

2206

SEWER

---

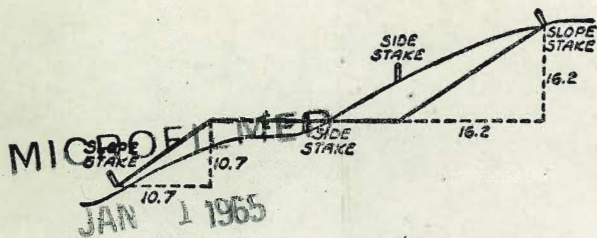
---

TRANSIT 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

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

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.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

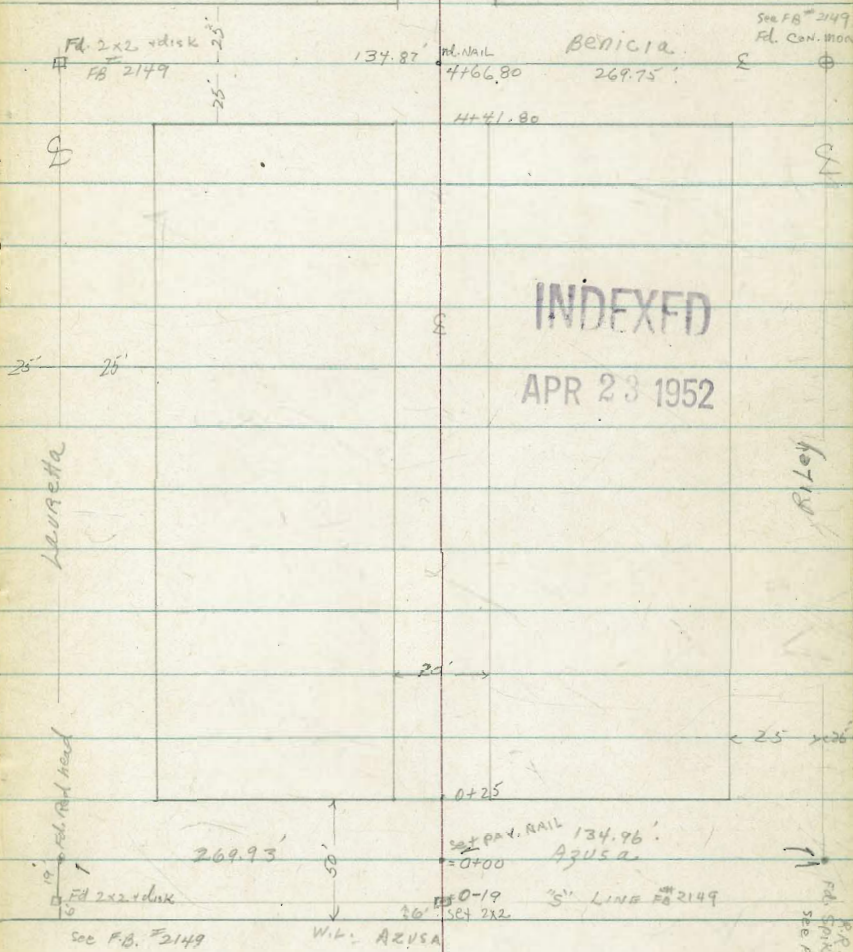
INDEX

	Page
Sewers, et al. Bonicia, Hueneme et al	
Profile & cuts; addit levels - Silver Terrace	1-11
Sewer notes P.L. 1101	12-14
Tie Check Along Linda Vista Road near Moreno Blvd	15
Details Elec. M.H.'s on Azusa St at Old Town Sub-Station	16
Sewer Survey - Sunshine Gardens	17-
MUIR + WEST POINT LOMA - PROPOSED SEWER	30
BANGOR + TALBOT	" "
	32



Clark 4-21-52  
 Shephard W.O. 31813  
 Bruner  
 Bryson

Silver Terrace - Bk G.  
 Profile & OUTS - Sewer - Alleg. Between  
 Lauretta + Riley from Azusa to  
 Benicia



Notes: Page 4

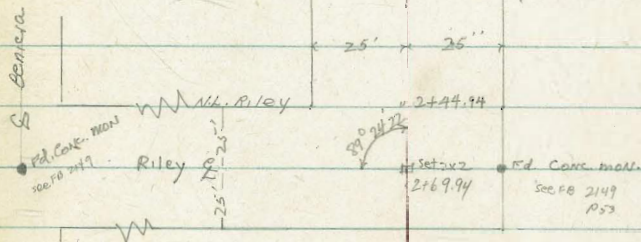
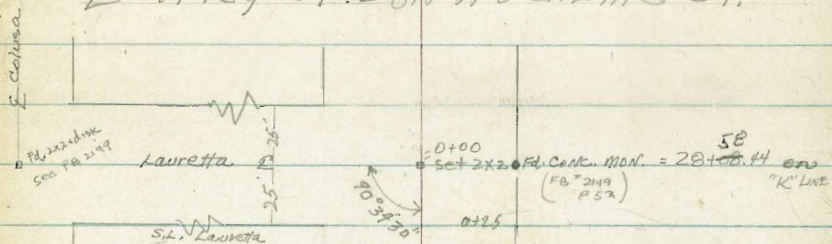






SEWER - Profile & outs -  $\frac{1}{2}$  Laurretta st. to (3)

$\frac{1}{2}$  Riley st. - ON HUENEME ST.



Notes: P. 10



Profile & OUTS - SEWER - Alley

From S AZUSA to S BENICIA <sup>between Lavrettat Riley</sup>

see sketch Q.1

N.  
LT

♀

S.  
RT.

0+50

28.1  
10.2

0+35 Brk

27.3  
11.0

0+30 Bog Fill 5' RT

28.1 26.1 25.2 27 26 28.1 37.7 33.3 32.5  
10.2 12.2 13.1 11.3 12.3 10.2 4.6 5.0 5.8  
10.0 5.0 10 5 10 14 shoulder 2.5 5.0

0+25 F<sub>10</sub> LINE AZUSA

28.1  
10.2

0+24 13' LT & 24" culvert

22.43 26.1 28.1 28.8 27.8  
15.9 12.7 10.2 9.5 10.5  
13 10 10 20  
F<sub>10</sub> LINE

0+15 shoulder

7.9 30A

0+10 Edge Pav.

29.40  
8.93

0+07 5' RT & S.D. GAS + F<sub>10</sub> T.M.H

29.57  
8.76 F<sub>10</sub> M

0+00 S AZUSA

29.46  
8.87

0-10 Edge Pav.

29.31  
9.02

0-14 shoulder

29.33  
9

0-19 2x2 = "S" LINE of Alley

26.39  
4.94

10.28 38.33

28.05 = S RR. Spike Riley + AZUSA { F<sub>8</sub> 2149 R5  
BM #16

38.33



SEWER - Alley AZUSA to Benicia

N

E

S

5

2+15

38.6  
10.0

2+10

END FILL ON RT  
53 RT & house

36.8 39.5 99.0 40.76  
11.8 7.1 9.6 7.85  
Toe Fill Shoulder  
5.3 Floor

2+00

33.4 33.3 35.1 35.3 38.9  
15.2 15.3 13.5 13.3 9.7  
100 50 10 10  
Irregular Fills

T.P.

10.83 48.61 0.55 37.78

48.61

1+75

31.4 30.9 32.1 33.8  
6.9 7.4 6.2 4.5  
50 Irregular Fill 30 10

1+50

60' & House

28.1 31.3 30.0 33.6 36.4 36.5 36.8 37.54  
10.2 7.0 8.3 4.7 1.9 1.8 1.5 0.74  
50 40 10 7 10 60 60  
Loose Fill Toe Shoulder ground Floor

1+25

28.0 29.8 29.8 28.0 31.3  
10.3 8.5 8.5 10.3 7.0  
50 40 12 10  
To P<sup>n</sup> Loose Fill Toe

1+13

8.7 RT Pole #469181 H

29.7 28.1 26.8 32.7 33.2 32.7 32.3  
8.6 0.2 11.5 5.6 5.1 5.6 6.0  
100 50 10 10 26 50  
Toe Fill Top Fill

1+00

Req. loose fill 10' RT (Irregular Fills - dump truck)

0+75

27.3 26.4 26.2 28.9  
11.00 11.9 12.1 7.4  
50 10 5

38.33



SEWER - Alky - Azusa to Benicia

3+65 73' LT. & house

	N			S
	LT.		RT.	
49.59	49.1	46.8	46.6	
4.20	4.7	7.0	7.2	
73	73	10		
T.P. cleanout	9.65			

3+53 8.9' RT. Pole #PA 5474

3+50

46.0  
7.8

3+35

45.1	45.4	43.8	43.0
8.7	8.4	10	10.8
	10	50	7.5

T.P. 8.58 53.79 346 45.21

~~53.79~~

2+96 50' RT & house

43.5	43.2	42.4	44.84
5.1	5.4	6.2	3.77
	10	50	50
		95	Floor

2+92 60' LT & house

47.56	44.8	43.4	43.4
1.05	3.8	5.2	5.2
60	60	10	
Floor	ground		

2+50

40.6	41.9	41.2	41.6	40.9
8.0	6.7	7.4	7.0	7.7
50	10		10	50

2+34 8.9' RT Pole #PA 5454

36.6 37.9 39.8 40.2

2+25

120 10.7 8.8 8.4  
100 50 10

~~48.61~~



SEWER Alley - AZUSA to Benicia

T.P. 7.01 44.93 11.87 41.92 (Cont. P.8)

4+66.80 Alley & Benicia

49.3  
4.5

4+58 Edge broken oil-pave.

48.8  
3.0

4+46 12.8' RT & Pav. #P1974

4+41.80 W. K. Benicia

48.7  
5.1

4+15 65' LT. E house

53.99 51.0 48.5 47.9  
+ 0.20 2.8 5.3 5.9  
65 65 10  
Floor Ground

4+00

47.2 47.0 45.6 44.3  
6.6 6.8 8.2 9.5  
10 50 75

3+73 7.1' RT to deadman

53.79  
↑



Profile & OUTS - SEWER E. Riley 150'

SOUTH ON BENICIA

Sketch Page 2

1+25

1+18

13.4' LT Deadman

1+00

0+95

130' LT E Pole (Anchor)

0+75

0+60

23.9' LT E house

0+50

0+25

S. L. Riley

Broken at Pav Benicia average 15.5' wide

0+12

Edge Pav

0+00 = E Riley & LINE 16.50 West E.L. BENICIA

E  
LT.

E

W  
RT.

8

35.13  
7.8

35.83  
9.1  
8.5

38.13

6.8

38.43  
6.5  
8.5

NOT EXACT E BENICIA  
but OK FOR ELEVAT.

40.03

40.23

40.23

40.43

40.53

39.43

4.9

4.7

4.7

4.5

4.4

5.5

8.5

20

25

33.5

85

W.P. Profile  
Bottom

40.93

43.38

40.93

40.53

40.93

4.0

1.55

4.0

4.4

7.0

23.7

23.9

16.5

8.5

ground

floor

40.93

4.0

3.9

8.5

41.03

41.83

3.1

3.4

8.5

41.53

41.63

41.83

40.63

39.43

3.3

3.1

4.3

5.2

31

33.5

46

85

W.L.  
BENICIA

41.46

3.47

3.66

8.5

41.27

41.89

3.04

3.32

8.5

E BENICIA

41.61

44.93



SEWER @ Riley to 150' South on BENICIA

Check: @ 59 36.34 = 36.35 Elev Sp. ke 6"x8" Pole @ BENICIA - S. L. GAINES  
B.M. #3 FB # 2149  
P. 4

1+50 (150.3) x 15' LT @ 12" Apple Tree

280' RT @ Pole # JP 1924

1+46.15 = 2x2 = 7+75.14 "E" LINE  
See FB # 2149

33.63	30.43	30.23	32.43	32.43	32.53	33.43	33.83	38.03	37.43
11.3	14.6	14.7	12.5	12.5	12.4	11.5	11.1	6.9	7.5
100	65	50	16.5		8.5	33.5	42	60	75

32.33  
12.6 11.9  
8.5

44.93  
\*



SEWER Profile & OUTS - E Laurretta St.

to E Riley on HUENEME

1+50

1+45

25.6 RT. N.E. Cor N. House

1+25

1+00

0+75

T.P.

3.08

173.44

12.34

170.36

0+50

0+25

S. Laurretta

0+20

0+17

0+00

E Hueneme & E Laurretta

1.40

182.70

181.30 = ELEV. Cons.

B.M. #12 F.B. #2149 P5  
Mon E Laurretta, E. Hueneme

E

E

W

165.7

2.7

165.8

2.6

165.9

7.5

167.2

6.2

169.44

4.0

100

171.84

1.6

50

171.44

2.0

25

169.24

4.2

173.44

10.9

171.8

174.7

8.0

174.9

7.8

177

5.7

179.4

3.3

181.70

181.70

164.8

8.6

25.5

ground

166.64

6.8

25.5

Floor

159.7

13.7

25

156.6

16.8

100

163.6

2.8

125

165.4

2.0

160

167.8

5.6

50

167.6

5.8

25







U. line  $\frac{FB2160}{49}$

Thru. P.L. 1101 from Gaines to Andrade

Additional notes 5-20-52

C.H.S.  
Beag  
Oltman  
Johns

W.O. 31813

Ref  $\frac{2160}{49}$

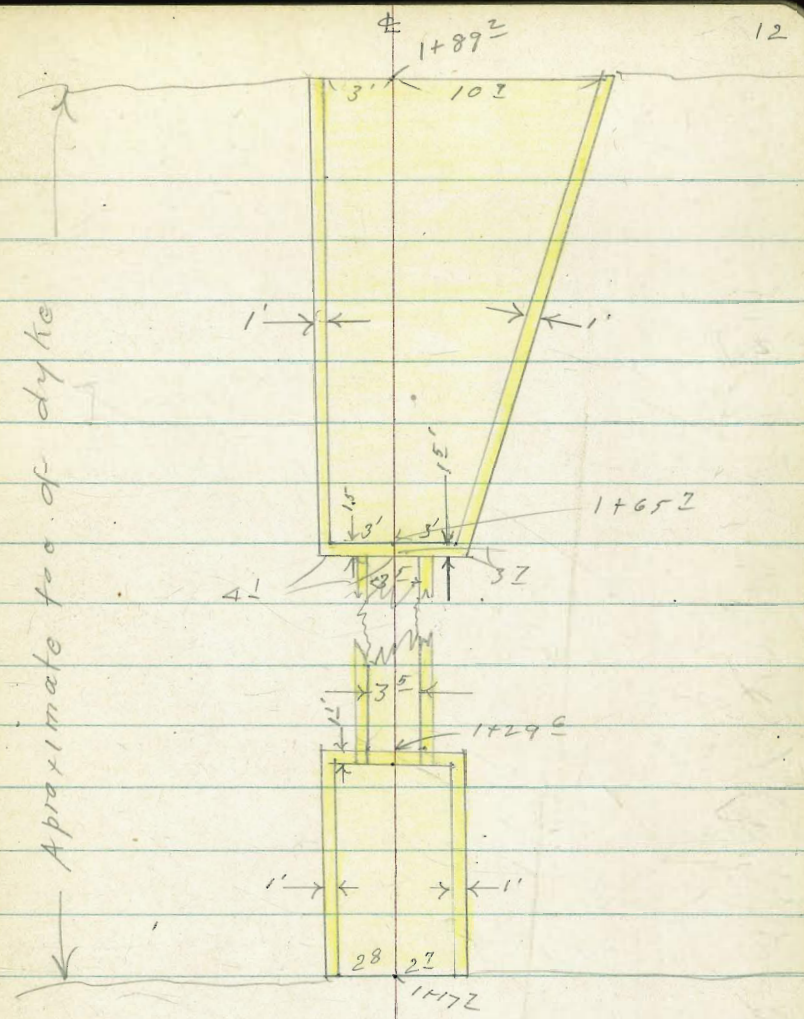
Stationing +  $\pm$  same as in  $\frac{FB2160}{49}$

$\pm$  =  $\pm$  sewer as run in FB2160-P29

Culvert is built over sewer crossing

Also face of head wall  
1+28 $\pm$  end intake + start 3" diam pipe  
2121+ } = end wing walls  
2111+ }

2121+ } start wing walls  
2111+ }  
1+17 $\pm$  start intake lip



0+00

0-25 $\pm$   $\frac{2160}{49}$



3 <sup>0</sup> rt. } - start wing walls. 4 <sup>1</sup> Lt					
1+65 <sup>2</sup> = outer face head wall	13.90 4 <sup>1</sup> end of head wall	13.90 3 <sup>1</sup>	13.88	13.86 3 <sup>0</sup>	13.82 4 <sup>1</sup> end of head wall
1+64 <sup>2</sup> = back face <sup>HT</sup> of head wall see sketch		14.27 14 <sup>1</sup> end of wall	14.10	14.17 3 <sup>1</sup> End of wall	
1+28 <sup>5</sup> = start 3 <sup>1</sup> diam conc. culvert. = face of head wall		13.54 3 <sup>8</sup> end of wall	7.67 I.F. Pipe	13.55 3 <sup>1</sup> end of wall	
2 <sup>2</sup> rt. } - end wing walls 2 <sup>2</sup> Lt					
1+28 <sup>5</sup> = end intake apron	12.90 2 <sup>8</sup> top of wing wall	7.47 2 <sup>8</sup> on apron	7.46	7.50 2 <sup>1</sup>	12.88 2 <sup>1</sup> top of wing wall
2 <sup>2</sup> rt. } - start 1' thick conc. wing walls 2 <sup>2</sup> Lt					
1+17 <sup>2</sup> = start conc. apron	7.57 2 <sup>1</sup> top of wing wall	7.57 2 <sup>8</sup> on apron	7.58	7.58 2 <sup>1</sup> lip	7.58 2 <sup>1</sup> top of wing wall
1+04			8.2		

Note actual elevations shown

B.M. = spike in pole # 4650 - EL = 11.61  $\frac{2160}{51}$



2+50

5.9  
50

5.3

5.0  
50

2+15

on ground

5.8  
50

5.3

5.0  
50103<sup>RL</sup> } = end Conc. wing walls  
3' Lt }1+89<sup>2</sup> = end Conc spillway apron6.0  
505.94  
3apron  
+ top of wing  
wall

5.96

apron  
+  
Gnd.

5.92

10<sup>2</sup>apron + top  
of wing wall

6.0

50

Gnd.

flapper type tide gate.  
outlet of pipe covered by 50' head3' Rt } = start Conc. spillway  
3' Lt } apron

1+65.71 = end 35' culvert

13.90

31

top of  
wing wall

6.33

3  
apron

6.33

7.33

4  
IE  
P100

apron

6.33

3  
apron

13.86

31

top of  
wing wall



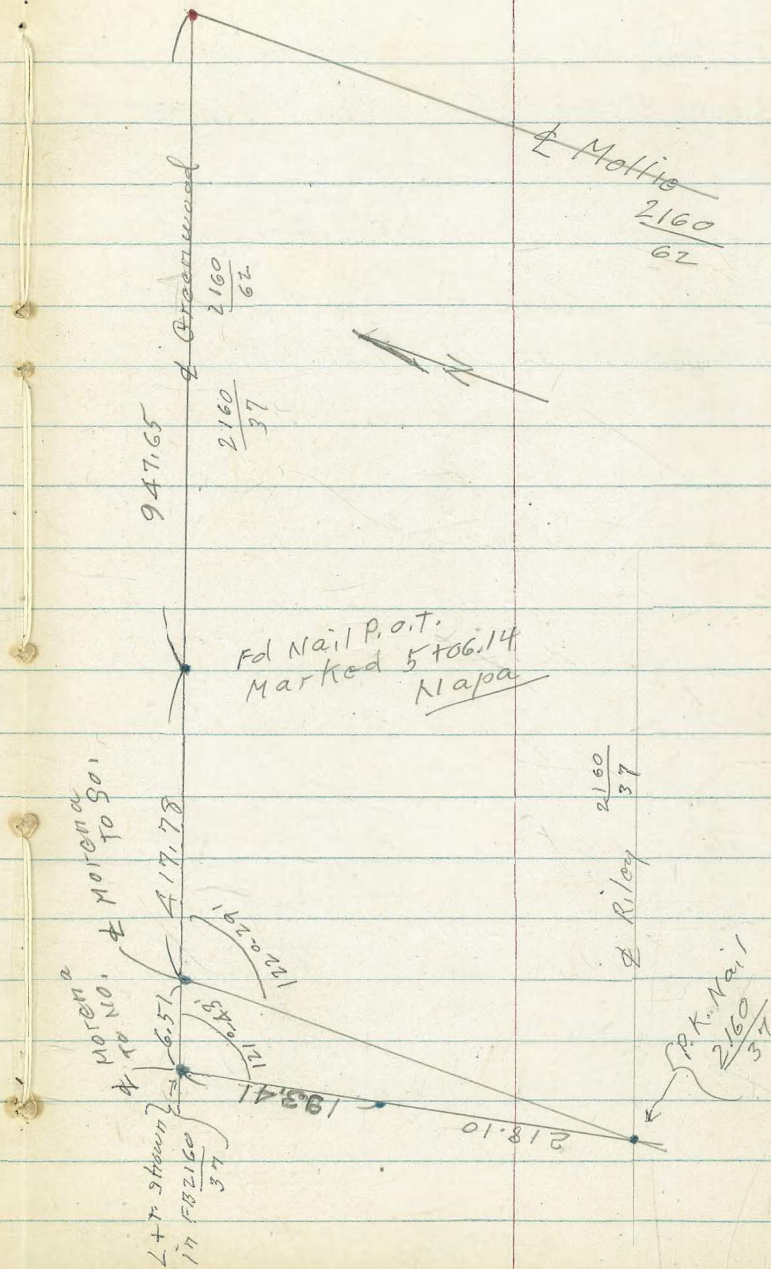
Check ties for "T" line  
Greenwood + Morena Blvd

FB 2160  
37

5-21-52

C.H.S.  
Begg  
oltman  
Johns.

Nail marked P.O.T. sta 5+06.14 (Napa)  
may be either to north or south.  
Please check those notes as I  
have no data on this ~~one~~





C.H.S  
Begg  
Oltman  
Johns

5-26-52

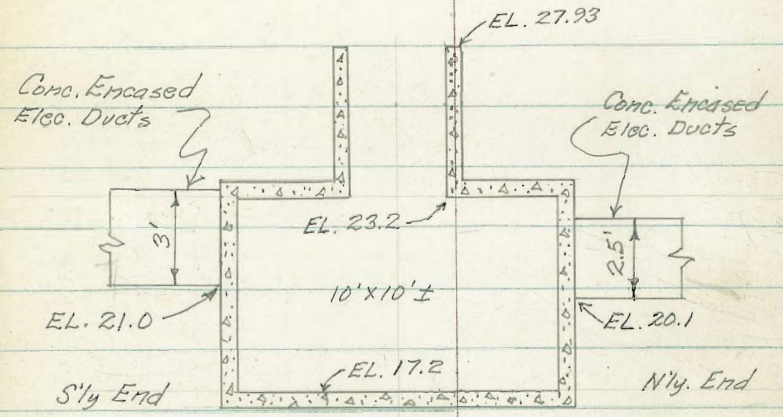
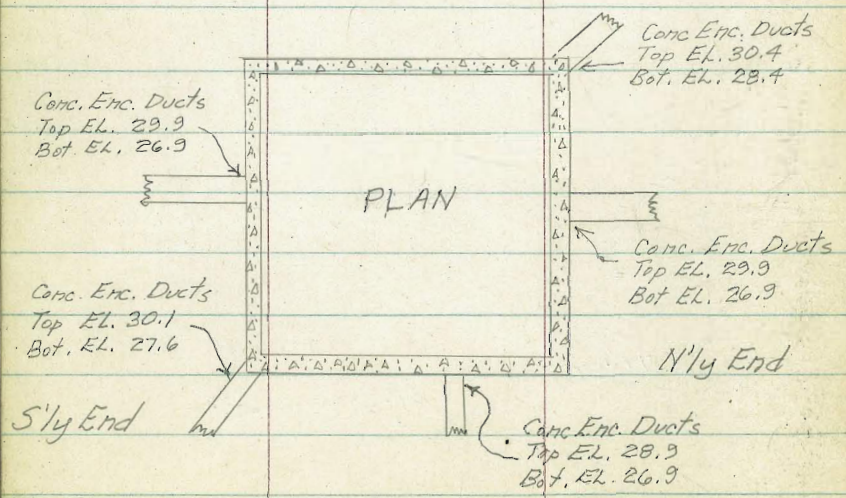
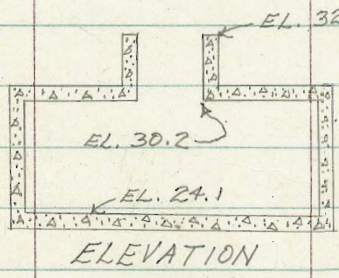
Manhole at Azusa & Riley

Detail of Elec. Manholes in  
Azusa Street bet. Riley St & Laurretta St.

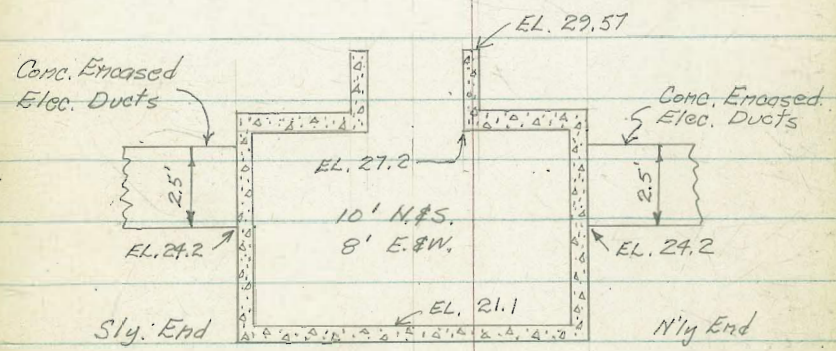
See San Diego Gas & Elec Co. Dwg. A-4639

Old Town Sub-Station

Manhole at Azusa & Laurretta



Manhole on Azusa Street  
at Alley bet Riley & Laurretta













Levels along  $\pm$  of Prop Sewers in Sunshine Gardens - See sketch - P. 17+18

2+92 = 19.7 Ht.  $\pm$  House  $\leftarrow$

2+50

2+00

1+50

1+00

Cont. Reg. Profile of "A" Line

65' E. = end

40' E

} Ground to S. is High

will take profile along  $\pm$  of 65' stub. to E.

A 0+85 = Ang.  $89^{\circ} 54'$  Rt. on "A" Line

0+60

0+35 = edge of Stream

0+03

0+01.75 = R.P. Cross on Shoulder

Begin "A"  $\pm$  at Exist. MH. on Trunk Sewer.

B.M. = 7' ct.  $\pm$  Nagal

+47<sup>th</sup> - Book 1673 - P. 6

75.37<sup>mm</sup>

Lt.  $\pm$  Rt.

76.88  
floor.

74.5  
19.7 = ground

74.7

75.1

78.7  
25

75.7

71.7  
80

69.1

100 = Stream

76.7

82.3  
70

80.3  
25

78.2

House on Nagal

76.3

81.4

80.24 = on Hub.

78.6

70.1

70.5 = Stream bed

74.17 = on Cross

74.85 = Top. of Lid.

(Conc. Lid - Cant Remove)

Actual Elev. Shown.











Lt.      #      Rt.

#.84292-H at Sub-line  
 Set. B.M. = spike in Pole - N. side      140.27  
 16 + 21.79 = end.

Highest point on Hill on Back Lot Line  
 15 + 75 = 7' Lt. = 11 Conc. Dr. out to Show

15 + 50

15 + 100

14 + 50

	139.5 8	136.1 3 edge	136.4	136.53 3.3 = edge	
	150.1 207 = Top	47.1 100 Dr. by E of House	46.8 50 Dr.	135.16 7 = Dr. =	134.6
	138.9 11	133.6 2 edge	133.6	133.77 2.1 edge	
	138.4 12	131.7 2.6 edge	131.7	134.75 2.1 edge	
	134.5 9 Top of bank	129.3 2.5 edge	129.4	129.65 3.1 = edge	



Nogal St E. of Escuela St.

Lt.

±

Rt.

Begin Levels along "E" Line - Nogal - E. of  
Escuela St.

5+00

05.8

06.2

06.0

8.5  
edge8.3  
edge

4+50

107.8

101.2

101.5

102.0

96.5

25

7

25

75 = wash

4+00

edge

96.1

96.3

95.9

3+50 - House on Lt.

92.35

91.2

edge

92.5

edge

3+23.30 = Ang 0° 43' 30" Rt.

floor

46.5

gr.

90.79 = Hub.

3+00 = Wly. of House on Lt.

91.25

88.7

89.3

89.6

89.4

floor

47

gr.

6

edge

11

edge

2+50 - House on Lt.

87.75

86.8

87.4

floor

82.2

gr.

2+00 = Ely. of House on Lt.

85.33

84.2

84.4

84.6

84.5

1+50

floor

52.6

gr.

5

edge

82.2

11

edge

1+20 - 61.8 Lt = ± House

81.57

80.3

81.1

floor

61.8

ground

1+00

Houses on Rt. are High

80.0

80.3

80.4

0+50 - House on Lt.

80.15

78.8

edge

78.6

78.8

78.5

13

edge

0+00 = 6+12.41 on "A" Line

floor

42.7

ground

4

edge

oil

12

B.M. = Pole - P. 20

78.13



"E"

Nogal St.

Lt.

±

Rt.

check B.M. on Mon. - 50' E.

128.12

128.09 = B. 1673

23.61 = on Hub.

10 + 15.65 = end

9 + 97 = 28.5 Lt. = wly. of House

26.30 22.6 22.6

floor 28.5

9 + 70

qr. 21.2

9 + 20 = low point of Vac. Lot on Lt.

13.7 18.2 19.8

75 25

8 + 90 = end pave

19.4

8 + 50 = Ely. of House on Lt.

19.88 18.4 18.9

floor 41.5  
qr.

8 + 00 = Ground on Rt. is High from Here on.

17.9

18.2

18.2

7 + 70 = ± House on Lt.

11

4

edge

18.10 17.3 18.0

floor 40.8

7 + 50

qr. 17.7

7 + 00 = House on Lt.

16.85

15.9

15.6

16.2

15.5

17.5

15.9

floor 45.8

11

7

25

75

qr.

edge

edge

6 + 50 = House on Lt.

14.73

13.6

14.4

floor

40.3

6 + 00

11.3

11.8

11.3

9.7

6

edge

edge

5 + 50

09.0

05.5

99.5

25

80 = wash



at Bottom of Page

Lt.      #      Rt.

Req. Levels along  $\phi$  of "D" 0+00 = 6+12.41 on A

Nogal - W. of Escuela  
 +16.3 w. = Ely of walk = 5.2 from ch.  
 2+42.60 = end

2+00

1+81.5 - 4.5 Rt. =  $\phi$  P. pole # 76421

1+62.60 = Ang. 90° Rt. - out to S.

1+30

1+00

0+50

Req. "G" Line 0+00 = 1+44.83 on "D" \*

42.44 W. = 7' Ld. + ct. = B.M.      75.37

2+04.83 = end. - Ely. of House on Lt.

1+61 = Ely of House on Rt.

\* 1+44.83 = Hub. = 0+00 of "G" to S. (Hub. under water)

1+00 = Ely of House on Rt.

0+50

0+00 = 6+12.41 on "A" West on Nogal from Escuela

B.M. = Hub. 6+12.41 "A"      76.87



88.9 10	86.91 = Ely. of walk		
81.18 on Hub.			
Top on Fill	86.8	82.1	
	10		
	on fill		
90.4	83.01 = Hub.		
47	90° to forward	79.5	
= Top of Fill	Tang.		
		76.3	76.0
			83 =
		75.2	Top of Slope
		74.5	
76.40	74.2	74.88 = on Stub.	
floor	39.4 gr.		
		74.8	74.9
			75.18
		74.5	42.8 gr. floor
		75.0	73.1
			74.41
		75.9	77 gr. floor
		77.3	



			Lt.	±	Rt.
Beq. Levels -	± "F" - 0+00 = 7+78.58 on "A"				
3+40 = End.			94.1		102.62 = on Hub.
			50		
			Vac. Lot.		
3+09 - 5.8' Lt. = ± P. pole					
3+00					100.0
2+50			90.5		96.3
			50		
			Vac. Lot		
2+08 - 6' Lt. = E P. pole # 76423					
2+00					94.8
1+78 - 6.5' Lt. = end wall			91.88	91.5	
			Top	6.5	
1+50				gr.	91.0
1+27 - 6' Lt. = Beq. 4" Conc. wall - Base for fence			90.46	89.3	
			6	6 gr.	
			Top wall		
1+06 - 5.7' Lt. = ± P. pole # 76422					
1+00			85.1		91.3
			50		
0+50 - all ground on Rt. is High					90.6
0+00 = Hub. = 7+78.58 on "A"					90.39 - Hub.
					7.21

Time Black  
Ed. 1892  
H. 2 of census







Req. Levels on 'I' Line - Cereza st.

3+36.60 = end 'I' = 0+40 on 'J' Line

3+00 - 15' Rt. = House

2+92 = E of 4'x4' Clothes post.

2+67 = 0.5' Lt. = E 4'x4' Clothes post.

2+50

2+00

1+94 = Req. Sta. Cont.

78.99' W. on E Cereza Prod.

1+70.60 = Ang 90° Lt. - cuts 90° to Back Tang.

1+40 = Brk. in fill on Rt.

1+00

0+50 - Ground on Lt. is High

0+00 = 9+30.09 on 'A'

B.M. = spike in Pole

114.07

Lt.

E

Rt.

28.  
17

14.94 = on Stub.

12.5

12.4

12.60

15

floor

9"

17.3

12.0

50

10.2

08.5

50

05.2

97.4 = on c.t.

05.48

04.7

97.4

on Stub

25

87 = Top of slope

08.3

07.5

05.4

25

86 = Top edge

10.2

09.9

06.7

25

89 = Top Cill

10.1

09.5

06.8

25

92 = Top edge of fill

107.25 = pin



49  
29  
177

Lt.      ±      Rt.

Req. Levels on "J" line

1+52 = end.

122.12 - P. 21

1+35 - 3.2 Rt. = ± P. pole # 76418

1+00

19.5      16.8  
100 = Jac. Lot

0+67 - 3.3 Rt. = end Shed.

0+52.5 - 2.8 Rt. = end fence + Req. old shed

0+40 - 2.9 Rt. = fence = 3+36.60 Page 28

14.94      15.8  
Stub.      6.5  
gr. at  
Cor. House

17.9' Lt. = Cor. House  
0+08.4 = 8" Conc. Tile wall - 3' Rt. = Picket fence

12.55      10.9  
Top wall      gr

0+00 = 40' w. of 3+36.60 on "I" Line

10.94 = on Stub.      13.6

38.4' w. = curb on 47<sup>th</sup>

02.16 = Top of cb.      28' gr. = Back of Store



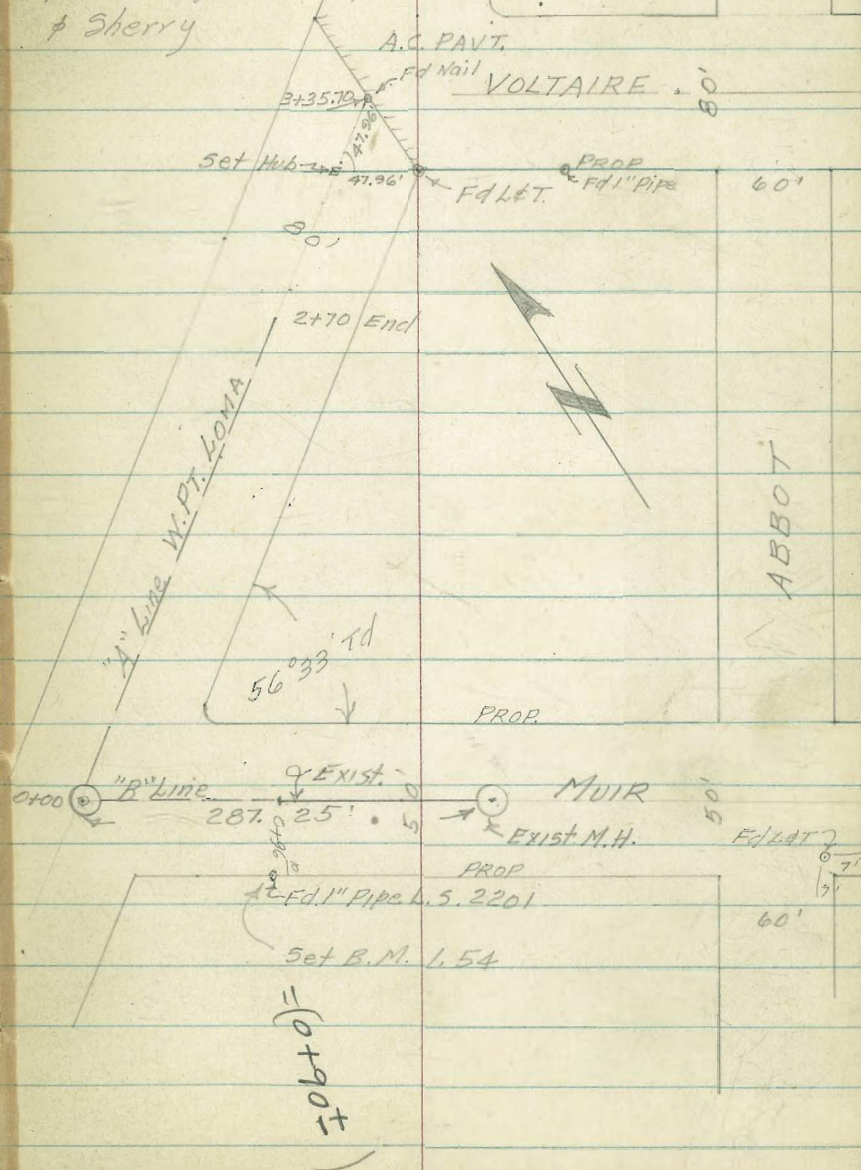
LOCATION & ELEV. OF EXISTING 8"  
SEWER MUIR & W. PT. LOMA; PROFILES  
OF PROPOSED EXTENSIONS

STA	OBJECT	ANGLE
	R.H. in A.C. 3+35.70	
0+00	Rd Muir St. Sewer M.H.	56°31'
	R.H. in A.C.	
0+00	Rd Muir St. 0+26.10 End Sewer	55°54'

INDEXED  
MAR 19 1953

3-18-53

Stamp  
Huffman  
& Sherry  
& Sherry





PROFILES OF PROPOSED 6" SEWER  
EXTENSIONS MUIR & W. PT. LOMA

Ref. Elev. 3-18-53

2147  
26

Sta. + H.I. - Elev.

"B" LINE

2+87.25	Invert M.H. & Muir	-4.87
0+96.10	Invert 6" V.C.P.	-3.81
0+96.10	Top Ground	1.2
0+75		1.1
0+50		1.5
0+25		0.0

"A" LINE

3+35.70	Top R.H. in A.C.	1.41
3+00		0.9
2+70	End	0.9
+50		0.7
2+00		0.7
+50		0.4
1+00		0.1
+50		0.2
0+00		0.2

B.M. 1.52

N.E. B.P. Voltaire & W. Pt. Loma



Profile Proposed Sewer  
Banger St. - Talbot 400' Sly.

INDEXED

JAN 8 1954  
The Pacific Street 836

F.B. 1316-73

Shepard  
Bruner  
O'Neil  
1-7-54  
wo. 62367

John St.

Ed. ch. X

184.68

Harbor View Dr.

4+2303

Ed. ch. X's  
on MH. Rim

Banger St.

2+09.70  
20ft. Set Hub (center)

2+00

209' - 50' office  
Retise to miss  
Power Pole at 0+30.

Martinez St.

0+49.85

Ed. Hub (see)  
No Touch

(87° 22' 30")

26.4

26.4

Exist MH #1

0+6.22

0+00

Ed. PK.

Set Mark

66.8

229.0

7.5'

59.3

Exist MH #2



0+00 E Bangor + P. Exist. Sewer

10.97 10.26 9.49 8.70  
20 10 10

139.27 ✓  
140.06 ✓

Compt. line 139.86

148.76

Elev. Exist. MH. #2 = 136.06

136.06

Elev. Exist. MH. #1 = 117.39

229

117.39

T.P.	11.82	148.76	0.89	136.88
T.P.	2.60	137.47	10.62	134.87
T.P.	0.01	145.49	12.23	145.48
T.P.	3.11	152.21	13.35	154.60
T.P.	0.98	162.93	12.16	166.95
T.P.	1.29	179.11	13.01	179.82
T.P.	0.20	190.83	13.04	190.43
T.P.	0.18	203.47	12.99	203.29
B.M.	0.19	216.28		216.09

N.W.B.P.  
Concord +  
Talbot



0+50

151.2  
5.2

✓

0+44

5.5  
205.7  
10

6.4

6.5  
10

150.4

✓

150.62

T.P.

13.03

156.62

5.17

143.59

PK in Pole  
0+30

0+32.62 Sly Line Talbot

148.5

5.3

✓

0+30 0.5 Rt &amp; Power Pole # 3381

0+25

6.2  
209.1  
10

139.76

139.1

9.0

9.1  
10

139.7

0+14.8 Edge Pav.

12.36  
2011.54  
10

137.94

138.97

10.82

9.79  
10

138.7

0+6.22

11.41  
2010.20  
10

138.89

139.71

9.87

9.65  
10

139.57

148.76



1425

7.6  
208.6  
108.7  
109.5  
10

183.9

184.1

183.3

$$\begin{array}{r} 192.81 \\ \hline \end{array}$$

T.P.

12.55

$$\begin{array}{r} 192.81 \\ \hline \end{array}$$

0.52

$$\begin{array}{r} 180.26 \\ \hline \end{array}$$

1405 8.4 ft to 8" water line (Exposed)

5.5  
205.9  
10

7.0

179.8

175.3

174.4

$$\begin{array}{r} 180.78 \\ \hline \end{array}$$

13.27

$$\begin{array}{r} 180.78 \\ \hline \end{array}$$

0.69

$$\begin{array}{r} 167.51 \\ \hline \end{array}$$

T.P.

11.72

$$\begin{array}{r} 168.15 \\ \hline \end{array}$$

0.19

$$\begin{array}{r} 156.43 \\ \hline \end{array}$$

0492 90 ft to 8" water line (Exposed)

11.0  
205.24  
1.8  
19

0.4

157.0

12.0  
10

168.6

161.6

0475

5.3  
204.7  
185.4  
10

150.7

150.1

150.4

150.7

5.9

$$\begin{array}{r} 150.12 \\ \hline \end{array}$$

0451



T.P. 1319 <252.80> 0.87 <239.61>

2425

238.8 238.3  
17 15 1.7 22  
20 10 10

2410 56' RT To House Being Constructed (Sta. = Approx. Sewer outfall)

2400

235.3 234.8  
6.0 5.9 5.2 7.7  
2.0 1.0 1.0  
234.8  
234.2  
8.3± 17.0  
56 Floor 56 Ground

T.P. 12.37 <240.48> 0.36 <228.11>

1425

219.47 218.7  
8.0 9.0 9.0 9.8  
2.0 1.0 1.0  
219.4

T.P. 12.80 <228.47> 0.13 <215.65>

1450

<228.47>  
204.8 201.5  
13.2 13.3 13.0 13.3  
2.0 1.0 1.0  
215.78  
202.6

11.28 <215.78> 0.26 <204.50>

T.P. 12.13 <204.06> 0.18 <192.63>

<192.63>



T.P.

12.08

 $\left\langle \begin{array}{l} \checkmark 14.8\% \text{ Tolbot +} \\ \checkmark \text{Contord} \\ 216.18 \end{array} \right\rangle 216.09$ 

T.P.

0.83

 $\left\langle 228.76 \right\rangle$ 

12.89

 $\left\langle 227.43 \right\rangle$ 

T.P.

0.43

 $\left\langle 240.37 \right\rangle$ 

12.91

 $\left\langle 239.89 \right\rangle$ 

3483.3 Edge Cont. Pavc

 $\left\langle 252.57 \right\rangle$   
0.23

3450

 $\frac{7.5}{20}$ 
 $\frac{3.9}{10}$ 

248.8

 $\frac{7.0}{10}$ 

249.2

 $\frac{3.6}{10}$ 

3400

 $\frac{8.4}{20}$ 
 $\frac{8.1}{10}$ 

244.6

 $\frac{8.2}{10}$ 

244.9

 $\frac{7.9}{10}$ 

2450

 $\frac{11.0}{20}$ 
 $\frac{11.1}{10}$ 

241.8

 $\frac{11.0}{10}$ 

241.9

 $\frac{10.9}{10}$ 
 $\left\langle 252.60 \right\rangle$ 
 $\left\langle 252.80 \right\rangle$

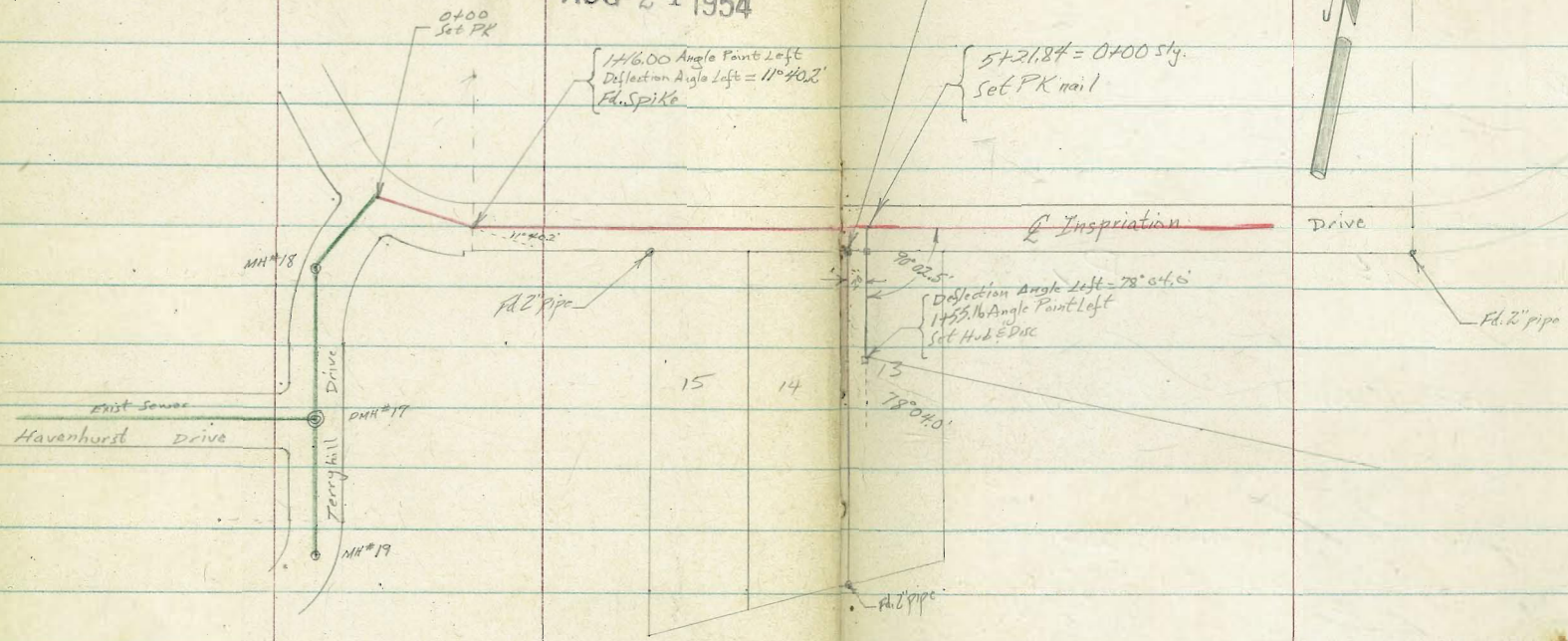


Roberts  
Cota  
Moore  
Morales  
8-20-1954  
NO. #37499

Preliminary Sewer Survey in  
Inspiration Dr. & LaJolla Highlands.

11031-L  
Map 2546

INDEXED  
ER  
AUG 24 1954



NOTE: —  
Green lines show existing sewer in Merchants Point.  
Could not find MH#18 so retraced sewer according  
to 11031-L sheet from existing MH#19 & DMH#17.



Contd From Page 38

Light AC Pave or

(Sat. Oil Coat) on Road from here on

1+07.5 2<sup>3</sup> Rt End AC Pave (E. Cb End.)

0+59.8 Leave Paving

0+50 13 Lt to Edge Paving

T.P. 13.33 484.11  $\pi$  0.48 470.79

0+00 Inspiration and Torryhill Drives  
Supposedly Dead End of Existing Sewer.

T.P. 13.15 471.26  $\pi$  0.56 458.11

T.P. 12.98 458.67 0.16 445.69

T.P. 8.47 445.85 0.43 437.38

BM 13.01 437.81

BP. & Edge permit 5' No. Fire Hydr.  
424.80 Solymar & Midlands (West End Solymar)  
check

26

E

Rt 39

476.0  
8.1

472.97  
11.14  
AC

472.30  
11.81  
AC

468.11  $\pi$

468.54  
2.72  
AC Pave

471.26  $\pi$

Notes reduced  
5-21-55  
R. Dawson



Cont'd From Page 39

3700

T.P. 12.18 495.94  $\pi$  0.35 487.6

2750

2705.8 5<sup>th</sup> Lt to center Tele. N.H.

2700

T. 1799.5 6<sup>th</sup> Lt to center 6<sup>th</sup> Elev. N.H.

27450

1476.00 L Point

B

487.11  $\pi$

Lt

£

Rt

40

485.14  
10.8

485.94  $\pi$

483.0

1.1

481.0

3.1

478.6

5.5

476.8

7.3

487.11  $\pi$



Contd From Page 40

5+21.84

= 0+00 Easement

5+00

4+58 53° Rt to House

4+10

54 Lt to center Tele. MH

4+05

73 Lt to center Gas & Elec. MH.

4+00

3+50

3+20

83° Rt to house

495.947

Lt

Rt

Rt 41

494.60  
1.34  
PK nail

493.6  
2.3

491.3  
46

492.7  
3.2  
53  
Floor

489.5  
6.4

487.24  
8.7

484.14  
11.8  
Inv. Plumb  
at House

495.947



Cont'd From Page 41

Lt

E

Rt 42

T.P. 12.80 520.69  $\pi$  0.34 507.89

7+50 63° Rt to House

7+00

6+95<sup>3</sup> 42° Lt to center Top, MH

6+89 52° Lt to Center Gas  $\frac{1}{2}$  floor, MH

6+50 94° Lt to house

6+00

T.P. 12.35 508.23  $\pi$  0.06 495.88

5+50

495.94  $\pi$

507.2

505.7  
504.9

1.0

2.5  
63  
floor

504.3

3.9

505.2

3.1  
84  
floor

501.3

6.9

498.53

9.7

508.23  $\pi$

495.8

0.1

495.94  $\pi$



Cont'd From Page 42

Lt

E

Rt

43

Got 20' East of Lot Line because of fence and many shrubs; and would run into Pit.

0+00 = 5+21.84 Easement

T.P. 1.48 496.08 N 494.60 E PR Nail

494.60  
1.48  
496.08 N

9+50 95° Rt to house

517.81  
0.88 511.9  
8.8  
95  
Floor

9+35 38° Lt to center Tele. MH

9+29 E 52° Lt to center Gas & Elec. MH

516.7  
= 0

9+00

513.6 507.9  
7.1 12.8  
93  
Floor

8+50 House on left side abit higher.  
93° Rt to House

510.4  
10.3

8+00

520.69 N

520.69 N



Contd From Page 43

4

£

R

44

2+35

490.5  
56

2+00

489.0  
71

1+55.16  $\Delta$  Left out Rts to back tang.

487.98  
810 85

12  
Edge  
Rt  
way down

1+35

489.1  
70 488.8  
73

14  
Edge  
Rt  
way down

1+00

491.1  
70

0+50

493.8  
23

496.08  $\Delta$

496.08  $\Delta$



Cont'd From Page 44

Lt

E

Rt 45

T.P. 644 497.82  $\pi$  470 491.38

3+88 11<sup>o</sup> Lt to SW corner barn

491.0  
5.1  
11

490.1  
6.0

488.4  
7.7  
12

3+575 Hit fence Horse corral.

490.2  
5.9

9.4  
2.4  
Edge  
Punk

3+33

490.6  
5.5

3+27

486.7  
7.4

2+82

486.7  
9.4

2+72

489.8  
6.3

496.8  $\pi$

496.8  $\pi$



Cont'd from Page 45

Approximation

6+79

15<sup>th</sup> Lt to House (No knowledge as to basement!)

+2.6  
15  
Floor

Lt

500.4

Q

Rt 46

6+44

Hit conc block Retaining wall

490.8  
7.0  
GRD  
496.6  
1.2  
TOP

6+00

9.5  
488.2

5+50

9.4  
488.4

5+00

9.2  
488.6

4+39

Hit coral fence.

8.1  
489.7

482.7  
15.1  
to  
Edge  
Box

4+11

10<sup>th</sup> Lt to SE Corner Horse barn

497.82  $\nearrow$

497.82  $\nearrow$



check

959 424.79 = 424.80

Starting B.M.

T.P. 0.84 434.38 1257 433.54

T.P. 0.43 446.11 1234 445.68

T.P. 0.48 458.02 13.18 457.54

T.P. 0.31 470.72 12.89 470.41

T.P. 0.82 483.30 12.90 482.48

T.P. 0.78 495.38 494.60 &amp; PK nail 5721.84 = 0 to 00 Easement

check

2.99 519.81 = 519.81

See page 43 &amp; Sta. 9450

T.P. 12.33 522.80 0.11 519.47

T.P. 12.85 510.58 0.09 497.73

497.82































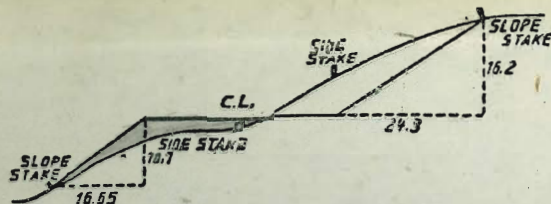
The image shows an open notebook with two facing pages. Both pages are cream-colored and feature light blue horizontal ruling. The notebook is bound in the center, with four visible stitching points. The pages are otherwise blank, with no text or drawings. The number '55' is handwritten in the top right corner of the right page. The notebook's dark cover is visible at the edges.







7 4



**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	71.20	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

930 08  
 612 71  
 317 67

160,000,000,000,000

THE NATIONAL BLANK BOOK COMPANY  
 HOLYOKE MASSACHUSETTS  
 NEW YORK CHICAGO BOSTON SAN FRANCISCO