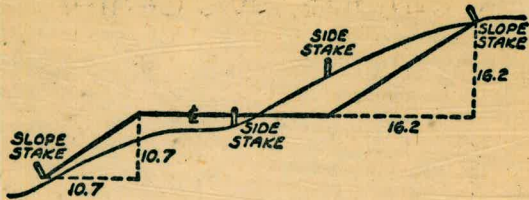


W

878

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

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.

Handwritten calculations and notes on the right page of the notebook:

- Top right: 4142 over 5 equals 20710
- Middle left: 7.12 over 6.52 over 60
- Middle right: 328.33 over 164.17 over 3
- Bottom right: 9.25 over 35 over 80 equals 107.0626
- Other numbers: 22 , 24.80 , 12 , 1400 , 14.25 , 22 , 22 , 373.05 , 25 , 35 , 4.95 , 8.95

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	2.12	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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 OK E of 44th ✓
 Alley BIK 55 N of Palk ✓ 10-12
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Alley Blk 9, Nor of Meade, E of 42nd 6" Water 44
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6" A.C. MAIN ✓
Hortensia at San Diego Ave, 12" MAIN ON CITY PROP. 48 ✓
Geneva Ave, Euclid to Winston, Prelim 49-52 ✓
Alice ✓

Alley BIK 39 City Hts
 N of Univ & E of 39th
 Proposed PL

7+21 North Line Polk

0+80 North Line University

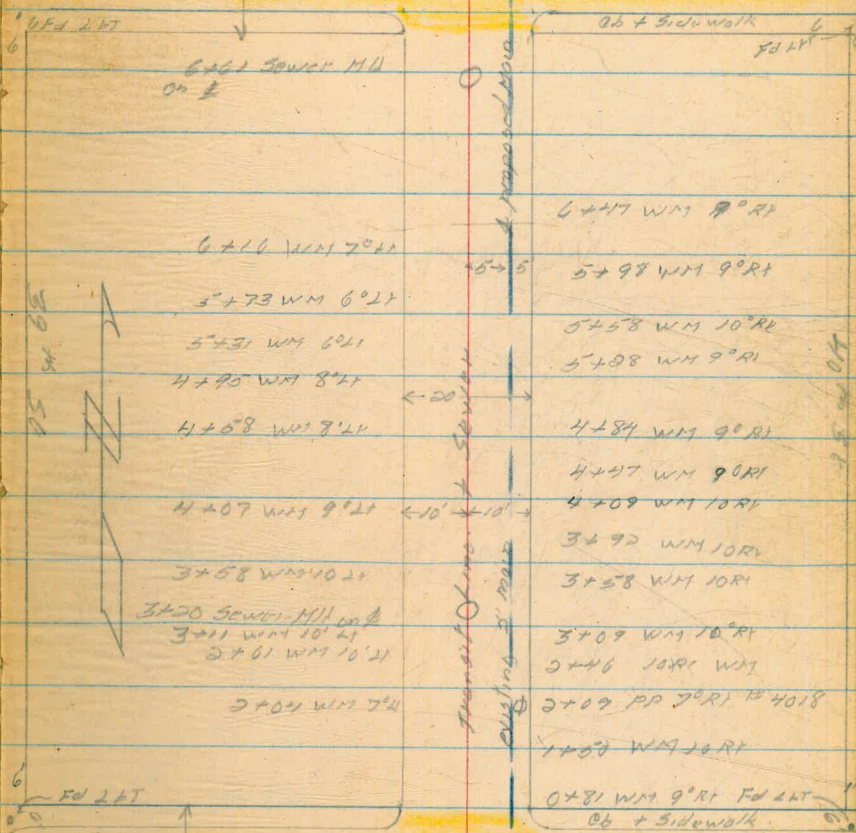
0+00 South Line University

West
 Williams
 Varonobus
 Kemp

Transit Line on E of Alley

Polk

5' AC Pavc



University

AC Pavc

0+65 Tel Cond Xing

80

Profile Alley BIK 39

(2)

686	354.16	347.30
0+00	5.9	348.30
0+50	5.3	348.9
+66	6.0	348.2
+80	5.6	348.6
1+00	5.3	348.9
+50	4.9	349.3
2+00	4.4	349.76
+50	3.1	351.1
3+00	1.7	352.46

+20	8.66	361.69	1.13	353.03
+50			7.8	353.9
4+00			6.6	355.1
+50			5.8	355.9
5+00			5.1	356.6
+50			4.4	357.3
6+00			3.5	358.2
+50			2.2	359.5
6+61			2.28	

551.76
To Flow line

NW 132 39th + University

548.7	348.2	348.8
5.5	Butter line	5.4
10.1	4.2	10.1
5.3	4.0	5.6
10.1	3.9	10.1
5.2	3.8	4.8
10.1	3.8	10.1
4.1	3.5	4.4
10.1	3.4	10.1
2.9	3.1	3.0
10.1	2.6	10.1
1.6	2.6	1.6
10.1		10.1

16.80 To Flow line Sewer Turn of Southern

2.6	354.1	2.4
10.1	354.4	10.1
6.3	355.1	6.5
10.1	355.1	10.1
5.6	356.2	5.7
10.1	356.8	10.1
4.9	357.7	5.0
10.1	357.7	10.1
4.0	357.7	4.3
10.1	358.6	10.1
3.1	358.6	3.5
10.1	359.6	10.1
2.1	359.6	2.2
10.1	359.6	10.1

East River Sewer Mill

361.69

6+81 3.15 358.5

+88 3.23 358.4

7+00 2.87 358.8

F14 2.92 358.8

+21 2.61 359.1

2.31 359.38

2.50 354.15 10.04 351.65

6.83 347.32 = 347.30

~~258.87~~
2.32
10.21

~~278.82~~
2.80

10 RL edge Oil Polk

Center Line

~~246~~
10.11

~~244~~
10.11 North edge oil Polk

TBM

Lead Plug NW Ob net alley

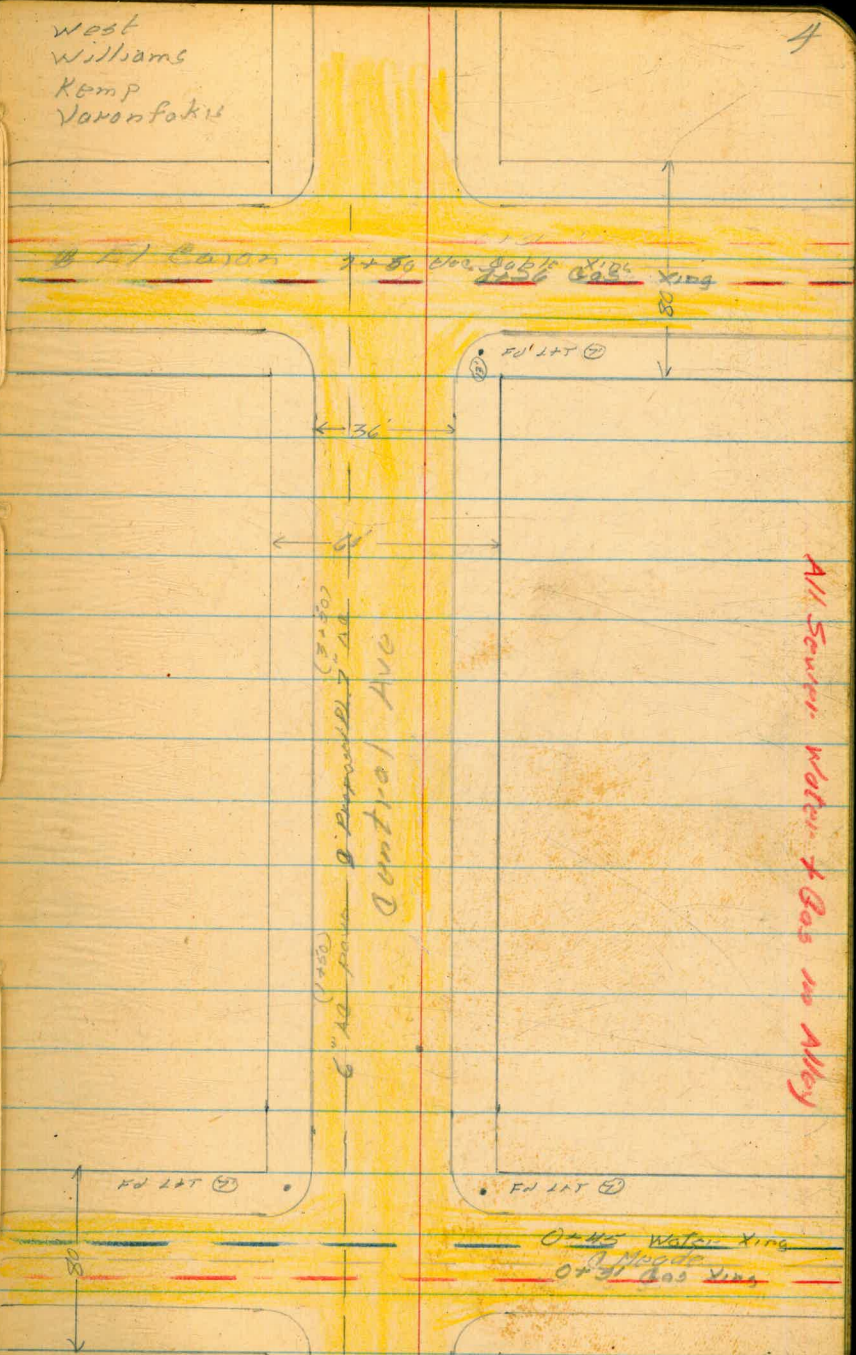
Proposed Pl. Central Ave
Meade to El Cajon

West
Williams
Kemp
Varonakis

4

6+93³⁰

North Line El Cajon



All Sewer, Water, & Gas in Alley

0+00

North Prop Line Meade

Central Ave
Meade to El Cajon

5

	339	37209	368.70
North Prop Lane Meade			
0+00		3.80	368.3
+50		4.28	367.8
1+00		4.50	367.6
+50		4.78	367.3
2+00		5.01	367.1
+50		5.27	366.8
3+00		5.52	366.6
+50		5.73	366.4

	460	37079	5.90	366.19
4+00		4.60		366.2
+50		4.90		365.9
5+00		5.03		365.8
+50		5.23		365.7
6+00		5.43		365.4
+50		5.48		365.3
7+00		6.03		364.8
+13		6.10		364.7
+46 ⁺		5.84		365.3
		6.48		

BM BP NW Cor. Central & Meade
Gutter 7524 28.5 RT Gutter

5.00	4.52
7524	28.5 RT
5.37	4.77
7524	28.5 RT
5.37	5.05
7524	28.5 RT
5.71	5.29
7524	28.5 RT
5.84	5.51
7524	28.5 RT
6.11	5.82
7524	28.5 RT

4.96	4.70
7524	28.5 RT
5.23	4.98
7524	28.5 RT
5.42	5.32
7524	28.5 RT
5.71	5.54
7524	28.5 RT
5.80	5.76
7524	28.5 RT
5.96	5.89
7524	28.5 RT
6.10	6.11
7524	28.5 RT

Gutter from south side El Cajon
& El Cajon
South side El Cajon

370.79

5.10 372.68

3.21 367.58

3.97 368.71 = 368.70

Alley BIK 19 N of Madison
E of 40th

West
Williams
Kemp
Varonakis
Lot 244

10-16-57 7

Transit Line 10' West
of East Prop Line

4+50 See note

4+50 North prop line
of last house on
west side of Alley
4+50 WM 13° 21'

3+78 WM 13° 21'

3+39 WM 15° 21'

2+54 104' WM
2+50 104' WM

1+83 104' WM

1+26 WM 11° 21'
1+00 Gas 9° 21'

Ed 341P Lot 8
6+50 WM 9° 21'
Lot 9

← 10' →
6+51 WM 9° 21'
5+75 WM 8° 21'
5+07 WM 10° 21'

← 25' →
4+75 Gas Xing
4+07 WM 9° 21'

4+31 8° 21' WM

4+30 Gas Xing

← 31' 21' →
4+00 8° 21' RP, No Nut

3+76 Gas Xing

3+75 WM 9° 21'

3+34 Wat Main 8° 21'

3+24 Gas Xing

3+20 Gas Xing

2+75 WM 8° 21'

5+33 9° 21' WM

5+14 Gas Xing

5+00 5° 21' To Water Main

1+87 9° 21' WM

1+85 Gas Xing

← 10' →
1+30 Gas Xing

1+50 9° 21' To Water Main

1+07 8° 21' WM

7" 10' Pavc 1+00

Ed 1+1

Ed 1+1

0+50 South 15° 21'

Madison

0+50 Water Main
30' RT

0+00

South prop line Madison

← 4" AC Pavc →

1.08 372.07 370.99

8.70 368.38 12.39 359.68

5.36 371.65 2.09 366.29

4.19 367.46

Madison
0+00 South pr. 3.4 368.2

+50 4.0 367.6

+50 4.22 +14.0 To Flow

+78 4.74 366.9

1+00 4.3 367.3

+50 4.9 366.7

+55 Begin One Driveway 4.95 11° RT 366.7

+96 End " " 5.42 11° RT 366.2

2+00 5.9 365.7

+50 6.7 364.9

3+00 7.3 364.3

+50 7.6 364.0

169 367.71 5.63 366.02

4+00 4.0 363.7

+50 4.4 363.3

4+67

SE BP Adams Ave + 39th 1052-71

2+T 10' RT 0+94 on 36

2 Top South min Sewer 114 12 RT

368.2	367.1	367.5
3.5	4.0	4.0
12.1	10.1	10 RT 367.3
3.2	4.9	4.4
12.1	6.0	10 RT

366.7	365.8
5.0	5.9
13.1	9.1

6.4	364.7
13.1	
7.0	364.1
13.1	
7.6	364.1
13.1	

Turn on wood pipe trailing

4.1	363.5
14.1	
4.7	363.0
14.1	
4.2	363.3
16 RT	
4.14	363.57
16 RT	
4.19	
16 RT	

end core drive

367.71

5200	4.6	363.1
+50	4.7	363.0
6+00	4.4	363.3
+50	0.8	360.9

363.2

<u>4.0</u>
14.24
<u>4.9</u>
14.11
<u>4.5</u>
14.11
<u>0.2</u>
14.04

363.4

<u>4.3</u>
10.84
<u>4.4</u>
10.81
<u>4.6</u>
10.14
<u>8.6</u>
21.81

9.30 372.31 4.70 363.01

1.24 371.07 = 370.99

21.81 Cano Walk

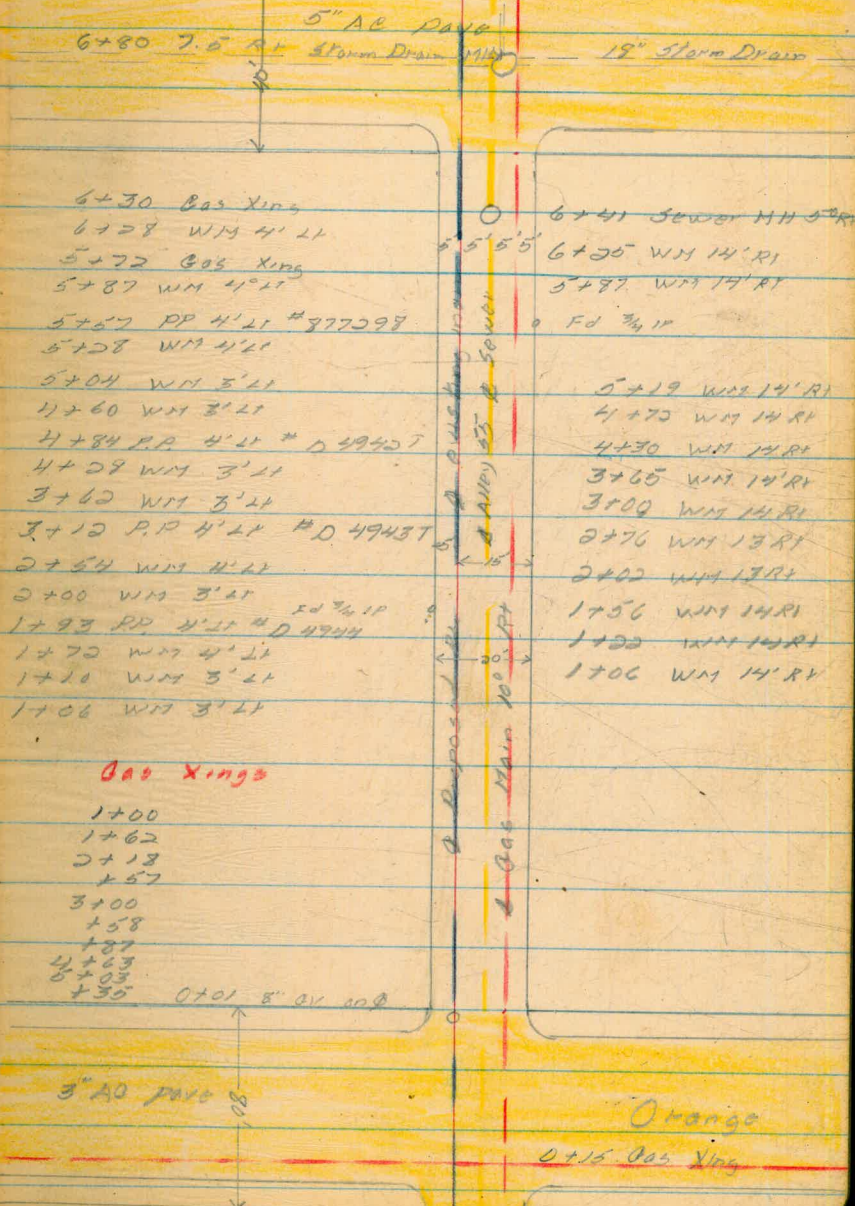
Alley Bk 55
E of 44th N of Polk

7+00 ± South prop line Polk

0+80 South prop line Orange

0+00 N prop line Orange

10



Profile Alley Blk 55

	3.26	361.25	358.49
0+00		5.42	356.3
+20		5.96	355.8
+50		5.45	356.3
+65		6.02	355.7
+100		4.6	357.2
+50		4.9	356.9
2+00		5.6	356.2
+50		6.2	355.6
3+00		5.4	356.4
+50		5.5	356.3
4+00		5.7	356.1
	4.71	360.95	5.57 356.24
4+50		4.8	356.2
5+00		5.0	356.0
+50		5.2	355.8
6+00		5.5	355.5
+41		0.38	+ 6.0 To Floor level
+50		7.0	353.95

West
Williams
Varonakis
Kemp

10-20-53

11

NW BP 44th + Orange

N prop line Orange

Gutter N Orange

FL. Elev. 348.57

Top East rim Sewer MH

360.95

6+57 7.3 353.7

262 7.50 353.4

+75 7.57 +9.2 To Flow

+92 7.84 353.1

+97 7.60 353.4

7+00 7.4 353.4

5.20 361.78 4.37 356.58

3.27 358.51 = 358.51

90
76
16

12

N edge paving pit

Gutter

Top east rim Storm Drain

Gutter South Side

South edge paving

F.L. = 344.18

line

A Pit

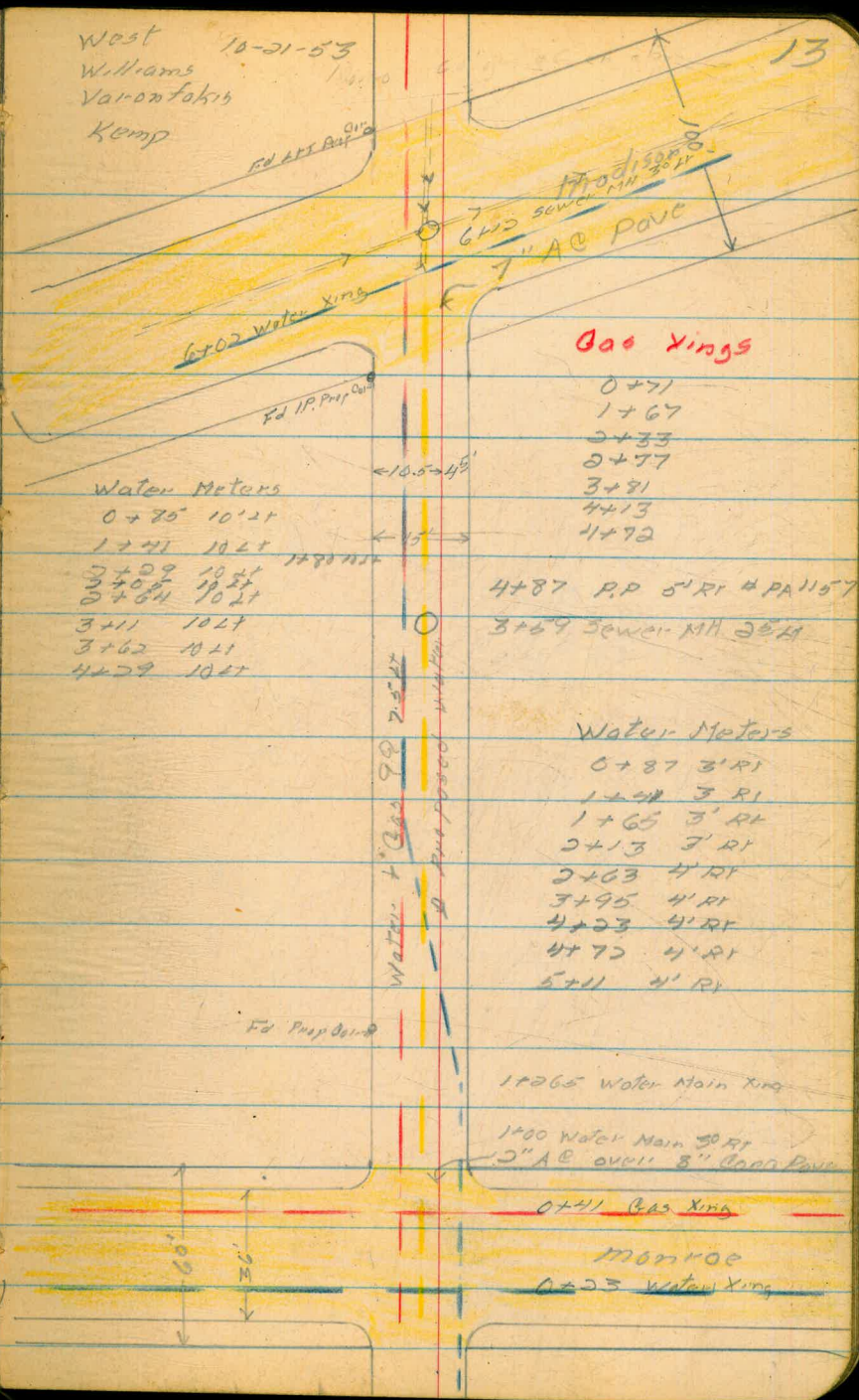
Alley Bk J N of Monroe
E of 39th

Transit line 3' East of Alley

6+70 ± or
Curve North prop line Madison

West 10-21-53
Williams
Varonakis
Kemp

13



6.17373.63 367.46

117 on Ob TBM 500 page 8

4.75 377.20 1.18 372.45

Turn on sewer MH

0+00 6.1 371.10

SOUTH map line Monroe

+10 6.43 370.8 370.77 ✓

Tap Ob

+10+ 6.94 370.3

Butter

+48 7.23 370.0

Butter North side

+55 7.1 370.05 370.1

370.2
7.0
101R
5.9 371.3
12L

370.2
6.9
4RT 371.5
5.7
6RT

edge pave

+59 7.15 371.4

1+00 5.8 371.8

1+10 5.02 372.18

end cone walk 43R

+33 5.20 371.98

Begin cone driveway 40R

+60 5.10 372.04

end cone driveway 372.07
5.4 371.8
110L
5.13
40R

+50 5.3 371.9

+66 5.78 371.42

begin cone driveway 110L

+75 5.77 371.43

end " " " "

+89 5.47 371.73

begin cone driveway 110L

+98 5.30 371.90

end cone " "

2+00 4.7 372.5

5.13 372.1
10L
4.6 372.6
50R

+12 4.47 372.73

begin cone driveway 120L

+25 4.39 372.81

end " " "

	377.20	
2+50	4.1	373.1
287	4.14	373.06
3+00	4.0	373.2
432	4.33	372.87
441	4.58	372.62
486	4.47	372.73
3+59	1.10	373.25
3+50	0.8	372.8
4+00	1.9	371.7
450	2.6	371.0
5+00	2.8	370.8
450	4.5	369.1
456	4.40	369.15
485	5.09	368.46
6+00	4.98	368.6
412	5.05	113.5 To Flow
443	6.73	367.8
450	6.55	368.0
470	6.00	368.6
	6.07	367.48 = 367.46

	372.5	
	4.7	372.9
	4.3	373.2
	3.9	373.3
	4.0	371.1
	2.7	370.9
	4.0	371.49
	4.2	371.7
	4.3	370.8
	4.3	371.3
	2.8	370.8
	2.9	370.7
	10.21	370.7
	4.39	369.16
	10.21	369.16
	0.82	372.23
	10.11	372.23
	2.3	371.3
	2.1	371.5
	2.5	371.1
	2.7	370.9
	4.0	369.6
	4.2	369.6
	2.06	371.49
	4.2	369.6

begin cone Driveway N° 27
end " " " " " "

49.1 To Flow North rim sewer NH 3° L

South edge oil Madison
South gutter line

Top sewer NH West Rim 3° L

Gutter North Side

North prop line + Madison

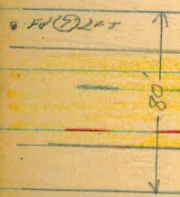
Alley BIK 2
N of El Cajon E of Van Dyke



6187 Van D

Water Meters
 2+12 60RT
 2+53 40RT
 3+06 50RT
 3+41 80RT
 3+97 20RT
 4+74 20RT
 5+09 3RT
 5+60 2RT
 5+88 3RT
 6+09 25RT

Gas Xings
 1+13
 2+01
 2+46
 3+95
 3+07
 4+11
 4+67 5761
 5+05



El Cajon

Water Meters
 0+94 80RT
 1+48 10RT
 2+24 10RT
 2+57 9RT
 2+81 9RT
 3+67 10RT
 4+05 10RT
 5+05 80RT
 5+98 90RT
 6+73 90RT
 3+30 111 30RT

1200 Gas Main 70RT

0730 6" AC

Fd 02RT

0744 Water main
 Meade
 7470 Gas Xing

0700

N prop Line Meade

B.M. IN error 11.61 ft.
Level Notes off This Amount

See F.B. 1652-Pg 71

17

	367.09	363.644
3.45	355.48	352.83
	355.86	354.82
1.04	344.25	343.21
0+00	4.1	340.2 351.76
0+15	4.43	337.52 351.43
0+15.1	4.94	339.31 350.92
0+35	4.49	339.76 351.37
0+40	4.35	339.90 351.51
0+50	4.61	339.64 351.25
0+66	5.25	339.00 350.61
0+80	5.1	339.2 350.76
1+00	5.4	338.9 350.46
1+50	5.4	338.9 350.46
1+90	6.78	337.47 349.08
2+07	6.88	337.37 348.98
2+00	6.6	337.7 349.26
+50	6.1	338.2 349.76
3+00	5.5	338.8 350.36
+30	3.70	340.35 +5.4 To Flow
+50	2.0	342.3 353.86

LT RT
SWAB Van Dyke & El Cajon

1' RT M.H. WEST SIDE
3' RT M.H. EAST SIDE

GUTTER
5.1
4.5 LT
5.6
4.0 LT
4.2
4.5 LT
5.3
4.0
8 RT
5.7
5.7
8 RT
10.5 RT
10.5 RT
10.5 RT
5.3
0.3
10.5 RT

Begin Goro Slab 60 LT

and "

6.7 337.6
4.5 LT
6.4 337.7
4.0 LT
6.9 338.9
8.0 LT
4.0 LT
6.1
10.5 RT
5.7 338.6
10.5 RT
5.6
10.5 RT
Top cast edge Sewer 1/2" M.H. 1/2" 30 RT
1.6
5 RT 10 RT

	355.86		
	344.35		
9.02	365.37	0.11	355.75
	357.96		344.74
4+00		8.9	356.47
			344.9
+37		7.21	358.16
			346.6
4+00		7.2	358.17
			346.6
5+00		5.7	359.67
			348.1
+36		3.98	361.39
			349.78
5+50		4.2	361.17
			349.6
6+00		2.9	362.47
			350.9
+50		2.3	363.07
			351.5
+86		3.32	362.05
			350.44
7+00		3.44	361.93
			350.32
+13		3.78	361.59
			349.98
6.73	368.81	3.29	362.08
	357.20		350.77
		5.15	363.66
			357.96

363.644

343.4 345.0 345.3

10.4 8.8 8.5

8.0 RT 5.0 RT 10 RT

8.0 RT 344.6 346.5 (4' wide)

9.2 344.6 346.5 Long Walk 9.4 RT

6.0 RT 344.6 346.5 6.65 347.08

6.1 347.7 9.5 RT 9.5 RT on conc walk

4.0 RT 9.0 RT 5.3 346.5 4.5 on conc walk

9.0 RT 9.2 RT

End long walk

1.5 349.3 3.9 349.9

6.0 RT 7.1 RT 3.0 350.6

2.6 351.2 2.8 351.0

4.0 RT 351.6 11.6 RT

2.2 351.6 1.7 352.1

7.0 RT 351.6 10.5 351.18

3.48 350.28 2.58 351.18

4.5 RT 10.6 RT N PIP line

5.1 RT 10.6 RT 5.1 cover

5.1 RT 10.6 RT 5.1 RT

Center

Alley BIK I
 North of El Cajon
 East of 43rd
 Sewer 1² RT of 2 Pl
 Pipe line 4 1/2 ft of D
 Alley



0+00

North prop line Meade

El Cajon

Gate Valve 6+90

Water Meters

- 1+54 2" LT
- 1+58 2" LT
- 1+90 2" LT
- 2+95 5" LT
- 3+11 5" LT
- 3+33 5" LT
- 3+81 5" LT
- 4+40 5" LT
- 5+30 2" LT
- 5+40 1.5" LT
- 6+10 2" LT
- 6+70 1" LT

Gas Xings

- 1+53
- 1+78
- 2+03
- 3+02
- 3+13
- 3+33
- 3+93
- 4+60
- 5+10
- 5+40
- 6+06

1" x 1" Pipe

0+35 Sewer MH



Water Meters

- 1+14 11" RT
- 1+78 11" RT
- 2+15 11" RT
- 3+40 11" RT
- 3+13 11" RT
- 3+66 11" RT
- 4+08 11" RT
- 4+48 11" RT
- 5+22 11" RT
- 5+62 11" RT

1+50 Gas 7" RT

0+48 Water Xing

Meade
 0+30 Gas Xing

Proposed 12" Sewer

Dine Alley

BM IN ERROR 11.61'
Level Notes off This Amount

	3.46	343.36	339.90	351.51
0+00		5.6	337.8	349.4
		6.31	337.1	348.7
		6.89	336.5	348.1
0+35		6.07	333.54	345.15
+41		6.04	333.52	345.13
+65		6.46	336.9	349.5
1+00		7.5	339.9	351.5
+50		2.6	340.8	352.4
2+00		2.5	340.9	352.5
+50		2.9	340.5	352.1
3+00		2.9	339.5	351.1
+50		5.1	338.3	349.9
+79	7.67	345.75	338.58	349.69
+91		7.95	338.32	
4+00		8.3	337.45	349.1
+50		8.7	337.1	348.7
5+00		8.7	337.1	348.7
+50		8.0	337.8	349.4

West
 Williams
 Varanfokis
 Kcamp

10-22-53

20

Alley Bldg Sec P17
 JBM East rim sewer MH 0+40
 Top of
 Bolt of
 Top South rim sewer MH 1.0' RL
 Top " " " MH 6.0' RL
 Gutter line South Side
 Top East rim sewer MH 1.5' RL
 Top East rim sewer MH 5' RL

357.36

~~345.25~~

6+00

6.9

~~338.9~~ 350.5

150

9.3

~~340.5~~ 352.1

7+00

5.4

~~340.4~~ 352.0

113

5.69

~~370.66~~ 351.67

366.22

12.84

~~353.61~~

3.98

~~371.77~~ 353.38

~~357.93~~ = 352.03

363.64 = 363.64

334.41 +

Flow line 12" square @ El Cajon

SW Cor Fairmont

El Cajon 350.03

Gutter line South Side

El Cajon

Alley BIK 15
N of Polk E of Central

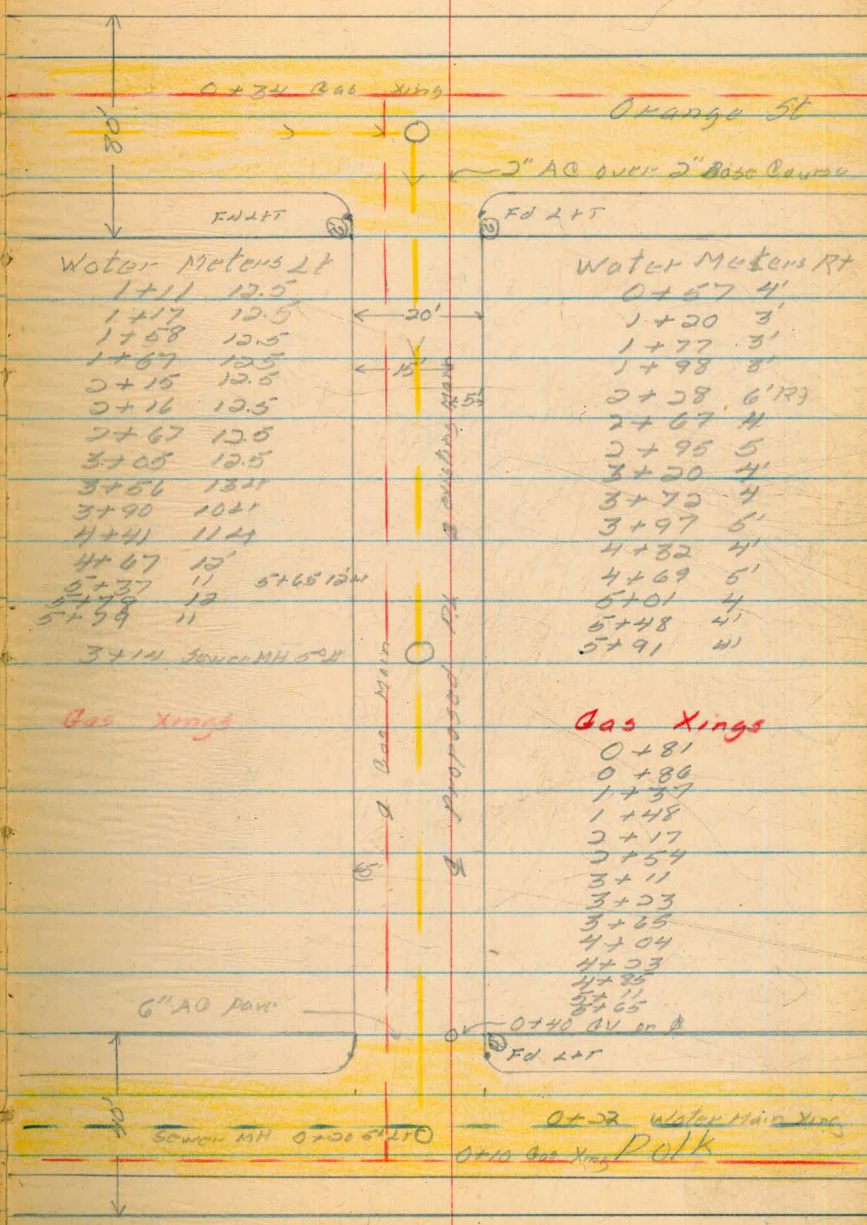
6+94 91 North Line Orange

0+00 South Prop Line Polk

West
Williams
Varonakis
Komp

10-23-53

22



Alley BIK 15
 Profile

	3.60	362.99	359.38
		4.24	358.74
	197	361.56	359.59
0+00		5.0	356.6
+00		5.11	356.5
+00 ²		5.61	356.0
+33		5.3	356.3
+40		5.1	356.5
+50		4.4	357.2
1+00		3.2	358.4
+50		2.5	359.1
2+00		2.1	359.5
+50		1.6	360.0
3+00		1.1	360.5
	6.98	367.41	6.13 360.43
3+14		7.77	+0.95 to flow 353.7
3+56		6.8	360.6
4+00		5.9	361.5
+50		5.3	362.1
5+00		5.1	362.3

23

TBM Lead Plug See Page 3

BP NW cor 40th + Polk

Top FH NE Cor Central + Polk

Top Ch

Sett. Ch South side polk

Butter line

end AC pave

Top east edge sewer NH 521

367.41

5+50

4.6 362.8

6+00

4.5 362.9

+50

4.34 363.1

+55

4.28 + 6.0

356.63

to Flow Line Top East edge Sewer MH 5' LT

+79

4.78 362.6

Cutler line

+79.2

4.81 363.1

Top of

+94.91

4.75 363.3

N. prop line Orange

1.97 361.61 2.77 359.64

3.27 362.85 2.03 359.58

3.47 359.38 = 359.38

Whittier St
Catalina to San Clemente

5+66 ⁷²

West prop line San Clemente St

5+00 POT

2+00 POT

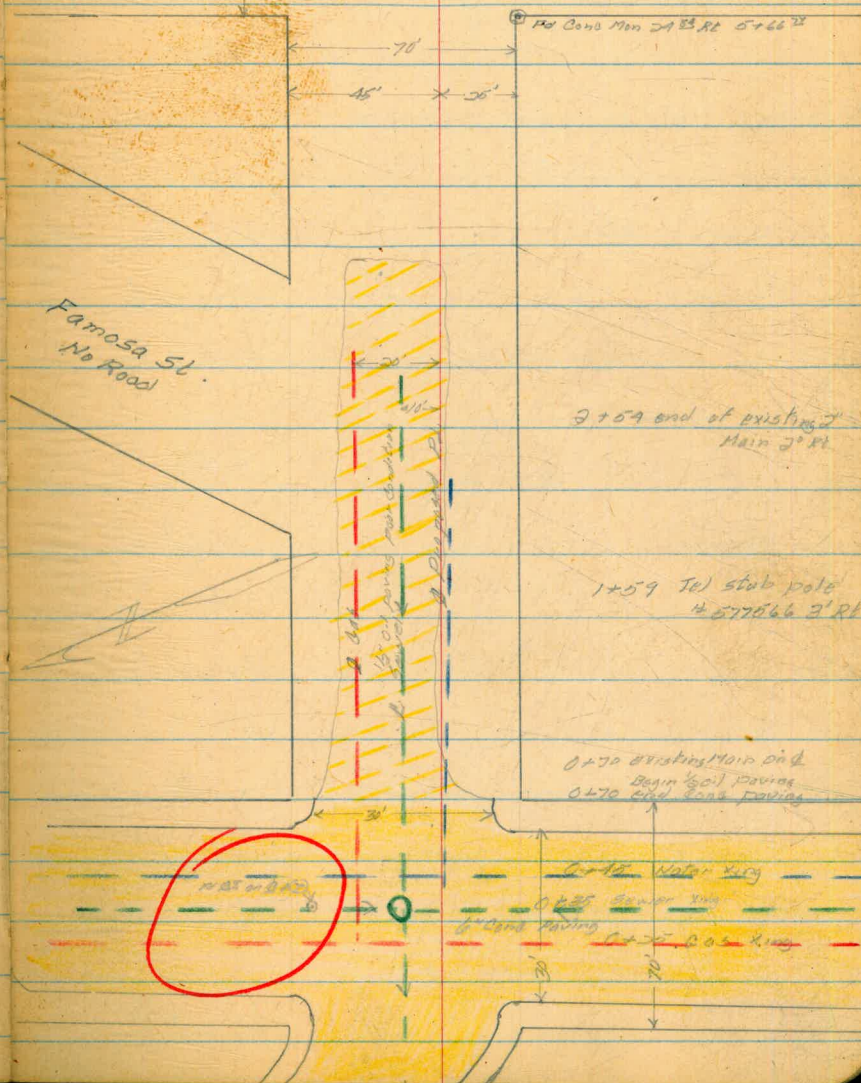
0+35 POT

0+00 West prop line Catalina

West
Kellhofer
Alexander

25

San Clemente
(No Road)



Profile
Whittier Catalina to San Clemente

West
Kellhofet
Alexander
dev

65.18
- 4.61
56.63

26

6.15
1.03
6.10

5/29/64

73.339 Use This

	73.42		
0.09	77.71		73.62 ?
	62.62 ✓		61.98 ✓
0.64	62.94	11.44	52.27
	53.58 ✓		49.65 ✓
3.93	53.87	12.97	49.94

BM SW Top FH Voltaire + San Clemente

0+00		10.26	43.32 ✓
+35		9.01	44.57 ✓
+50		8.20	45.38 ✓
+70		6.69	46.89 ✓
1+00		4.9	48.68 ✓
	11.89	0.58	53.00 ✓
	64.89 ✓		53.39
+50		10.7	54.19 ✓
2+00		7.4	57.49 ✓
+50		6.6	58.29 ✓
3+00		5.7	59.19 ✓
+50		4.5	60.39 ✓
4+00		1.2	63.69 ✓
+50		1.2	63.69 ✓
	3.89	1.81	63.08 ✓
	66.97 ✓		63.37
5+00		4.6	62.37 ✓

GFW

West prop line Catalina sv

Top south rim sewer MW 16" dia

east edge curb paving

2.0
3' RT edge oil

4.0
5' RT

4.0
10' RT

11.0
12' RT edge oil

9.4
12' RT

edge oil on p

6.4
10' RT

6.5
5' RT edge oil

end of oil pave

1.1
7' RT

0.7
10' RT

GFW

Whittier St Cont

66.97
~~67.26~~

5+50

10.9

56.07 ↓

5+66⁸

75.591

13.6

53.37 ↓

10.28

~~75.88~~

1.66

65.31 ↓
~~69.60~~

2.28

~~72.60~~

73.31 ↓

~~72.62~~

73.33

CFW

27

Longbranch Abbott to Spray St
 Spray St Longbranch to
 West Point Loma

28

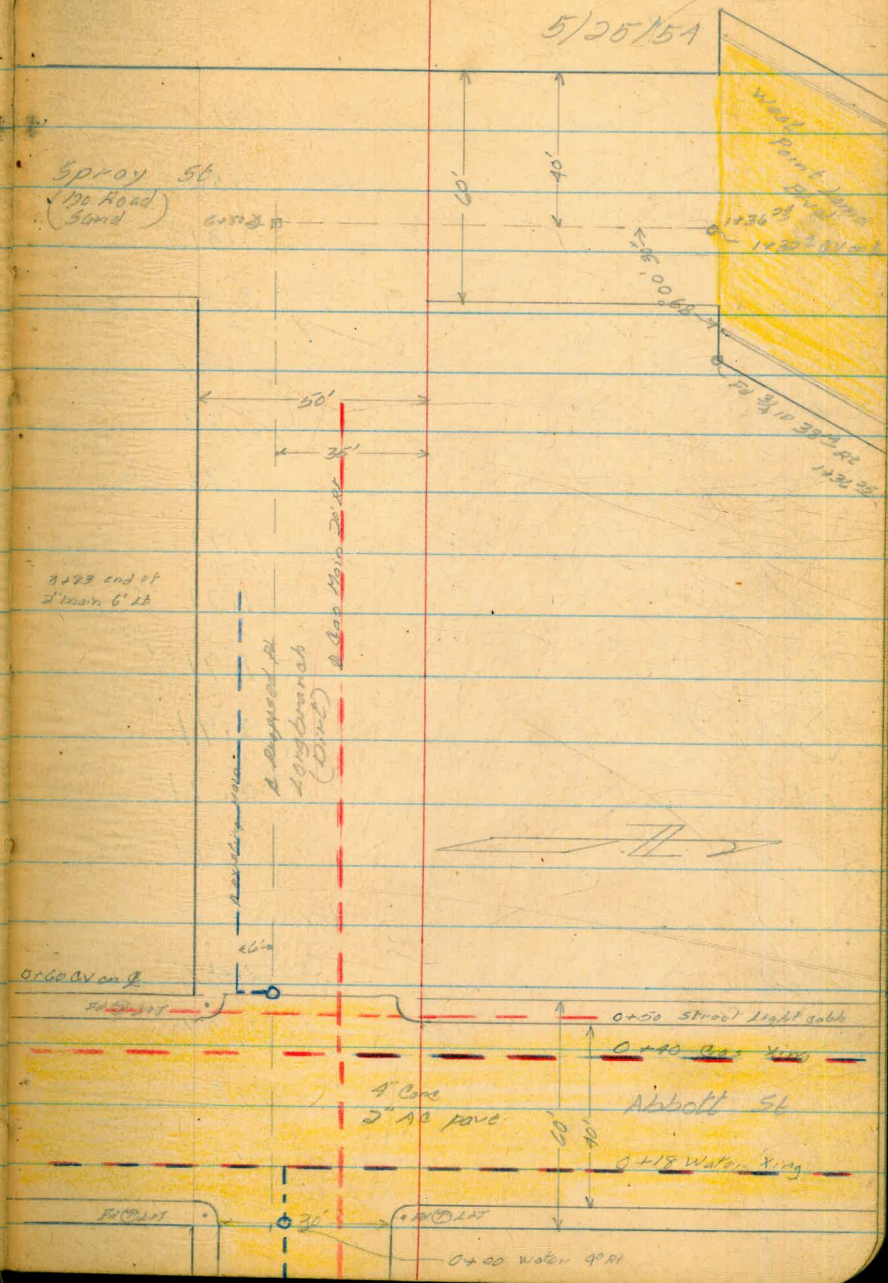
1+36²⁵ end of West Pt Loma Blvd

0+00 East prop line Longbranch

4+70 90° 00' 00" RT 12x2 Hub

5+00 PDI spike

0+00 East prop line Abbott St



Longbranch St Abbott to Spray
 Spray St Longbranch to W Point Loma
 Profile

West
 Kellhofer
 Alexander

29
 5/25/54

	4.20	7.51	3.31
0+00			
+10			4.01 3.50 ✓
+30			4.20 3.31 ✓
+50			3.71 3.80 ✓
+59			4.57 2.94 ✓
+100			4.42 3.09 ✓
+150			5.6 1.91 ✓
+200			5.8 1.71 ✓
+250			5.8 1.71 ✓
+300			5.6 1.91 ✓
+350			5.1 2.41 ✓
+400			4.6 2.91 ✓
+450			4.4 3.11 ✓
+500			4.7 2.81 ✓
+550			5.1 2.41 ✓
+600			4.5 3.01 ✓
+625			5.9 1.61 ✓
+650			6.7 0.81 ✓
+6700			8.1 - 0.59 ✓

BM NE BP Longbranch + Abbott

East prop line Abbott

Center Line

Street

Center

end AD pave

35	35	27
20.11	40.11	60.22
30		
50.11		

begin Sand

Longbranch Cont:

30

5/25/54

751

6+20		8.4	-1.89	✓
6+80	7.21	6.53 [✓]	8.19	-0.68 ✓✓
Spray SP Longbranch to				
0+00		7.2	-0.67	✓
+50		7.4	-0.87	✓
+68		6.4	0.13	✓
1+00		4.7	1.83	✓
+32 ⁵		5.13	1.40	✓
+36 ²⁵		4.92	1.71	✓
	3.70	6.68 [↓]	3.65	2.88 ✓
		3.27	3.31	✓ =

West Pt Loma

South prop line Longbranch

end of sand

edge AC paving Top G.V. Cover

3.31

Castellar St

Soto to Etowanda

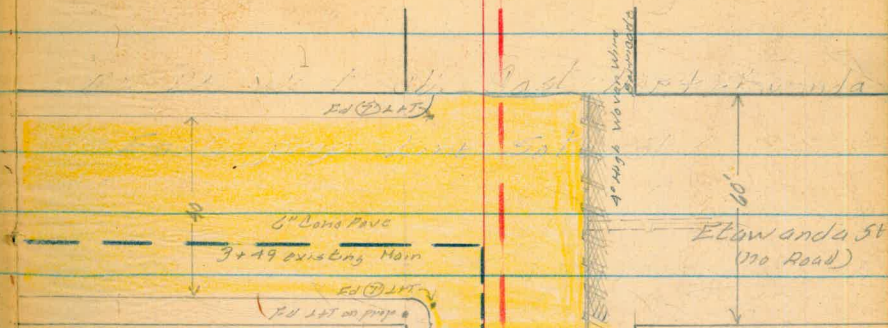
West
Kallhoter
Alexander

32 30 - 31

5/26/59

3+89⁹⁰

West prop line Etowanda St



3+36⁹⁰

38
15
5

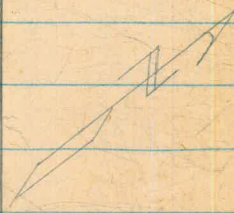
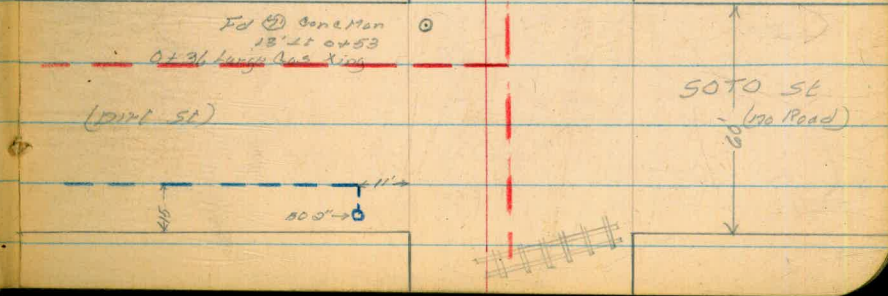
0+53 POT

Ed (B) Gene Man
15' at 0+53
0+36 large box King

(Dirt St)

0+00

East prop line Soto



Castellar st

32

1.77	35.95	33.68	BM BR. West Ob Castellar + Etawanda
0+00	37	31.95	East prop line 50 to
+50	40	31.45	
1+00	45	30.95	
+50	48	30.65	
2+00	48	30.65	
+50	42	31.25	
3+00	37	31.75	
+30	315	32.30	edge cone pava
+50	351	31.94	
+89 ¹⁰	299	32.46	NW edge cone paving
	176	33.69 =	33.68

Alcott St Clove N^{ly}

Wast
Kellhofer
Alexander

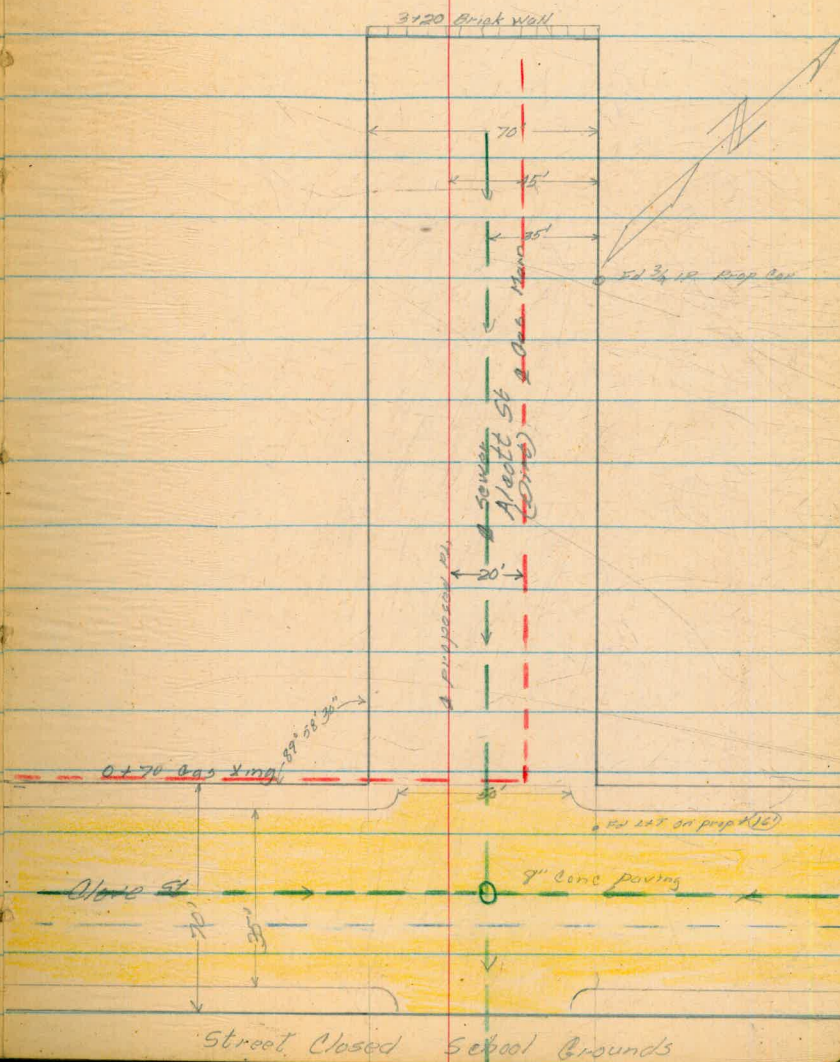
33

5/20/64

3x 20 ±

end of street

street closed



0+00

East prop line Clove St

Street Closed School Grounds

Alcott 56

Clave N2

34

5/26/54

2.38 163.88 161.50

BP North of app FH Chattisworth + Tala

0.97 153.86 10.99 152.89

9.87 159.05 4.68 149.18

Turn on L+T on prop line NW cor Alcott

0+00 124 146.7

East prop line Clave St

+35 10.99 148.4

Top South run SENEV. MH 20' RT

+50 11.19 147.9

+69 11.05 148.0

edge zone parking

1+00 9.6 149.5

+50 8.7 150.4

2+00 5.8 153.2

+50 1.1 158.0

3.88 162.93 0.00 159.05

3+00 2.0 160.9

+20 1.2 161.7

10.08 163.92 9.09 153.84

2.38 161.54 = 161.50

UDAL

Udall St

Warrington^{st.} to Worden St.

West
Kellhofer
Alexander

35

5/27/54

3+99 ⁸³

West prop line Worden

Worden

Dirt Road

3+19 ⁸³ POT

3+19 end of existing pipe?

note Gas main
search to be on
proposed pt.

It is
Rocky
point

UDAL
Udall St
sewer pipe

0+50 POT

Ed. Road Plan 2011 0220

0+33 Gas Xing

Warrington St
(Dirt Road)

0+15 Water Xing

0+00

East prop line Warrington

UDAL
Hdalt 56

76.12
108
7720

Profile

62
59
33

62
33
29 62

36

5/27/54

76.12

73.33? use this elev
73.62?

2.79 76.41

BM Top FN SW cor San Clemente + Valtaire

10.42 81.34 5.49 70.92

10.12 88.97 2.79 78.85

1.15 89.04 1.08 87.89

Turn at cone man 25' Lt 0+50

0+00 1.95 87.1
+ 10.0 74.0

East prop line Warrington St

+ 25 1.52

Top South Kim Street MH

+ 50 2.7 86.3

1+00 4.3 84.7

+ 50 5.6 83.4

2+00 6.9 82.1

+ 50 8.0 81.4

3+00 9.2 79.8

+ 50 10.1 78.9

11.9 10.2
10.1 9.1

2.73 81.88 9.89 79.15

+ 75 3.2 78.7

7.9 5.2 3.9
10.1 5.4 3.1

2.8 3.1 78.8
4.1 5.8

3+99.83 8.9 73.0

11.8 11.8
7 10.1 5.5
Bit of wash

3.7 78.2 3.2 78.7
11.1 13.1

1.79 75.71 7.96 73.92

2.11 73.60 = 73.62

Dudley St
Silvergate to Catalina

10+06 ²⁶

West prop line Catalina

9+25 ²¹ POT

3+60 ⁰⁸ POT

0+30 POT

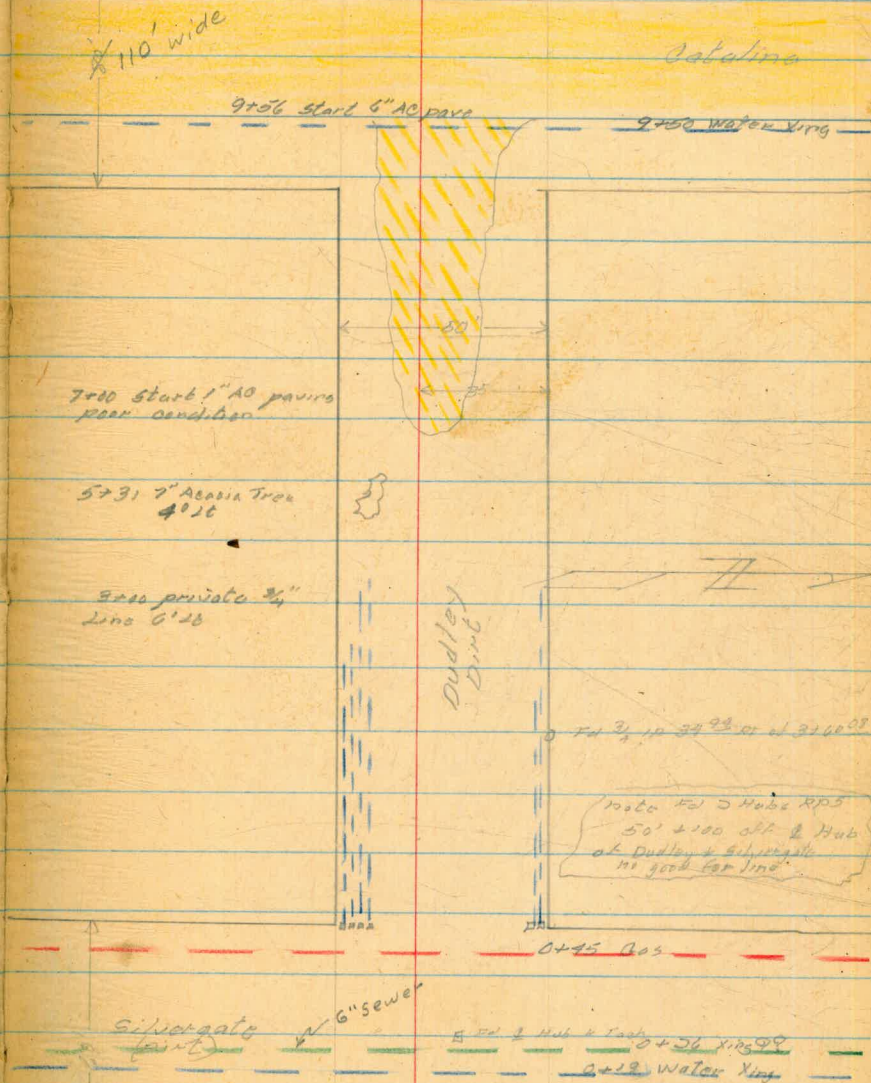
0+00

East prop line Silvergate

West
Kellhofer
Alexander

37

5/27/59



Dudley Silvergate to Catalina

Q Profile

	10.85	303.37		292.52
0+00			9.1	294.3
0+21			8.4	295.0
1+11'			9.0	294.4
+50			7.0	296.4
1+00			3.4	300.0
+50	9.45	312.78	0.04	303.33
2+00			7.1	305.7
+50			5.9	307.4
3+00			4.7	308.1
+50			5.7	307.1
4+00			7.2	305.6
+50			9.4	303.4
5+00			11.9	300.9
	0.59	300.48	12.89	299.89
+50			2.1	298.4
6+00			4.7	295.8
+50			8.0	292.5
7+00	0.16	289.14	11.50	288.98

West
Kellhater
Alexander

38

5/27/54

Adjusted elev from FB 781 page 61 FB 800 page 48
RP SE Cor Charles + Silvergate

East prop line Silvergate

Top ch

Bottom of ch

Turn on & nail

Turn on & nail

Dudley St Cord

289.14

7+50 3.6 285.5

8+00 6.7 282.4

+50 9.8 279.3

9+00 2.66 280.56 11.24 277.90

9+00 4.8 275.8

+35 8.1 272.5

+50 8.1 272.5

+86 7.9 272.7

10+00²⁶ 12.2 268.4

13.02 293.10 0.18 280.38

8.98 302.35 0.03 293.37

6.30 305.47 3.18 299.17

1.65 303.80

= 303.73 obs at End of Ob Catalina Garden Lane

West
Varonakis
Kellhofer

39

6/1/54

Warm

11'28 8+90

Turn on rail on North side stub pole

See FB. 781 page 57

ALLEY BLK 1.
 No. of EL CAJON, E of 43rd ST.
 STR. 5 & GRD. 5 for 6" WATER.

OCTOBER 18, 1952 - Ho. 1

BEATTY
 SHOREY
 MORTELL
 ALEXANDER

40.

TEM					
7D	7.44	356.37	351.51		
0+80	Existing 6" GV.		328.93		
0+85	Begin work	6.2	350.2	345.0	C52 +
1+00		4.3	352.1	346.0	C61
1+25		4.0	352.4	347.1	C53
1+50		4.0	352.4	347.9	C45
2+00		3.8	352.6	347.9	C17
2+50		4.1	352.3	347.9	C14
3+00		5.2	351.2	346.7	C45
		6.72	349.65	= 349.69	Rim Sew M.H. 3+80
3+50		6.2	350.2	345.5	C47
3+80		6.9	349.5	345.5	C45 C49
4+00		7.2	349.2	345.5	C45 C32
		6.99	349.38	= 349.43	Rim Sew M.H. 3+92
4+50		7.4	349.0	345.5	C46 C35
				344.4	
5+00		7.7	348.7	345.5	C39 C32
				344.8	
5+50		6.6	349.8	345.5	C43
				345.3	
6+00		6.0	350.4	347.0	C34
				346.0	
6+50		4.4	352.0	348.0	C40
				347.2	
6+85	End work	3.9	352.5	348.5	C40 +
TP	13.22	365.18	4.21	351.96	
6+90	Existing 6" GV.				
CK BM		1.54	363.64	= 363.64	BP SW. Cor El Cajon & Van Dyke

See pg 20 This Bk. E. Rim Sew. M.H. 0+00
 Rim of Sew. M.H. 0+00

NOTE: 3+80 & wet moved
 15' Ely. to new
 around SEW. M.H.

changed
 to 12" wet
 pipe above
 12" Sew

4/1/54
 Hill, Beatty
 Beatty

349.65
 46
 345.05

ALLEY BLK 1
(Cont. d.)

10/18/54

41.

WATER METERS

356.37

1+14 W	3.8	352.6	350.8	C18
1+53 E	4.1	352.3	352.0	C03
1+58 E	4.3	352.1	352.1	C00
1+80 W	4.4	352.0	352.2	F02
1+90 E	3.9	352.5	352.5	C00
2+15 W	4.5	351.9	352.1	F02
2+39 W	4.5	351.9	351.8	F01
2+95 E	5.0	351.4	351.1	C03
3+11 E	5.5	350.9	350.7	C02
3+12 W	5.8	350.6	350.4	C02
3+33 E	6.0	350.4	350.0	C04
3+66 W	7.9	348.5	348.8	F03
3+82 E	7.0	349.4	348.4	C10 ?
4+08 W	7.7	348.7	348.1	C08
4+40 E	7.5	348.9	348.1	C08
4+48 W	7.7	348.7	348.1	C06
5+22 W	7.7	348.7	348.7	C00
5+29 E	7.4	349.0	349.1	F01
5+39 E	7.1	349.3	349.3	C00
5+52 W	6.4	350.0	349.5	C05
6+10 E	5.4	351.0	351.3	F03
6+62 E	4.0	352.4	352.2	C02

Mets. stud 275 & 1175 LT & RT
of E of pipe. Alley Input = 145
(11061-2)

ALLEY BLK. 2
 Nor. of EL CAJON, E of VAN DYKE
 STK. 5 & GRADES FOR 6" WATER

OCT. 18, 1954
 BEATTY
 SUREY
 MARTELL
 ALEXANDER.

TP	3.85	355.36	351.51		See pg 70	E Rim Sew M.H.	0+00
0+80	Existing 6" GV 2 ³⁵ LT & proposed water						
0+85	Begin work	5.4	350.0	346.6	C34 +		47 & moved 2' LT.
1+00		5.7	349.7	346.7	C30		48 & moved 12' LT
1+30		5.9	349.5	346.2	C33		50 on &
1+50		6.1	349.3	345.9	C34		52
2+00		5.9	349.5	345.9	C36		53
2+50		5.7	349.7	345.9	C38		55
3+00		3.37	351.99	= 351.96		E Rim Sew M.H.	52
3+30		5.0	350.2	346.7	C37		49
3+50	11.76	366.14	0.98	352.1	348.1	C42	3.2 & moved 12' LT to WOW around SEW M.H.
4+00			0.98	354.38	349.1	C53	14
4+00		10.4	355.7	351.1	C46		47
4+50		8.7	357.4	353.1	C43		49
5+00		6.7	359.4	355.2	C42		43
5+50		5.1	361.0	357.2	C38		48
6+00		3.3	362.8	358.4	C44		35
6+50		2.9	363.2	358.2	C50		30
6+82	End work	3.5	362.6	358.0	C46 +		39
6+87	Existing GV 0 ⁵ LT of &						2
TP	6.85	368.97	4.02	362.12			
OK BM			5.31	363.66 = 363.64			

BP SW Cor. El Cajon & Van Dyke

ALLEY BLK 2

10/18/54

23

(Cont'd.)

Water Meters.

355.36

0+94 W	3.8	351.6	351.1	C05	
1+26 E	6.9	348.5	350.1	F16	
1+30 W	4.6	350.8	350.3	C05	No Existing Meter!
1+48 W	3.8	351.6	350.0	C16	
2+11 E	5.9	349.5	349.4	C01	
2+24 W	5.3	350.1	350.0	C01	
2+53 E	5.8	349.6	350.0	F04	
2+56 W	5.0	350.4	350.4	C02	
2+81 W	5.1	350.3	351.0	F07	+ 87 351.2
3+06 E	5.1	350.3	351.5	F12	
3+27 W	1.9	353.5	352.6	C09	
3+41 E	1.9	353.5	352.9	C02	
3+69 W	366.14	9.8	356.3	354.2	C21
3+98 E	11.1	355.0	355.2	F02	
4+05 W	9.0	357.1	355.8	C13	
4+73 E	8.1	358.0	358.3	F03	
5+02 W	5.2	360.9	359.6	C13	
5+09 E	6.5	359.6	260.3	F07	
5+60 E	5.0	361.1	361.8	F07	
5+88 E	3.6	362.5	362.5	C02	
5+98 W	3.5	362.6	362.8	F02	
6+29 E	3.5	362.6	363.0	F04	
6+73 W	2.7	363.4	362.8	C06	

ALLEY BLK 9
 NOR. OF MEADE, E of 12th ST
 TR. 5 & GRDS FOR 6" A.C. WAT

OCTOBER 19 1952
 BEATTY
 SUREY
 MARTELL
 ALEXANDER

44

TBM	13.04	364.55		351.51				
TD	5.70	369.95	0.50	364.25		see pg 42.		
0+80	Existing 6" G.V. 5E & Alley				3609			
0+85	Begin Work		3.9	366.1	3610	051 ±		50
1+00			3.6	366.4	3612	052		45
1+50			3.7	366.3	3617	046		39
2+00			3.6	366.4	3622	042		37
2+50			2.6	367.4	3627	047		31
3+00			2.6	367.4	3632	042		27
3+50			2.5	367.5	3634	035		26
	Top. Davt.	2.58		367.37 - 367.24				2.58 2.6
3+55	Existing 6" C.I.		5.73	364.22	3635			3.15 0.55
				Pattern pipe				5.73 3.15
P	0.32	364.55	5.72	364.23				
CK			13.04	351.51 = 351.51				

WATER MET 5
 369.95

1+14 E	3.8	366.2		365.2	090
1+15 W	4.0	366.0		365.4	006
1+72 E	3.6	366.4		365.9	005
1+74 W	3.7	366.3		366.0	003
2+07 E	3.5	366.5		366.2	002
2+23 W	3.4	366.6		366.6	000
2+42 E	3.0	367.0		366.6	004
2+50 W	2.9	367.1		366.9	002
2+78 W	2.4	367.4		367.2	002
3+06 E	2.3	367.7		367.2	005
3+47 W	2.0	368.0		367.6	004

ALLEY BLK. 15
 NOR. of POLK, EAST of CENTRAL
 STR. & GRDS FOR 6" A.C. WATER

Nov. 3 1954
 BEATTY
 MARTELL
 ALEXANDER

25

TRM	2.16	361.75	359.59	Top EH NE Cor. POLK & CENTRAL (from pg. 23)	
0+00	Existing GV				
0+45		2.55	357.2	353.0	C42
0+50		4.1	357.7	353.1	C46
1+00		3.25	358.5	353.6	C49
1+50		2.57	359.2	354.1	C51
2+00		2.25	359.5	354.6	C49
2+50		1.95	359.8	355.2	C46
3+00	6.50	367.12	1.13	360.62	355.7 C49
3+50		6.0	361.1	356.3	C48
4+00		5.3	361.8	356.8	C50
4+50		4.8	362.3	357.4	C49
5+00		4.8	362.3	357.9	C44
5+50		4.2	362.9	358.4	C45
6+00		4.1	363.0	358.9	C44
6+09		4.3	362.8	359.0	C38
6+14	Existing GV				
HP	3.45	363.64	6.93	360.19	
OK TRM		4.04	359.60	= 359.59	

ALLEY BLK. 15
(Cont'd)

11/3/54

26

WATER METERS

361.75

0457 E.	3.6	358.2	357.0	C12	
0487 W.	3.25	358.5	357.2	C13	
1+11 W.	3.15	358.6	358.1	C05	
1411 E	2.8	359.0	358.0	C12	
1+18 W.	3.1	358.7	358.2	C05	
1+20 E	2.55	359.2	358.1	C11	
1+58 W.	2.75	359.0	358.6	C04	
1+67 W.	2.75	359.0	358.7	C03	
1+78 E	2.35	359.4	358.7	C07	
1+98 E	2.40	359.4	358.9	C05	
2+15 W.	2.15	359.6	359.3	C03	
2+16 W.	2.45	359.3	359.3	C02	
2+28 E	2.05	359.7	359.2	C05	
2+67 W.	1.55	360.2	359.6	C06	
2+67 E	1.25	360.5	359.6	C09	
2+95 E	1.2	360.6	359.9	C07	
3+04 W.	367.12	6.3	360.8	360.0	C08
3+20 E	6.5	360.6	360.1	C05	
3+56 W.	6.2	360.9	360.5	C04	
3+71 E	5.8	361.3	360.7	C06	
3+91 W.	5.7	361.4	360.8	C06	
3+97 E	5.3	361.8	360.9	C07	
4+32 E	5.0	362.1	361.2	C09	
4+42 W.	5.1	362.0	361.7	C07	
4+67 W.	5.0	362.1	361.6	C05	
4+68 E	4.7	362.4	361.6	C05	
5+00 E	4.6	362.5	361.9	C06	
5+38 W.	4.1	363.0	362.2	C08	
5+48 E	4.2	362.9	362.3	C06	
5+64 W.	4.2	362.9	362.4	C05	
5+70 E	No Existing Mtr		362.4		
5+76 W.	4.1	363.0	362.5	C05	
5+77 W.	4.1	363.0	362.5	C05	
5+91 E	4.3	362.8	362.5	C03	

TORRENCE ST.
KEATING TO PRINGLE
⑤ STK'S GRD

10/15/56

SHOREY
KEMP
SMITH
O'BRIEN

47

SWLY LET PUTERBAUGH & PRINGLE

BM	12.30	237.59		225.29		
TP	2.11	226.60	13.10	224.49		
TP	0.05	213.56	13.09	213.51		
TP	0.03	201.07	12.52	201.04		
TP	0.08	188.51	12.64	188.43		
TP	3.86	179.38	12.99	175.52		
0+50	CONN. TO EXIST. 6" C.I. STUB BY CITY		14.7	164.7	160.5	C4 ³ ± CUT TO EXIST. MAIN
0+62			10.7	168.7	162.0	C6 ⁷
1+00			3.2	176.2	171.7	C4 ⁵
TP	13.14	191.99	0.53	178.85		
1+50			5.6	186.4	184.0	C2 ⁴
1+62			2.6	189.4	186.2	C3 ²
TP	12.36	203.98	0.37	191.62		
2+00			3.3	200.7	196.9	C3 ⁸
TP	12.04	215.80	0.22	203.76		
2+50	12.24	227.60	0.44	215.36	211.0	C4 ⁷
TP	11.91	238.36	11.9	215.7		
3+00			8.0	226.45	223.5	C6 ²
3+25			3.6	234.8	229.8	C5 ⁰
3+30	45° BEND RT.		3.3	235.1	230.5	C4 ⁶
3+37			3.1	235.3	231.4	C3 ²
3+58	CONN. BY CITY 28 45° BEND LT.		2.4	236.0	232.8	C3 ³ ± CUT TO EXIST. MAIN
TP	0.54	235.52	3.38	234.98		
OK. BM			10.19	225.33	= 225.29	

LOCATION OF 12" C.I. MAIN
ON CITY PROP. AT HORTENSIA & SAN
DIEGO AVE.

PT. 1+01⁴⁴ TOP BLUFF 3' RT. - TOE OF SLOPE 8' RT.
10' LOWER

PT. 1+91⁵⁹ TOP BLUFF 2' RT. - TOE OF SLOPE
8' RT. - 10' LOWER

2+77 TOP BLUFF 3' RT. - TOE OF SLOPE
13' RT. - 12' LOWER

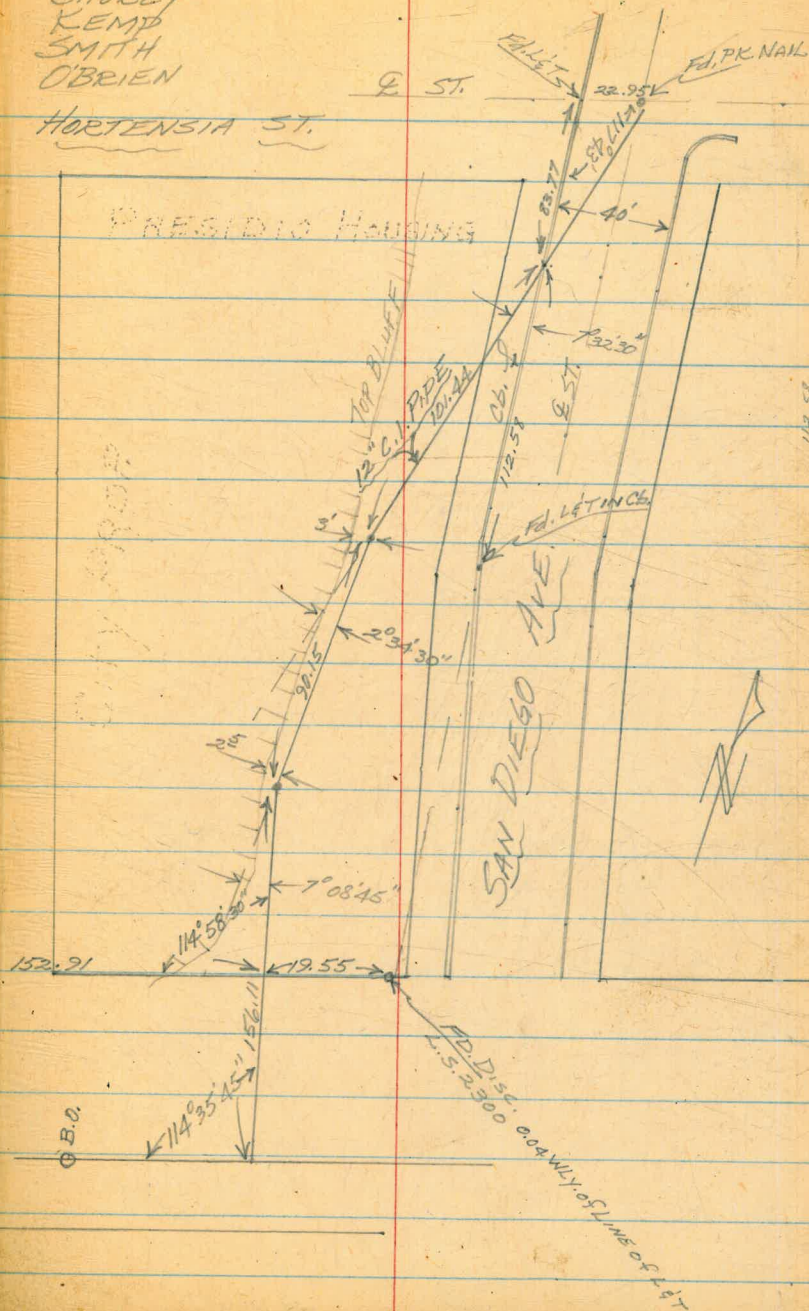
WITHERBY ST.

10/16/56

SHOBEY
KEMP
SMITH
OBRIEN

HORTENSIA ST.

48



GENEVA AVE
EUCLID to WINSTON DR
Preliminary for 6" water
Group 207

12+94.85 END LINE FH 10' RT
GV (See FB 863-72) (Bottom of pipe 172.8)

12+1136 20 RT To Conc Men

NOTE: SECTION FROM WINSTON DR
To Elwood Ave TO BE DONE
BY PRIVATE CONTRACT
DWG 7583-W 0+00 = 13+00
of this survey

QCM 5-3-57

2+4894 X PT $\Delta = 90^{\circ}31' RT$

2+2006 X PT $\Delta = 90^{\circ}31' LT$

1+8006 Wly $\Delta = 51^{\circ}57'$

0+60 Fly Δ EUCLID AVE

0+30 E " "

0+00 Wly Δ EUCLID AVE

DEC 7 1956

BEATTY
PAULSON
O'BRIEN

DIRT STREET
GAS MD
(No Surfacing)

12+1136 30' 10'

FH. 10' RT. 12+94.85
GV

49.

12+21
P. Pole # 412950 9' 0"
GUY ARC 9' RT
11+99
GAS LINE
CONC MEN
12+1136

Additional
Details shown
in profile notes

1/2" I.P. 30' 10' 10' 3/4" I.P. RE 9' 12' 1+495

DIRT STREET
CLOSED

10' 10' 13 1/2" I.P.
2+4894
1+8006
2+2006
 $\Delta = 90^{\circ}31' LT$

51 ST ST. 60'

GENEVA
Proposed 14'
20' 60' 11' 60'

3" AC
PAVT
EUCLID AVE
(W/ 6" AC PAVT)

GENEVA AVE.
EUCLID TO WINSTON DR
& PROFILE

DEC 10 1956

BEATTY
PAULSON
OBRIEN.

50

TOM	6.58	176.34		169.76
12+94 ⁸⁵			0.8	175.5
12+50			6.8	169.5
12+00			11.6	164.7
11P	0.38	163.51	13.21	163.13
11+50			1.8	161.7
11+00			4.4	158.1
10+75			6.7	156.8
10+50			10.6	152.9
10P _{recc}	0.00	150.33	13.18	150.33
10+00			5.9	144.4
9+75			8.7	141.6
9+50			9.8	140.5
9+00			10.9	139.4
8+50			14.5	138.8
8+00			12.2	138.1
8P _{recc}	7.11	144.94	12.50	137.83
7+50			7.2	137.7

Sly Rim. 6.99 138.0
Inv. 16" Sew -8.08 136.9
15.07 129.9

Reduced By Paulson to 16-57

PK nail in P Pole #P472950 SW Cor Winston & Geneva

12+58 39E LT Gas Val

12+37 Gas line Crosses?

12+21 Po Pole 9'RT

11+99 Guy anc 9'RT

C Sew M.H. 6' LT 7+33

GENEVA AVE
(Cont'd.)

12/10/56

51

144.94

7+26 7.4 137.5

7+00 8.5 136.4

6+50 5.8 139.1

P rock 11.66 156.45 0.15 144.79

6+00 10.7 145.7

5+50 0.6 155.8

P rock 12.56 168.97 0.04 156.41

5+00 4.3 164.6

P rock 12.38 180.99 0.36 168.61

4+50 8.3 172.6

4+00 3.9 177.0

3+50 0.6 180.3

P rock 7.35 188.17 0.17 180.82

3+25 5.7 182.4

3+00 4.5 183.6

2+50 4.6 183.5

2+48⁹² 2 RT 4.7 183.4

Rim 3.81 184.3

-1425 173.9

100. 6" SEW 18.06 170.1

Reduced By Palomino 1-16-57

$\frac{0.4}{5}$ c $\frac{+1.7}{5}$

$\frac{4.1}{5}$ c $\frac{3.6}{25}$ $\frac{+0.7}{4}$ $\frac{+1.1}{10}$

$\frac{8.0}{5}$ c $\frac{7.2}{25}$ $\frac{7.5}{10}$

3+59 6 RT P.Pole P-371549

2+83 2 RT Guy Anc

2+605 2 RT P.Pole P-277077

Sew MH 2+60E & 5 RT produced

6.75
1.30
8.05

GENEVA AVE
Cont'd

12/10/56

52

		188.17	
2+200 ⁰⁶	✕ PT	6.2	181.9
2+00		6.2	181.9
1+80		5.9	182.2
1+50		6.1	182.0
1+00		6.3	181.8
0+60		6.8	181.3
0+56	Edge 3" AC	6.95	181.2
0+30	✕ Euclid	6.57	181.6
0+20	Edge 3" A.C.	6.57	181.6
0+00		7.2	180.9
TBM.	Rim	6.56	181.61
		-6.85	181.3
	11x 8" Sew.	13.41	174.7

Reduced by Palomino 1-16-57

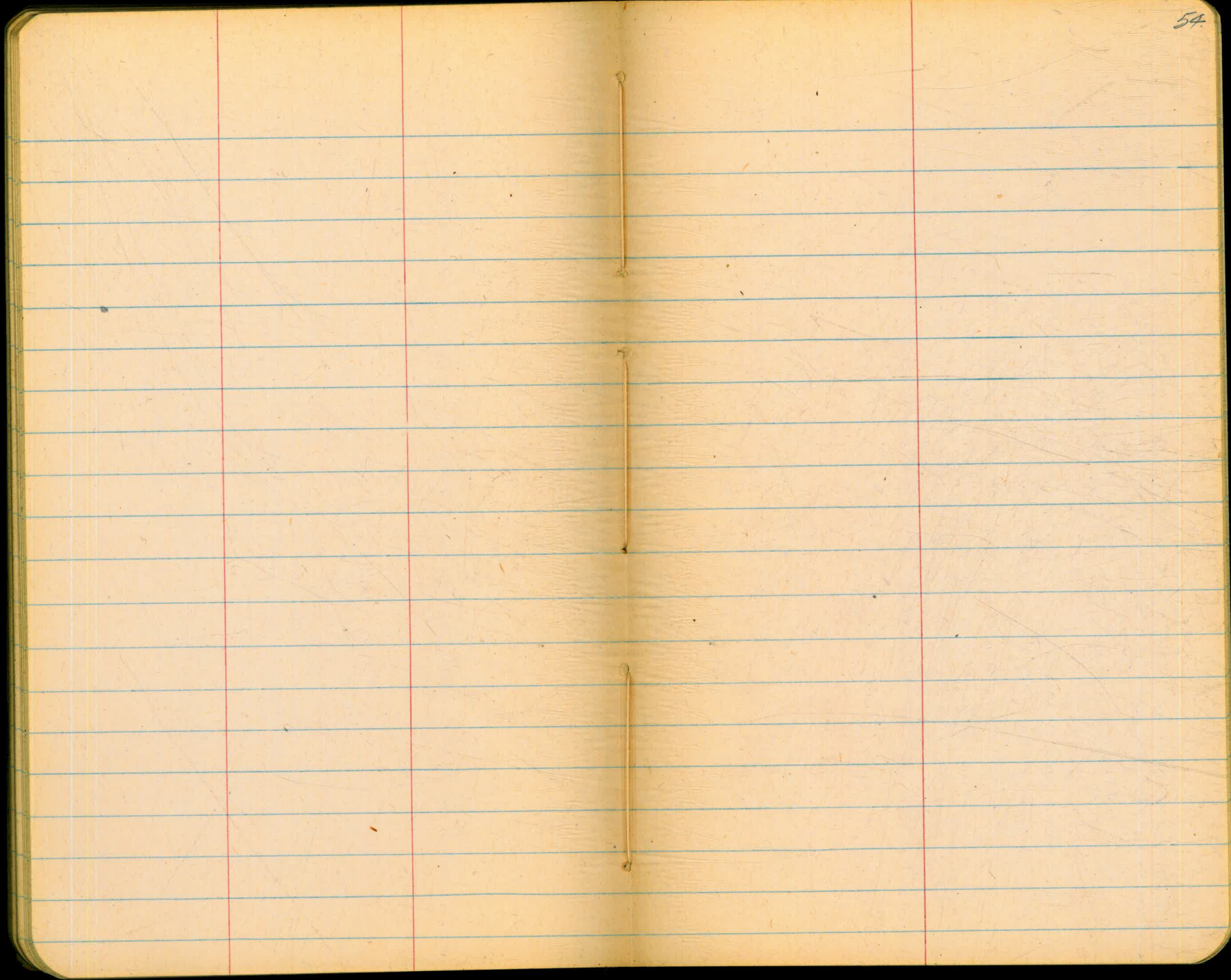
6" Sew Xing 2+10

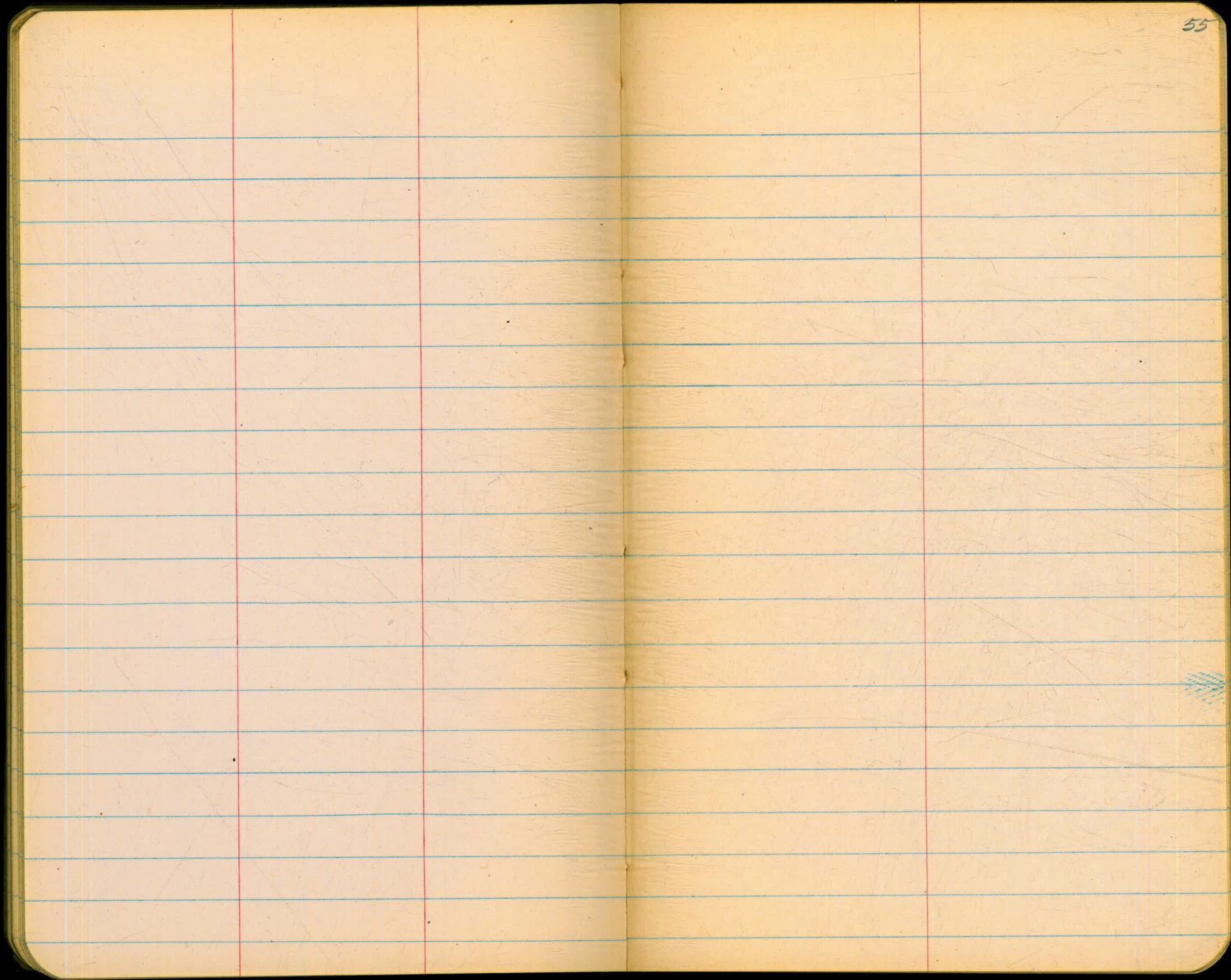
0+55 14' RT to 20' RT 5- West Mts

0+42

0+09 5' LT SEW M.H. 16" Sewer runs N to S.

S. edge rim SEW. M.H. 5' LT 0+09





10/19/52
Beatty
Party

LOCATION & ELEV.
F.H. SE Cor. 50TH & IMPERIAL

5

0.61 185.47

184.86

BM

End 5th curb
Imperial &
Churchward

7.28 178.20 179.70

F05 to Flange

