.35 T

N.E. Return - 55th + Michael St.

43' around - 4 parts 10.75' each

BM 8.72 312.87 304.15 - Nail in SW Pole

Beg. N. end = PC. - 55th 1.46 T

10.75 2.44 T

" = 3.43 T

" 4.09 T

10.75 = E.C. - on Michael 4.61 T

REDUCED
1-15-51
P.E.R.

Lt. ♀ Rt.

Req. X-Sections of 52nd from Westwood
Hills - to Clearview.

4840

1-4-51

W.O. 25020

7.0

1+00

INDEXED

MK.
JAN 9 1951

243.8	243.2	243.4	244.3	244.2	244.2
6.1	6.2	6.0	5.1	5.2	5.2
40	30	20	-	30	40

0+50

242.8	242.3	241.1	242.1	241.8	243.2	243.1
7.1	7.1	8.3	7.3	7.6	6.2	6.3
40	30	20	✓	20	30	40

0+032 = ♀ Sewer M.H. 10.59 on Rim

238.89	238.66	238.37	238.66	238.85	238.93	238.82	237.12	237.49
10.5	10.73	11.02	10.73	10.54	10.46	10.57	10.27	9.9
30	19.2	17.9	10	10	17.6	19	30	
	Top ch. edge gut.				edge gut.	Top cb.		

0+00 = end of obs. & pave at N.L. of Westwood Hills

0+50 - on Pave

237.79	237.66	237.37	237.86	237.90	238.18	238.49
11.6	11.73	12.02	11.53	11.49	11.21	10.9
30	19.6	18.2		17.2	18.6	30
	Top ch. edge gut.		249.39	edge conc. gut.	Top of Deck of Roll type cb.	

Set B.M. 10.54 249.39 7.02 238.85 =

3/4 pipe - w. side 52nd at N.L. of Sub.

7.43 245.87 10.93 238.44

2.81 249.37 12.96 246.56

✓ B.M. 1.44 259.52

258.08 -

B.P. end Island - S.E. Pirrotte + 54th

Lt. ± Rt.

4+50

248.2	248.2	248.3	247.4	246.5	245.8	245.3
3.7	3.7	3.6	4.5	5.4	6.1	6.6
35.1	30	10		15	30	50

4+00

248.9	249.3	249.4	249.8	248.3	248.1	247.5
3.0	2.6	2.5	2.1	3.6	3.8	4.4
35.1	30	15		15	30	50

3+50

249.1	249.1	249.5	249.5	249.1	249.2	249.0
2.8	2.8	2.4	2.4	2.8	2.7	2.9
35.2	30	15		15	30	50

fence 251.85

T.P.

2.97

251.85

0.51

248.88

3+00

249.22	249.1	249.2	248.6	248.9	249.1
0.2	0.3	0.2	0.8	0.5	0.3
35.2	30		15	30	40

2+50

247.9	247.9	247.9	247.5	247.4
1.5	1.5	1.5	1.9	2.0
35.1	30		30	40

2+00

246.4	246.3	246.7	246.4	246.5
3.0	3.1	2.7	3.0	2.9
35.3	30		30	50

along cyclone
fence

1+50

244.89	244.81	245.81	245.47	245.47
4.6	4.6	3.6	4.0	4.0
50	30		30	50

249.39

Lt.

±

Rt.

5+70

230.7	224.1	223.6	226.9	230.8	233.7	234.9
8.8	15.4	15.9	12.6	8.7	5.8	4.6
60	30	15		15	30	50

5+62.5 - 1.9 Lt = Base at ± Pier

225.34
14.15
1.9
224.48
Top of 14.51
Base 2.2
Top of Base

5+45 - 2.2 Lt = Base at ± Pier (end of Batter.)

5+35

239.0	235.8	231.7	226.7	225.5	226.2	227.1
6.5	3.7	7.8	12.8	14.0	13.3	12.4
50	30	15		15	30	60

5+26.5 = ± Conc pier

8" C.I. Sewer on Conc piers - (see plan)

5+16.5 - 5 Lt = ± Pipe at ± of Conc Lug. (8" C.I. Sewer)

232.07
7.42
3.5
Top of Base
236.43 236.05
3.06 3.44
5 5
Top Lug. Top Pipe 239.49

T.P. 0.97 239.49 1333 238.52

5+00

246.4	246.1	243.9	241.2	239.9	239.1	231.8
5.5	5.8	8.0	10.7	12.0	12.8	13.8
50	30	15		15	30	50

4+80

248.1	248.4	248.0	245.9	244.8	244.1	244.3
3.8	3.5	3.9	6.0	7.1	7.8	7.6
35.1	30	15		15	30	40

4+79 - 5 Lt = ± Sewer.M.H. 5.30 on Rim

251.85

Lt.

±

Rt.

6+75

235.0	241.1	241.7	244.1	245.0	245.8	247.1
14.7	8.6	8.0	5.6	4.7	3.9	2.6
60	30	15		15	30	50

6+50

218.0	230.	234.4	238.6	242.3	244.2	245.1	246.1
31.7	19.7	15.3	11.1	7.4	5.5	4.6	3.6
70	40	30	15		15	30	50

T.P.

12.84

249.68

26.5

236.84

249.68

6+29- 5.3 Lt. = ± pipe at ± end Conc Lug.

237.13	236.65
2.36	2.84
5.3	5.3
Top Lug.	Top pipe

6+25

221.4	219.5	225.8	232.5	237.6	236.4	234.5	234.0
18.1	20.0	13.7	7.0	1.9	+3.1	+5.0	+5.5
70	55	30	15		15	30	40
	E wash						

6+16- 3.4 Lt. = Base at ± of Pier

233.73
5.76
3.4
Top of Base

6+00

224.9	221.4	222.8	228.1	232.7	237.4	236.6	235.1
14.6	18.1	16.7	11.4	6.8	2.1	+2.9	+4.4
60	40	30	15		15	30	40

5+97.5-2.9 Lt. = Base at ± Pier

230.21	
9.29	
2.9	
Top of	226.93
Base	12.56
	2.1
Top of Base	239.49

5+80.5-2.1 Lt. = Base of ± Pier

Lt. \$ Rt.

9+55.85'

233.2	240.8	244.5	247.2	249.2	250.6	250.9
20.8	13.2	9.5	6.8	4.8	3.4	3.1
60	30	15		15	30	40

9+15.85' (To Match Grid layout)

245.8	247.5	248.6	250.0	251.3	251.8	251.9
8.2	6.5	5.4	4.0	2.7	2.2	2.1
50	30	15		15	30	40

8+75.85' = S.L. of Playgrounds.

246.8	247.7	249.1	249.3	250.7	251.8	252.6
7.2	6.3	4.9	4.70	3.3	2.2	1.4
50	30	15	on Hub.	15	30	40

8+40

245.5	247.4	248.4	248.9	250.4	251.9	252.8
8.5	6.6	5.6	5.1	3.6	2.1	1.2
50	30	15		15	30	50

T.P. 5.22 254.04 0.86 248.82

254.04

8+00

244.6	245.9	247.2	248.1	249.0	249.3	249.6
5.1	3.8	2.5	1.6	0.7	+0.4	+1.1
50	30	15		15	30	40

7+50

244.1	244.7	245.8	246.5	247.4	248.6	249.1
5.6	5.0	3.9	3.2	2.3	1.1	+0.6
50	30	15		15	30	50

7+19- 5.2 Lt. = \$ Sewer M.H. 3.22 on Rim

7+00

241.8	242.6	244.4	245.1	245.8	246.5	247.9
7.9	7.1	5.3	4.6	3.9	3.2	1.8
50	30	15		15	30	50

249.68

10 + 35.85

T.P. 12.84 259.89 6.99 247.05 = on M.H. Rim

10 + 18.5 - 5' Lt. = Sewer M.H. 6.99 on Rim

10 + 15.85 5.8 50

10 + 0.8 5' Lt. = pipe at s. end of Conc. Lug

9 + 95.85

9 + 91 - 2.9 Lt. = Base at Φ of pier

9 + 75

9 + 76.5 - 5' Lt. = 8" C.I. pipe at N. end Conc. Lug

Lt. Φ Rt.

250.0	249.9	249.3	249.4	247.8	247.3	247.6
9.9	10.0	10.6	10.5	12.1	12.6	12.3
50	30	15		15	30	40

259.89

247.3	245.7	243.5	241.4	241.3	242.7	245.5
6.7	8.3	10.5	12.6	12.7	11.3	8.5
30	15	242.60	15	25	30	40
11.84	11.44					
5	5 = Top Lug					
Top Pipe						

242.3	240.9	239.0	237.3	242.4	246.3	249.0
11.7	13.1	15.0	16.7	11.6	7.7	5.0
50	30	15		15	30	40

235.20
18.84
2.9 = Top base

235.4	233.7	238.6	242.6	247.5	248.8	251.0
18.6	20.3	15.4	11.4	6.5	5.2	3.0
60	30	15		15	30	30

241.67	242.04	
12.37	12.00	
5	5	
Top pipe	Top Lug	254.04

13 + 18.44 = U.L. Grid Area - S.L. of Clearview

12 + 75.85

12 + 35.85

T.P. 5.29 264.50 0.68 259.21

11 + 95.85

11 + 55.85

11 + 15.85

10 + 75.85

40

Lt.			±	Rt.		
259.3	259.5	259.8	259.78	260.1	260.3	260.3
5.2	5.0	4.7	4.72	4.4	4.2	4.2
40	30	15	on Hub.	15	30	40

258.5	258.8	258.8	259.4	259.4	260.1	260.3
6.0	5.7	5.7	5.1	5.1	4.4	4.2
40	30	15		15	30	40

258.0	258.0	258.5	258.4	258.5	259.0	259.2
6.5	6.5	6.0	6.1	6.0	5.5	5.3
40	30	15		15	30	40

264.50

256.8	257.0	257.5	259.6	257.4	258.4	258.5
3.1	2.9	2.4	2.3	2.5	1.5	1.4
40	30	15		15	30	40

256.4	256.3	256.3	256.3	256.2	256.6	257.0
4.5	3.6	3.6	3.6	3.7	3.3	2.9
50	30	15		15	30	40

253.4	254.6	254.9	255.3	254.9	254.8	255.0
6.0	5.3	5.0	4.6	5.0	5.1	4.9
50	30	15		15	30	40

252.2	252.0	252.3	252.7	253.0	253.0	253.1
7.7	7.9	7.6	7.2	6.9	6.9	6.8
50	30	15		15	30	40

259.89

Lt. # Rt.

14+00 = end. - over Found. of House on Rt.

To st.

258.1	258.5	259.6	259.7	259.7	260.0	260.2
6.4	6.0	4.9	4.8	4.8	4.5	4.3
40	30	15		30	70	110
				in House Found.		

13+50 - show Rough Graded st. (Not meq.) on Rt.

259.1	258.7	258.4	258.6	258.6	258.8	259.5	259.6
5.4	5.8	6.1	5.9	5.9	5.7	5.0	4.9
40	30	15		15	30	60	90
			264.50				

End Pipe
55.32

☒ of Exist. Waterway
Down Rd.

1 + 6
19.15
180.15
M 180.10

Fd Mon - T.P. 19-P. 43

3 + 03.92 = Hub.

8.34

Lot 20

1461400 = Hub.
Ang. 57° 31' 30" LT.

Approx.
Lot Line

Lot 21

73° 28'

Boundary

Boundary

ST

28.41

57° 31' 30"

0700 = chisel cut.
end 24" R.C. Culvert.

19.15

7' Disk

Quail St.

To 7' Disk
at 40th

Hub Tie to
7 Line

Market St

24" RC Pipe

☒ Market St.

Cop. Disk

INDEXED

MAR 19 1951

Survey for Prop Drain Thru Block 1

N. of Market - Boundary + Quail St.

5420

Sketch - P. 42

w.o. 20797

2-20-51 - 7.0.

0+79.2 = ± 4" C.I. Sewer lat. - on piers - rough blocks.

0+65

0+46?

1+46 - 8.7' Rt. = Near Cor. Conc. Porch

T.P

9.82

132.43

5.98

122.61

0+30

0+00 = inlet of 24" Pipe

outlet of 24" Pipe across Market

B.M.

0.35

128.59

128.24

= N.E. B.P. 40th + Market.

Lt.

±

Rt.

Reduced by
Pit.

120.3
12.1
20

120.2
12.2
5
± Creek

120.3
12.1

122.64
9.79 = Top pipe
9.3
10

122.3
10.1

8.7
ground.

125.81
6.62

8.7 = Top
conc.

120.6
8.0

20

118.8
9.8

in Creek

122.5
6.1

15.4 = Cor.
Cav.

117.16

11.43 = I.E. pipe

111.97

16.82 = I.E. pipe

128.59

2+65
 T.P. 10.21 140.88 1.76 130.67

2+53.8-10.9 Rt = Cor. House
 2+43- 8.5 Lt = Cor. House
 2+35
 2+28.5- 10.8 Rt = Cor. House
 2+17.8- 8.8 Lt = Cor. House

2+00 = in present water way

1+61.00 = Ang 57° 31' 30" Lt. Sect. Normal - 90°
 To back Tang

1+30

1+00

Lt.	£	Rt.
121.5	121.1	132.4
9.4	9.8	8.5
15		15
	140.88 ✓	

120.6	129.8	130.4
1.8	2.6	2.0
8.5		10.8
along House		along House

128.7	127.8	128.1
4.2	4.6	3.7
15		15

124.6	122.5	125.9	121.9	125.0
7.8	7.9	9.0	10.5	7.4
25	5	on Hub. + wash	10	20

124.5	123.1	121.5	121.5	121.3	123.3
7.9	9.3	10.9	10.9	11.1	9.1
35	20	12	wash	3	15

122.6	120.8	120.9	121.0	124.6
9.8	11.6	11.5	11.4	7.8
20	5	£ wash	8	20
		132.43		

Lt.

±

Rt

75

check B.M.

0.92 139.96 139.92 = B.P. in S. cb. Market at Boundary

3+25 = end = outs 90° to ±

137.2	135.6	135.3	135.0
3.7	5.3	5.6	5.9
30	15		25

3+03.92 = Int. of Boundary line - outs along Boundary

134.1	133.9	134.10	134.6	135.6
6.8	7.0	6.78	6.4	5.3
50	20		20	50

Boundary St.

2+80 = Ely. of Dirt Road - outs are Normal to full of Dirt - Inlet Covered

134.2	133.9	133.5	134.2	135.2
6.7	7.0	7.4	6.7	5.7
50	20		20	

50 = where part of water crosses Rd.

2+74 = 4' Lt. = end of 16" Iron Pipe - Completely

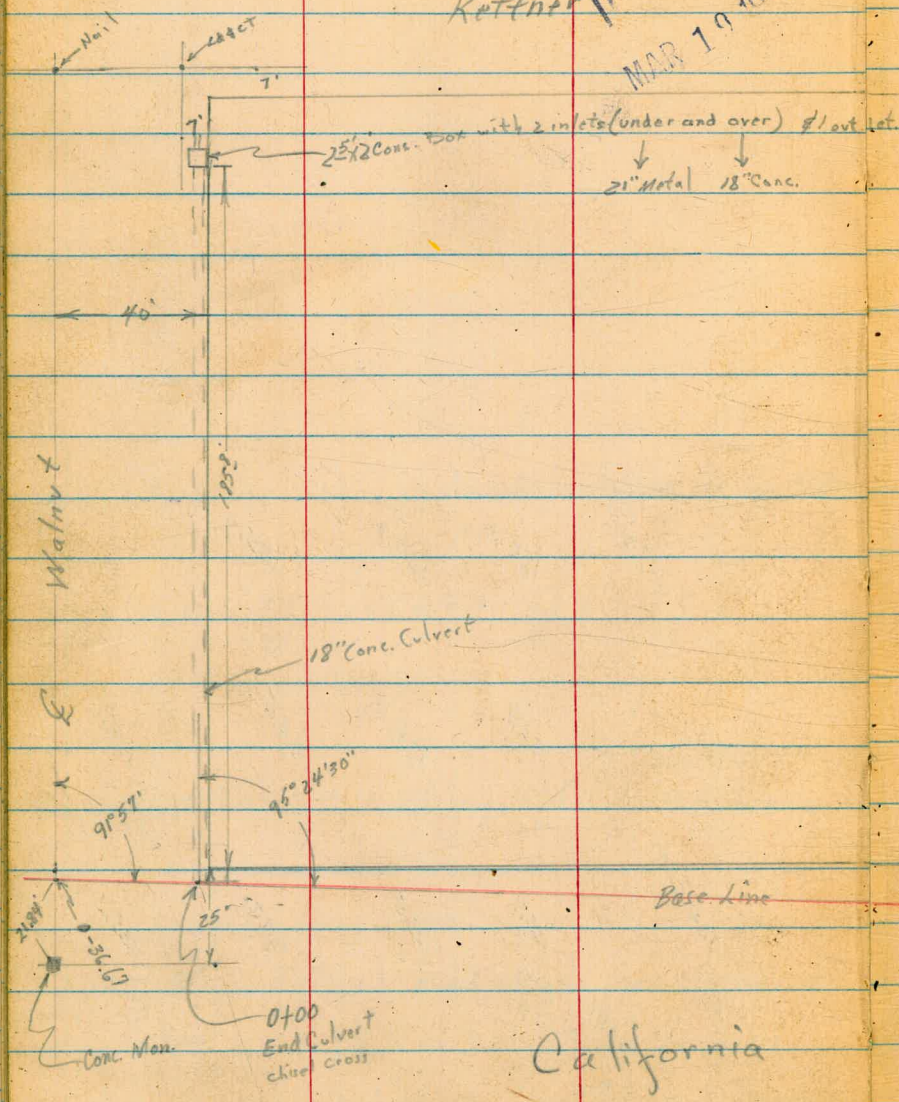
132.96
7.92
4
- ground +
Top of pipe
140.88

Roberts
Cota
Moore
3-17-51
WD 20768

Survey to Extend Culvert in
California St. (Vine to Walnut)

Kettner ~~INDIVID~~

MAR 19 1951



Culvert Mark 1056'30" 1/2
to left of Base Line
1013' of Culvert
24" Conc. Pipe
6' Conc. Wall
3' 4" Pipe
2+9924
chisel cross

California



Another Culvert Explains Here

Hub & CT.

1+00

25
7.0
27.0

25.8
8.1

25
8.6
25.4

0+50

25
6.0
28.0

26.9
7.1

25
6.0
26.0

0+03

28.8
5.2

0+00

END 18" Culvert

10
4.2
29.8

1
4.4
29.6

27.42
6.62
27.42

5
5.6
28.4

20
5.8
28.2

30
7.7
26.3

T.P.

1.45

34.04

12.66

32.59

34.04

0+00

185' Lt or Conc. Box with 2 Inlets & 1 outlet

10.58

8.48 10.76

Outlet Invert Box

Inlet Inverts

34.67

36.77

34.39

BM

5.67

45.25

39.58 SEEP

Kettner #Vine

Contd From Page 47

Outlet of 24" Conc. Pipe Culvert 101² Long
Across Vine

2+97.24 Begin 24" Conc. Culvert

2+90

T.P. 5.10 30.05 \downarrow 9.09 24.95 \downarrow

2+50

2+00

1+55 { 32' Lt to Dead man
4' Rt to Guy Pole

1+50

34.04 \uparrow

44

2033

972
INVERT

2124

881
INVERT

254

47
25

246

55
5

254

47

221

80
11

30.05 \downarrow

25.9

8.1
25

248

9.2

24.3

9.7
25

26.0

8.0
25

24.9

9.1

24.9

9.1
25

26.2

7.8
25

254

8.6

25.1

8.9
25

34.04 \uparrow

R2

48

INDEXED

MAR 19 1951

Cont'd From Page 48

X-sect Open Ditch from Santa Fe R.Ry
to Culvert at Calif & Vine

Check 1.69 39.58^v = 37.58

T.P. 11.82 41.27^v 0.60 29.45^v

0+76 { Ditch Along Santa Fe Tracks
24.5' Rt to R.Ry Telegraph Pole

0+60

0+40

Reduced by
C.R. Leehhead
3-20-51

0+10

0+00 = 2+97.24

30.05 x

48

9

Rt

49

Start BN

22.7	22.1	21.8	20.9	24.9	26.2	26.4	24.4
7.4	8.0	8.3	9.2	5.2	3.9	3.7	5.7
12.6 Near Rail	12.0 Edge Bldg	10		7	15	25	35
22.3	22.1	24.6	22.0	26.0	26.2	24.6	24.3
7.8	8.0	5.5	6.0	4.1	3.9	5.5	5.8
30	18	11	5	5	12	20	35
	25.6	25.3	21.4	25.1	24.3	24.5	
	15	5	8.7	5.0	5.8	5.6	
	24.9	25.0	25.6	22.1	25.6	24.6	
	5.2	5.1	7.5	8.0	4.5	5.5	
	20	10	5	5	5	12	
			21.2				
			8.1				
			INVERT				

30.05 x

Roberts
Cota
Moore
Pollen
4-19-51
WB 15020

X-Section Sea Breeze Drive
Cumberland & Lauder

(Marked from Improvements)

INDEXED
APR 26 1951

R 50

1700

235.83
10.20
25
corn

234.33
11.65
15
LIP

234.3
11.7
15
Gut

235.0
11.0
3

237.7
8.3

243.3
2.7
3

244.2
1.8
25

244.9
1.1
50

0+95

Drive (20')
Opening in curb

236.56
9.47
30
Floor

236.01
10.02
25

234.63
11.40
15
LIP

0+50

237.9
8.1
25

237.66
8.37
15
cb

236.8
9.2
15
Gut

237.3
8.7
2

239.3
6.7

241.4
4.6
3

243.7
2.3
14

243.9
2.1
25

244.6
1.4
50

0+00

N. of Line Cumberland

240.4
5.6
25

240.38
5.65
15
cb

239.5
6.5
15
Gut

239.9
6.1
3

240.3
5.9

240.1
5.7
10

243.1
2.7
19

243.4
2.6
25

244.1
1.9
50

0-10

N. of Curb Line Cumberland

240.25
5.78
30
cb

239.65
6.38
30
Gut

240.87
5.6
25
cb

240.23
5.80
23
Gut

240.43
5.60
20
Par

240.2
5.8
15

240.7
5.3

241.7
4.3
25

243.1
2.9
50

0-30

C Cumberland

240.70
5.33
30
Par

241.26
4.77
25
Par

241.35
4.68
20
Par

241.7
4.3

242.8
3.2
25

243.5
2.5
50

246.03

↑

BX

4.08 246.03 N

241.95 SWBP

Sea Breeze & Cumberland (F.B. 1692-26)

2730

15' Curb Inlet

2700

1462

1450

Rain

T.P.

3.56

236.73

12.86

233.17

236.73

1422

1414

246.03

14

15

16

17

230.92
5.81
15
cb

229.94
6.77
15
Gut

229.98
6.75
132
Box

229.5
72
50

230.7
6.0
25

231.15
5.52
15
cb

230.4
6.3
15
Gut

231.3
5.4

232.2
4.5
15

232.2
4.5
25

233.5
3.2
50

229.2
7.5
50

231.1
5.5
25

232.14
4.59
15
cb

231.5
5.2
15
Gut

232.7
4.0

233.8
2.9
25

234.2
2.5
48
Garage

230.0
6.7
40

231.0
5.7
25

232.65
4.08
15
cb

232.0
4.7
15
Gut

232.9
3.8
2

235.7
4.0

239.1
42.4
5

240.3
43.6
25

240.6
43.9
30

235.7
103
45

235.6
10.4
25

233.96
12.07
15
cb

233.2
11.8
15
Gut

234.0
12.0
2

237.4
8.6

240.8
5.2
5

241.3
4.7
25

242.7
3.3
50

235.9
10.1
45

235.8
10.2
25

234.33
11.70
15
cb

233.5
12.5
15
Gut

234.4
11.6
2

237.6
8.4

243.3
2.7
4

244.0
2.0
25

244.7
2.4
50

246.03

Check

4.02

241.96 - 0.01 =

Starting BM = 241.95

T.P.

9.61

245.98

0.36

236.37

Still Raining

2+98⁸

Q Lander

4.12	4.57	4.15	3.4	1.8	4.6
50	25	15	25	50	
Pav	Pav				
232.36	231.42	232.16	233.3	234.9	236.1
4.37	5.81	5.6	3.9	2.4	1.7
50	25	15	10	17	25
cb	gut	cb	gut	cb	gut
232.36	231.42	231.1	232.0	232.8	235.0
4.98	5.6	4.7	3.9	2.4	1.7
50	15	15	10	17	25
gut	gut	gut	cb	gut	cb
231.75	231.42	231.1	232.0	232.8	235.0

2+83⁸

So. Curb Line Lander

4.7	5.15	5.8	5.1	2.8	2.2	2.2	6.1
50	15	15	17	25	37	50	
cb	cb	gut	cb	gut	cb	gut	cb
232.0	231.58	230.9	231.6	233.9	234.5	234.5	230.6
4.7	5.15	5.8	5.1	2.8	2.2	2.2	6.1
25	15	15	17	25	37	50	
cb	cb	gut	cb	gut	cb	gut	cb
232.0	231.58	230.9	231.6	233.9	234.5	234.5	230.6

2+73⁸

So. Line Lander

KAWAIA

2+50

Rain

5.3	5.3	5.54	6.4	6.0	8.3	6.8	6.4	5.6
29	23	15	15	60	14	21	25	50
cb	cb	cb	gut		Pth.			
231.4	231.4	231.9	230.3	230.7	228.4	229.9	230.3	231.2

2+37

15' Rt 8' Headwall 24" Culvert

7.89	11.30
13	15
Top	INVERT
Headwall	

236.73



236.73



REDUCED

D. Smith
C. Allen
Nick
H. Bruner

Re Cross Sec. Alley BIK 3 Wilshire Pl.

INDEXED

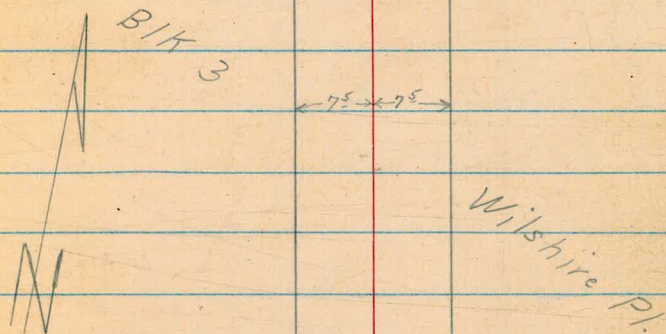
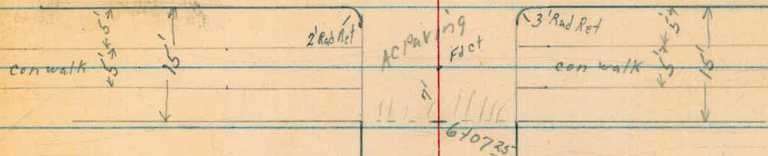
Wot# 31887 53
6-18-51

JUN 10 1951

Meade Ave.

Note: Checks Field Book 1595-68 done 10-1-41
1537-68 done 2-7-38

PLOTTED
R. DE HAAS
6-21-51



El Cajon Ave

X Sec Alley

Blk 3 Wilshire Pl
west

East

54

0+60 14° RT garage floor south end
0+54
0+51 7° RT Begin con apron for 4 garages con floor

365⁵⁶
14° con floor

363⁷⁶
74
Top water valve

365²² 365³⁷
76 14
apron apron

0+51 7° RT end cold lay parking

365²⁵
72
cold lay
edge

0+50 64 LT & 14" Power Pole PA 4311

364¹⁷
72
Top water valve

0+42 7° LT water meter

365³ 365² 365³⁷ 365⁴⁴
75 75 25
cold lay cold lay

0+45 7° LT end Bldg

0+29 7° LT & Deadman

0+25

365⁶ 365¹ 365⁰ 365⁰² 365¹⁴
75 50 74 30
cold lay cold lay

0+00 7° LT Begin Bldg
84 RT & Water Meter
74 RT Begin Cold lay paving

364¹⁵ 364²⁸ 364²⁵ 364³² 364⁵⁶ 363⁸⁶
75 75 74 74 84
cb gut cb Top water meter

0-25 Ncb line E/Cajon

363⁷⁷ 363³⁸ 364⁰⁶ 363⁵³ 363⁵⁷ 363⁶⁰ 364¹⁰ 363²³ 364¹⁶
50 50 95 93 95 95 85 50 50
cb gut cb gut cb gut cb

BM

363⁵⁶ SW BP
E/Cajon
Van Dyke

West
Lt

East
RT

1459 11^{1/2} Lt & double garage con floor

365¹⁵
11^{1/2}
Floor

1450

365¹⁴ 365¹³ 365¹² 365¹¹ 365¹⁰
11^{1/2} 7^{1/2} 7^{1/2} 7^{1/2} 11^{1/2}

1437 11^{3/4} Lt & double garage con floor

1437 10^{1/2} Rt & double garage con floor

365⁴⁷
11^{3/4}
con floor

365¹⁷
10^{1/2}
con floor

1420 8^{3/4} Lt & water meter

TP

365³⁷

364³⁸
8^{3/4}
Top water valve

1406 6^{1/2} Rt & water meter

364³⁷
6^{1/2}
Top water valve

1405 9^{1/2} Rt & single garage con floor & apron

365⁵² 365⁵⁶
9^{1/2} 10^{1/2}
apron floor

1400

365³ 365⁴ 365¹
7^{1/2} 7^{1/2} 7^{1/2}

0498 7^{1/2} Rt End con apron

365⁴⁴
7^{1/2}
apron

0496 13^{1/2} Rt end garages

365⁵⁵
13^{1/2}
con floor

0477 Rt Water Meter

364²⁵
6^{1/2}
Top Water Valve

West
Lt

E

East
Rt

2+73 6^{1/2} Rt E Water Meter

363⁵⁴
6^{1/2}
Top water valve

2+70 8⁰ Rt end board fence

2+68 E SM Hole

363⁹⁸
1111

2+50 7² Rt end wire fence begin board fence

364³ 364⁴ 364³ 364³ 364⁴ 364²
25 75 50 75 25

2+30 6^{1/2} Lt E water meter

363³⁶
6⁵
Top water valve

2+15 6^{1/2} Rt E water meter

364²⁷
6⁸
Top water valve

2+00 7⁵ Rt end shed Begin 4' wire fence

365³ 365⁰ 365⁰ 364⁹
75 30 75

1+95 6^{1/2} Lt E water meter

364²²
6⁵
Top water valve

1+88 6^{1/2} Lt E Water meter

363⁹⁰
6⁸
top water valve

1+82 7^{1/2} Lt Begin shed

1+76 7⁰ Lt E 12" power pole #PAH327

3483 11⁰ Lt E single garage con floor

3454 7⁰ Lt E water meter

3450

3430 11⁰ Lt E single garage dirt floor

3425 5⁸ Rt E water meter

3404 7¹ Lt E water meter

3400

2490 13⁵ E double garage AC floors

2488 7² Lt E 8" power pole #PA 4351

2480 6⁷ Lt E water meter

West
Lt

E

East
Rt

57

362⁶⁶
11⁰
Floor

361⁶⁰
7⁰
Top valve

362⁵ 362⁶ 362³ 362² 362⁶ 362³
15 75 50 75 15

363⁴
11⁰
Floor

362³¹
5⁸
Top valve

362⁶⁹
7⁴
top water valve

363⁸ 363⁸ 363⁵ 363⁵ 363⁷ 363⁶
115 75 50 75 13

363⁵⁹
13⁵
Floor

363⁵⁰
6²
Top water valve

44916³ RT & water meter

4484 12⁴ RT & double garage con floor

4462 12⁵ RT & double garage con floor

4459 6² LT & water meter

4450

4430 7² LT & water meter

4428 6² RT & water meter

4406⁵ 6³ LT & 12" power pole #PA 4367

4400

3791 7⁴ LT & water meter

TP₂

362¹³

west
LT

East
RT

360⁶³
63
Top valve

361²⁷
12⁴
Floor

361²⁶
12⁵
Floor

360⁵⁰
62
Top valve

361² 361²
20 75

362²

361⁷ 361⁸
75 12

361¹⁵
75
Top valve

361¹⁴
13
Top valve

362² 362² 362² 362² 361⁵
20 75 75 20

361⁵⁵
74
Top valve

5483 7° Lt & water meter

5-

5474 7° Rt & water meter

5474 7° Lt End 3' con rock wall

5464 7° Lt Begin 3' con rock wall

5456 11° Lt & single garage con floor & apron

5450

5447 14° Lt end double garage con floor & apron

5426 7° Lt & water meter

5423 14° Begin double garage con floor & apron

5407 7° Lt & 14' power pole PA 4383

5400

West Lt

E

East Rt

362⁶⁵
7²
Top valve

362⁰⁹
7²
Top valve

362⁷ 363² 365⁹²
7² 7² 7²
Footing ground Top wall

362⁷ 363² 365⁹²
7² 7² 7²
Footing ground Top wall

363⁵⁰ 363²⁶
14² 11²
Floor Apron

362⁹ 362⁹ 362¹ 362⁷
16 7² 7²

363³³ 363¹⁶
16² 14³
Floor Apron

361²¹
4²
Top valve

363²⁵ 363¹³
16² 14²
Floor Apron

362¹ 362⁰ 361² 361⁸ 361⁵
15 7² 7² 7² 20

West
4T

Q

East
RT

60

5 BM

✓
364¹⁷ NW BP
364¹³ Cape land
Meade

5 6+22²⁵ South C6 Meade

362 ²⁸	362 ¹⁵	362 ¹⁸	361 ⁶²	361 ⁴⁰	361 ³²	361 ²¹	360 ⁶⁵	361 ²⁵
45	48	93	93		10 ⁵	10 ⁵	50	30
cb	94	cb	94		94	cb	94	cb

5 TP₃

361⁸⁰

5 6+07²⁵ South Prop Meade

362 ³¹	362 ⁰²	361 ⁸⁹	361 ⁹²	362 ⁰⁸
76	76	70	75	75
cb	94		94	Topcb

5 6+00

362 ⁸	362 ³	362 ⁴	362 ²	362 ⁵
93	62		70	73

5 5+97 Q S M Hole

362⁵⁶
rim.

D. Smith
C. Allen
R. Shepard
Nick

Levels (Grid) for Proposed Pump Sta.
South Monaco
Sunset Cliffs Blvd.

W0# 20635-61
7-11-51

0+50

INDEVEN

JUL 13 1951

9³⁷
Sunset Cliffs

9³⁷ 9⁴¹ 8⁵⁵ 4⁰⁷ 4² 5⁰

11^{34.55} 20¹ 26² 26²

24 24 32 47 66 83
9at cb

95 115 122 126
rim

0+40

87° RT Basin
Easterly edge 19' wide tunnel (wave)

9⁵⁵

9⁵⁵ 9²² 8⁶ 5⁰ 4¹ 4³⁵

5² 7⁸ 13⁴ 14³ 17¹ 22⁸ 26⁵

24 24 32 48 65 83 87 99 104 110 118 130
9at cb

95 115 122 126 130
rim

0+30

9²⁰

9²⁰ 9³⁴ 9^{36.55} 5^{140.45} 4¹ 4¹⁵

14⁴ 23² 31⁰

24 24 30 45 71
9at cb rim edge bank

102 130 150
rim

0+20

9⁰⁵

10¹⁰ 9⁴⁵ 8⁷ 5² 5¹ 4⁴⁵

5⁸ 9¹ 15⁴ 30¹⁵ 26¹³

24 24 31 35 40
9at cb rim edge bank

52 60 110 136
rim

0+10

9⁴⁵

10⁴² 9⁵⁴ 8² 5⁸ 5⁵ 4^{0.55}

34^{.85} 10²

24 24 32 40 49
9at cb rim

59 edge bank

24' RT & 12' cb opening in let.
0+00 & Sunset Cliffs & Monaco

9³⁷

10²² 9⁵⁹ 9⁴⁹ 6⁶ 6¹

14⁵

24 24 29² 40 46
9at cb back inlet can rim

55 edge bank outlet

Note: Base line & Sunset Cliffs Blvd. extended to south. Fd L+Ts shown on tie sheet, 842.

(2) 24' corrugated pipe

BM 8⁵³

45⁵⁵

37⁰² SKBP
Sunset Cliffs
Monaco

45⁵⁵

17110

Sunset
 8:37.45
 16.6
 edge
 AC
 37.45
 32
 40
 53
 74
 rim
 westerly
 55

17046 10° RT & SMH

8:41 37.14
 8:25 37.30
 19.2
 edge
 AC
 37.55
 28
 45
 57
 83
 rim

1700 85° RT end Easterly edge 15' wide tunnel (wave)

07995 112° RT & SMH
 07991 22° RT & SMH
 07975 26° RT & SMH
 07955 & crosses SMH
 0790

8:53 37.02
 8:32 37.23
 20.0
 edge
 AC
 37.75
 78
 29
 50
 66
 90
 20°
 273
 100
 113
 rim

0780

8:21 36.84
 8:52 37.05
 22.3
 edge
 AC
 37.35
 82
 29
 40
 50
 70
 46
 40.85
 40.95
 28.85
 167
 92
 105
 120
 rim

0770

8:25 36.65
 8:21 36.84
 23.5
 edge
 AC
 37.25
 83
 30
 43
 77
 100
 16°
 119
 126
 rim

0760

9:50 36.05
 8:27 36.58
 23.2
 edge
 AC
 37.55
 85
 31
 46
 76
 86
 40.75
 41.05
 39.65
 135
 172
 107
 117
 126
 rim

0754 End of on west

9:12 36.43
 24
 out
 9:05 36.50
 24
 stand

45 55

Sunset
cliffs

Westerly

1750

37.90	37.88	40.55	41.15	41.85	41.65	29.75
765	767	50	44	32	32	15.8
	edge Ac.	13	24	34	45	70 rim

1740

37.73	37.78	40.35	40.55	41.65	41.55	29.85
782	777	52	50	39	40	15.7
	edge Ac.	17	29	35	46	70 rim

1730

37.61	37.60	38.95	39.85	41.45	41.15	29.15
794	795	66	57	41	44	16.4
	edge Ac.	22	32	40	50	74 rim

1720

37.49	37.53	39.25	40.95	41.25	40.05	28.05
806	802	63	46	43	55	17.5
	edge Ac.	33	40	50	55	79 rim

45 55

INDEXED

NOV 24 1952

on Kettner

3' by Walnut st.

Survey of Block 155

Middletown

for loc. of Fire sta

20

5904

W.O. 20006

12-18-51

70.

Kettner Blvd.

Set Hub.

314.80'

ct.

7'

107.27'

50.13'

7'

ct.

Lot 3
Fire Sta. # 20

150.7'

100'

Block

155

Middletown

Vine st.

750.10'

75'

Set Hub.

See P.

Disk in case.

64
Fd. 7' ct.



314.80'

107.27'

50.13'

7'

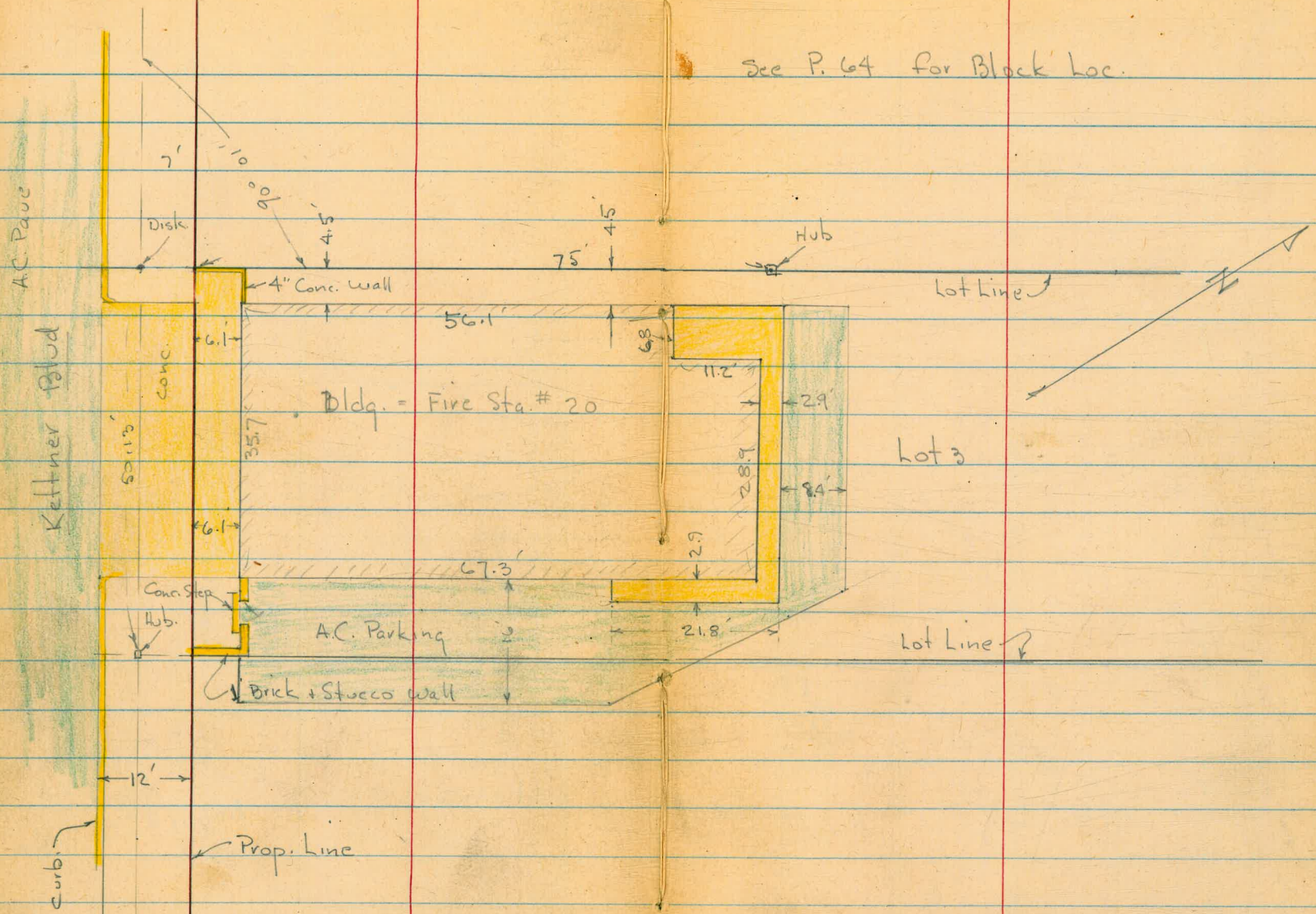
ct.

India St.

India

INDEXED
Law
DFC 19 1951

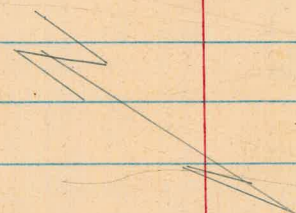
See P. 64 for Block Loc.



D. Smith
C. Allen
R. Taylor

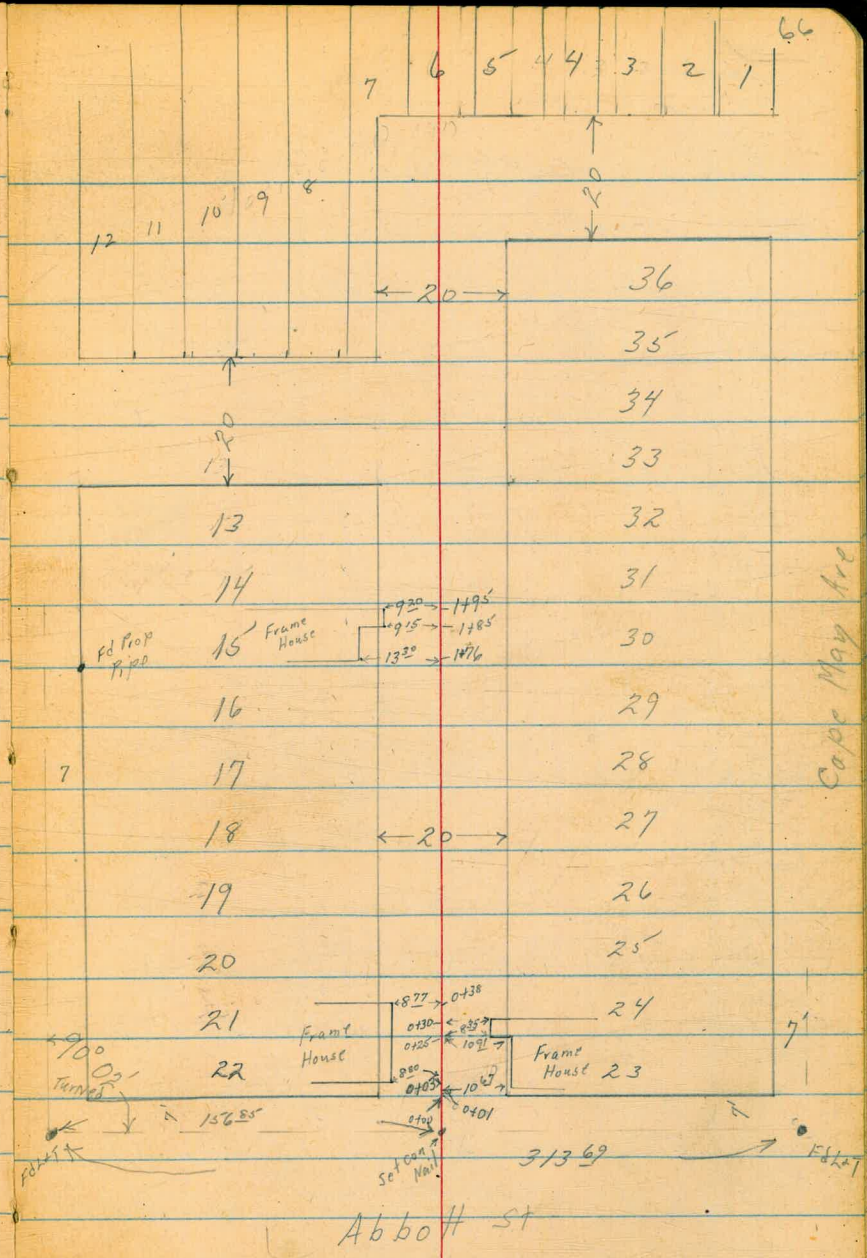
WO # 20006
3-4-52

Encroachments Alley BIK 78
Ocean Beach map # 279



Sara Togg

INDEXED
MAR 5 1952



CROSS SECTIONS FOR PROPOSED 24" STORM
DRAIN EXTENSION ACROSS LOTS 31-32 BLOCK 1
OF WALKERS ADDITION

L+ ± R+

INDEXED
FEB 1 1953

1+25	121.5 0	122.0 5 Toe	124.6 11 TOP New fill	125.4 28 at R/W. Fence
0+92.12	121.1 0	122.0 7 Ground	125.53 7 TOP 9" Ret wall Conc.	
4" C.I. Sewer 1+06.32	121.3 = Ground 122.46 0		121.4 3 TOP New fill	125.0 9
B.M.			122.53	

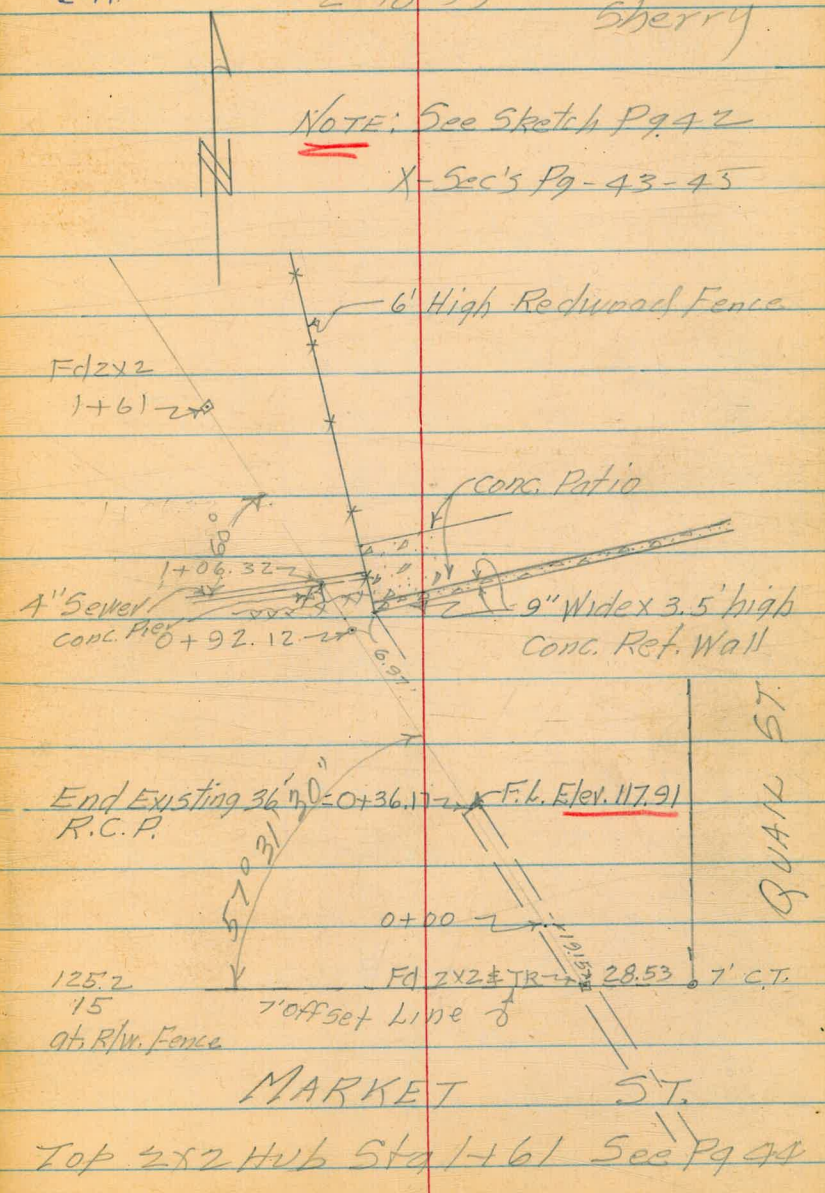
W.O. 20797
2-17-53

55.32
19.15
0+36.17

2-18-53

Stamped
Huffman
Shroyer
Sherry

NOTE: See Sketch Pg 42
X- Sec's Pg-43-45



Flood Water Data
on Bond property in

Mission Valley 6/4/53

C.H. Sommermeier

N.O. 20006

INDEXED
JUN 3 1953

Information as to height
of flood waters given to
me by Mr. Bond.

B.M. Elev. from ^{CHS} Page 5.

Elevations are city datum.

(lasted 2 or 3 hrs only)

1937 - High water (Crest

32.0

sustained for several days)

1927 - High water (Crest

31.7

1916 High Water.

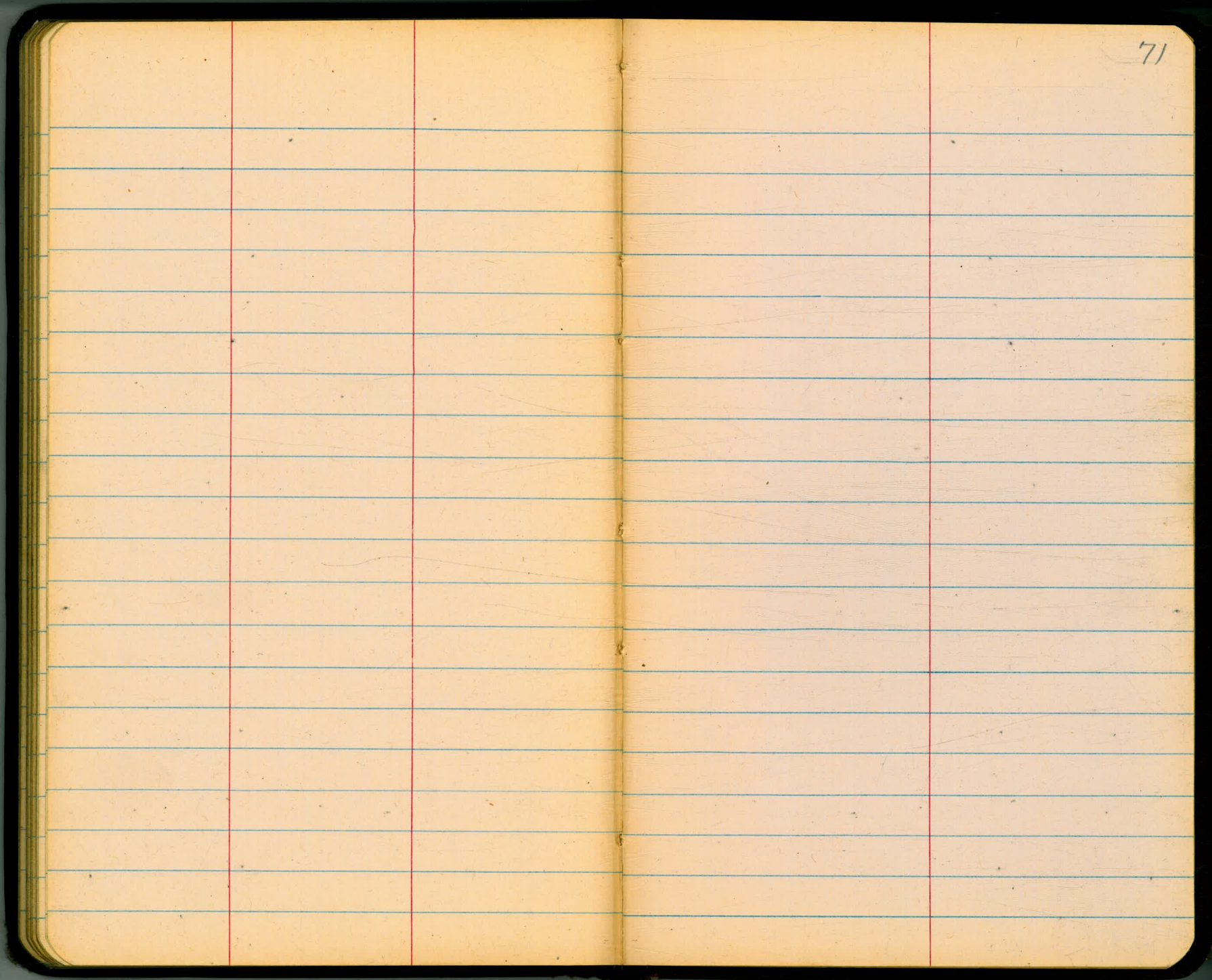
32.3

(sketch - Page 3)

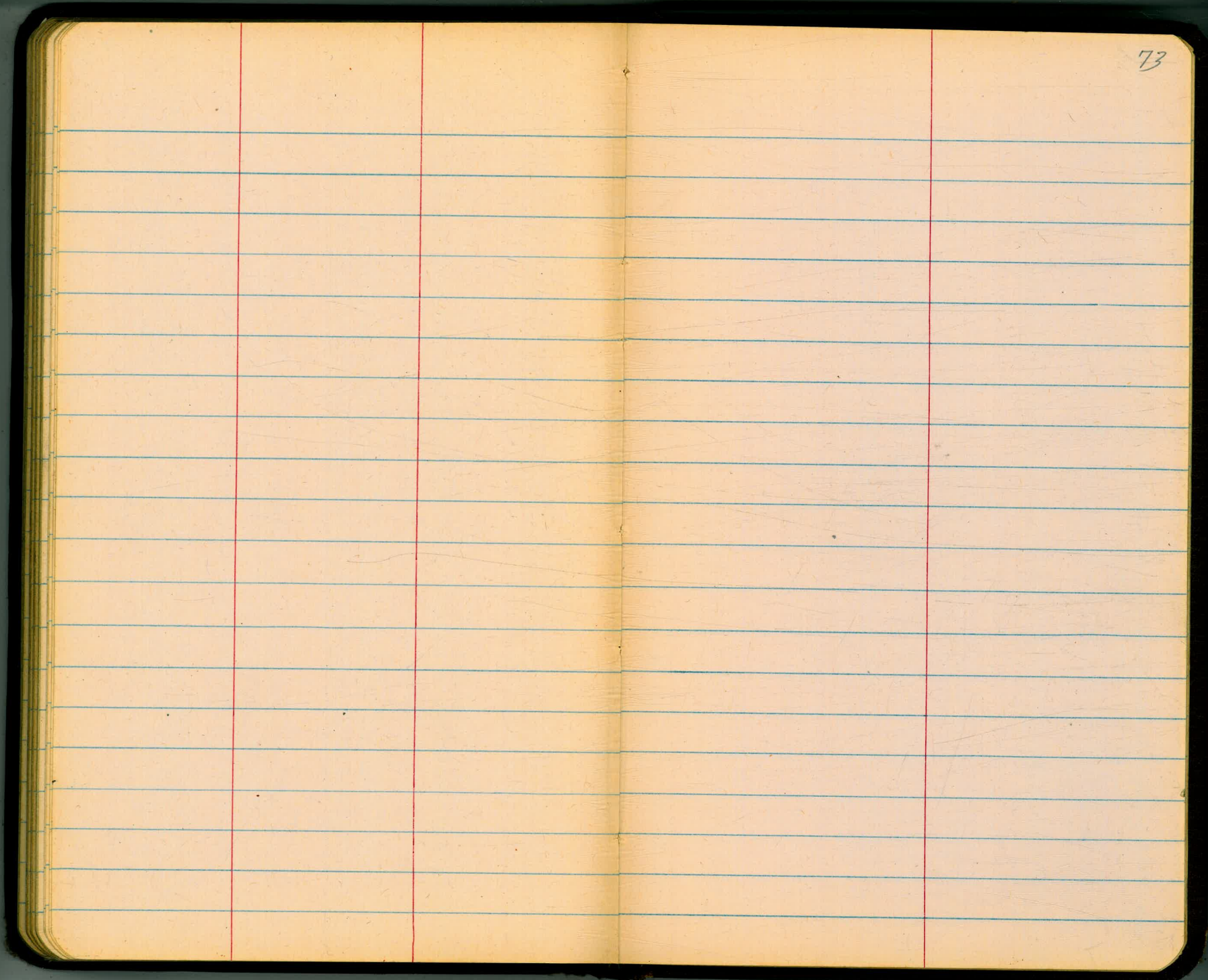
Floor level of main house

32.5

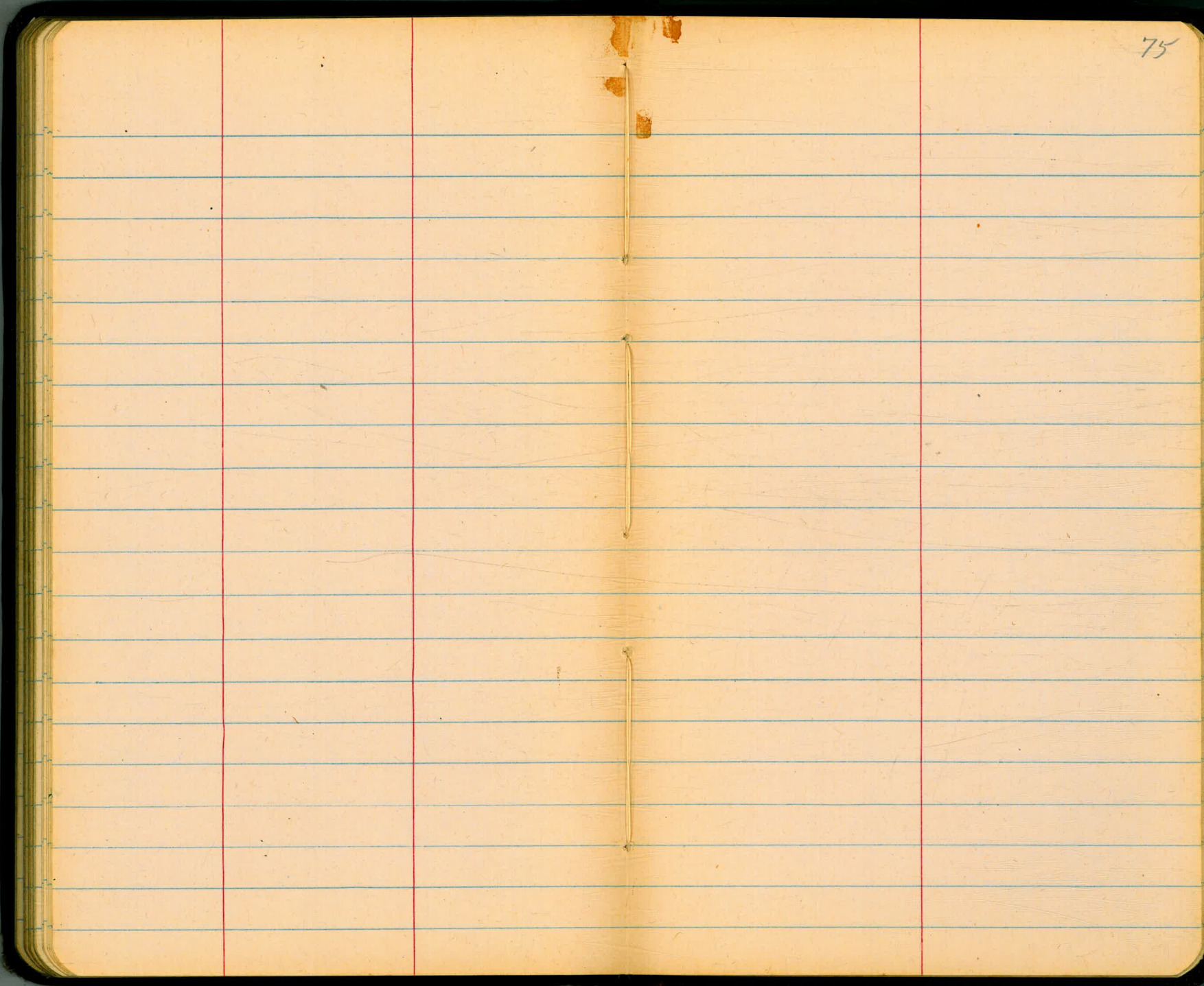
The image shows an open notebook with two facing pages. The pages are cream-colored and feature light blue horizontal ruling. Each page is divided into three vertical columns by two red margin lines. The right page has the number '70' written in the top right corner. The notebook is bound in the center, and the pages appear slightly aged with some minor discoloration and a small brown stain near the gutter.

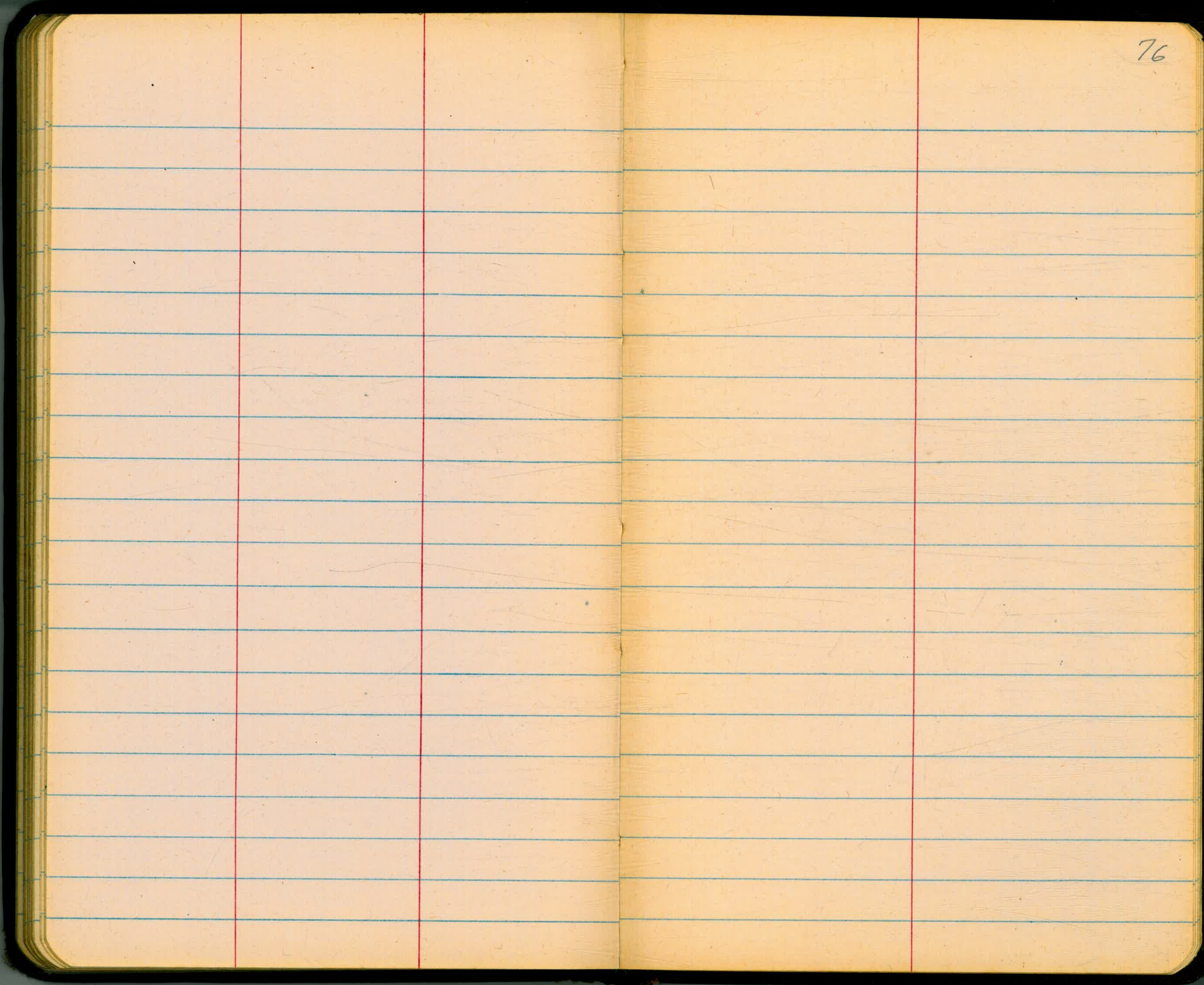


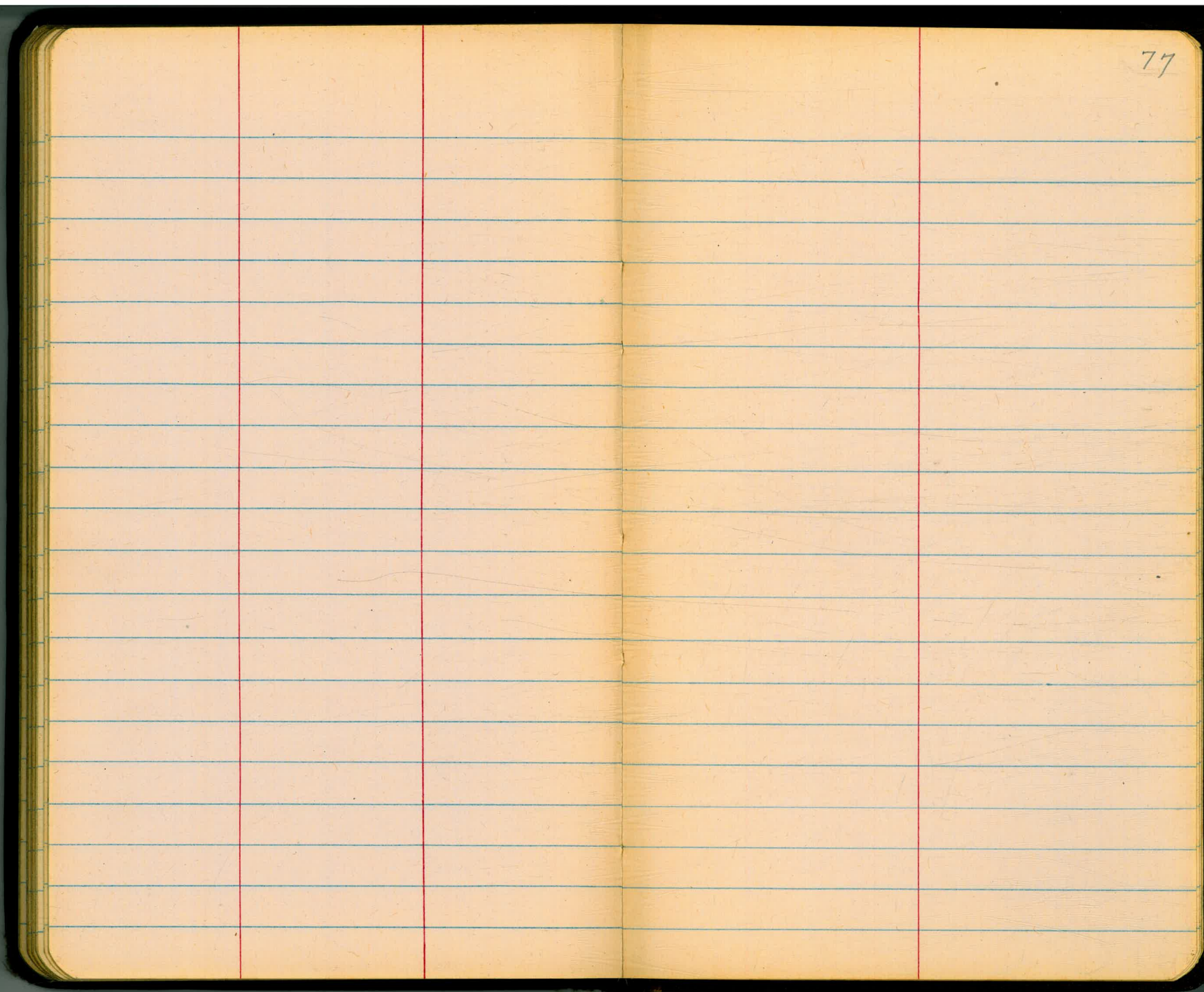
72



74







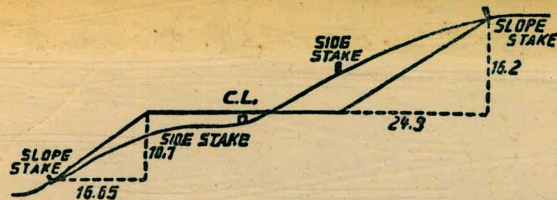
Flood water; Bond Property
Mission Valley

N.W.B.P
Copeland
Meads 36447

50.13
12
25

87.13
58

86.63



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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