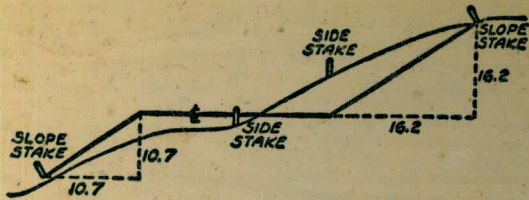


W902

Please Return to
 City of San Diego. Water Dept.
 Room 903 Civic Center



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

Distances 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

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STKS FOR C.A.C. MAIN

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 Alice
 Riley St. Cauby to Midway Dr Prelim 37-39
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Profile & Proposed Water Line
 Goshen St, Riley to Linda Vista Rd.

9+69.99 2" pipe SE. cor. Linda Vista & Goshen

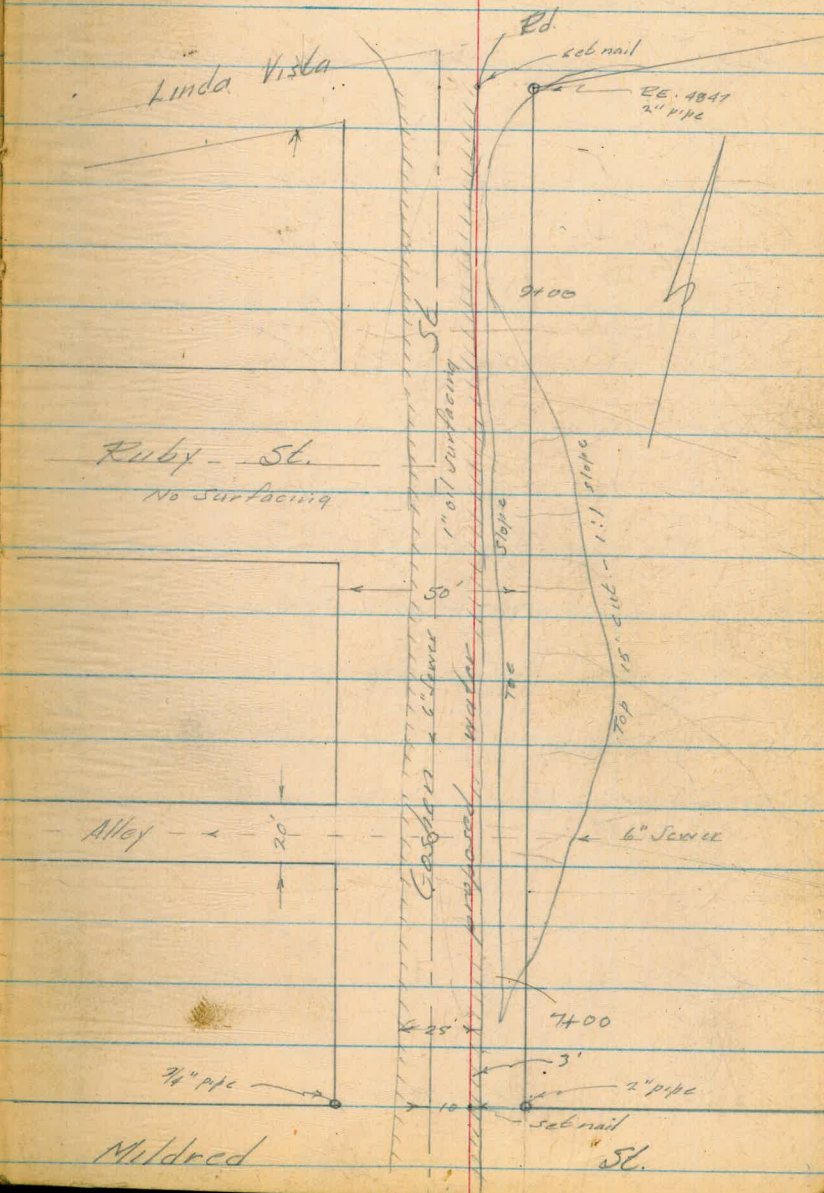
8+60.04 N/E of Ruby

8+10.04 S/E of Ruby

5+89.69 N/E of Mildred

Wert
 Kemp
 Holahan

12-26-54



5+39.68

S/L of Mildred

3+70.06

N/L of Lauretta

2+95.06

P Lauretta

2+70.06

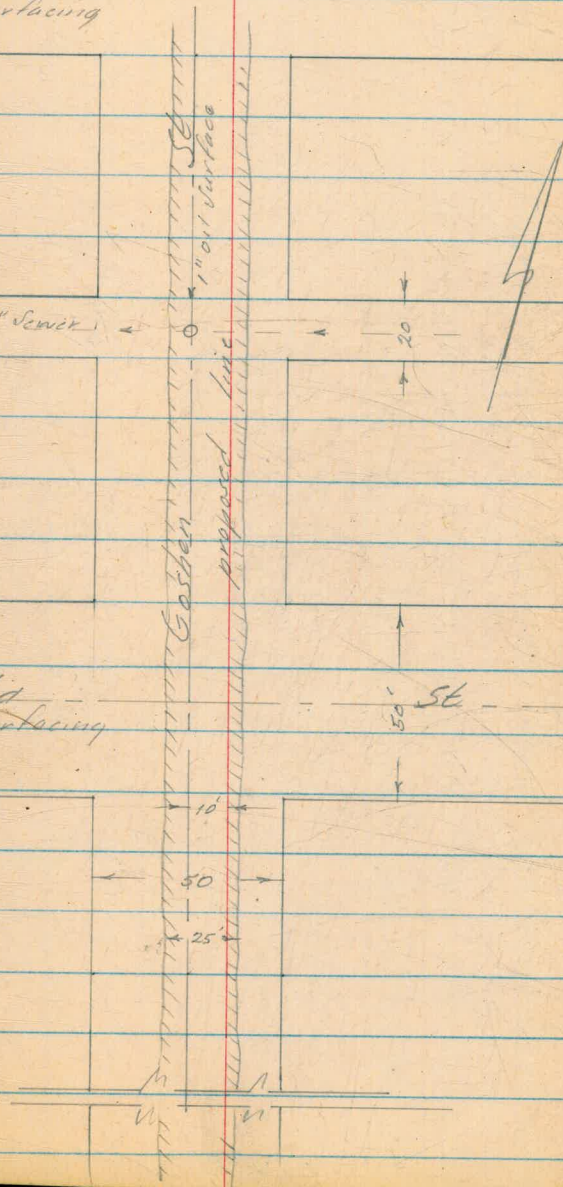
S/L of Lauretta

Mildred
No Surfacing

St.

Alley 6" Sewer

Lauretta
No Surfacing



Lauretta

St.

2+70.06

S/H of Lauretta

0+50

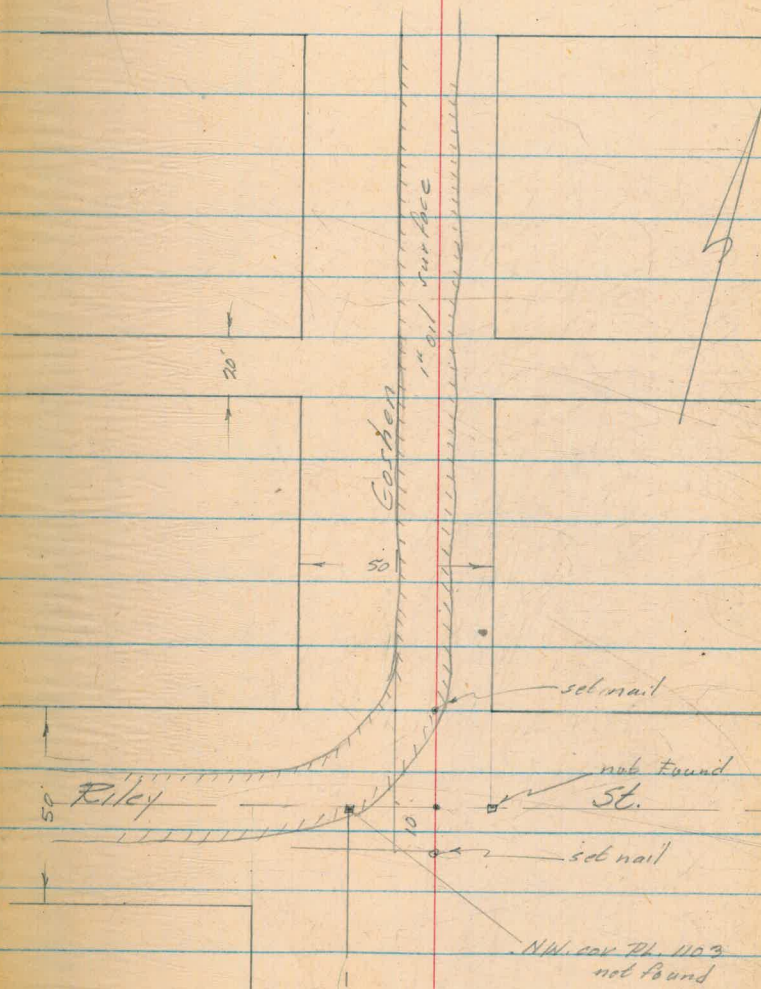
N/L of Riley

0+25

N/L PL. 1103

0+00

S/H of Riley



70.64

0.19 70.83

17.40 58.43

3.68 62.11

9.99 52.62

12.09 64.71

0.27 64.94

13.21 77.65

0.31 77.34

13.03 90.37

0.37 90.00

12.67 102.67

0.04 102.63

6.66 109.29

8100

13.2 96.1

150

3.5 105.8

4.85 109.94

9.36 113.80

F.H. S.E. Lauretta & Calusa

S/L of Riley

T.B.M. # 5804 N.E. pp Gosden & Riley

113.80

0+75	6.2	107.6
1+00	3.1	110.7
T.P.	0.38	113.42

12.71 126.13

1+25	11.9	114.2
+50	8.1	118.0
+75	4.0	122.1
T.P.	0.15	125.98

12.64 138.62

2+00	12.5	126.1
+25	8.4	130.2
+50	4.4	134.2
+75	0.7	137.9
T.P.	0.09	138.53

13.05 151.58

3+25	7.2	144.6
+75	1.3	150.3

REDUCED BY M.C. BREWSTER
 2-9-53

151.58

0.43 151.15

12.29 163.44

4+25 7.2 156.2

+30 6.6 156.8

+30 6.92 156.5

+75 1.2 162.2

T.P. 0.24 163.20

13.22 176.42

5+25 9.2 167.2

+75 4.7 171.7

6+00 2.3 174.1

1.32 175.10

10.53 185.63

6+50 6.3 179.3

7+00 2.5 183.1

7+01 2.5 183.1

101 2.86 182.8

REDUCED BY W.O. BREWSTER
2-9-55

Sewer crossing cut 9.0 to flow

Sewer M.H. 10' Lt

T.B.M. 2" RE 469 N.E. cor Mildred & Goshen

Sewer crossing cut 12' +-

" M.H. 10' Lt

185.63

7+50	2.7	182.9
8+00	4.3	181.33
8+50	5.5	180.1
T.P.	5.44	180.19

336 183.55

9+00	6.4	177.2
+50	9.5	174.1
+95	14.5	169.1
10+18	13.3	170.3
+33	14.4	169.2
	6.49	177.06

REDUCED BY H.C. BREWSTER 2-9-35

South gutter Linda Vista Rd

♀ " " "

No. " " " "

T.R.M. 2" pipe RE. 4847 F/L Goshen, S/L L.V. Rd

Profile of Proposed Water Line
Eureka St. Riley to Lauretta

68.07

11.77 79.84

SEWER M.H. STA. 5+76 ON RILEY

T.P. 036 79.48

SEEH EUREKA & RILEY

8.21 87.62

0+00	11.9	76.3
+25	6.1	81.6
+50	4.2	83.5

SEWER CROSSING ?

T.P. 0.26 87.43

12.13 99.56

1+00	10.2	89.4
+50	5.0	94.6
2+00	0.1	99.5

T.P. 0.14 99.42

10.73 110.15

2+50	7.0	103.2
+70.29	5.2	105.0
3+20.29	0.4	109.8

S/L

N/L

Wart
Kemp
Holahan

12-28-54

7

Eureka St Cont

110.15

T. P.

1.85 108.30

8.80 117.10

5.56 111.54

0.56 112.10

12.26 99.84

0.97 100.31

13.21 87.10

0.38 87.48

12.99 74.50

1.79 76.29

CKBM

8.22 68.07 = 68.07

SEWER M.H.

SEWER EUREKA & LAURETTA

Fureka St Cont

3+20.29

N/H of Lauretta

2+70.29

S/H of Lauretta

0+50

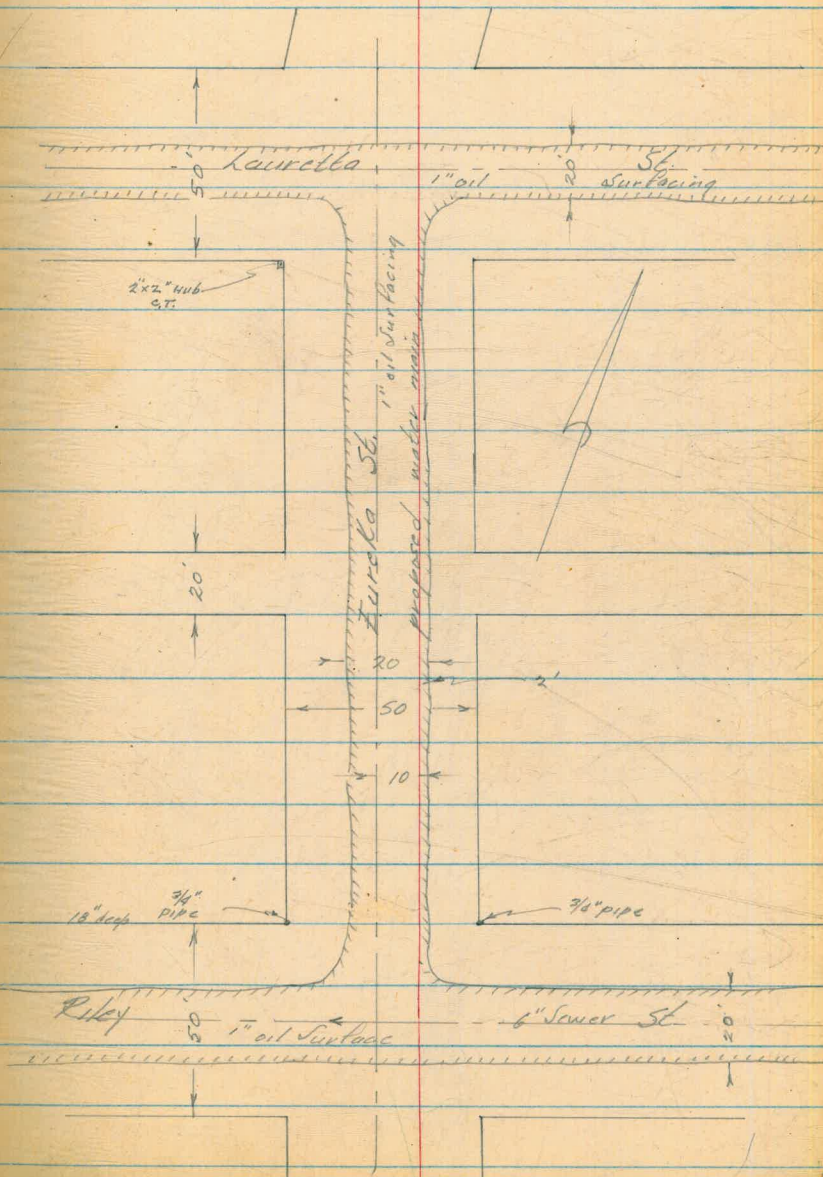
N/H of Riley

0+25

Sewer crossing

0+00

S/H of Riley



Profile of Proposed Water Line
 Riley St. Goshen to Colusa

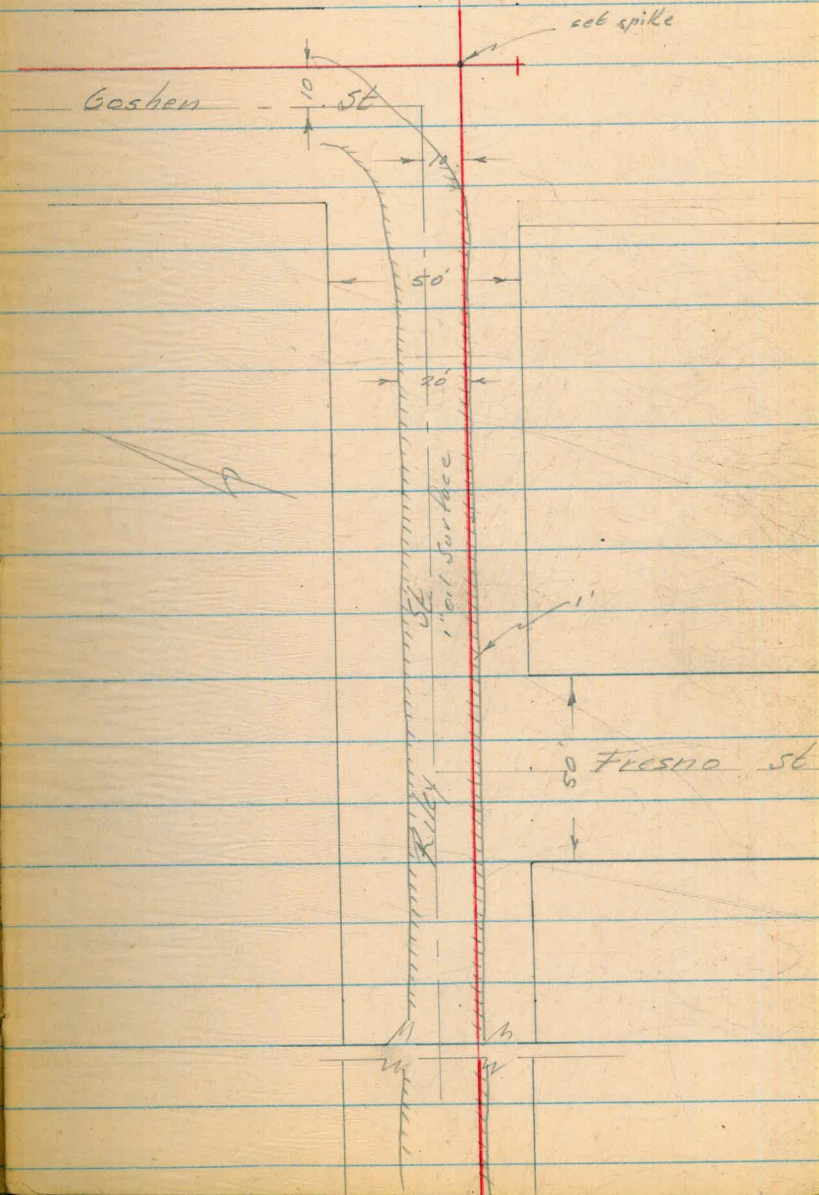
0+00 E/L of Goshen
 0+50 W/L of Goshen No.
 0+60.25 W/L of Goshen Se.

2+00.25 E/L of Fresno

2+50.25 W/L of Fresno

Werb
 Kemp
 Holahan

12-28-54



Riley Cont.

4+50.25

#1 of Eureka

5+00.25

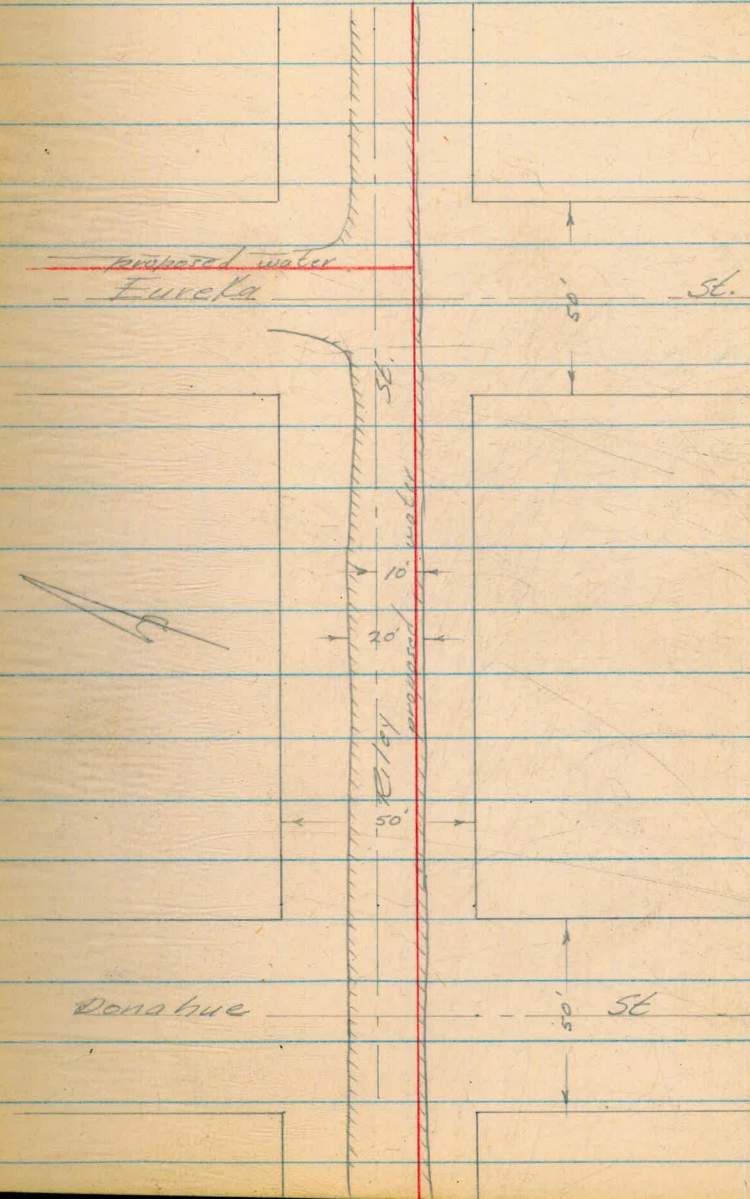
#1 of Eureka

7+00.25

#1 of Donahue

7+50.25

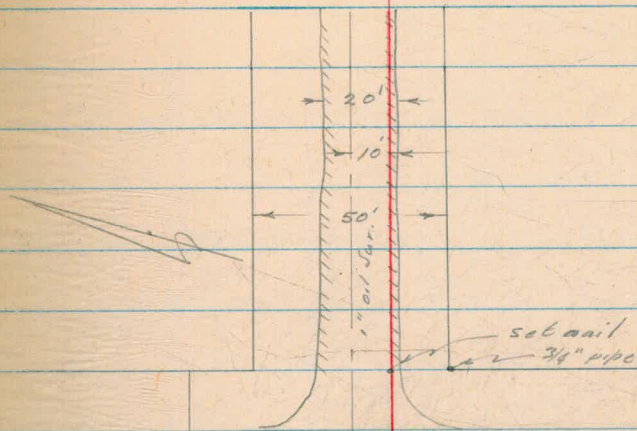
#1 of Donahue



Riley Cont

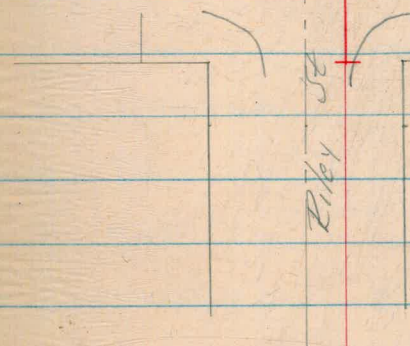
9+50.25

E/L of Colusa

set nail
3/4" pipe

10+00.25

W/L of Colusa



Riley Cont.

		104.44	
	5.40	109.84	
0+00		13.7	96.1
+15		10.6	99.2
+50		8.0	101.8
1+00		6.3	103.5
T.P.		4.83	105.01
	4.22	109.23	
1+50		3.6	105.6
2+00		2.0	107.2
+50		2.4	106.8
+85		5.7	103.5
3+00		2.6	101.6
T.P.		12.84	96.39
	0.31	96.70	
3+50		2.2	94.5
4+00		8.6	88.1

REDUCED BY H.C. BREWSTER 2/15/55

Spill in pp # 55804 NE. cor. Riley & Goshen

E/W of Goshen

Pl. proposed water lines

Sewer M.H. 10' R.L. 79.07 rim

	96.70		
T.P.		12.58	84.12
	0.46		84.58
4+50		1.4	83.2
5+00		7.0	77.6
T.P.		12.77	71.81
	0.29		72.10
5+50		0.9	71.2
+76		4.03	68.1
+76		4.0	68.1
6+00		8.0	64.1
T.P.		12.92	59.98
	0.38		59.56
6+50		1.7	63.1 57.9 75
7+00		10.0	49.6
T.P.		13.04	46.52
	9.36		55.88
7+50		12.4	43.0
8+00		10.3	45.6

REDUCED BY H.C. BREWSTER 2/15/55

Sewer MH 10' DE over 10' to flow

	55.88		
B+50		0.4	55.5
T.P.		0.33	55.55
	6.28		61.83
9+100		1.3	60.5
+50.25		5.2	56.6
10+00.25		7.8	54.0
T.P.		2.98	59.35
	8.87		68.22
		1.62	66.60
	8.18		74.78
		4.08	70.70

REDUCED BY M.C. BREWSTER 2/15/55

E.H. of Calusa

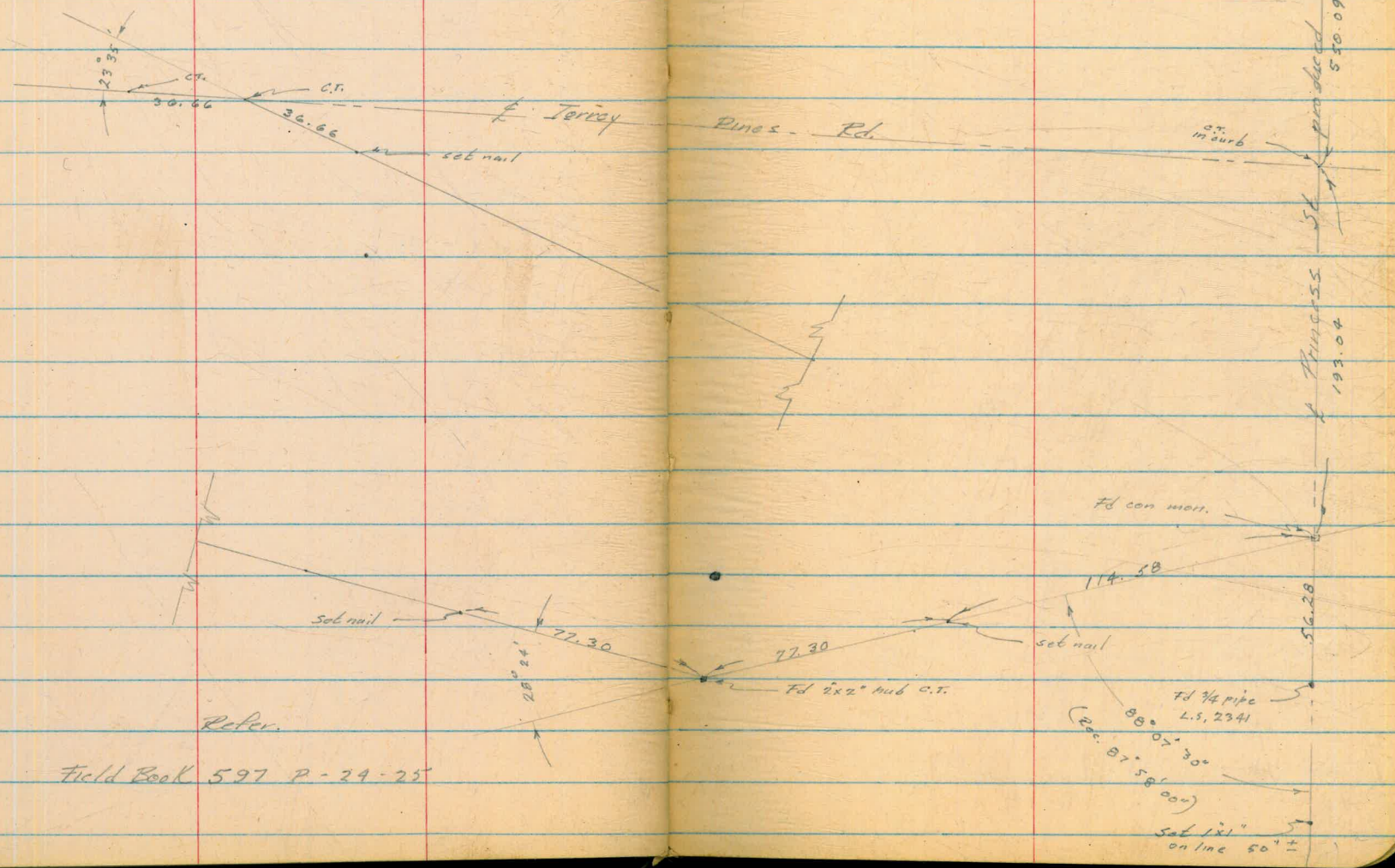
W.H. of Calusa

= 70.64

Wert
Kemp
Helohon 1-5-55

16

Profile of Proposed Water Line
Amalti St, Terry Pines Road
to Princess St Produced



Went
Kemp
Holahan

17

1-11-55

Profile & Proposed Water Main
Macaulay St. Willow to Plum

0+00 W/L of Plum

+17 E. edge 4" AC

0+70 E/L of Plum

3+25 Wood barricade, end of 1" oil

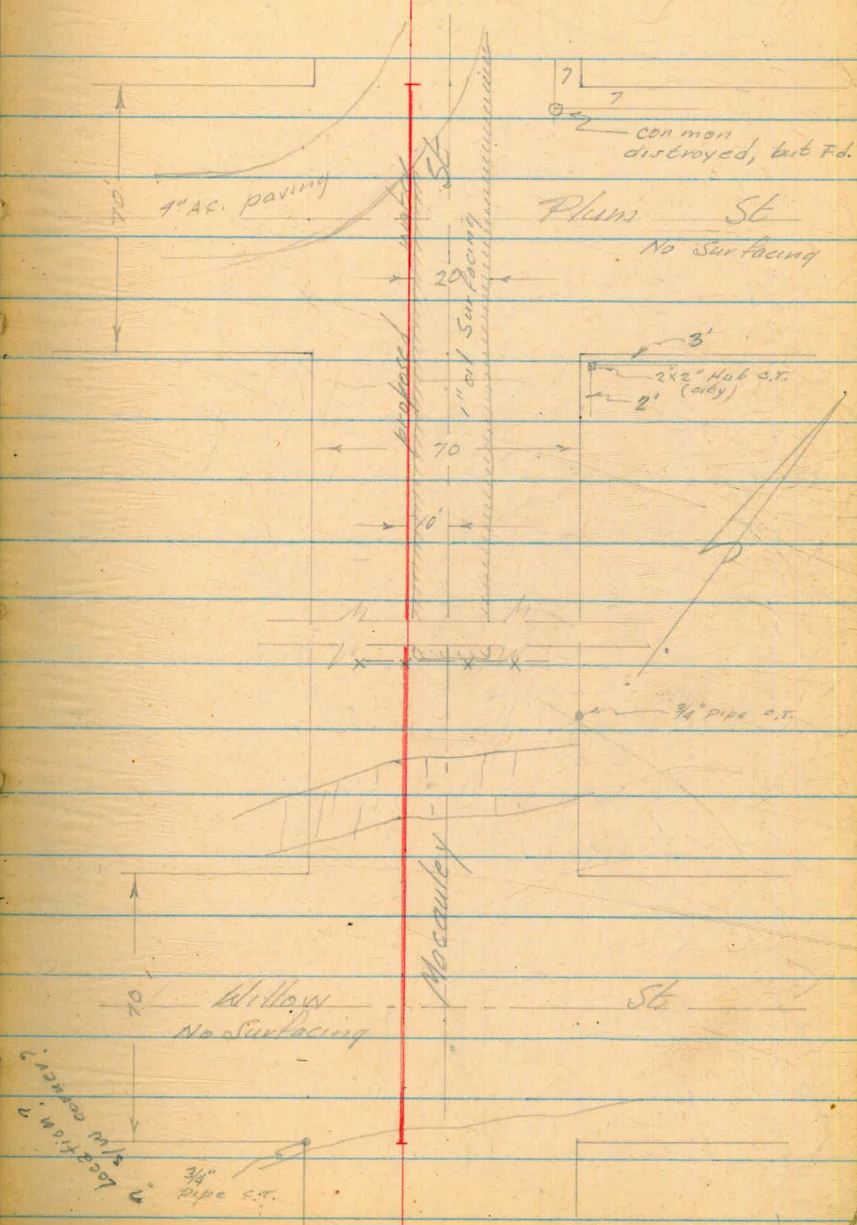
3+50 Top Slope

3+65 Top Slope

3+69.20 W/L of Willow

4+34 Top Slope

4+39.20 E/L of Willow



90.70

SW corner Newell & Plum

9.74 100.44

3.90 96.54

NW curb return Macaulay & Plum

3.64 100.18

0+00 4.6 95.6 w/l Plum

+17 4.8 95.4 East edge 4" A.C. paving

+50 3.6 96.6

1+00 4.1 96.1

+50 7.4 92.8

2+00 10.7 89.5

T.P. 13.01 87.17

0.15 87.32

2+50 0.7 86.6

3+00 5.1 82.2

+25 8.0 79.3

+50 10.8 76.5

87.32

13.06 74.26

135 75.61

3165

11.2

64.1

4100

13.3

62.3

7.7

13.09 62.52

3.85 66.37

4134

5.7

60.7

4139.20

8.7

57.7

6.83 59.54

11.40 70.94

0.16 70.78

12.25 83.03

0.11 82.92

12.47 95.39

0.94 94.45

5.57 100.02

9.31 90.71

3/4" pipe ct. S.W. cor Macaulay & Willow

= 90.70 cor mon S.W. cor Newell & Plum

Florida Ave Corbi

		76.78	
11.82	88.60		
		2.60	86.00
3.52	89.52		
		7.02	82.50
1.07	83.57		
		0.69	82.80
9.05	91.93		
		5.34	86.69
		5.2	
0+00		5.2	86.73
+50		5.3	86.63
+100		5.1	86.83
+150		3.7	88.23
+199		4.3	87.63
+67.60		4.1	87.83
+83		3.9	88.03

NE. BR. La Jolla Blvd & La Cañada

Storm Drain Grate 5' back 0+00, 6' 26

" " crossing cut 1' top 26" pipe

End 6" con paving

Edge 4" AC. pad

Edge 6" con paving & 50' curb line

& Cañada de la Corbi & Sewer cross

91.93

1+83

4.51

87.42

Sewer M.H. 45' ll. cut 10' to fl.

1+98.40

4.38

87.55

Storm Drain grate 2.0 to th. 18" pipe, 6' pt

1+98.40

4.1

87.83

No. gutter, 5" curb

2+03.40

3.5

88.43

Back 5' sidewalk

3.3

N/H of Camino de la Costa

3.63 88.30

T.B.M. L.C.T. 1' back curb & 2' pt footer
El 88.36

West
Kemp
Holahart

23

1-13-55

Profile & Proposed Water Line

"I" St, 38th to 39

3+90

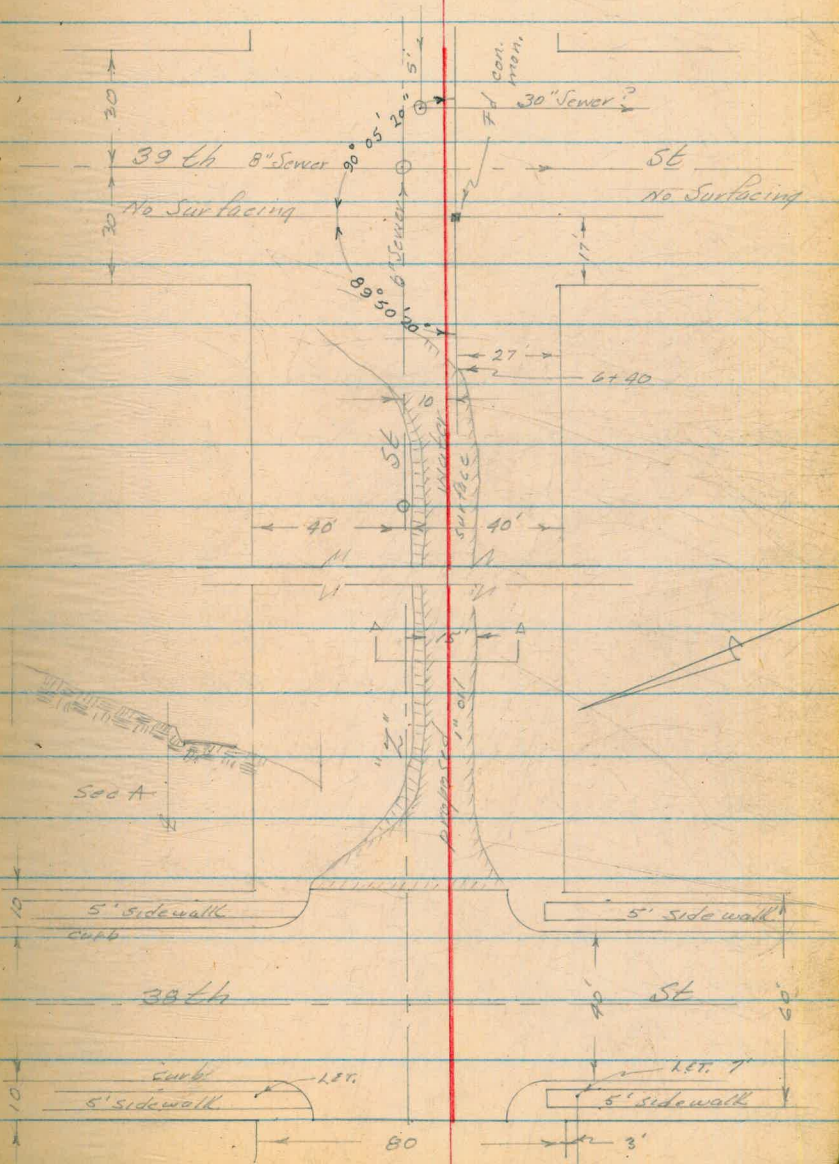
Sewer M.H.

0+60

E/O of 38th

0+00

W/O of 38th



"7.51 38th to 39th

38.85

SW #H. 38th & "2"

1.00 39.85

0+00	3.4	36.45
+10	3.3	36.55
+30	2.7	37.15
+50	3.4	36.45
1+00	5.2	34.65
+50	6.6	33.25
2+00	8.1	31.75
+50	9.4	30.45
	9.75	30.10

Reduced by J Gray 2-10-55

W/H of 38th St.

W. curb 38th.

E 38th

E curb line 38th

1.66 31.76

3+00	3.2	28.56
+50	4.3	27.46
+90	5.2	26.56
+90	3.49	28.27
4+00	5.3	26.46
+50	6.1	25.66

Sewer M.H. 10' dia cut 5.5 to #1.

31.76
 5+00 6.3 25.46

6.84 24.92

1.97 26.89

5+50 2.1 24.79

6+00 2.7 24.19

+40 4.6 22.29

+50 5.8 21.09

+90 9.7 17.19

+90 8.73 18.16

7+05 9.4 17.49

+05 8.48 18.41

+20.05 9.6 17.29

6.59 20.31

9.27 29.58

3.80 25.78

7.57 33.35

end 1" oil surfacing

Sewer crossing

Sewer MH. 10' H 29 to 7h.

Sewer crossing

Sewer MH. 5' H 12.0 to 7h.

E/H at 39.6h

Power pole 20' H Sta 6+60

33.35

2.33 31.02

9.73 40.75

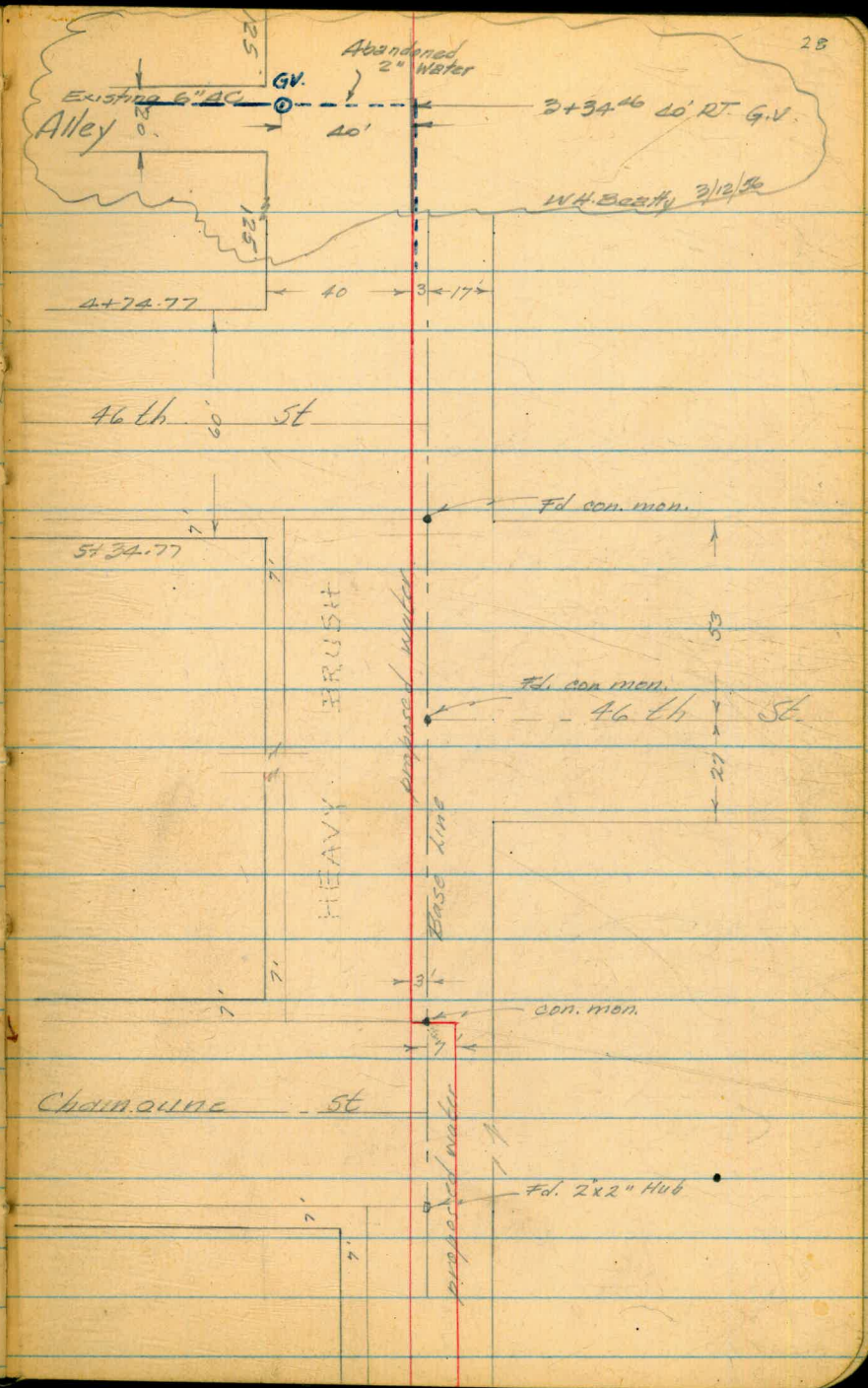
192 38.83

26
=38.85 SWFH : 38th of "2" SE

Quince St Cont.

3+34.46 5' Ely & Alley to Nor (See pg. 31)
 4+51.76 SEE Alley for profile
 W.H. Beatty 3/12/56

- 5+15 7' Left Power pole
- 5+27.77 con. man. (5+27.51 rec.)
- 5+34.77 N/E of 46th
- 6+21 1' Left Tele. pole
- 6+51.76 E/H of 46th (South)
- 7+04.76 Con. man. on 46th (South)
- 7+52 2' Right guy pole (Tele)
- 7+73 2' " dead man pole
- 7+96 8' Left 10" Tree
- 8+11.50 con. man.
- 8+57.50 2"x2" redwood hub & C.T.



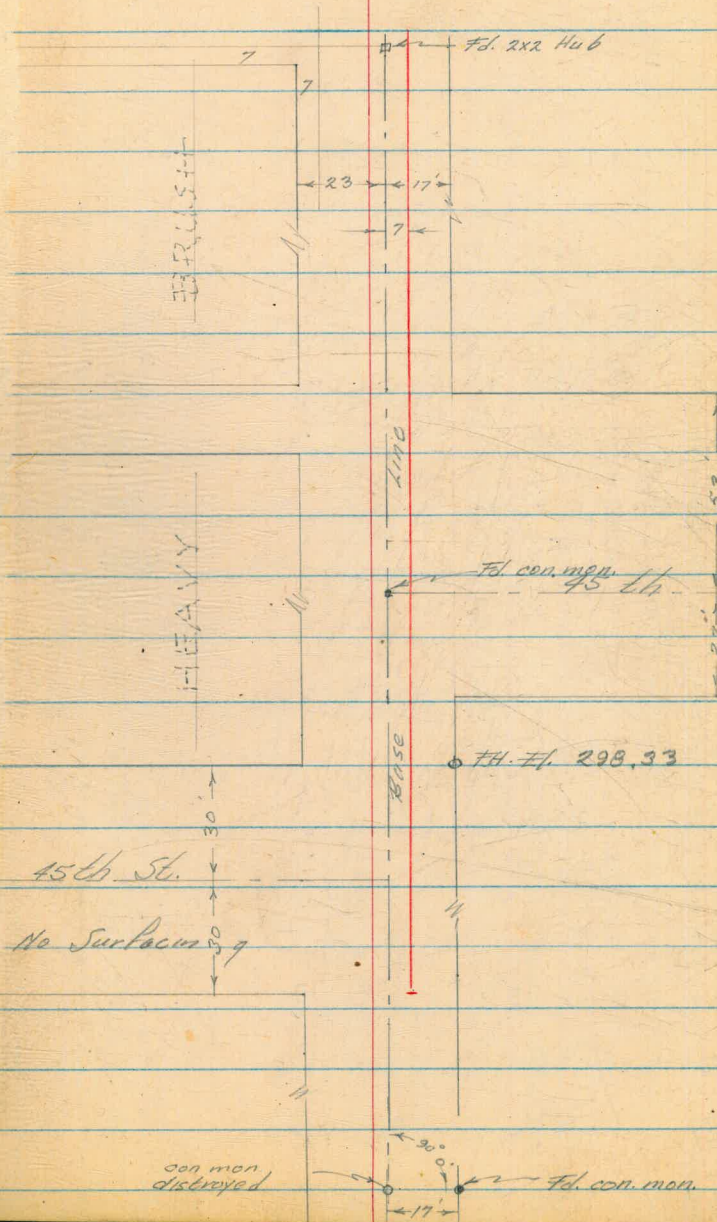
Quince St Cont.

16+85.05

con. mon.

16+52.20

con. mon. 17' left. (16+52.05 Rec.)



Quince St. Cont.

295.25

2.68 297.93 ✓

0400	9.7	288.2
120	7.7	290.2
150	6.0	291.9
1400	6.0	291.9
1450	4.8	293.1
2100	2.4	295.5
T.P.	1.78	296.15 ✓

8.67 304.82 ✓

2435	5.8	299.0
2450	4.4	300.4
2462	4.2	300.6
2489	1.8	303.0
3400	5.4	299.4
3415	10.3	294.5
3425	11.6	293.2

BM. con mon. Quince & Monlow

3.22

9.8	288.1
8.0	289.9
6.1	291.8
6.1	291.8
4.7	293.2
2.2	295.7

5.9	298.9
4.3	300.5
4.0	300.8
0.9	303.9
3.1	301.7
7.7	297.1
2.5	295.3

Quince St Cont

304.82 v

3130 11.2 293.6

TR 11.42 293.40 v

13.25 306.65 v

3150 13.9 292.8

3160 12.6 294.1

3180 11.7 295.0

4100 11.8 294.9

4120 7.9 298.8

4130 3.3 303.7

4135 5.3 301.4

4138 2.4 304.3

4150 2.2 304.5

4160 5.0 301.7

4185 1.4 305.3

4194 4.4 302.3

5100 4.8 301.9

5122.77 TR 5.85 300.80 v

166 302.46 v

5' RE

10.7 - 294.1

3134E

(294.0 295.0 299.1 300.9 306.5
E 7 13 20 40 at G.V)

12.9 293.8

13.1 293.6

11.9 294.8

12.5 294.2

10.2 296.5

5.2 301.5

7.1 299.6

2.5 304.2

2.5 304.2

5.7 301.0

1.7 305.0

4.4 302.3

4.8 301.9

con men fath. & Quince

Quince St Cont.

302.461

3' Pl.

5150	1.0	301.5	1.4	301.1
5153	1.4	301.1	1.3	301.2
5165	6.0	296.5	5.6	296.9
5173	6.9	295.6	7.1	295.4
5188	11.6	290.9	11.4	291.1
6100	12.9	289.6	12.6	289.9
T.P.	13.09	289.37 ✓		

0.66 290.03 ✓

6150	7.4	287.6	7.1	287.9
T.P.	11.25	278.78 ✓		

1.05 279.83 ✓

6190	13.7	266.1	13.8	266.0
6192	14.0	265.8	13.1	266.7
6193	12.4	267.4	12.3	267.5
7100	8.6	261.2	8.2	271.6
T.P.	0.09	279.74 ✓		

12.58 292.32 ✓

Quince St. Cont.

	292.32 ✓				3.76	
7+50		3.9	288.4		3.8	288.5
T.P.		0.83	291.49 ✓			
	11.12		302.61 ✓			
8+00		2.8	299.8		2.4	300.2
T.P. 8+11.50		1.69	300.92 ✓			
	1.94		302.36 ✓			
8+11.50		1.4	301.0		7.16	301.3
				300.9	1.5	1.1
8+50		1.8	300.6		2.2	
				300.2		
9+00		4.6	297.8		4.6	
				297.8		
9+50		10.3	294.1		10.4	
				294.0		
T.P.		12.94	289.42 ✓			
	0.33		289.75 ✓			
9+75		2.3	287.5		2.9	286.9
10+00		9.5	280.3		9.7	280.1
T.P.		13.28	276.97 ✓			
	0.92		277.39 ✓			

con. mon. Chamouni & Quince

Quince St. Cont.

277.39 ✓

10+35 12.6 264.8

10+39 12.0 265.4

10+50 7.0 270.4

T.P. 3.44 273.95 ✓

12.46 286.41 ✓

T.P. 10+85.05 6.19 280.22 ✓

12.47 292.69 ✓

11+00 2.3 283.4

11+50 0.8 291.9

T.P. 0.17 292.52 ✓

5.67 298.19 ✓

12+00 2.4 295.8

12+54.50 2.4 295.8

T.P. 12.90 285.29 ✓

0.37 285.66 ✓

13.00 272.66 ✓

0.23 272.89 ✓

7' 1.486

12.5 264.9

13.6 263.8

8.5 268.9

300 m. 45th South & Quince

2.9 282.8

1.2 291.5

2.3 295.9

W/lot 15th 2.6 295.6

Quince St. Cont.

272.89 ✓

T.P.

10.55 262.34 ✓

3.54 265.88 ✓

9.58 256.30 ✓ =

256.27 T.B.M. P.P. SW. Cor. Highland & Quince

Electre Ave
Camino de la Costa
stks for 6" AC Main

West
Williams X
Varonfokis †

36

2/16/55 Cloudy

	5.17	91.76	86.59		
0+00		5.2	86.6	83.1	C3 ⁵
+50		5.7	86.1	83.1	C3 ⁰
+50 m w		5.2	86.6	86.3	C0 ³
+50 curb stake		5.5	86.3		
+100		6.0	85.8	83.0	C2 ⁸
+50		5.3	86.5	82.9	C3 ⁶
+76 of Work End		4.6	87.2	82.8	C4 ⁴
		5.16	86.60	= 86.59	

Wert
Kemp
Alexander
Holahan

37

3-16-55

Profile of Proposed Water Line
Riley St, Cauby to Midway Dr.

		7.63		N.W.E.H. Michaelmas (Riley) & Meadow Grove Dr.
0.24	7.87			
		5.58	2.29	T.B.M. end curb S/E of Cauby & W/E of Riley
4.90	7.19			
0+00		5.0	2.19	S/E of Cauby St.
+25		5.0	2.19	Sewer Crossing
+25		4.6	2.59	Sewer M.H.
+50		4.9	2.29	
+94		4.9	2.29	Sewer Crossing
+94		4.7	2.49	Sewer M.H.
1+00		4.9	2.29	
+50		4.8	2.39	
2+00		5.1	2.09	
+50		5.4	1.79	
3+00		5.6	1.59	
+50		5.9	1.29	

3-24-55

J. Gray

Reduced by 1/2"

Riley Cont

7.19

3+75	6.1	1.09
4+00	6.5	0.69
102	6.5	0.69
429	5.6	1.59
457	6.4	0.79
T.P.	5.96	1.23

Angle pt. in line 22° N.

So. gutter of Midway Dr.

of Midway & crown

No. gutter Midway

L&T 7/11 of Riley produced to So. curb Midway

GOSHEN ST.
 RILEY TO LINDA VISTA Rd.
 Construction Strs & Grds for
 8" A.C. MAIN

May 16 1955
 BEATTY
 SHOREY
 MARTELL

40

TBM	1.88	106.32		104.44		
0-05		8" CAP. (= 5 3/4" / 5 1/4" RILEY)	13.2	93.1	90.8	C23
0+15		8"x6" CROSS	7.6	98.7	95.0	C37
0+25			6.1	100.2	92.0 97.6	C32
0+50			1.4	104.9	100.6 101.8	C43
TD	12.88	118.23	0.97	105.35		
0+75			10.7	107.5	103.6	C39
1+00			7.6	110.6	106.5	C41
1+25			4.1	114.1	110.0	C41
TD	13.31	131.19	0.35	117.88	114.1	C39
1+75			9.3	121.9	118.2	C37
2+00			5.2	126.0	122.4	C36
TD	12.77	143.82	0.14	131.05		
2+50			9.7	134.1	130.4	C37
2+75			6.0	137.8	134.4	C34 ✓
2+84.9			4.5	139.3	135.8	C38 ✓
2+85	8x8 CROSS		4.67	139.19 = 139.27		NAIL IN Pole SW. Cor Lauretta & Riley
CK TBM			2.4	141.4	136.7	C47 ✓
TD	12.49	156.20	0.11	143.71		
3+25			11.8	144.4	138.4	C60
3+75			5.8	150.4	144.6	C58
4+00			2.8	153.2	149.6	C58
TD	13.35	169.44	0.11	156.09		
4+50			9.8	159.6	153.7	C59

Nail in pole SE Cor RILEY & GOSHEN (pg 3)

GOSHEN ST.
(Cont'd.)

5/16/55

41

	169.44						
5+00		4.3	165.1	159.9	C52		
5+25		1.9	167.5	163.0	C45		
PD	13.23	182.34	0.33	169.11	164.8		
5+50		12.5	169.8	165.2	C46 C50		
5+54.44	8x6 CROSS	12.1	170.2	165.3 166.0	C42 C49 (15) RT	170.8 C44 11.5 C48	35' LT 167.9 14.3 C32
6+00		7.9	174.4	167.5 170.0	C44 C69		
6+25		5.0	176.9	170.0 172.2	C47 C69		
PD	2.64	184.66	0.32	182.02	175.8		
6+75		1.3	183.4	177.0	C62		
7+00		1.2	183.5	177.5	C64		
7+25		1.6	183.1	177.8	C60		
7+50		1.9	182.8	177.9	C53		
7+75		2.5	182.2	176.8	C51		
8+00		2.4	182.3	175.8	C54		
8+25	8x6 TEE	2.8	181.9	174.7	C65		35' LT 181.9 2.8 C61
8+50		6.0	178.7	172.4	C72		
9+00		7.7	177.0	168.0 170.1	C63		
9+50		9.5	175.2	167.3 167.5	C69 90	172.2 174.1 12.4 10.5 5 0	
9+63	FH TEE	4.7	180.0	170.4 166.6	C57 C79	170.6 173.0 12.0 11.7 5 0	
9+75	⑤ FH.	11.1	173.6	169.0	C96 C122	169.5 171.0 15.1 13.7 5 5	
CK TBM.	1.68	178.70	7.64	177.02 = 177.06	C46 C70		
9+94		8.8	169.9	168.1 166.3	2" I.P. SW COR C36		

5/16/55

42

GOSHEN ST
(Cont'd)

10+00	178.70	89	169.8	166.2 +67.8	C3 ⁶ (not marked)
-------	--------	----	-------	----------------	------------------------------

WAT METS

(stud 25' RT & LT & ST)

0+50 E	N 106.32	3.4	102.9	104.6	F13
4+05 E	N 156.20	1.2	155.0	153.3	C13
4+69 E	169.44	6.3	163.1	161.5	C1 ⁶
4+91 E	"	3.1	166.3	167.0	C23
5+10 E	182.37	12.3	170.0	169.5	C05
7+60 W	182.66	1.9	182.8	181.7	C1 ¹
6+86			180.1		F17
6+87 W	2-METS		180.6	181.8	F13

1330 GOSHEN

May 17, 1955
 BEATTY,
 SURVEY
 MAPS

LAURETTA ST.
 GOSHEN To HUENEME
 Construction Grds & Strs
 for 8" AC MAIN

BM.	7.99	147.41		139.02		Dr. Nail in pole " " " City Engr?
TBM.	8.17	147.36		139.19 = 139.27		Nail in pole SW Cor Goshen - Lauretta See pg. 40 pg. 3.
0+00	Existing 8" C.I. W/ P.L. GOSHEN ST.		7.8	139.6	135.71	C ^e 23 ^e not marked
0+25			8.9	138.5	135.5	C30
0+35	8x8 CROSS.				135.8	
0+50			8.1	139.3	136.4	C29
0+63						
0+57	F.H. TEE		7.0	140.4	136.8	C36
⑤ F.H.			8.7	138.7	142.2	C19 (F. 35 to flange)
0+78	WM. Nly.		2.1	145.3	143.3	C20
1+00			7.3	140.1	138.1	C20
1+50			7.1	140.3	138.3	C20
2+00			3.2	144.2	140.4	C38
11)	13.12	160.32	0.16	147.20		
2+50			12.8	147.5	143.8	C37
3+00			9.2	151.1	147.2	C39
3+25			7.8	152.5	149.0	C35
3+75			2.6	157.7	153.5	C42
11)	13.11	173.29	0.14	160.18		
4+00			12.4	160.9	157.2	C37
4+50			4.9	168.4	164.9	C35
4+53	WM	Nly	+0.2	173.5	170.6	C29
5+00	11)	9.28	181.79	0.78	172.51	
				7.3	174.5	C38
5+34.65	8x6 TEE		4.2	177.6	173.6	C32 C40
CK TBM			3.52	178.27 = 178.33		Nail in pole SE Cor Lauretta & Huememe

May 18 1955
 BEATTY
 SHREVE
 MARTELL

HUENEME ST.
 LAURETTA TO RILEY
 Construction Str.s & Grds.
 for 6" A.C. MAIN.

TBM.	8.13	186.20		178.27		Nail in pole SE Cor Laurretta & Hueneme
0-05	6" C39		0.6	185.8	178.0	C78
0+35	8x6 TEE		7.8	178.6	173.6	C50
0+50	FH TEE		10.2	176.2	171.9	C43
	⑤ FH.		9.6	176.8	177.2	F04, C48
0+62.5			11.9	174.5	170.6	C39
IP	0.36	173.63	13.13	173.27		
1+00			3.4	170.2	166.4	C38
1+25			5.7	167.9	164.4	C35
1+50			6.7	166.9	162.8	C42
1+75			8.3	165.3	161.6	C32
2+00			9.0	164.6	160.4	C42
2+50			9.4	164.2	157.8	C64
2+70	2" BO (N.Y. PL RILEY)		10.7	162.9	156.8	C61
IP	2.21	162.84	13.00	160.63		
CK BM.	3.07	162.84	3.07	159.77	= 159.82	Conc. Mon. City Engr.
IP	0.00	150.39	12.45	150.39		
IP	0.28	137.31	13.36	137.03		
IP	2.97	125.14	13.14	124.17		
IP	0.25	112.34	13.25	111.89		
CK BM			7.92	104.42	= 104.44	Nail in pole SE Cor Riley & Goshen.
			WAT. METS			
1+34 E		173.6	5.6	168.0	168.5	F05 1225 Hueneme
1+78 W		173.6	83	165.3	165.4	F01 5982 ?
2+70 W			10.4	163.2	160.2	C30 ← OMIT

MAY 18 1955
 BEATTY
 SUGREY
 MARTEL

45

RILEY ST.
 GOSHEN TO COLUSA
 Construction Stks & Grds
 for 6" A.C. MAIN.

BM	1.90	106.31		104.44		Nail in pole SE Cor. GOSHEN & RILEY
0-05	6" CAP. (= 5' E of E. PL. GOSHEN)		12.6	93.7	92.5 92.0	C13
0+15	8" x 6" CROSS		7.8	98.5	95.0	C35
0+50			5.6	100.7	97.8	C29
0+70	FH TEE		3.7	102.6	98.3	C43
	(35) FH.		6.5	99.8	104.2	F44 C15
0+75			4.0	102.3	98.8	C45
1+00			3.0	103.3	99.6	C37
TP	6.80	112.10	104	105.30		
1+50			6.7	105.4	101.6	C38
2+00			5.9	106.2	102.0 102.4	C42
2+15	6" TEE		5.6	106.5	102.0 102.6	C45
2+37.5			5.7	106.4	101.7 102.5	C47
2+62.5			6.3	105.8	100.6 104.2	C46 C52
3+00			10.8	101.3	96.2	C51
TP	0.09	98.84	13.35	98.75		
3+50			4.9	93.9	89.6	C43
4+00			11.0	87.8	83.0	C48
TP	0.65	86.23	13.26	85.58		
4+25			1.0	85.2	79.9	C53
OK BM			3.84	82.39	= 82.40	BM NAIL IN P.P. S.E. Cor. RILEY & EUREKA
4+50			3.8	82.4	76.8	C56

RILEY ST
(Cont'd.)

86.23

5/18/55

46

4+60	6" GV (City)		6.0	80.2				
4+65	6"x6" TEE		8.3	77.9	?			
4+70	6" GV		8.3	77.9				
5+00			9.4	76.8	79.8			C30
TBM	0.44	73.79	12.88	73.35				TBM TOP OF PICKET IN PICKET FENCE APPROX 5+25 10' LT
5+50			2.9	70.9	67.5			C34
5+87.5			8.2	65.6	62.0			C36
6+00			10.2	63.6	60.4			C35 C32
TP	0.30	60.86	13.23	60.56	59.1			
6+25			0.5	60.4	57.0			C34
6+50			2.7	58.2	54.0			C42
CK TBM			2.91	57.95 = 57.93	49.6			P.K. NAIL IN P.P. APPROX 6+56 6' LT.
7+00			10.6	50.3	46.0			C43
TP	1.88	50.04	12.70	48.16	43.0			
7+15	6" TEE		3.2	46.8	44.0			C38
7+15	STUB TO 50.		7.5	42.5	42.0			C05
7+37.5			7.4	42.6	40.5			C21
7+62.5			7.9	42.1	40.0			C21
7+87.5			8.4	41.6	41.0			C06
8+00			6.9	43.1	42.8			C03
TP	13.23	62.14	11.3	48.91	43.6			
8+25			11.2	50.9	47.0			C39
8+75			2.1	60.0	50.3			C32 9?
9+00			1.6	60.5	51.0			C95

46.6
3.4

47.5
6.5

42.5
2.5

43.7
2.3

45.4
4.6

50.3
11.8

2.7
0

1.2

RILEY ST.
(Cont'd.)

9+45	F.H. TEE	62.14	4.2	57.9	51.0 51.3	C69	51
	(35) F.H.		3.2	58.9	55.85	C30, C72	
9+50			5.1	57.0	51.0 51.0	C60	56
9+60	GV. Cty		6.5	56.6	51.0	C56 (not marked)	63
9+65+	Existing Cross? End Work				50.8+		
IP CK BM.	12.73	70.82	4.05	58.09			
			0.11	70.71	= 70.64		

3/8/55

3.74

47

WAT. METS

0+75 N.	112.10		5.2	106.9	104.7	C22
2+02 N.			0.2	111.9	106.5	C54
2+56 N.			1.5	110.6	105.9	C47
4+50 N.	98.84		11.2	87.6	81.4	C62
5+03 N.	86.23		5.2	81.0	80.6	C64
5+99 S.	73.79		2.9	63.9	66.9	F30
8+33 N.	62.14		4.2	57.9	57.4	C05

Top. F.H. SE Cor Colusa & Lauratto. pp. 3.

NOTE: TOP OF PIPE ELEV.
8+33 TO 9+45

+	4.1	⑤ 8+75	16.46
3.57	63.57	60.04	
9+45	12.3	51.3	
9+00	11.6	52.0	
8+75	11.3	52.3	
8+33	14.6	49.0	
	4.66	58.91	
9+45 (35) F.H.		58.90	

BROOKLYN AVE
60th To 59th
Construction Jtk.5 & Grds.
for 6" A.C. MAIN

MAY 19 1955
BEATTY
SHOREY
MARTELL

48.

BM	13.05	247.58	234.53 242.69	
0+44	6" G.V. CITY	13.2	234.4	230.4
0+50		12.7	234.9	231.0
1+00		10.8	236.8	233.7
1+50		9.0	238.6	235.6
2+00		6.7	240.9	237.6
2+25		5.0	242.6	238.6
2+50		3.1	244.5	240.6
TP	13.09	260.58	0.09	247.49
3+00		11.5	249.1	245.6
3+35	Existing Cross	8.9	251.7	248.3
3+75		6.0	254.6	250.4
4+00		4.4	256.2	251.0
4+50		2.2	258.4	254.0
TP	5.80	265.40	0.98	259.60
5+00		5.9	259.5	256.4
5+50		5.5	259.9	256.0
5+75		6.3	259.7	255.5
6+00		7.2	258.2	255.0
6+135	Existing G.V.	7.6	257.8	254.0

L&T @ Brooklyn Ave 10' W 60th.
SW. RP Brooklyn & Fergus

c4⁰ ± not marked

c3²

c3¹

c3⁰

c3³

c4⁰

c3²

c3⁵

c3⁴ ±

c4²

c5²

c4⁴

c3¹ c3⁵

c3² c3⁹

c3⁰ c3⁶

c3³

c3⁸ ± not marked

Brooklyn Ave
(Cont'd.)

265.40

CK. TBM

6.96 258.44 = 259.38

TOP E.H. S.E. COR. 59th & BROOKLYN (E.B. 807 Pg. 48)

9.19 256.68

247.49

TP ON PAGE 48

CK. B.M.

4.41 252.27 = 252.22

TOP E.H. S.E. COR. IONA & BROOKLYN

WAT METS

247.58

1 1469 S

9.5 238.1 241.4

F 33

1 1474 N

5.7 241.9 240.1

C 18

2 2419 N

0.8 246.8 243.0

C 38

2 3412 N

260.58

8.4 252.2 252.6

F 04

2 4405 S

4.7 255.9 255.4

C 05 ✓

3 4456 S

2.5 258.1 258.0

C 01

265.40

3 4460 N

4.1 261.3 259.5

C 18

3 5474 N

2.3 263.1 260.6

C 25

4 5428 S

6.1 259.3 259.1

C 02

4 5480 S

7.1 258.3 258.3

C 00

4 5497 N

5.0 260.4 259.3

C 11

5/19/55

49

EMERALD ST.
PENDLETON TO OLNEY
Construction Str. 5 & Grd. 5
for 6" A.C. WATER MAIN

BM 0.04 83.15 83.11
CKTBM 4.90 74.80 13.25 69.90 = 69.97

0-12 F.H. TEE 2.5 66.3 63.0

(3) F.H. 7.6 67.2
7.3 67.3

0+00 Existing 6" C.I. Sub. 8.3 66.5 63.0

0+80 " " " 8.3 66.5 63.0

1+02.5 7.3 67.5 63.1

1+25 6.9 67.9 63.2

1+50 6.8 68.0 63.4

2+00 7.4 67.9 63.8

2+25 7.5 67.3 63.2
64.0

2+50 7.4 67.4 63.2
63.7

3+00 7.9 66.9 63.2
63.7

3+50 8.2 66.6 63.2
63.4

4+00 8.2 66.6 63.2 ✓

4+50 7.8 67.0 63.25

4+56 8.1 66.7 63.3

5+00 7.3 67.5 64.2
64.5

5+50 5.4 69.4 65.2
65.8

JUNE 3 1955
SHREY
MARTELL
KELLHOFER

50

BP SW Cor. Pendleton & Diamond
PK in Pole SW Cor. Pendleton & Emerald.

C3³

C0² C4²

C3⁵

C3⁵

C4²

C4²

C4⁶

C3⁶

C3² C4¹

C3⁵ C4²

C3² C3⁷

C3² C3⁴

C3⁴

C3²

C3⁴

C3² C3³

C3⁶ C4²

EMERALD ST.
(CONT'D)

9/2/55

51.

74.80

5+65	F.H. TEE	5.1	69.7	65.7	C40	
	(5) F.H.	5.2	69.6		F02	C32
		5.4	69.4	70.3	F09	C37
5+85		4.4	70.4	66.6	C38	
6+075		3.4	71.4	67.2	C42	
6+305	Conn to Exist. 2" 30. ?	2.8	72.0	67.67	—	
OK TBM		4.90	69.90	=69.97	PK NAIL IN POLE	

WAT METS

0+00	S.	74.80	8.1	66.7	66.5	C02	
1+23	S.		7.1	67.7	67.0	C07	
			7.2	67.9		C08	
2+41	S.		7.4	67.4	67.4	C00	2255 Emerald
2+85	S.		7.6	67.2	67.5	F03	
			7.7	66.9		F06	2247
3+26	S		8.1	66.7	67.6	F09	
			8.4	66.4		F12	2239
3+77	S		8.4	66.4	67.7	F13	2233
4+08	S		8.2	66.6	67.8	F12	2227
4+62	S		8.1	66.7	68.1	F14	
			8.2	66.6		F15	2219
4+92	S		7.5	67.3	68.3	F12	2213
			7.7	67.1			
5+20	S		7.0	67.8	68.8	F10	2209
5+65	S		5.1	69.7		F03	
			5.3	69.5	70.0	F05	2203

ELECTRIC AVE.
COLIMA ST. SW
CONSTRUCTION STR'S & GRD.

⑤

B.M.	11.94	87.90 89.92	77.98 75.96
0+70	EXISTING B.O.	6.0	81.9 83.9
1+00		6.3	81.6 83.6
1+50		6.3	81.6 83.6
2+00		5.8	82.1 84.1
2+50		5.4	82.5 84.5
3+00		5.2	82.7 84.7
3+50		5.0	82.9 84.9
4+00		5.6	82.3 84.3
4+50		6.0	81.9 83.9
4+97	EXISTING B.O.	6.3	81.6 83.6
CK. B.M.		11.94	75.96 77.98

B.M.	1.90	149.42	147.52
	1.68	138.31	12.79 136.63
	1.59	126.76	13.14 125.17
	2.20	115.98	12.98 113.78
	1.34	104.15	13.17 102.81
	1.49	92.38	13.26 90.89
	2.65	87.72	7.31 85.07
		11.68	76.04 = 75.96

6/3/55

82.1

52

SHUREY
MARTEL
KELLHOFFER

S.E.B.P. (W-6708)
S.W.B.P. Colima & La Jolla Blvd (11889-4)

C₃³ + NOTE: CUTS DOUBTFUL?

C₃² 3¹

C₃² 3¹

C₃² 3⁶

C₃² 3²

C₃² 3³

C₃² 3²

C₃² 3⁶

C₃² 3¹

C₃⁰ ?

L & T. N. E. COX. TAFT & COLIMA

ABOVE

CAMINO DE LA COSTA
 AVENIDA CORTEZ - CAMINO DE LA COSTA
 CONSTRUCTION STR.S & GRD.S
 FOR 6" A.C. MAIN.

JUNE 6 1955
 JOSEY
 MARTELL
 KELLHOFFER

53

BM	2.28	36.87	34.61		Top FH. Nly Cor. Ave. Cortez & del la Costa. FB. 1645-10, (City Engr.) FB. 859-43	
0+00			4.50	32.39	27.6	CA ⁸ ?
0+25			4.4	32.5	27.7	CA ⁸
0+50			4.3	32.6	27.8	CA ⁸
0+75			4.6	32.3	27.9	CA ⁸
1+00 P.O.C.			5.2	31.7	28.0	CA ⁷
1+25			5.6	31.3	28.0	CA ³
1+50 P.R.C.			5.5	31.4	28.1	CA ³
1+75			5.4	31.5	28.2	CA ³
2+00			5.3	31.6	28.2	CA ⁴
2+25 E.C.			5.1	31.8	28.3	CA ⁵
2+50			4.6	32.3	28.4	CA ²
3+00			4.9	32.5	28.5	CA ⁰
3+50			4.2	32.7	28.6	CA ¹
3+93 ⁰⁴ B.C.			4.1	32.8	28.7	CA ¹
4+00			4.0	32.9	28.7	CA ²
4+28 F.H. TEE			3.9	33.0	28.8	CA ³
③						
4+50			3.8	33.1	28.9	CA ³
5+00			3.8	33.1	29.0	CA ¹

CAMINO DE LA COSTA.
(CONT'D)

6/6/55

54

SHOREY
MARTEL
KELLHÖFER

36.89

5+50		3.4	33.5	29.2	CA ²	
TP 6+00	3.02	36.68	3.23	33.66	29.3	CA ⁴
6+25		3.1	33.6	29.4	CA ²	
6+50		3.2	33.5	29.3	CA ²	
7+00		3.6	33.1	29.1	CA ⁰	
7+50		4.6	32.1	27.8	CA ³	
8+00		5.8	30.9	26.6	CA ³	
8+50		7.0	29.7	25.4	CA ³	
8+94 F.H. TEE		8.0	28.7	24.3	CA ⁴	
8+98 ¹⁵ E.C.		8.0	28.7	24.2	CA ⁵	
9+00		8.0	28.7	24.2	CA ⁵	
9+19 Δ PT. 45° & 11 1/4° BEND		8.1	28.6	24.7	CA ²	
TP	12.40	41.48	7.60	29.08		
9+50		11.3	30.2	25.8	CA ⁴	
9+75		10.3	31.2	26.7	CA ⁵	
9+83 Δ PT. 45° & 22 1/2° BEND		10.3	31.2	27.3	CA ²	
10+06 END WORK		8.5	33.0	28.9	CA ^{1-?}	
		8.52	32.96	= 32.94	(F.B. 859 Pg. 44)	

GREGORY ST.
MARTIN ST., SLY

6/9/55
SHOREY
MAETEL
KELLHOFER

55

TBM	1.25	12.30	11.05	
4+05	CONN. TO EXISTING MAIN BY CITY	4.8	7.5	3.3
4+50				3.0
4+50	F.H. TEE	5.6	6.7	3.0
(5)		5.1	7.2	06.6
5+00		5.9	6.4	2.8
5+50		6.1	6.2	2.5
6+00		5.6	6.7	2.3
6+50		5.7	6.6	2.0
7+00		5.4	6.9	1.2
7+20	2" B.O. END OF WORK	6.0	6.3	0.9
		6.10	6.20	= 6.24

TOP F.H. S.E. COR. MARTIN & GREGORY F.B. 901-34

C4[±]

C3[±]

C4[±] ~~00~~ 4 00[±]

C3[±]

C3[±]

C4[±]

C4[±]

C5[±]

C5[±]

TBM. ON PROP. PIPE F.B. 901-35

WATER METER.

4+71 W.	5.3	7.0	6.6	C6 [±]	820
---------	-----	-----	-----	-----------------	-----

MACAULEY ST.

PLUM TO WILLOW

STK 6 RD.

⑤

BM	12.74	99.96	87.22
0+45 BEGIN WORK		3.5	96.5
0+50		3.3	96.7
0+75		2.4	97.6
0+85 F.H. TEE		2.4	97.6
⑤		5.3	94.7
1+00		2.9	97.1
1+50		7.1	92.9
2+00		10.4	89.6
2+50 TP	0.50	87.19	13.27 86.89
2+75		2.5	84.7
3+00		4.8	82.4
3+25		7.3	79.9
3+50 TP	0.43	74.30	13.32 73.87
3+62 ^{SD} 2 1/2° BEND		7.2	67.1
4+00		11.9	62.4
4+15 TAPPING SLEEVE & " S.V. BY CITY		12.6	61.7
TP	2.20	63.90	12.60 61.70
CK. TBM		4.26	59.64

= 59.54

6/11/55
SHOREY
MARTEL
KELLHOFER

56

S.W.B.P. PLUM & LOWELL ST. (6998-A-L)

33	WAT. METERS
99.96	
30	0+80 S. 4.4-95.6-92.5 C3 ¹
25	1+52 N. 4.1-95.9-89.5 C6 ⁴
25	1+81 N. 6.8-93.2-87.8 C5 ⁴
	1+91 S. 11.0-89.0-86.6 C2 ⁴
	87.19
29	3+55 N. 13.4 73.8-70.8 C3 ²
65	
10.0	
13.2	
2.5	
4.8	
7.3	
12.3	
2.5	
11.6	
12.3	

3/4 PIPE S.W. COR. MACAULEY & WILLOW PG. 19

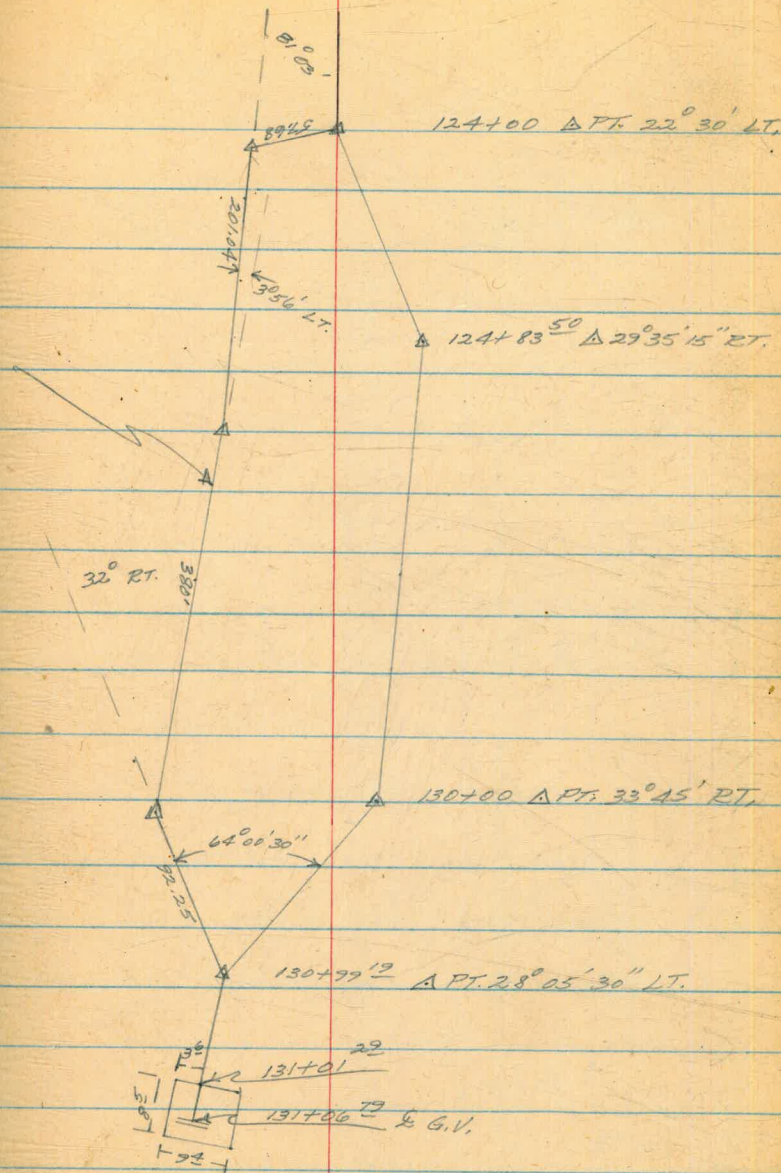
PROPOSED PIPELINE
ACROSS CHANNEL TO NAVAL
TRAINING STATION
(HARBOR DRIVE)

124+00 BEGIN SURVEY

124+00 = 124+00 ON DRAWING D.P.W.-6
SHEET 17A OF 25 SHEETS

NOTE: TRANSIT
LINE TO TIE IN
TRAVERSE

131+06⁷⁹ END SURVEY



(CONT'D)

124+00

124+19

A.C. PAKT.

124+63 8² LT. ELEC. M.H.

124+71 10² LT. TEL. M.H.

124+76

124+83

124+81

5' CATWALK
2"X4"

BRIDGE DECK IS 3"X10" TIMBER
ON EDGE WITH A.C. COVER

6' CYCLONE FENCE

130+00

130+64

130+99

131+01

131+06

58

124+19 22°30'

Cb ♀

4'X11' Cb. INLET
STORM DRAIN

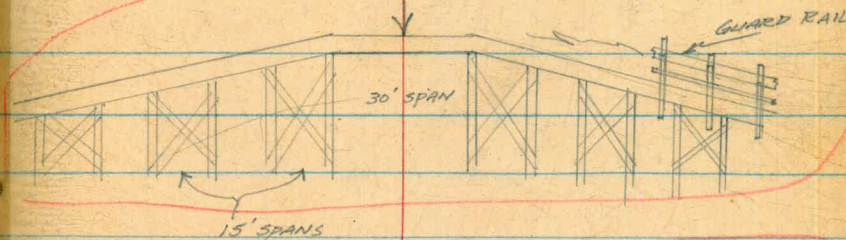
Cb. INLET
DRAIN

124+00

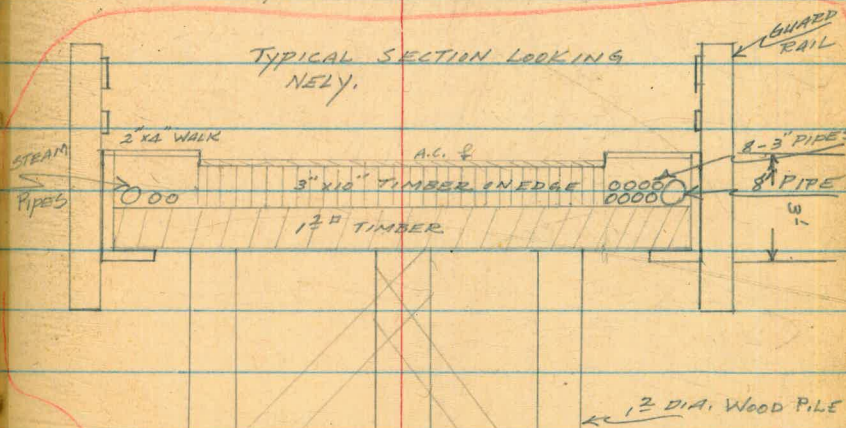
124+00

124+00

COLLAR &
8" RISER



TYPICAL SECTION LOOKING
NELY.



(CONT'D)

BM	9.60	27.69	18.09	
TP	1.05	15.72	13.02	14.67
TP	5.21	9.95	10.98	4.74
SET TBM	5.51	7.17	8.29	1.66
124+00			10.54	
124+00			10.03	
124+14			6.04	
124+16			6.06	
124+19			6.24	
124+19			6.78	
124+50			6.27	
124+63	ELEC. XING.		6.13	
	ELEC. M.H. RIM		6.22	
124+71	TEL. XING.		5.99	
	TEL. M.H. RIM		6.06	
124+76 ⁵			5.75	
124+76 ⁵			5.31	
124+81 ¹⁰			4.90	
124+83 ⁵⁰	Δ PT.		4.45	
125+00			3.34	

11/4/55
SHIBEY
MARTELL
KEMP
HOLAHAN

59

P. 722
1244
U.S.G.S B.M. SE. COR. BRIDGE (F.B. 861-22)

N.E. COR. VALVE CHAMBER APPROX. 123+68

TOP 16" PIPE

TOP FLANGE BALL MECHANICAL FITTING

TOP OF Cb. INLET DRAIN

TOP Cb.

GUTTER

124+63 8" LT. (FULL OF WATER)

124+71 10" LT. (FULL OF WATER)

GUTTER

TOP Cb.

EDGE CONC. WALK & BEGIN CATWALK

(CONT'D)

11/4/55
SHOREY
MARTELL
KEMP
HOLAHAN

60

7.17

FP 11.79 17.53 1.43 5.74

125+50 9.87

126+00 6.13

FP 13.05 27.25 3.33 14.20

126+50 12.16

127+00 8.42

127+00² 8.37

127+30 8.44

127+50 9.49

128+00 12.34

FP 11.7 15.38 13.04 14.21

128+50 3.36

129+00 6.18

129+50 9.10

130+00 Δ PT. 11.77

130+12³⁰ 11.97

130+12³⁰ 13.97

130+50 13.70

130+64 FENCE LINE 13.30

EDGE CATWALK & BEGIN CONC. WALK

EDGE CONC. ABUT.

DIRT

6' CYCLONE FENCE

(CONT'D)

61

15.38

130+99¹⁹ Δ PT

12.39

131+01²⁹

12.34 3.04

131+06⁷⁹

12.44

131+06⁷⁹

17.54

TP 6.62 21.50 0.50 14.88

CK. B.M. 3.43 18.07 = 18.09

EDGE VALVE CHAMBER

TOP VALVE CHAMBER @ G.V.

TOP 16" PIPE

HARBOR DRIVE
 PROPOSED PIPELINE AT N.T.C.
 & HARBOR DRIVE BRIDGE

11-15-55

SHOREY
 MARTEL
 KEMP

62

140+00.70 Δ PT. 42° 38' RT.
 131+00.90 140+00.90 = 130+99.19 Δ PT. ORIG. SURVEY
 (SEE T&S 57 & 58)

130+12.95 Δ PT. P.E.C. 36° 34' LT.

SIGHTED BACK AT STA. 129+88.95
 THEN TURNED TO 140+00.90

R = Approx. 4032'

123+94.63 - B.C.

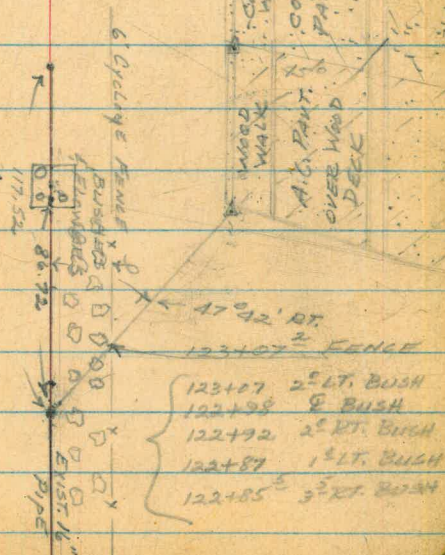
123+52.63 Δ 45° LT.

122+82.48 STA. ON EXIST. 16" PIPE Δ PT. 47° 42' RT.

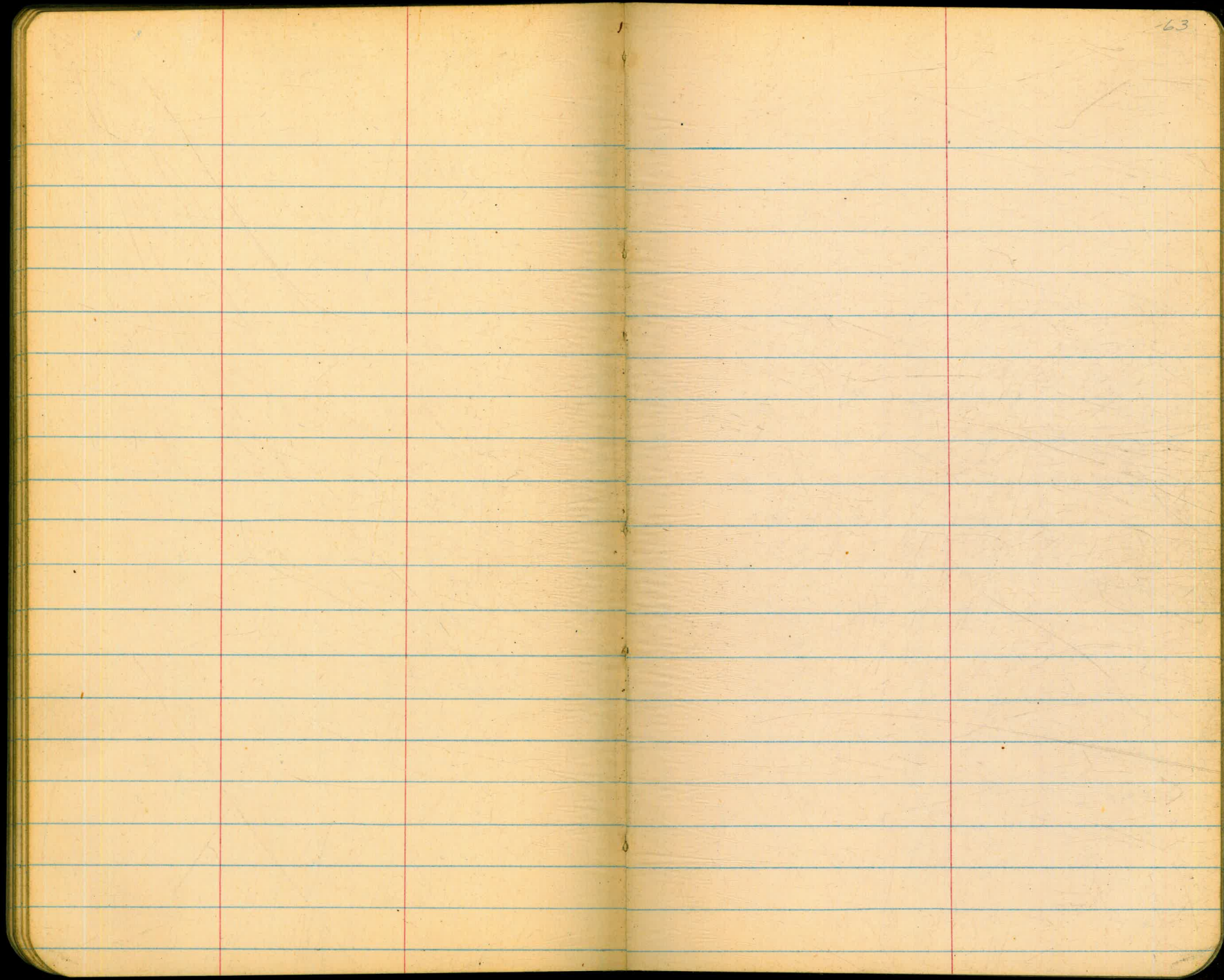
122+82.48

STA. 124+00

VALVE CHAMBER



- 123+07 2° LT. BUSH
- 122+98 2° BUSH
- 122+92 2° RT. BUSH
- 122+87 1° LT. BUSH
- 122+85 3° RT. BUSH



(CONT'D)

11-15-55
SHROY
MARTEL
KEMP

64

LT

RT

TBM 13.12 14.78 1.66

N.E. COR. VALVE CHAMBER

0-05 18.22

TOP 16" PIPE

0+10 13.2

0+50 13.3

0+55⁶⁸ GRD. 13.6

GRD.

TP 11.78 25.49 1.07 13.71

123+74⁶³

ATT. BRIDGE 5.60 19.81

123+75⁹⁰ Edge CONC. 5.56 19.93

124+38⁹⁵ 4.62 20.87

124+57⁴⁵ 4.27 21.28

124+88⁹⁵ 3.74 21.75

125+38⁹⁵ 3.08 22.41

125+88⁹⁵ 2.65 22.84

TP 4.69 27.78 2.40 23.09

126+26⁷⁵ Edge CONC. 4.67 23.11

126+98⁹⁵ 4.72 23.66

127+38² 4.86 22.92

127+38⁹⁵ 4.90 22.88

127+88⁹⁵ 5.34 22.42

123+94⁶³
0+55⁶⁸
122+38⁹⁵ EQU

5.60

4.61

3.72

3.06

2.62

4.71

4.73

4.88

5.34

5.56

4.67

3.82

3.17

2.72

4.74

4.79

4.98

5.47

5.62

4.70

4.8

4.8

4.8

4.8

4.8

4.8

4.8

6.64

5.70

4.79

4.11

5.67

5.73

5.77

5.90

4.37

4.85

5.1

5.1

5.1

5.1

5.1

5.1

5.1

5.1

5.2 GUTTER

5.1 GUTTER

5.1 GUTTER

5.1 GUTTER

5.1 GUTTER

5.1 GUTTER

5.1 GUTTER

5.1 GUTTER

5.1 GUTTER

(CONT'D)

11-1-55
SHO

65

LT

RT

	27.78						
128+38 ⁹⁵ 5+00	5.98	21.80	5.96 1.2	X	6.09 4.8	6.27 5.1	GUTTER
128+88 ⁹⁵ 5+52	6.87	20.91	6.86 1.2	X	6.99 4.8	7.89 5.1	GUTTER
129+08 ³⁵ 5+67 ⁴⁸ Edge CONC	7.23	20.55					
TP	0.96	21.52	7.22				
129+30 ⁹⁵ 6+00	1.66	19.86	1.68 2.2	X	1.73 4.3	2.69 3.1	GUTTER
129+67 ² 6+30 ⁹⁵ Edge CONC	2.42	19.10					
129+88 ⁹⁵ 6+50	3.00	18.52	2.78 1.2	X	3.06 4.8	3.91 5.1	GUTTER
130+09 ⁵⁵ 6+49 ⁸⁰ Edge CONC ABUT.	3.44	18.08					
130+09 ⁶⁵ 6+70 ⁷⁰ " " "	3.45	18.07					
130+09 ⁹⁵ 6+77 BRD. (Ground)	4.35	17.17	6.9 3.6 5.5 3.45 3.45 10 6 2.5 2.5 0.5	C	4.4 5		} RT. 43 to BE temp
130+12 ⁹⁵ 6+74 APT. F.E.C.	4.75	16.77	7.5 6.0 4.3 4.3 4.7 10 5 3.5 2.2 1.2	C	4.8 5		
130+15 6+76 BOTT. OF A.C. BERM	4.80	16.72					
130+17 6+78 Top OF A.C. BERM	4.30	17.22					
130+19 6+80 " " " "	4.30	17.22					
130+21 6+82 BOTT. OF A.C. BERM	5.2	16.32	8.0 10	X	4.3 2-TOP BERM	4.3 4.8 5.1 3.5 10 4-TOP BERM	
130+38 ⁹⁵ 7+00	11.3	10.22	14.3 10	X	7.1 10		
TP	2.57	11.10	12.99				
130+65 ⁹⁵ 7+37 TIE OF SLOPE	8.4	2.7	8.6 10	X	6.0 10		

WATER METERS
ASH ST.; BANCROFT TO FELTON
0+00 = E.H. BANCROFT

BM	112.39	199.49	187.10	
CK. BM			6.45	= 193.04
0+05	EXIST. F.H. 22' RT. Q	6.8	192.7	192.0
0+37 S.		6.2	193.3	191.8
0+74 S.		6.7	192.8	192.1

6/14/56
SHOREY
KEMP
SMITH

67

⑦ LET S.W. COR. 33RD & ASH
NAIL IN P.P. S.E. COR. BANCROFT & ASH
CO² PLUMBE @ HUB

C1⁵ "32.53" SET & VERT. RISER
21' FROM Q
CO² "32.65"

WATER METERS
ALTADENA - STERLING CT. TO LANDIS

6/18/56
SHOREY
KEMP
SMITH

68

BM	1.97	318.84	316.87	
TP	6.32	320.48	4.68	314.16
3+23 Wly			5.40	315.08 314.2
2+64 Wly			4.50	315.98 314.9
2+57 Wly			4.44	316.04 315.0
2+14 Wly			4.15	316.33 315.4
1+55 Wly			2.70	317.78 316.2
1+02 Wly			2.18	318.30 316.1
0+73 Wly TP	5.04	323.65	1.87	318.61 317.1
0-03 Wly			4.04	319.61 317.9
0-57 NWly			5.27	318.38 317.5
0-103 NWly			7.30	316.35 315.8
CK.BM			6.19	317.46 = 317.47
BM	6/11/56	Beatty		
	1.38	318.25		316.87
5+30 W @ FC curb			5.0	313.3 311.6
4+37 W			4.4	313.9 312.8
3+92 W	10.32	324.48	4.09	314.16 313.4
			7.01	317.47 = 317.47

NAIL IN P.P. ALTADENA + STERLING CT.

C0 ²	"3646"
C1 ¹	"3654"
C1 ⁰	"3662"
C0 ²	"3670"
V1 ⁶	"3678"
C1 ⁶	
BT⁵	RE-SET C1 ³
C1 ³	
C0 ³	
C0 ⁶	

CHITL + IN DRIVEWAY 50' So. B.C. ALTADENA +
LANDIS ST.

WATER METERS
LANDIS ST.; ALTADENA TO LEMMA

6/19/56

69

SHOREY
KEMP
SMITH

CHIS'L. + IN DRIVEWAY 50' SO. OF CB. B.C. ALTADENA
LANDIS

BM	4.42	321.89	317.47
14+26 (5) F.H.		3.0	318.9 319.2
13+25 S.		3.1	318.8 316.7
13+55 S.		4.2	317.7 315.0
12+68 N.		7.5	314.4 313.3
12+64 S.		6.7	315.2 314.0
12+20 N.		7.4	314.5 313.5
12+12 S.		6.6	315.3 314.2
TP	1.60	324.43	5.06 316.83
11+37 N.		9.6	314.8 313.9
10+90 S.		8.4	316.0 315.3
10+53 S.		7.3	317.1 316.5
10+36 N.		6.2	318.2 316.7
9+76 N.		2.3	322.1 320.5
OK.		6.92	317.51 = 317.47

F0³

C2^L

C2^L

C1^L

C1²

C1⁰

C1^L

C0²

C0²

C0⁶

C1⁵

C1⁶

SEE ABOVE

"5103"

"5104"

"5129"

"5120"

"5143"

"5130"

"5155"

"5159"

"5150"

"5164"

LOWERING MAIN ON 33RD
 DATE TO ELM
 0+00 = 120' NOB. N/L DATE
 @ STK'S & GRD

BM	11.49	238.02		226.53	
TP	2.32	231.11	9.23	228.79	
0+00			2.3	228.8	224.0
0+20			4.4	226.7	221.9
0+40			6.1	225.0	219.7
0+60			8.9	222.2	217.6
0+67 END WORK			11.4	219.7	216.8
TP	7.52	236.03	2.60	228.51	
CK. BM			9.50	226.53 = 226.53	

CHECK ON ELEV. OF A.C. MAIN 7/10/56

				223.94	CB. ELEV.
				1.2	
TBM	1.71	226.85		225.14	
TOP 6" A.C. MAIN			6.57	220.28	218.4

TBM	7.02	232.16		225.14	
			8.64	223.55	
			4.67	227.47	

6/19/56
 SHOREY
 KEMP
 SMITH

70

NWBP ELM & BANCROFT

C4⁸

C4⁸

C5³

C4⁶

C2⁹

1+45²¹

CB. RADIUS HUB MK'D C1³

0+51²

STA. MK'D 1+80 & TURN AROUND

STA. MK'D 1+80 & TURN AROUND MK'D C2⁴

STA. MK'D 1+45²¹ CB. RADIUS MK'D C2⁵

HARBOR DRIVE BRIDGE
22" PIPELINE CROSSING

(5) STKS & GRD

TBM	12.52	14.18		1.66		
122+82	⁴⁸	45° BEND BY CH	11.4	2.8	-2.4	C5 ²
122+95		BEGIN CONT.	11.4	2.8	-2.0	C4 ⁸
123+11		22 1/2° BEND	9.5	4.7	-1.8	C6 ⁵
TP	7.15	20.21	11.2	13.06		
123+36		1 1/4° VERT. BEND	5.5	14.7	8.4	C6 ³
123+41 ⁵		20" x 16" REDUCER	3.5	16.7	12.2	C4 ⁵
123+44			2.5	17.7	13.7	C4 ⁰
123+52 ⁶³		- ΔPT.			19.5	

1.28 18.93 = 18.96

6/19/56

SHOREY
KEMP
SMITH

19.5
18.96
0.54
1.0
0.66

71

N.E. COR. VALVE CHAMBER (SEE Pg. 64)

(STA. 123+55^A Pg. 66)

WATER METERS
33RD ST.
DATE TO ELM

TP	10.78	232.58	228.80
0+56E.		5.3	234.3 230.5
0+76W.		6.4	233.2 230.5
1+29E.		13.0	226.6 224.8
CR. TP		10.78	228.80 - 228.80

6/21/56
SHOREY
KEMP
SMITH

72

④ 0+00 (SEE PG. 70)

C3⁸

"1707"

C2⁷

"1712"

C1⁸

"1719 & 21"

ELEV. ON EXIST. MAIN
ALLEY BLK. 127 - NORTH OF BEDWOOD, E. OF
MARLBOROUGH.

0+00 = 5/L

BM	1.60	303.42	301.82
0+00	TOP G.V. STEM	4.4	299.0
0+50	TOP 6" MAIN	5.6	297.8
"	GROUND	5.7	297.7
1+00	TOP 6" MAIN	5.3	298.1
"	GROUND	4.7	298.7
TP	2.43	303.77	2.08 301.34
2+00	TOP 6" MAIN	5.53	298.24
"	GROUND	2.4	301.3
3+00	TOP 6" MAIN	6.67	297.10
"	GROUND	3.7	300.1
5+00	TOP 6" MAIN	12.45	291.32
"	GROUND	2.3	294.5
TP	6.21	299.03	10.95 292.82
6+12	F.H. G.V. STEM (TOP)	13.42	285.61
TBM	8.77	299.37	8.43 290.60
TD	7.41	306.24	0.54 298.83
TP	4.44	304.88	5.80 300.44
CK. B.M.		3.03	301.85 = 301.82

6/21/36
SHOREY
KEMP
SMITH

73

N.W.B.P. THORN & MARLBOROUGH

7.67
5.75
13.42

TOP F.H. 6+12 7' LT.

WATER METERS
 STERLING CT.; ALTADENA TO LEMONA
 0+00 = E/L ALTADENA ON E. ST.

6/22/56

SHOREY

KEMP

SMITH

74

BM	4.09	320.96	316.87			NAIL IN P.P. S.W. COR. ALTADENA & STERLING CT. (Pg. 68)
0+43 S.			4.0	317.0	315.7	C1 ³ "36.77" ALTADENA
1+02 N.			3.6	317.4	316.9	C0 ⁵ "5116" STERLING
1+33 S.			4.2	316.8	316.2	C0 ⁶ "5119" STERLING CT.
1+71 N.			5.5	315.5	314.7	C0 ⁸ "5128" "
2+50 N. TP 182	314.00	8.78	312.18	310.9		C1 ³ "5138" "
3+36 @ F.H. SO.			5.6	308.4	307.9	C0 ⁵ MK'D ON CONC. Cb.
3+76 N.			7.3	306.7	305.7	C1 ² "5154" "
3+99 S.			8.5	305.5	304.6	C0 ⁹ "5151" "
CK. BM.			2.99	311.01 = 311.03		BM. DISC. 26' N. OF STERLING & 5' W. OF 51 ST

WATER METERS
 51ST ST., STERLING, CT. TO So. TERMINUS
 0+00 = S/L STERLING CT.

6/22/56

SHOREY
 KEMP
 SMITH

75

BM	9.22	320.25	311.03
0+20 W.		9.2	311.1 310.9
0+78 W. TP 7.86	326.53	1.58	318.87 318.0
0+99 E.		6.6	319.9 319.4
1+27 E.		4.8	321.7 321.1
1+74 E.		4.3	322.2 321.7
1+85 W.		4.3	322.2 321.9
2+18 E.		6.0	320.5 319.7
2+52 W.		7.7	318.8 317.9
2+73 E.		10.0	316.5 315.7
TP	1.49	317.54	10.49 316.05
CK. B.M.		6.49	311.05 - 311.03

DISL. 26' NDB. & STERLING CT. & 5' W. OF & 51ST

BM 10.89 321.92 311.03
~~RE-STAKED 7/3/56 11.0 310.9 CO²~~

CO² ✓ "3644"
 TP 5.11 325.70 1.33 320.59
 "3643"

CO⁶ ✓ "3635"

CO⁵ ✓ "3627"

CO³ ✓ RE-STAKED 7/3/56 "3628" 3.6 322.1 CO²

CO⁸ ✓ "3619"

CO⁹ ✓ RE-STAKED 7/3/56 "3616" 7.1 318.6 CO²

CO⁶ ✓ RE-STAKED 7/3/56 "3611" 9.2 316.5 CO⁶

CK. @ 2+18 E. 5.2 320.5 = 320.5

SEE ABOVE

V. RISEY

Mets 9' of P/L

WATER METERS
STERLING CT. ALTADENA TO WEST TERMINUS
0+00 = W/L ALTADENA

6/22/56
SHOREY
KEMP
SMITH

76

BM	1.03	317.90		316.87	
	0.12	316.79		316.87	
0+12.5			4.2	313.2	312.4
			3.8	313.2	
0+79.5			5.9	312.0	311.0
			5.1	311.9	
1+90 N.			5.8	312.1	311.3
			5.0	312.0	
2+00 S.			5.0	312.9	312.2
			4.4	312.6	
2+31 N.			4.5	312.4	312.6
			3.7	313.3	
2+74 S.			2.9	315.0	314.0
			2.3	314.7	
2+97 N.			2.5	315.4	314.6
			1.8	315.2	
3+20 S, TP	5.09	321.30	1.69	316.21	315.3
TP	5.38	321.02	0.18	316.2	
			0.8	315.64	
3+74 S.		1.35	4.4	316.9	316.3
			4.4	316.6	
3+82 N.			4.2	317.1	316.7
			3.9	317.1	
4+25 S.			4.7	316.6	315.5
			4.5	316.5	
4+51 S.			5.8	315.5	314.4
5+01 W.			7.9	313.4	311.4
CK. BM			4.6	316.26 = 316.28	

50th ST.
STERLING CT. TO N.W. TERMINUS

NAIL IN P.P. S.W. COR. ALTADENA & STERLING CT.

CO ⁸	✓	SET & VERT. RISER, 6' FROM PROP. 5083
CO ⁸	✓	RE-STAKED 7/9/56
CO ⁸	✓	"5075"
CO ⁸	✓	"5036"
CO ⁷	✓	"5059"
CO ⁸	✓	"5028"
CO ⁷	✓	"5045"
CO ⁸	✓	"5022"
CO ⁶	✓	"5035"
CO ⁸	✓	"5025"
CO ³	✓	"3611" 50 th ST.
CO ⁴	✓	"5015" (316.28)
CO ⁹	✓	"5005"
CO ⁹	✓	"4999" END OF ST.
3/4" I. PIPE	✓	N.W. COR. 50 th & STERLING CT.

FO^L FLANGE

CO ⁶	✓	"3612"
CO ⁹	✓	"3617"

3/4" PIPE N.W. COR. 50th & STERLING CT.

40th ST.
ORANGE TO EL CAYON
④ STK'S & GRD. 4" A.C. MAIN

6/22/56
SHOREY
KEMP
SMITH

77

BM	5.88	370.50	364.62		N.W.B.P. ORANGE & 40 th
0+30	6"x4" TEE	6.4	364.1	360.3	C ₃ ⁸ ± NOT MK'D,
0+50		6.3	364.2	360.4	C ₃ ⁸ WATER METERS
1+00		6.3	364.2	360.6	C ₃ ⁶ 1+74 W. "42.10"
1+50		6.1	364.4	360.7	C ₃ ⁷ 2+14 W. "42.20"
2+00		6.1	364.4	360.9	C ₃ ⁵ 2+44 W. "42.26"
2+50		5.9	364.6	361.0	C ₃ ⁶ 2+75 W. "42.32"
3+00		5.4	365.1	361.1	C ₄ ⁰ 3+16 W. "42.42"
3+50		5.3	365.2	361.2	C ₄ ⁰ 3+68 W. "42.46"
4+00		5.1	365.4	361.3	C ₄ ¹ 4+22 W. "42.52"
4+50		5.0	365.5	361.5	C ₄ ⁰ 4+57 W. "42.58"
5+00		4.9	365.6	361.6	C ₄ ⁰ 4+97 W. "42.64"
5+50		5.2	365.3	361.7	C ₃ ⁶ 5+39 W. "42.74"
6+00		4.7	365.8	361.9	C ₃ ⁹ 5+75 W. "42.80"
6+50		4.9	365.6	362.0	C ₃ ⁶ 6+14 W. "42.86"
7+00		4.5	366.0	362.2	C ₃ ⁸
7+11 ⁴	4" TAPPING SLEEVE	4.3	366.2	362.2	C ₄ ⁰ NOT MK'D
OK.		4.38	366.12 = 366.13		STA. 7+11 ⁴ F.B. 867-78
TBM	5.21	341.34	366.13		EL CAYON - MOVED F.H. 9 ⁵ WEST
⑤ F.H.		4.69	366.65	366.36	C ₀ ²⁹ TO FLANGE

MK'D CO² ON ALL METERS
METERS IN EXIST. SIDEWALK
STK'D 5' from WLY P/L

52ND ST. WATER METERS
 UNIVERSITY TO LANDIS
 0400 = 5/8 REX AVE. WEST

	1.77	337.01	335.24	
0 - 89 E			5.4	331.7 330.8
0 + 16 W.			4.0	333.0 331.8
0 + 48 E.			3.9	333.1 332.2
0 + 73 W.			4.3	332.7 331.6
1 + 25 E.			4.2	332.8 332.0
1 + 25 W.			4.7	332.3 331.3
1 + 64 W.			4.9	332.1 331.2
1 + 89				
1 + 91 W.			5.0	332.0 331.1
1 + 91 W.			5.0	332.0 331.1
2 + 18 E.			4.3	332.7 331.5
3 + 46 E.			2.2	334.8 333.7
3 + 48 W.			2.4	334.6 333.5
4 + 28 E.			2.2	334.8 333.9
4 + 65 W.			3.9	333.1 332.1
5 + 18 E.			6.7	330.3 329.9
F.H. 3 + 35 I			2.2	334.8 334.8
CK. B.M.	1.77	337.01		335.24

6/25/56
 SHIBEY
 KEMP
 VANDERFAKIS
 SMITH

R.M. SEFH 52ND f REX

CO 2	"3864" 52 ND
CI 2	"3844" 52 ND
CO 3	"5205" REX
CI 1	"3828" 52 ND
CO 8	"3827" "
CI 0	"3814" "
CO 9	"3804"
CO 9	"3804" WIGHTMAN
CO 9	5150 WIGHTMAN
CI 2	"3809" LANDIS
CI 1	"5205" WIGHTMAN
CI 1	"3744" LANDIS
CO 9	"3741" "
CI 0	"3728" "
CO 4	"3731" "
CO 9	
R.M. SEFH 52 ND f REX	

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 Alice

145.71
 26.
 171.71
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