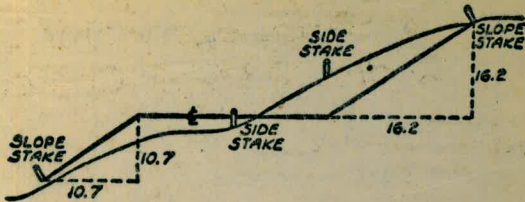


W 859

1859

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.

279

28.13  
 35  
 27.78  
 11.87  
 39.65  
 2.80  
 36.85  
 3.82

29  
 3  
 89  
 7  
 911

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	.58	.63	.68	.73
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39
35°	.11	.22	.34	.47	.58	.69	.79	.89	.99	1.04	1.29	1.42	1.54	1.66
40°	.13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	.15	.30	.44	.60	.76	.91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	.19	.38	.57	.76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	.42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	.23	.46	.69	.93	1.16	1.40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	.25	.51	.76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	.30	.61	.91	1.22	1.53	1.84	2.15	2.46	2.78	3.10	3.44	3.78	4.12	4.46
85°	.33	.66	1.00	1.33	1.68	2.02	2.36	2.70	3.05	3.40	3.77	4.14	4.55	4.89
90°	.36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	.39	.79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	.43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	.51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4.76	5.31	5.86	6.43	7.01	7.60
120°	.62	1.25	1.93	2.52	3.16	3.81	4.45	5.11	5.77	6.44	7.12	7.80	8.50	9.22

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.032	.035	.039	.043	.047	.051	.055
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	.711	.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	1.78	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

Profile Pacific Beach <sup>alice</sup>  
 PL. Diamond to Emerald  
 offset around new school build 2  
 Stks for consist of above line 3  
 Pac Beach School, Stks & Grds for relocation <sup>alice</sup> 4 ✓  
 Location & Elev of existing Utilities @ 16" C.I. <sup>AS LAYED</sup> 5 ✓  
 CHALCEDONY ST, Academy to Naves  
 & Proposed Water, & Profile Prop Water 6-9  
 ALSO PROFILE & ST. & PROP LINES  
 CONGRESS ST. San Diego to Wallara, Stks & Grds, Wat Mts 10-12 ✓  
 DENVER ST, JELLETE Nly, Stks & Grds, Wat Mts 15 ✓  
 JUAN ROAD, Location } 2" water, Fontana to Juan 14-15 ✓  
 JUAN ST, Witherby St, LOCATION WATER MAIN 17-18 ✓  
 ERIE ST, JELLETE Nly, Stks & Grds, Wat Met. 20 ✓  
 Frankfort St " " " " " " 21 ✓  
 Congress St, Stks & Grds for lowering 10" C.I. 22 ✓  
 KEATS ST, Stks & Grds for Wat. Mts. 23 ✓  
 ROSE & Miller Sts. Stks & Grds for WAT MET. 24 ✓  
 STEWART ST. " " " " " " 25 ✓

INDEX  
(Cont'd.)

	page
HOBART ST. } STKS & GRDS FOR WAT METS 63 <sup>rd</sup> ST }	26 ✓
ARISTA & JEFFERSON, 10" C.I. LOWERING	27 ✓
ARISTA, Jefferson to Moore, STKS & GRDS, WAT. MET.	28 ✓ Alice
ALLEY BLKS, 16 & 9 E. CHAMOUNE QUINCE - THORN - 6" WAT	29-31 ✓
ALLEY BLK 77 E of 42 <sup>nd</sup> DWIGHT - LANDIS - WAT. METS	32-33 ✓
"E" ST 27 <sup>th</sup> TO 28 <sup>th</sup> (25) STKS & GRDS 6" WAT	34-36 ✓
J ST 26 <sup>th</sup> TO 27 <sup>th</sup> " " " " "	37-39 ✓ Alice
OPAL ST., DAWES TO EVERTS, F.H. & WAT. METS	40 ✓
CAMINO DE LA COSTA, Proposed 6" WATER	41-45 ✓
ALBEMARLE, HARKINS TO WESTWOOD	46-47 ✓ Alice
Prospect St, Virginia Way to Terry Pines	48-52 ✓ con
TENNYSON, Rosecrans to Evergreen	53-59 ✓ con
TENNYSON, Rosecrans to Evergreen, Const 8" WAT	60-61 ✓
RUSSELL, Willow to Evergreen, Const 6" WAT	62 ✓
EVERGREEN, Lowell to Macaulay, Const 6" WAT.	63 ✓
QUINCY, Willow St to Willow Lane, Const 6" WAT.	64 ✓ Alice
HORTENSIA & JUAN PL. } Proposed P.L. { JUAN ST. TO JUAN ST. 66-72 ✓ Palms Group 79	66-72 ✓ Alice
Bay St Hortensia St to Withersby St	73 ✓ Alice

Profile Pacific Beach Pl.  
Haines St Diamond to Emerald  
offset around new Building

	11.81	82.11	70.30
0+00		5.4	76.7
+24 <del>2</del>		6.0	76.1
+50		6.0	76.1
1+00		5.4	76.7
+23 <del>2</del>		5.7	76.4
+50	Forward	6.2	75.9
+70		8.4	73.7
+87		8.2	73.9
2+00		9.9	73.3
2+45		6.8	75.3
+87		7.4	74.7
54 Back <del>2</del>		10.3	71.8
		11.81	70.30 = 70.50

West  
Marshall  
Varonfakis

11 Feb 53

BM BP NW Cor Diamond + Bruckham

North prep line Diamond

Top 2" copper water line

bottom elec conduit

bottom of 8" steam lines

70.5 Bottom

Top 16" line

0+87 ~~2~~ 45° LT

1+88 ~~2~~ 45° RT

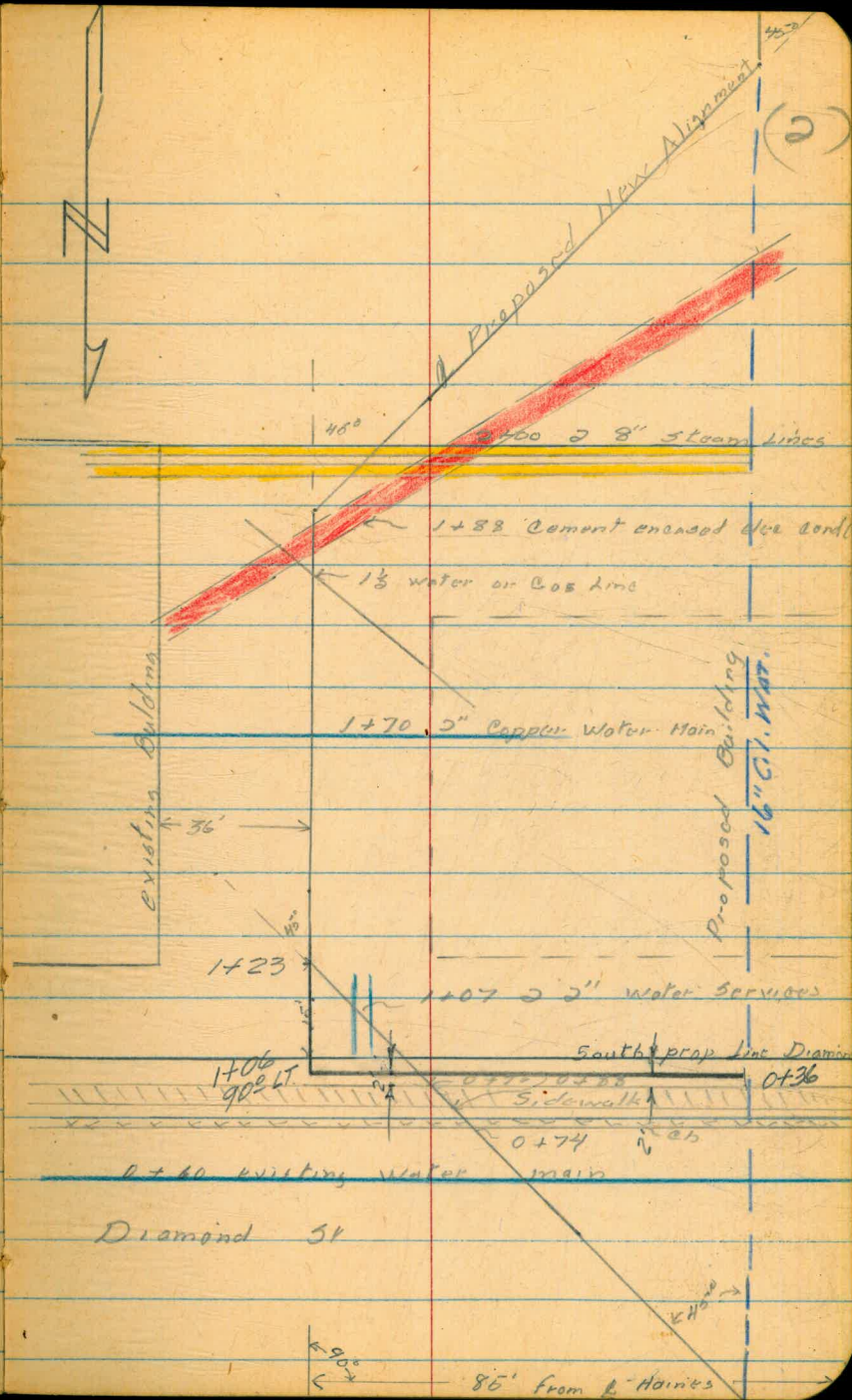
1+23 ~~2~~ 45° RT

NOTE: 0+36 To 1+26  
Revised as shown  
per. F. Gentillio,  
Beatty 2/24/52

1+06 90° LT

0+36 16" TEE

0+24 ~~2~~ 45° LT



offset Staks For Pac Beach PL  
Haines Diamond to Emerald

Worst  
(martell)  
Varonfakis

11 Feb 53

3

Sta	+	17.1	-	Elev		
	11.91	82.11		70.30	BM	NW BP Diamond + Brushham
(3)	0+24	2 split	6.0	76.1	72.4	0 3 2
(3)	1+50		6.10	76.0	72.2	0 3 8
(3)	1+00		5.3	76.8	71.0	0 5 0
(3)	1+23	split	5.7	76.4	71.5	0 4 9
(3)	1+23	90° Forward run	5.7	76.4	71.5	0 4 9
(10)	1+50		6.4	75.7	71.2	0 4 5
(10)	1+88.2		6.2	75.9	70.8	0 5 1
(10)	2+00		5.5	76.6	70.1	0 5 9
(10)	1+45		6.5	75.6	70.3	0 5 3
(10)	2+87	split 2	7.4	74.7	69.8	0 4 2
	1+97	90° Forward run	7.4	11.91 = 70.30 =	70.30	0 4 2

PAC. BEACH. SCHOOL YARD  
RELOCATION 16" C.I. WAT.  
See Sketch REV. pg. 2.

(5) STKS & GRDS

BM	11.51	81 81	70.30		
		Bot. existing 16" C.I.	10.23	71.58	
0+36		Top existing 16" C.I.	8.75		
0+36 (5) LT			5.45	76.36	71.6
1+06 (5) LT N			4.90	76.91	71.1
1+06 (5) LT E	90°		4.80	77.0	71.1
IP	3.72	80.78	4.75	77.06	
1+23 (5) LT			4.35	76.1	71.0
1+50 (5) LT			4.6	76.2	70.8
1+88 (5) LT E			4.8	76.0	70.5
1+88 (5) RT	Split 4x 45°		4.7	76.1	70.5
2+00 (5) RT			4.8	76.0	70.4
2+45 (5) RT			5.1	75.7	70.1
2+87 (5) RT	Split 4x		6.18	74.6	69.8
2+87 (5) RT	90° Fwd Tax.		6.2	74.6	69.8
	ck orig @ Split		6.1	74.7 = 74.7	
ck BM			11.51	70.30	

FEB. 26, 1953

BETTY  
MARTILL  
ALEXANDER

\*

BP NW Cor Gresham & Diamond

C48

C58

C59

C54

C54

C55

C56

C56

C56

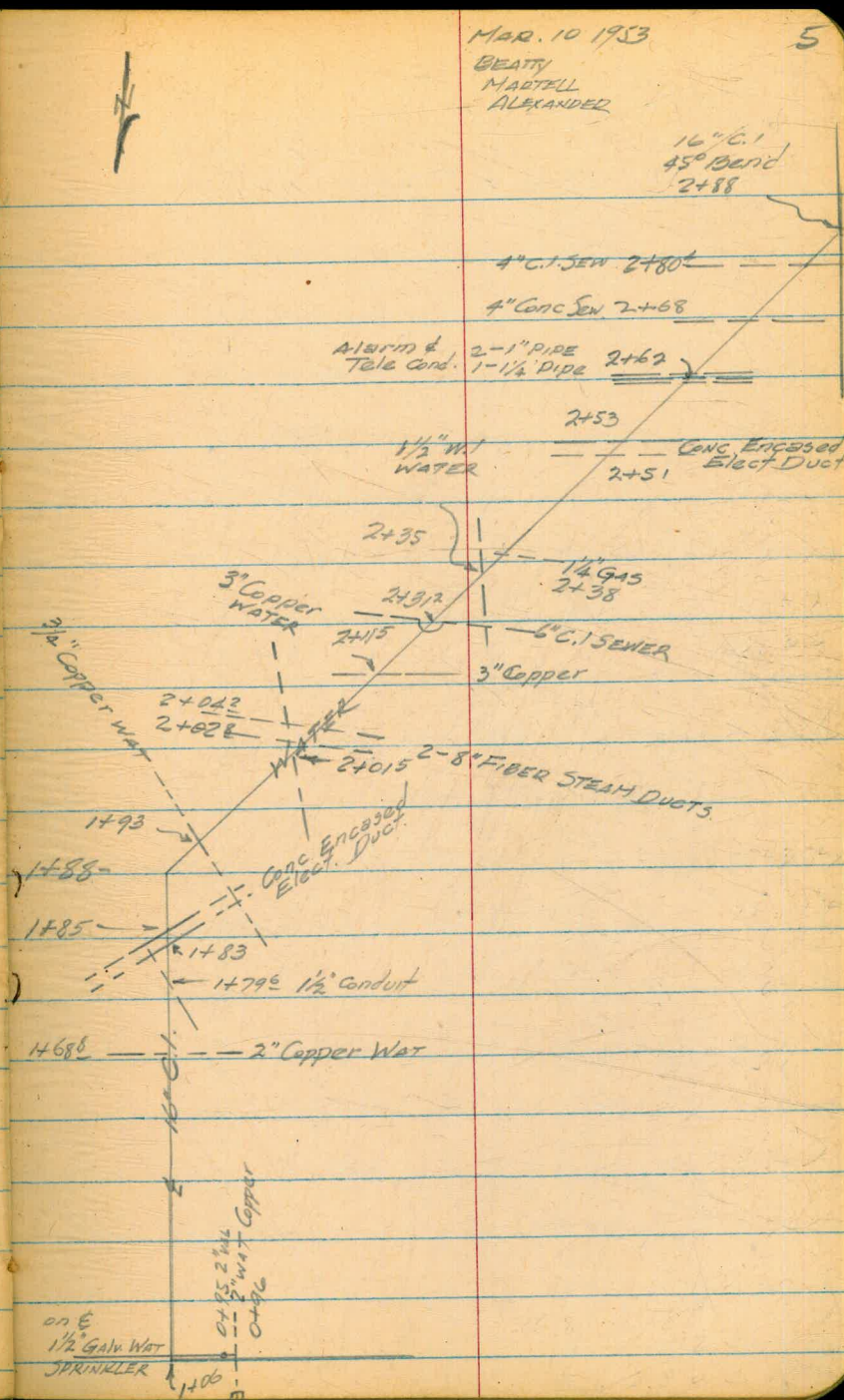
C48

C48



LOCATION & ELEVATION  
OF  
EXISTING UTILITY LINES  
& 16" C.I. AS LAYED  
DAC. BEACH SCHOOL.

Station	Description	Elev	Station	Elev
1+06	16" C.I.	76.91		
0+96	Top 2" Copper Wat	5.20	75.94	
0+96	Top 16" C.I. as laid	8.63	72.51	
1+06	Top 1/2" Galv Wat	5.15	75.99	
1+06	Top 16" C.I.	8.60	72.54	
1+688	Top 2" Cap. Wat	7.55	73.56	
1+790	Top 1/2" Cond	6.70	74.44	
1+84	Top Conc. Duct	6.60	74.54	
1+84	Bot Conc. Duct	7.50	73.64	
1+88	Top 45° Bend 16" C.I.	9.23	71.91	
1+93	Top 3/4" Cap. Wat	6.70	74.44	
1+93	Top 16" C.I.	9.32	71.82	
2+015	Top 3" Copp. Wat	7.20	73.94	
2+028	Top 8" Steam	8.05	73.09	
2+042	Top 8" Steam	8.10	73.04	
2+115	Top 3" Copp. Wat	7.38	73.76	
2+312	Top 6" C.I. Sew	11.47	69.67	
2+312	Top 16" C.I. Wat	9.42	71.72	
2+35	Top 1/2" W.I. Wat	6.55	74.59	
2+38	Top 1/2" Gas	7.40	73.74	
2+52	Top Conc. Duct	8.11	73.03	
2+52	Bot Conc. Duct	9.11	72.03	
2+62	Top 3 pipes	8.17	72.97	
2+68	(End of 16" at present) Top 16" C.I. Wat	9.30	71.84	
2+68	Top 4" Sew.	11.10	70.04	
2+68	Top 4" C.I. Sew	10.70	70.44	
2+88	Top 16" Exst C.I.	9.80	71.34	
CK (5) 1+88 (E)		5.20	75.94	76.00



CHALCEDONY ST.  
ACADEMY TO NOYES  
& PROFILE OF PROPOSED WATER  
ALSO PROFILE & STREET & PROP. LINES

BM.	3.22	129.25		126.03
II	3.51	124.11	8.65	120.60
0+00			13.25	
0+23			13.40	
0+23			12.74	
0+23.75			12.74	
0+25			12.4	
0+38			6.9	
0+43			5.0	
0+50			2.6	
II	13.05	135.59	1.57	122.54
0+65			6.7	
0+75			2.6	
II	13.31	148.42	0.48	135.11
1+00			3.9	
II	10.57	157.31	1.68	146.74
1+28				
1+38.5				

Mar. 30 1953  
BEATTY  
MARCELL  
ALEXANDER

6.

LET SE COR LAMONT & Chalcedony

why prop line Academy (on Conc part)

gutter line (" " " )

top of curb.

" " "

LEFT

RIGHT

		8	
		57	
(top curb)	11.33	49	19
	40.		40.
(Ely. prop line Academy)	81	30	+1.0
	40.		40
	9.8	30	+2.5
	40		40
	11.8	48	4.9
	40.		40
	8.6	9.7	10.90
	40.		40.
	5.2	9.6	10.50
	40.		40
		Conc Drive way	24
			24

CHALCEDONY ST.  
Cont'd

3/30/53

7

			LEFT	ST	RIGHT
1450	157.31		3.9 20	80	8.5 20.
1454					8.40 20.6
1462			2.85 25.		Floor level of House 8.40 20.6
1474			} Conc floor of garage		
1480			2.80 25.		
2400		59		14 20	9.8 20
+17 (on AC)		530			
+295					7.55 28.2
+385					} Conc Drive way 7.55 28.2
+42		485			
2450		46		4.0 20.	9.3 20.

CHALCEDONY ST.  
(Cont'd.)

3/30/53

8

				LEFT	ST	RIGHT
	157.31					
2+90		4.9				
SET TBM.	926 160.75	5.82	151.49	Wly. prop line Noyes St.	+1.8 20.	3.4 40.
3+00		8.1		Conc Man. & Noyes & Chalcedony.		
					1.7 40.	7.9 40.
3+10						
3+12		9.9		(Inv 16" Steel Cross Culv.)	5.75 20.1	7.8 12.9 End 22" Prop 16"
						11.40 (Inv 24" Steel) 12.8 Cross Culv.
3+30		10.3		& Noyes St.	4.2 40.	8.7 40.
3+34		10.1				
3+35		9.3				
3+40		8.4				
BM	5.07 156.56	9.26	151.49	Conc Man. & Noyes & Chalcedony		
IP	1.05 145.10	12.51	144.05			
IP	1.48 133.74	12.84	132.26			
IP	7.25 128.10	12.89	120.85			
ck Orig. BM.		2.89	126.01 = 126.03	7' L&T SE Cor. LAMONT & Chalcedony		

CHALCEDONY ST.  
& PROPOSED WATER

3440 End Line

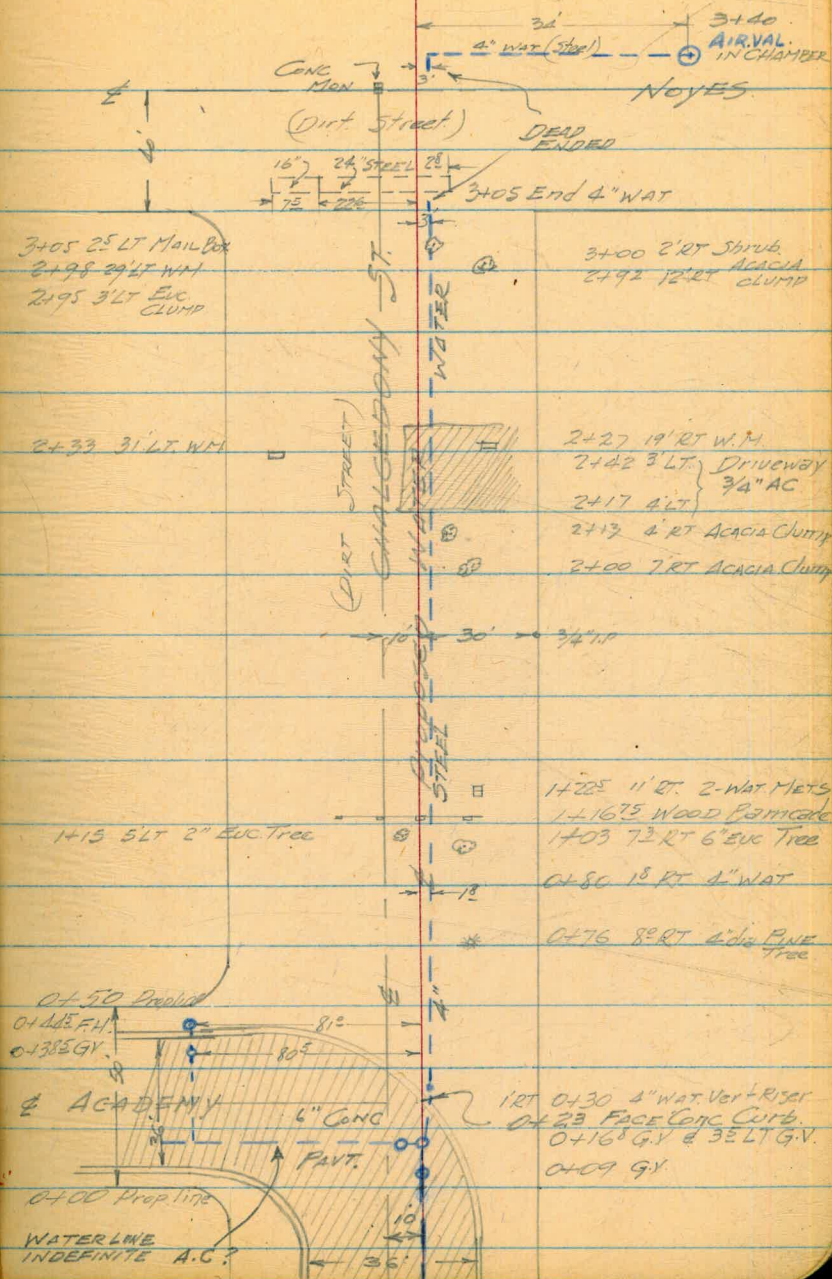
3430 & Noyes

0400 Wly Prop Line Academy

27

Mar. 20, 1953

9



April 28, 1953

10

Congress St.  
WATER METER & FIRE HYDRANT  
Relocation for PAVING.

(2) & (5) STK. 5 & GRDS.

F.H. 12' W PC (Congress & San Diego)  
STKD 1' BK CURB NW COR.

0+05 = BC NW Cor Arista & Congress  
W.M. 0+25 Nly

2-  
W.M. 1+45 E Nly

STKD from  
City Engrs  
3' BK of CURB STKS.

WM 2+90 (Nly) = 2' from BC

F.H. 2+95 = 3' from PC  
STKD 1' IN from Prop. line

BM. 1.38 25.06 23.68

0+00 = NW Cor Conde & Congress

0-02 Nly 5.6 19.5 19.1

0+00 Sly 2' MET 6.9 18.2 18.1

0+02 Sly 6.8 18.3 18.2

0+335 Nly 5.4 19.7 19.6

0+64 Sly 5.9 19.2 19.1

1+25 Sly 5.3 19.8 20.2

1+77 Nly 3.8 21.3 21.0

1+85 Sly 4.4 20.7 21.3

2+37 Sly 3.4 21.7 22.2

2.83 20.23 = 20.23

(5) 0/05 to Flange

585 606 = 649

14  
24  
6.70 6/23 7.93

C02

2408 Congress

F02

2422 Congress

C/L

2444 Congress

C/50

3972  
3970  
3968  
3966 } Conde

C04

C01

C01

C01

C01

F02

F03

F06

F05

(ASKING about  
separate MET)

2453 Congress

2466 Congress  
2462 Congress  
3964 Conde

2467 "

RAD PT.

Congress St  
Top 10° C.I. MAIN

5/1/53

11.

TBM	5.87	26.10	20.23	
0-07	42' Ely 0+00		9.45	16.65
0-01	1' Ely 0+00		9.51	16.59
0+00	Nly P.L. Conde St			
0+34			9.47	16.63
1+77 <sup>6</sup>			7.74	18.36
TBM	5.03	28.71	2.43	23.67 = 23.68
2+37			9.58	19.13
0+00	Nly P.L. Harney			
0+18			8.53	20.18
0+00	Nly P.L. Twigg			
0+28			10.01	18.60
TP	0.94	25.27	2.18	24.53
1+80			7.83	17.64
0+00	Nly P.L. MASON			
0+86			10.54	14.93
2+33			12.03	13.44
2+70			12.44	13.03
TP	0.19	15.96	9.70	15.77
3+25	E Smith St		4.20	11.76
3+65			5.57	10.39
4+65			9.13	
			15.11	00.85
	(No pipe)		16.70	-0.72
CK TP			1.20	

RAW PT NE Conde & Congress

Nail in pole

2.70  
5.87  
8.53

4.18  
5.83  
10.01

5.83  
6.2

9.13  
15.11  
15.77

(See pg. 22 for lowering)

Congress St.  
WATER MET.S

5-4-53

12.

0+00 = Nly P.L. Harney  
1+27 Nly

1+25 Sly

1+68 Nly

1+92 Sly

2+15 Sly

2+36 Nly

2+61 Nly

2+67 Sly

2+95 Nly F.H.

3+00

0+00 = Nly P.L. Twigg

2+11 Nly

✓ Replaced 5/12/53

2+55 Sly

✓ Replaced

1+50 Sly

1+26 Sly

0+81 Sly

0+28 Sly

C05

2520 Congress

C05

2519 "

C06

2528 Congress

C06

2533 "

C04

2537 "

C03

2540 Congress

C04

2548 Congress

C04

2543 "

C14 To Flange

C06

2636 Congress

C11

3941 Mason

C07

2627 Congress

C0L

2611 "

C08

2607 "

C06

2605 "



DENVER ST  
 JELLETE TO INGULF  
 (2) STKS & GRDS FOR  
 WATER METERS

5/1/59

13.

BM	1.24	54.29	53.05		Cont Max Denver & Ingulf
0400 - Nly RL JELLETE					
0+20 Ely.		8.85	45.44	45.4	C00
0+66 Ely.		8.33	45.96	46.4	F04
1+18 Ely.		6.23	48.06	47.7	C04
1+59 Wly.		7.82	46.47	47.8	F13
1+64 Ely.		5.55	48.74	48.7	C00
2+13 Ely.		3.84	50.45	49.9	C06
2+33 Wly.		6.07	48.22	49.7	F15
2+66 Ely.		2.33	51.96	51.2	C08
3+00 Wly.		4.70	49.59	50.8	F12
3+26 Ely.		3.16	51.13	51.8	F07
OK BM.	1.23	53.06			

49.1

(JAN) JUAN ROAD

LOCATION OF 2" & 6" WATER  
FROM HORTENSIA TO JUAN ST.

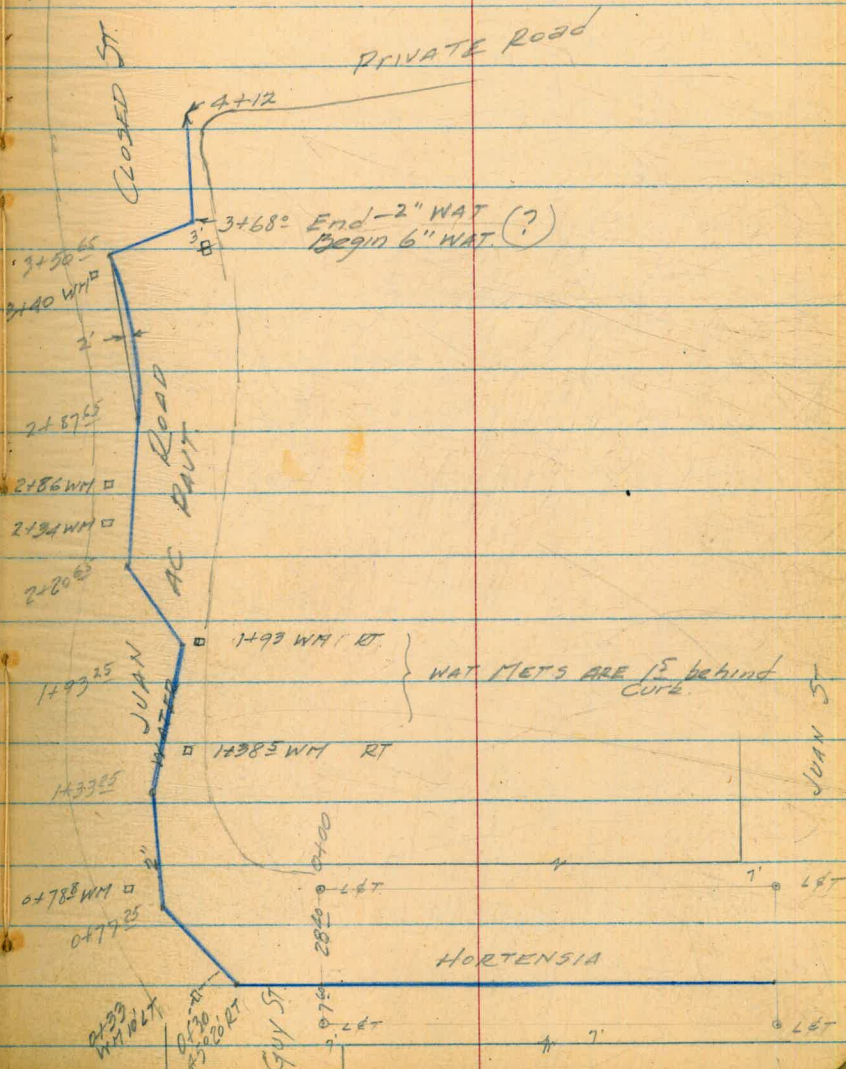
(LOCATED BY PIPE FINDER)

APRIL 27 1953

14

BEATTY  
MARTELL  
ALEXANDER

3+68 <sup>00</sup>	3 PT	75°03'30" LT	3+78 Begin 3' Sidewalk LT Curb 14 <sup>00</sup> LT " 5 <sup>60</sup> RT
3+50 <sup>65</sup>	3 PT	72°08'30" RT	Curb 2 <sup>60</sup> RT " 22 <sup>60</sup> RT
2+87 <sup>65</sup>	3 PT	70°20' LT	Curb 3 <sup>60</sup> RT " 23 <sup>60</sup> RT End 3' SW RT
2+20 <sup>65</sup>	3 PT	51°41' RT	Curb 3 <sup>00</sup> RT " 23 <sup>00</sup> RT
1+93 <sup>25</sup>	3 PT	53°00'30" LT	Curb 18 <sup>60</sup> RT LT Curb 13 <sup>60</sup> LT RT
1+33 <sup>25</sup>	3 PT	17°47' RT	Curb 16 <sup>45</sup> LT " 3 <sup>55</sup> RT Begin 3' Sidewalk LT
0+77 <sup>25</sup>	3 PT	43°16' RT	Begin Curb 0 <sup>60</sup> RT Curb 20 <sup>00</sup> RT Begin 3' Sidewalk RT
0+30	3 PT	45°20' RT	
0+00	Ely 7' offset Prop line Guy St		



JUAN Road  
Cont'd

April 28 1953

15.

7+94 E JUAN St (89°42'30" RT)

7+84.6 E 6" Water JUAN St

7+80.1 G.V.

7+72.97 4' offset Prop. line

7+68.97 Wly Prop. line JUAN St (36° RT 20° LT)  
AC. PAVT.

6+22 Rubble Curb 12.5 LT 5.25 RT

5+95.7 X PT. 61°25'30" RT (End curb 5+78 16.2 LT 7.25 RT)

5+44.47 X PT. 11°58'30" RT (Curb 16.0 LT, 7.05 RT. 5+44, 2-WH)

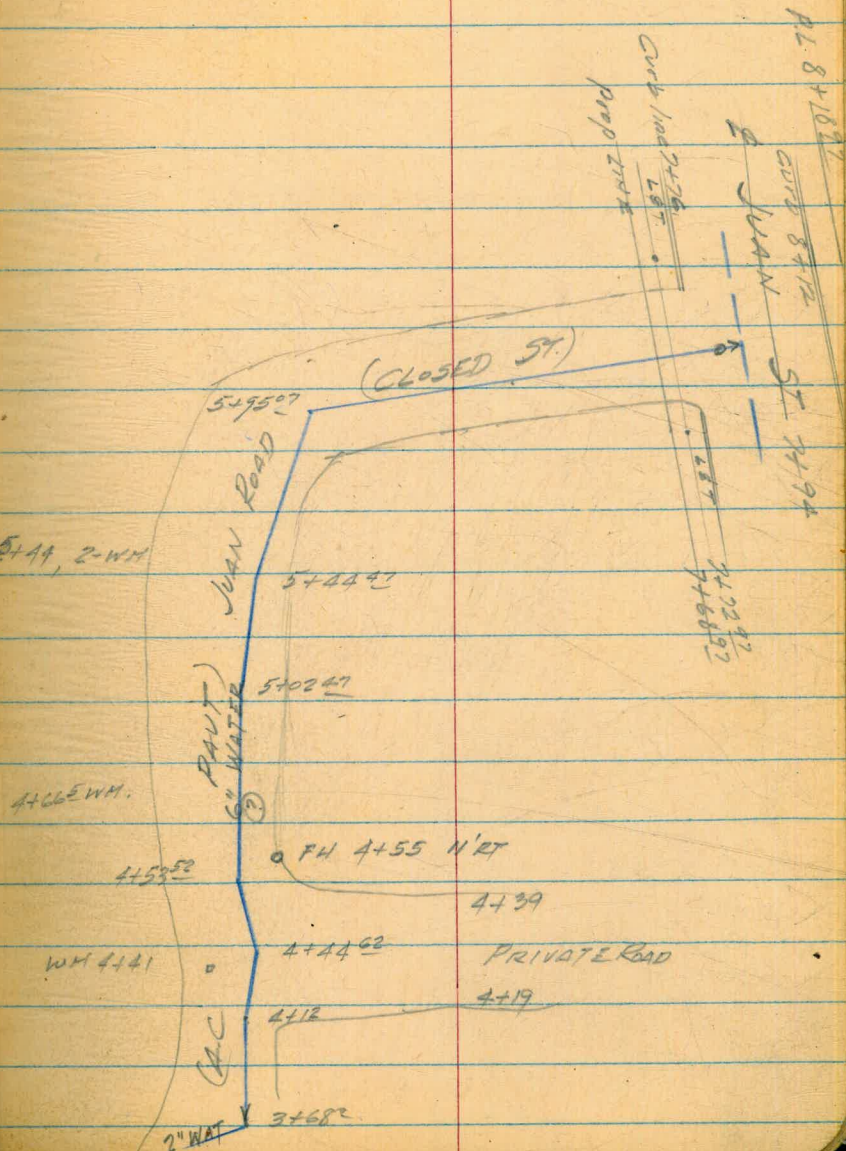
5+02.47 X PT. 6°19' RT Curb 18.5 LT, 5.5 RT.

4+53.52 X PT. 28°23' RT } Curb 19.25 LT 9.20 RT

4+44.62 X PT. 30°31'30" LT } Curb 25.20 LT  
Curb line 5.70 RT  
Curb ret. 10.20 RT

4+12 X PT. 7°55' RT

3+68.00 X PT. 75°03'30" LT } Curb 18.20 LT  
Curb line 1.80 RT  
Curb ret. 8.20 RT







WITHERBY ST  
(CLOSED.)  
(Cont'd from pg. 17)

5/18/59

18.

— H —

4+67.96 = 25' CONNECTION } City Eng  
498

4+48 END 12" CI. WAT. 10<sup>20</sup>  
2" G.V. of plug.

STA 2+10 - 4+25  
LAWN, TREES, SHRUBBERY  
GARDEN, ETC

12" WITHERBY  
E WITHERBY (CLOSED ST.)

Trees

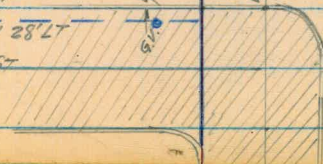
HEDGE

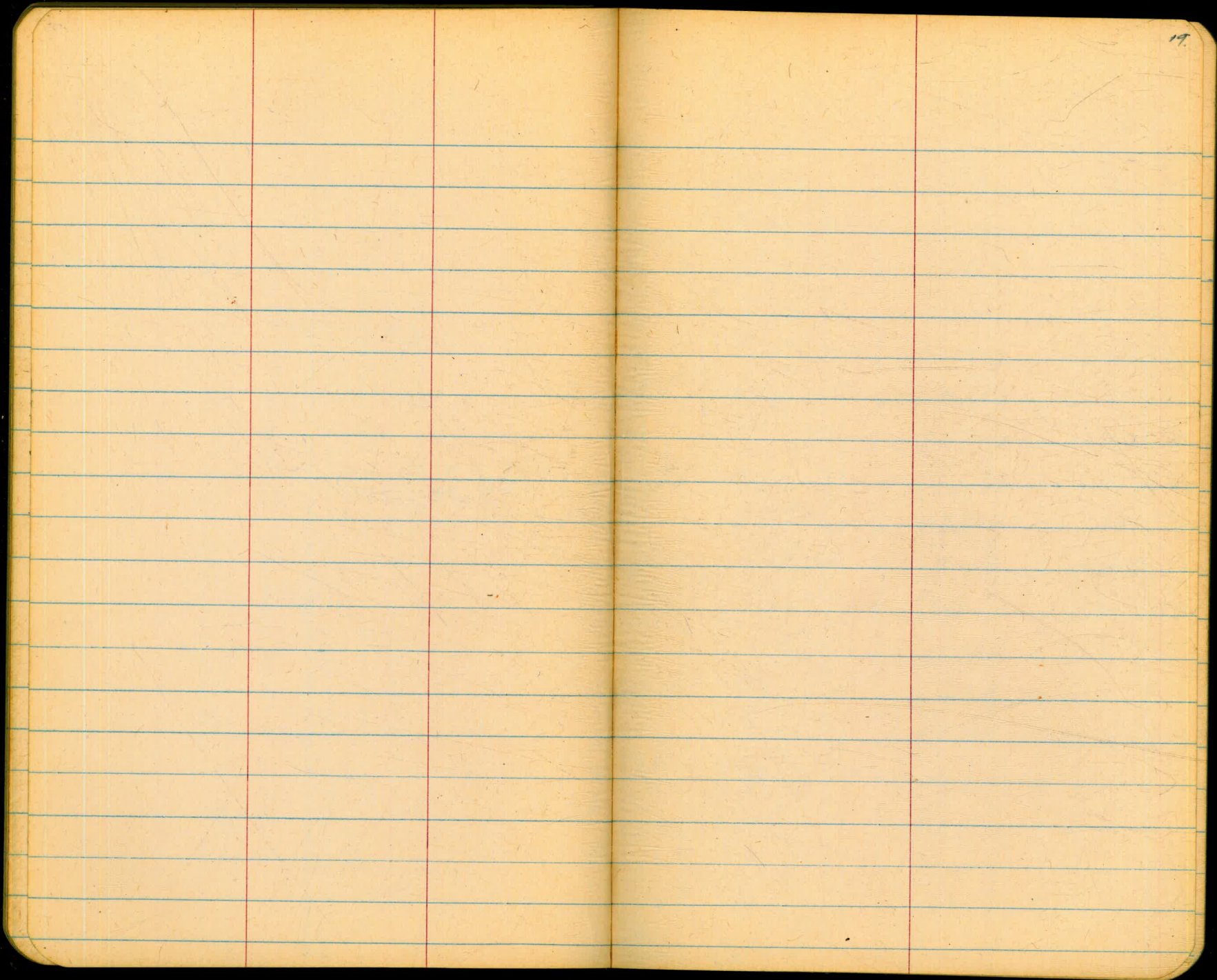
Lawn

Prop. line 2+10  
2181 GUY 2+02.5 WM 105 LT

1495 G.V. 28' LT  
E GUY ST

LS 2201 IN CURB  
2100<sup>30</sup>





ERIE ST.  
JELLETE N.Y.  
② Water Meters

5-4-53

20

TBM 8.85 73.59 64.74

R+00 = N.Y. R4 Jellet.

Nail in Pole SW Cor BR MET = 205 W  
Jellote & Eric = 255 E

0+19E W.	8.86	64.7	64.9	F02	4336 Jellet.
0+18 E.	6.2	67.4	66.7	C07	2503 ERIC
0+63 W.	7.8	65.8	65.2	C06	2512
0+66 E.	6.2	67.4	66.2	C12	2509
1+42 W	7.96	65.6	64.8	C08	2520
1+73 E	4.70	68.8	65.6	C92 ?	2529
1+82 W.	8.8	64.8	64.5	C03	2530.
2+24 E	5.6	68.0	65.3	C27	2535
2+24 W	9.4	64.2	64.3	F01	2536
2+63 W.	9.1	64.5	64.1	C04	2544
2+71 E	5.7	67.9	65.0	C29	2543
3+25 W.	9.1	64.5	63.7	C05	4335 Inqulf.
3+47 E	6.5	67.1	64.6	C25	2551 ERIC
	9.91	63.68 = 63.61		Nail in pole SW Cor Inqulf. & Eric	



FRANKFORT ST  
JELLETE NY  
② GRADES for Water Meters.

5-4-53

21

BM	13.31	106.66		93.35			
0-03 E 3-MET			2.36	104.3	100.3	SPK in Pole Sw Cor Jellete & Frankfort	?
0+10 E			3.43	103.2	101.1	C21	2516 Galveston
0+59 E			1.46	105.2	102.6	C26	2503 Frankfort
0+78.5 W.			5.7	106.0	102.9	F19	2507 "
④ 1+21 E	9.53	115.72	0.47	106.19			2512 "
1+70 W			8.0	107.7	106.7	C10	2521 "
1+70 E			10.5	105.2	108.4	F28	2530 "
2+18 E.			5.1	110.6	109.4	C12	2529 "
2+24.5 W			2.83	112.9	111.6	C13	2535 "
2+73.5 E			8.3	107.4	110.7	F33	2536 "
2+75 W.			0.0	115.7	113.3	C24	2543 "
3+03.5 E			5.8	109.9	112.3	F24	2544 "
④	0.26	106.18	0.0	115.7	113.8	C19	?
CK BM			9.80	105.92			
			12.83	93.35 = 93.35			

CONGRESS ST.  
 (4) STKS & GRDS FOR LOWERING  
 10" C.I. WATER  
 SMITH TO WALLACE

MAY 5, 1953  
 BEATTY  
 MARTELL  
 ALEXANDER

22.

PK #1	1.67	17.44	15.77			
0+00 = NLY R/L MASON ST.			3.97	13.47 = 13.45		
					FIN GRD STREET	
3+05			3.3	14.1	13.3	C08
3+25			3.7	13.7	12.2	C15
3+50			4.6	12.8	10.6	C22
3+65			4.95	12.5	09.7	C28
3+85			6.2	11.2	08.6	C26
						2.74 1.3
4+05			8.5	08.9	07.7	C12
						2.2 1.2 1.2
4+25			10.7	06.7	06.9	F02
						1.3 lower .5 8
PK #2	6.27	22.04	1.67	15.77		7.97 2.2
0+00 = NLY R/L MASON ST.						10.17 1.2 8.87
0+02 W			2.9	19.1	18.5	C06
						3940 MASON
0+44.5 E			3.5	18.5	18.1	C04
						3952 MASON
0+88 W			3.9	18.1	17.6	C05
						2721 "
1+52 E			4.1	17.9	16.3	C16
						2724 Congress
1+67 W			5.2	16.8	16.6	C02
3+285 E			<del>3.44</del> 7.04	15.00	12.4	C26
						2750 "
PK #3	0.13	15.90	6.27	15.77		?
4+18 E			7.18	08.72	07.5	C12
(CK 5' BK 4+05)			5.75	10.15	07.97	(C22 OK)
(CK 5' BK 4+25)			8.35	07.65	07.2	(C03 OK)

(2)

KEATS ST.  
WATER METER

5/8/53  
5/11/53

23

BM	6.19	08.94	02.75			BR. SW Cor. Rosecrans & Garrison (I would call it NW Cor.)
47	1.75	08.30	2.39	06.55		
0428 W. (FH.)			8.34	-00.04	0.90	F095
0466 E.			9.25	-00.95	0.90	F19
1425 W.			8.65	-00.35	0.70	F105
1481 W.			8.74	-00.44	0.70	F115
2419 E.			7.62	00.68	0.70	C02
2456 E.			8.00	00.30	0.60	F03
2403 W.			8.00	00.36	0.70	F04

C05

MAY 14 1953  
 BEATTY  
 MARTELL  
 ALEXANDER  
 VARENFALUS

24.

ROSE STREET  
 MILLAR TO 63rd  
 & MILLAR ST  
 ROSE TO HOBART ST

(2) STKS & GRDS. SET FOR WATER METERS

(BK of MET on PL)

BM.	ROSE ST 468.41	457.33		RUN SEW MH HOBART & MILLAR C/P to Flange C/P		
0+00 - EN. PL. MILLAR ST.			463.0			
0+08 F.H. ⑤		4.02	463.20			
1+13 Nly.		3.70	464.1		6222	ROSE
	468.75					
1+83 Nly.		2.71	466.04	464.8	C12	6230 "
3+12 Nly		3.8	465.0	464.4	CO <sup>6</sup>	6246 "
3+51 Nly.		4.1	464.7	464.3	CO <sup>4</sup>	6252 "
3+46 Sly (Transf. from Cor)		3.85	464.9	464.5	CO <sup>4</sup>	6295 "
3+64 Sly		3.8	465.0	464.4	CO <sup>6</sup>	6255 "
4+03 Nly		4.5	464.3	464.1	CO <sup>2</sup>	6258 "

MILLAR ST.

(1008-L)

(BK of MET ON P.L.)

0+00 - Nly Prop. line	ROSE ST.					
	467.57					
0+15 Wly		5.3	462.3	462.5	FO <sup>2</sup>	4772 MILLER
0+29 Ely		3.3	464.3	462.8	C15	4775 "
0+58 Wly		5.3	462.3	462.2	CO <sup>1</sup>	New House No number "
1+26 Wly		5.5	462.1	461.8	CO <sup>3</sup>	4786 "
1+40 Ely		4.0	463.6	462.2	C14	4783 "
1+93 Wly		6.1	461.5	461.4	CO <sup>1</sup>	4790 "
2+31 Wly		5.5	462.1	461.2	CO <sup>9</sup>	4804 "
3+17 Ely		4.8	462.8	461.1	C12	4815 "
3+18 Wly		6.1	461.5	460.7	CO <sup>3</sup>	4814 "
4+58 Ely		8.1	459.5	458.7	CO <sup>8</sup>	4835 "
2+67 Wly		9.4	458.2	458.4	FO <sup>2</sup>	4838 "
1+74 F.H. EN.		8.5	459.1	458.2	CO <sup>9</sup>	

Existing location 18' from E.  
 STK'd 195

5/14/53  
SAME PARTY

25

STEWART ST  
MILLAR TO 63<sup>rd</sup>

(2) STKS &amp; GRDS FOR WATER METS

(10079-L)

(BK of MET ON PROP LINE)

BM	10.22	467.57	457.33	RUN MET HOBART & MILLAR		
0+00 = (Ely Prop line Millar St.)						
0+28 Nly		4.5	463.1	461.6	C15	6206 STEWART
0+33 Sly		4.1	463.5	461.8	C12	4795 MILLAR
1+24 Nly		4.2	463.4	462.0	C14	6228 STEWART
1+63 Nly		4.5	463.1	462.2	C09	623A "
1+75 Sly		4.0	463.6	462.3	C13	6233 "
2+16 Nly		4.7	462.9	462.4	C05	6242 "
2+81 Nly (Transf. from Cor.)		4.3	463.3	462.7	C06	6250 "
2+86 Sly		4.2	463.4	462.7	C07	6249 "
3+15 Sly		3.8	463.8	462.8	C10	6255 "
3+41 Nly		4.6	463.0	462.9	C01	6262 "
3+96 Nly		4.7	462.9	463.1	F02	6266 "
TP	5.35	468.41				
4+00 F.H. Sly (19.5 from $\frac{d}{st}$ )		4.51	463.06	463.1	C02	
4+25 Sly		5.5	462.9	463.2	F03	6271 "
4+75 Nly		5.6	462.8	463.0	F02	6282 "
4+79 Sly		5.4	463.0	463.1	F04	6281 "
OK BM	2.32	468.75	1.98	466.43		
			3.07	465.69 = 465.60		BD NW Cor E Canyon & 63 <sup>rd</sup>
			3.52	465.21 = 465.19		Nail in pole
TP	2.37	468.41	2.71	466.04		
OK BM			11.03	457.38 = 457.33		Run Sew M.H. HOBART & MILLAR

HOBART ST.  
MILLAR TO 63<sup>rd</sup>  
② JTK & GRD FOR WATER METERS  
(10078-L)

BM	8.59	465.92	457.33
1+26 Sly			9.8 456.1
14 83 Sly			458.8
2+75 Sly	2+19 Sly		459.2
			259.5
			460.6
			459.8
3+39 Sly			4.7 461.2
			460.4
3+87 Sly			4.5 461.4
			460.7
4+23 Sly			4.2 461.7
			461.0
4+74 Sly			4.0 461.9
			461.3
CK BM	8.59	457.33	

63<sup>rd</sup> St (HOBART TO STEWART)

Li 468.41  
0+00 = Sly PL HOBART ST.

0+37.5 Wly.			5.7 462.7
			462.0
0+96 Wly.			5.9 462.5
			462.2
1+46 Wly.			5.8 462.6
			462.3
1+86 Wly.			5.8 464.6
			462.4
0+00 = Sly Prop Line Stewart St			
0+15 Wly	Li 468.75		5.6 463.2
			462.9
0+88 Wly			5.1 463.7
			463.1
1+36 Wly			4.9 463.9
			463.2
2+17 Wly			4.75 464.0
			463.5
0+00 = Sly PL ROSE			4.35 464.4
			463.7

5/14/53  
SAME PARTY

26

(BK of MET. ON Prop. Line)

F27	6225	HOBART	
E11			
C08	6241	"	463.2
			7.8
			459.4
C08	6257	"	2.0
			462.6
C07	6265	"	
C07	6273	"	
C06	6281	"	
C07	4832	63 <sup>rd</sup>	
C03	4826	"	
C03	4820	"	
C02	4808	"	
C03	4792	63 <sup>rd</sup>	
C06	4788	63 <sup>rd</sup>	
C07	4780	"	
C05	4766	"	
C07	4762	"	

May 19 1953.  
 BETTY  
 MARTELL  
 ALEXANDER

27

ARISTA ST. & JEFFERSON

① STKS & GRDS, for lowering 10" C.I.

ALSO ARISTA ST  
 JEFFERSON TO MOORE

② STKS & GRADES for Existing WAT. MET.

BM	0.08	35.56	35.48	
P	1.22	27.52	9.26	26.30
		10.72	16.80	
			16.10	
		12.38	15.14	
TP	1.70	26.83	2.39	25.13
		4.30	22.50	= 31.47
(ck. on 9rd Stk.)		10.73	16.10	16.58
TP	3.93	29.06	1.70	25.13
0+00 - 10" Cross				16.5
0+06		6.6	22.5	17.3
0+20	End lowering Nty	Top 10" Bot "	8.32	20.74
	①	5.7	23.4	19.8
0+00 - 10" Cross.				
0+06		5.9	23.2	16.8
0+50		4.1	25.0	18.8
1+00		2.5	26.6	21.0
1+50		2.3	26.8	23.3
1+62.5	End lowering Ely	Top 10" Bot "	4.38	24.68
			22.73	23.9
ck BM		3.93	25.13	

00.52 Cor ARISTA & LaJolla

Top 6" FH. TEE NWly Cor. JEFFERSON & ARISTA  
 Bot 6"

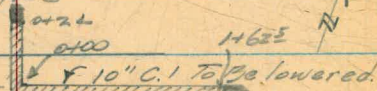
Top 6" C.I. newly placed approx  $\frac{1}{2}$  of JEFFERSON

Top FH. NWly Cor. JEFF. & Arista.

Written  
 on pole? No Good

005 Marked on Stk. of v 2460  
 NWly side

FH  
 6" DC



& JEFFERSON

c52

c36

c64

c62

c44

c35

ARISTA  
 6" C.I.

ARISTA ST.  
JEFFERSON To MOORE  
(2) Grids & Slips for  
WATER METERS

5/19/53

28.

(9778-4)

(from Transf Slips.)

TP	0.48	25.61	25.13	Top FH		
0+00 = Sly P.L. JEFFERSON						
0+57 Ely	8.4	17.2	16.6	COE	3893	Arista
0+83 Ely	8.7	16.9	16.0	CO <sup>9</sup>	3889	Arista
1+36 Ely	9.2	16.4	15.8	COE	3873	"
1+76 Wly	9.9	15.7	16.6	FO <sup>2</sup>	3870	"
1+80 Wly	10.7	14.9	15.2	FO <sup>2</sup>	3874	"
2+00 = Wly Drop loc Arista						
0+135 Sly on Jefferson	6.6	19.0	18.8	COE	2405	Jefferson
1+67 Sly on Jefferson			08.2		2427	Jefferson
0+05 Nly (3) F.H.	3.20	22.21	19.6	COE		

8.83 16.75

7.3 18.3  
17.6



OCT. 15, 1953  
 BEATTY  
 MARTELL  
 ALEXANDER

29

ALLEY BLOCKS 16 & 9  
 EAST OF CHAMOUNE ST.  
 FROM QUINCE TO THORN  
 (5) STKS & GRDS FOR 6" A.C. WATER  
 Drawing 5932-W

BM	270	335.66	332.96	B.P. NW Cor THORN & CHAMOUNE (F.B. 818 pg. 28)
C 12+295	(END WORK)	6.25	329.4	325.8 C36
C 12+00		5.38	330.3	325.1 C52
11+79	W.M. EAST	5.56	330.1	330.4 F03
11+50		5.8	329.9	324.7 C52
11+52	W.M. West	5.61	330.1	329.9 C02
11+00		6.37	329.3	324.2 C51
10+97	W.M. EAST	6.92	328.7	329.0 F03
ID 10+50	1.58	330.44	6.80	328.86 323.8 C51
10+29	W.M. West	2.0	328.4	328.0 C04
10+25	W.M. EAST	2.1	328.3	327.9 C04
10+00		2.64	327.8	323.4 C44
9+97	W.M. EAST	2.76	327.7	327.4 C03
9+50		3.24	327.2	322.5 C47
9+40	W.M. West	3.6	326.8	326.5 C03
9+29	W.M. East	3.9	326.5	326.3 C02
9+00		4.6	325.8	321.5 C43 ✓
8+58	W.M. West	5.27	325.2	325.1 C01
8+50		5.84	324.6	320.6 C40

ALLEY  
BLOCKS 16 & 9  
(CONT'D.)

8+12	WM West	330.44	6.36	324.1	324.3	F02	
8+09	WM East		6.8	323.6	324.0	F04	
8+00			6.82	323.6	319.6	C40	
7+90	WM West		7.14	323.3	323.0	C03	
7+59	WM East		8.05	322.4	322.7	F03	
7+50			8.22	322.2	318.6	C36	
7+29	WM East		8.72	321.7	321.9	F02	
7+26	WM West		8.36	322.1	321.8	C03	
7+00			9.37	321.1	315.4	C57	
6+76	WM West		9.57	320.9	320.6	C03	
6+50			10.72	319.7	314.4	C53	
6+51	WM East		10.73	319.7	319.7	C02	
① 6+00		1.44	319.62	12.26	318.18	311.2	C70
5+50			4.03	315.6	310.4	C52	
5+29	F.H. TEE		4.66	315.0	310.1	C49	
	③ F.H.		3.95	315.7	312.8	C09 C56	
5+24	WM East		4.5	315.1	314.5	C06	
5+00			5.5	314.1	309.6	C15	
4+98	WM West		5.46	314.2	313.8	C04	
4+68	WM East		6.65	313.0	313.0	C02	
4+50			7.27	312.4	307.7	C47	

staked 7' from & pipe

ALLEY  
BLOCKS 16 & 9  
(CONT'D)

		319.62							
4+00			9.94	309.7	305.4 <del>305.9</del>	C43			
3+96	WM East		10.3	309.3	309.8	F05			11/4/53. RESET (5) TO RT.
3+51	WM East		12.7	306.9	306.8	C01			
3+51	WM West		11.22	308.4	306.8	C16			
3+50	P	0.94	307.88	12.68	306.94				(5) 11.00 306.2 C51
			1.72	306.2	306.1	C51			0.1 306.1 C50
3+00			8.92	298.96	296.2	C28			0.4 301.8 C50
2+70	WM East		8.44	299.4	301.7	F23	Ni 306.19		5.0 301.2 F05
2+50			9.65	298.2	293.7	C45	✓	7.0	4.7 301.5 C78
2+00			13.45	294.4	291.2	C32			2.6 295.7 C48
1+75	P	0.60	295.56	12.92	292.96				5.5 293.0 C34
			3.5	292.1	289.6	C25		2.3	4.1 298.49
1+50			5.43	290.1	286.5 <del>288.0</del>	C36	✓	3.0	7.7 290.8 C43
1+25			11.1	284.5	282.0	C25		7.1	1.8 285.2 C32
1+00	P	0.10	285.45	10.21	285.35				7.0 280.0 C42
			11/4° Bend.	7.0	278.5	275.8	C27	5.5	
0+87			22 1/2° Bend.	11.4	276.1	270.0	C11	4.3	4.1 286.95
0+80	WM West		11.2	274.3	No Geo	C00			
0+59	WM West		13.3	272.2	No Geo	C00			
0+55	{	END WORK. F.H. TBE.	4.9	280.6	270.0	C106		6.8	13.4 273.6 C36
	(5) F.H.		2.98	282.5	No Geo	C00			C125
CK BM.			6.75	278.71 = 278.74					Nail in Talc. pole #446880# 6' RT. 0420.

OCT. 23 1953

Baugh,  
Martell,  
Alexander.

32

ALLEY  
BLOCK 77  
EAST OF 42<sup>ND</sup>, DWIGHT TO LANDIS  
② STKS & GRDS FOR WAT. METS.

BM.	3.29	340.56	337.27		BD. NW. COR. VAN DYKE & DWIGHT
0+00 = North Prop. LINE DWIGHT.					
0+30 E.		2.85	338.7	337.2	C05
0+37 E.		2.45	339.1	337.4	C07
0+45 W.		2.47	339.1	337.5	C06
0+49 W.		2.65	338.9	337.6	C03
0+76 E		2.14	339.4	338.1	C03
1+22 E		1.73	339.8	338.5	C03
1+27 W		2.0	339.6	338.5	C01
1+60 W		1.15	339.4	338.7	C07
1+74 E		1.14	339.4	338.9	C05
2+00 W		1.15	339.4	339.1	C03
2+07 W	2 METS.	0.92	339.7	339.2	C05
2+26 E		0.92	339.7	339.4	C03
2+42 W		1.0	339.6	339.5	C01
TP	6.50	346.65	0.41	340.15	
2+79 E		6.8	339.8	339.8	C02
2+83 W		6.4	340.2	339.8	C04
3+02 E	2 MET	6.3	340.3	340.0	C03
3+26 W		5.97	340.7	340.2	C05
3+44 E		5.86	340.8	340.3	C05

10/23/53

33

ALLEY  
Block 77  
(Cont'd)

346.65

3+59 W.	5.76	340.9	340.5	CO <sup>4</sup>
3+68 E	5.61	341.0	340.6	CO <sup>4</sup>
3+84 W	5.65	341.0	340.8	CO <sup>2</sup>
4+07 E	5.66	341.0	341.0	CO <sup>2</sup>
4+25 W	4.87	341.8	341.2	CO <sup>6</sup>
4+27 E	5.36	341.3	341.2	CO <sup>1</sup>
4+53 W	5.04	341.6	341.4	CO <sup>2</sup>
4+70 E	4.43	342.2	341.7	CO <sup>5</sup>
4+77 W	4.47	342.2	341.9	CO <sup>3</sup>
5+01 W	4.01	342.6	342.3	CO <sup>3</sup>
5+16 E	3.74	342.9	342.5	CO <sup>4</sup>
5+20 W	3.94	342.7	342.6	CO <sup>1</sup>
5+24 W	3.8	342.9	342.8	CO <sup>1</sup>
5+47 E	3.32	343.3	343.0	CO <sup>3</sup>
5+58 E	3.40	343.3	343.1	CO <sup>2</sup>
5+62 E	3.20	343.5	343.2	CO <sup>3</sup>
Ⓟ	2.59	345.49	3.75	342.90
ck BM.	8.22	337.27	=	337.27

10/26/53  
DEATTY  
MARTELL  
ALEXANDER

34

E ST.  
27<sup>th</sup> To 28<sup>th</sup> ST  
(25) STKS & GRDS FOR 6" A.C. WATER

B.M. 9.26 189.27 180.01 SW Cor. BR. 27<sup>th</sup> & E (CE. PS 1567-28)

0+00 = Wly Prop line E ST.

0+60<sup>2</sup> EXIST G.V. Bottom  
0+61<sup>3</sup> End EXIST 6" C.I. 9.5 179.8

Station	Offset	Station	Station	Station	Station	Ground at & pipe	
0+65	BEGIN WORK	6.3	183.0	179.8 177.5	C32	63	
1+00		5.2	184.1	181.0	C31	51	
1+50		3.35	185.9	182.9	C30	33	
1+75		2.4	186.9	183.8	C31	24	
2+00		2.0	187.3	184.3 182.4	C30	20	
2+25		2.76	186.5	183.5 183.8	C30	26	
2+50		4.5	184.8	181.4	C31	43	
3+00	1.32	181.39	9.20	180.07	176.5	C36	90
3+50		6.6	174.8	172.6	C42	65	
4+00	0.11	168.22	13.28	168.11	164.8	C33	132
4+12		1.6	166.6	163.4	C32	16	
4+50		6.9	161.3	158.3	C30	68	
5+00	0.27	155.30	13.19	155.03	151.5 151.6	C30	87
5+25		3.7	151.6	148.2	C34	37	
5+50		6.4	148.9	145.6	C33	63	

10/26/53

'E' ST  
(CONT'D)

155.30

5+75		8.0	147.3	144.2	C31	7.9	
6+00		8.45	146.85	143.4	C35	8.3	
6+25		7.25	148.05	144.0	C41	7.15	
6+50		5.4	149.9	146.0	C39	5.3	
6+75	9.22	162.00	2.52	152.78	149.6	C32	2.4
7+00		5.9	156.1	152.5 153.4	C36	5.9	
7+25		3.9	158.1	154.0 155.7	C41	3.9	
7+35	END WORK	3.6	158.4	154.5 156.5	C39	3.65	
7+39	EXISTING G.V.	6.70	155.8				
CK TBM		4.70	157.30	= 157.28			

WATER METERS.

0+90.5	Graded to Existing Curb.	845	27 <sup>th</sup> ST
1+35 N.		911	" "
1+40.5		2711	E ST.
1+58 N		2708	" "
1+80.5		2721	" "
1+97 N		2712	" "
2+16.5		2729	" "
2+38 N		2726	E. ST.

E ST.  
(Cont'd)

2480 N

2484 S

3421 N

3479 S

3478 N

3485 S

4409 N

4420 S

4460 N

4477 S

4481 N

19-MET

10/26/53

36.

2736 E ST

2735 "

2746 "

2743 "

2752 "

2751 "

2770 "

2759 "

2778 "

2769 "

2782 E ST



"J" ST.  
26<sup>TH</sup> To 27<sup>TH</sup> ST  
(25) STKS & GRDS FOR 6" A.C. WAT.

OCT. 27, 1953  
Dasty  
Martell  
Alexander.

27

B.M.	2.27	155.85		153.58		
IP	1.25	145.85	11.75	144.10		
HP	12.06	148.45	9.46	136.39	=	136.81
			8.43	139.92	=	140.35
0+60	- Exist 6" G.V. Ely Prop. line 26 <sup>TH</sup> ST					136.8
0+62	4.5° Bend					136.7
0+64	Begin Work		8.5	140.0		136.7
0+88.14	P.C. (No Bend Necessary) A 5° 03' RT.					136.4
1+00			8.6	139.9		136.2
+25			8.1	140.4		136.9
+50			7.2	141.1		137.5
+75			6.8	141.7		138.2
2+00			6.2	142.3		138.8
+25			5.5	143.0		139.5
+50			4.7	143.8		140.1
+75			4.0	144.5		140.8
3+00			3.3	145.2		141.4
+25			2.7	145.8		142.1
+50			2.1	146.4		142.7
+75			1.5	147.0		143.4
4+00			0.9	147.6		144.0

CHIS D SWGR 26<sup>TH</sup> & MARKET FB 851-27

0+00 on Conc Pavt Wly Prop Line 26<sup>TH</sup>, " " "

0+60 " " " " " " " " " "

C33

C37

C35

C36

C35

C35

C35

C37

C37

C38

C32

C32

C36

C36

10/27/59

"J" ST.  
(CONT'D.)

		148.45					
4+25	5.90	154.12	0.23	148.22	144.7	C35	✓
+50			5.3	148.8	145.3	C35	✓
+75			4.65	149.5	146.0	C35	✓
5+100			4.13	150.0	146.6	C34	✓
+1627	EC	22 1/2° Bend	4.0	150.1	146.5	C30	✓
		(Δ = 19°13' RT.)					
+3975	X PT	150° Bend	4.0	150.1	146.4	C41	✓
		Δ = 41°05' RT.					
+50			4.44	149.7	146.4	C33	
6+100			5.9	148.2	144.5	C37	
+50			7.45	146.7	142.5	C42	
7+100			9.64	144.5	140.6	C39	
+45	= END OF WORK		12.16	142.0	138.5	C32	
	& pipe moved 02 LT						
+50	Existing 6" G.V.	12 LT			138.6		
CK TP		12.20		141.92	= 141.90	Edge Point. 7+50	
CK TP	WATER METS.	13.17		140.95	= 140.96	Top Stem.	
2+51 S.							
2+88 S.							
3+65 S.							
5+48 N		154.12	2.95	151.2	152.1	C02	
6+09 N			5.05	149.1	149.8	F03	
6+12 N			5.17	149.0	149.6	F06	

154.12	121.08
980	12.46
144.32 TP	123.54
8.43	26
152.75 JL	123.18 TP
12.77	12.77
139.98 TP	156.75 JL
140.64 JL	56
9.54	155.59 TP
131.08 = BM	9.41
131.01 GORR!	164.00 JL
	10.51
	153.49 = 153.52
	= 0.09

- 2619 J ST
- 2629 "
- 2643 "
- 2670 "
- 2672 "
- 2676 J ST

J<sup>n</sup> ST.  
(Cont'd.)

39

4  
6+46 N

2680 J. ST

6+60 So

2685 J. ST

7+24 N

302 27<sup>th</sup> ST

OPAL ST.  
DAWES TO EVERTS  
② STKS & GRDS FOR  
EXISTING WATER METERS

April 5 1954  
Beatty  
Shorey  
Martell  
Alexander

40.

BM.	862	121.14	112.52		
⑤ F.H.			8.08	113.06	114.20
0+28 Sly			6.5	114.6	115.2
0+30 Nly			3.8	117.3	115.8
0+70 Sly			3.7	117.4	117.0
0+80 Nly			2.2	118.9	117.9
1+09 Sly			1.7	119.4	118.7
① 1+30 Nly	13.10	134.09	0.15	120.99	120.1
1+925 Sly			11.2	122.9	122.3
2+30 Nly			9.0	125.1	124.4
2+43 Sly			9.4	124.7	124.5
2+79 Nly			7.0	127.1	126.5
2+91 Sly			7.6	126.5	126.4
3+26 Sly			6.2	127.9	127.7
3+30 Nly			5.4	128.7	128.4
3+72 Sly			4.5	129.6	129.3
4+24 Sly			3.3	130.8	130.8
4+295 Nly			1.9	132.2	131.6
4+77 Sly			1.7	132.4	132.5
4+80 Nly			0.5	133.6	133.1

(Summermyer.)  
chis x 3' BK P.L. on Sidewalk SW Cor Opal & Dawes

F1<sup>15</sup> to flange.

F06

1105 Opal

C15

5053 Dawes

C04

1111, Opal

C10

1118, 1110 Opal

C07

1121 "

C09

1122, 1130 "

C06

1127, "

C07

1134, 1138 "

C02

1135 "

C06

1142, 1150 "

C05

1145 "

C02

1151 "

C03

1159 "

C03

1161 "

C06

1167 "

C06

1170 "

F01

1175 Opal

C05

5056 Everts

134.09  
132.85 Nly curb  
134.09  
132.28 Sly curb  
133.25 Sly  
133.75 Nly

CAMINO DE LA COSTA  
 PROPOSED 6" WATER  
 Avenida del Cortez - Camino de la Costa.

April 5, 1954  
 BETTY  
 SUDEY  
 MARTELL  
 ALEXANDER

8+98.15 E.C.

$\Delta = 42^{\circ}13'07''$   
 $R = 685.00$   
 $L = 505.11$

3+93.26 B.C.

2+25 E.C.

$\Delta = 23^{\circ}56'00''$  LT.  
 $R = 180$   
 $L = 75$

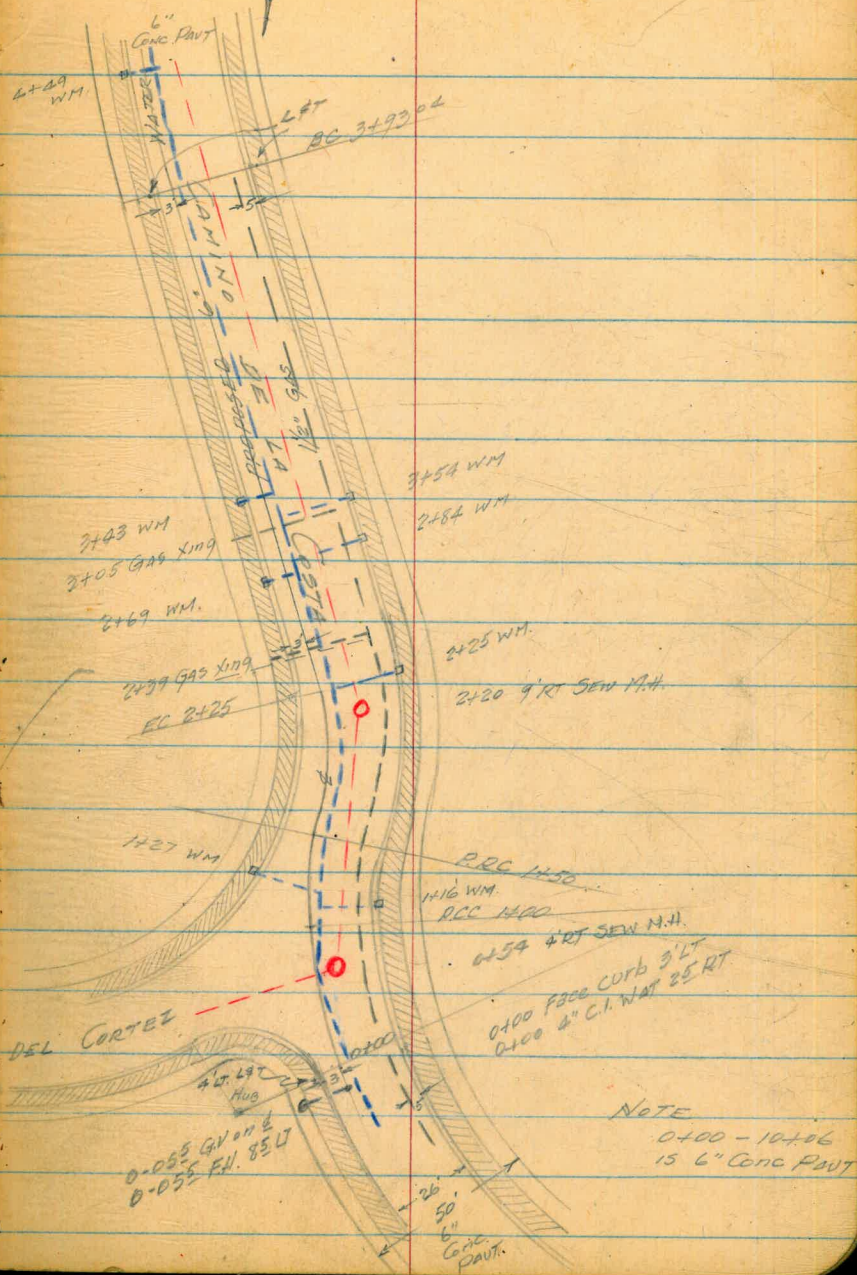
1+50 P.R.C.

$\Delta = 7^{\circ}57'30''$  RT.  
 $R = 360$   
 $L = 50$

1+00 P.C.C.

$\Delta = 9^{\circ}33'00''$  RT.  
 $R = 600$   
 $L = 100$

0+00 B.C. (AT B.C. RET ONLY COR. Camino de la Costa.)



NOTE  
 0+00 - 10+06  
 IS 6" CONC. PAVT.

CAMINO DE LA COSTA  
(Cont. d.)

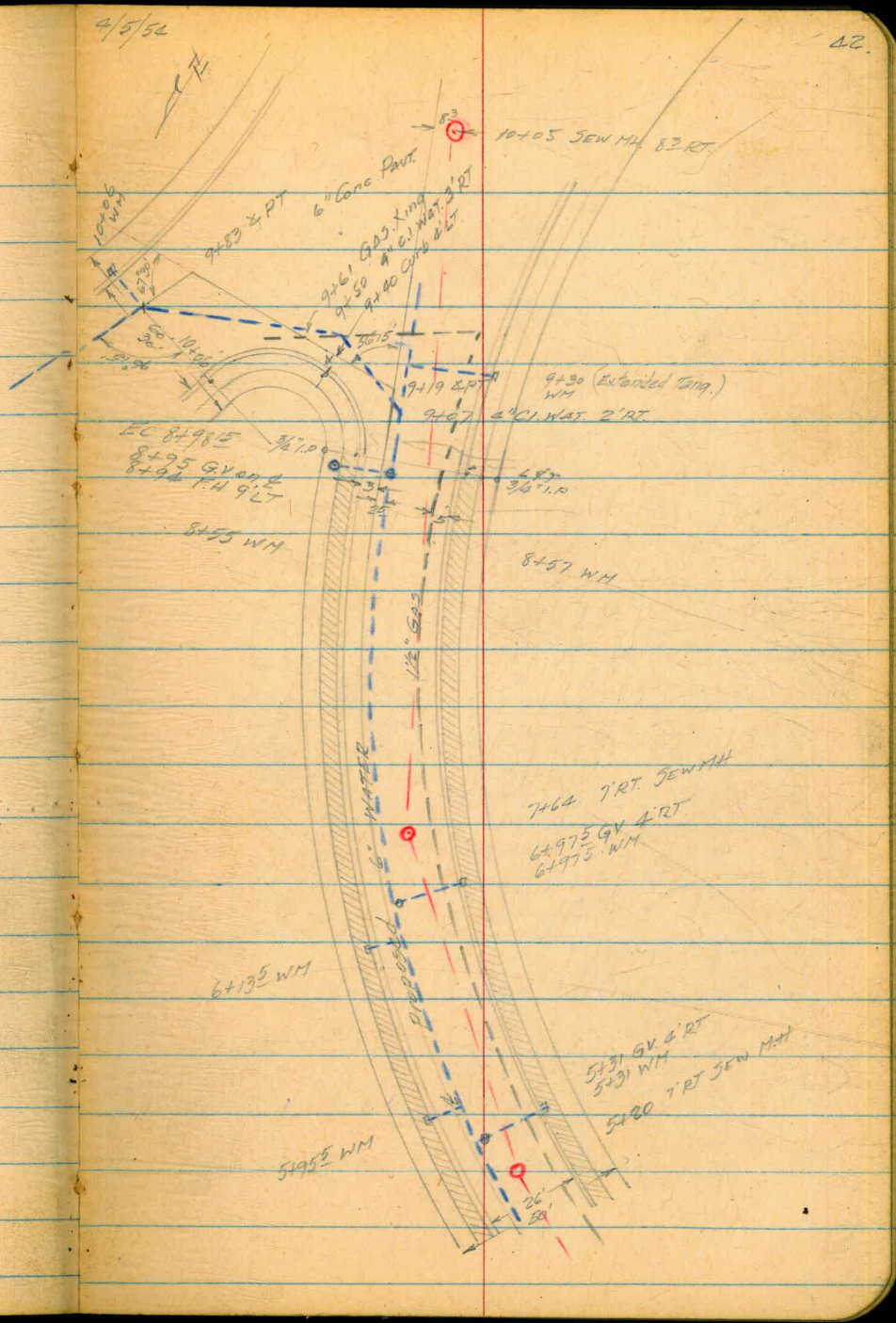
10+06 End proposed 6" water ?

9+83 X PT 67°30' LT

9+19 X PT 56°15' LT

4/5/52

22.



10+06 WM

9+83 X PT

6" Conc. Pavt.

83

10+05 SEW MH 82 RT

9+61 GV 2' RT  
9+50 6" CI. WAT. 2' RT  
9+40 CURB 6" LT

10+06  
36' 1" R.O.  
10+06

9+19 X PT

9+30 (Extended Long.) WM

6" CI. WAT. 2' RT

EC 8+95 3/4" I.P.  
8+95 GV 2' RT  
8+94 KH 9' LT

6" RT 36' I.P.

8+55 WM

8+57 WM

7+64 7' RT. SEW MH

6+975 GV 2' RT  
6+975 WM

6+135 WM

5+31 GV 2' RT  
5+31 WM

5+20 7' RT SEW MH

5+95 WM

26'  
30'

April 6 1932

43

CAMINO DE LA COSTA.  
 E PROFILE  
 PROPOSED 6" WATER

BM	2.74	37.35	34.61	Top F.H. Newly Cor. (Avenida Cortez, Camino Costa, (FD 1645 pg 10, City Engr.)
0+00			5.50 31.85	0-055 G.V. 00.4
0+25			5.14 32.21	0-055 F.H. 85 LT.
0+50			5.00 32.35	
	Rim		5.28 32.07	} SEW.M.H. 9' RT. 0+55
	Inv. 10" Sew.		11.02 26.33	
0+75			5.22 32.13	
1+00	P.C.C.		5.65 31.70	
1+25			6.05 31.30	
1+50	P.R.C.		5.93 31.42	
1+75			5.78 31.57	
	Rim		5.50 31.85	} SEW.M.H. 9' RT. 2+20
	Inv. 10" Sew.		12.40 24.95	
2+00			5.66 31.69	
2+25	F.C.		5.56 31.79	
2+50			5.45 31.90	
3+00			5.18 32.17	
3+50			4.95 32.40	
3+93 <sup>04</sup>	B.C.		4.85 32.50	
4+00		5.52 38.39	4.48 32.87	4' LT. 4' LT. B.C.
4+50			5.90 32.49	
5+50			5.70 32.69	

4/6/52

44

CAMINO DE LA COSTA  
(Cont'd)

38.39

5+00		5.33	33.06	} Sew MH 7' RT 5+20
	Rim	5.26	33.13	
	Inv. 10"	5.10	33.29	

5+50		5.25	33.10
------	--	------	-------

6+00		5.13	33.26
------	--	------	-------

6+50		5.25	33.14
------	--	------	-------

7+00		5.72	32.67
------	--	------	-------

7+50		6.65	31.74	} Sew MH 7' RT 7+60
	Rim	6.75	31.64	
	Inv.	16.35	22.04	

8+00		7.79	30.60
------	--	------	-------

8+50		9.13	29.26
------	--	------	-------

8+98'5" EC		10.19	28.20
------------	--	-------	-------

9+00		10.17	28.22
------	--	-------	-------

9+19 X PT		9.83	28.56
-----------	--	------	-------

11	6.70	37.89	7.20	31.19	} Sew MH 8' RT 10+05	Top FH Tang 8+98'5" - 9+19 extended
		Rim	11.93	25.96		
		Inv. 8"	17.03	20.86		

9+50		7.75	30.14
------	--	------	-------

9+83 X PT		7.00	30.89
-----------	--	------	-------

10+06		4.95	32.94
-------	--	------	-------

11	12.80	50.42	0.27	37.62
----	-------	-------	------	-------



4/6/54

45

CAMINO DE LA COSTA  
(Cont'd)

50.42

TP

10.85

61.12

0.15

50.27

CK TP

3.69 57.43 = 57.42

LET. CT. Lot  $\frac{6}{2}$  So. Side Between La Mesa & La Cresta  
(F13 1645 109.6)



4/21/52

47

ALBEMARLE ST.  
HOPKINS TO WESTWOOD  
& PROFILE PROPOSED WATER

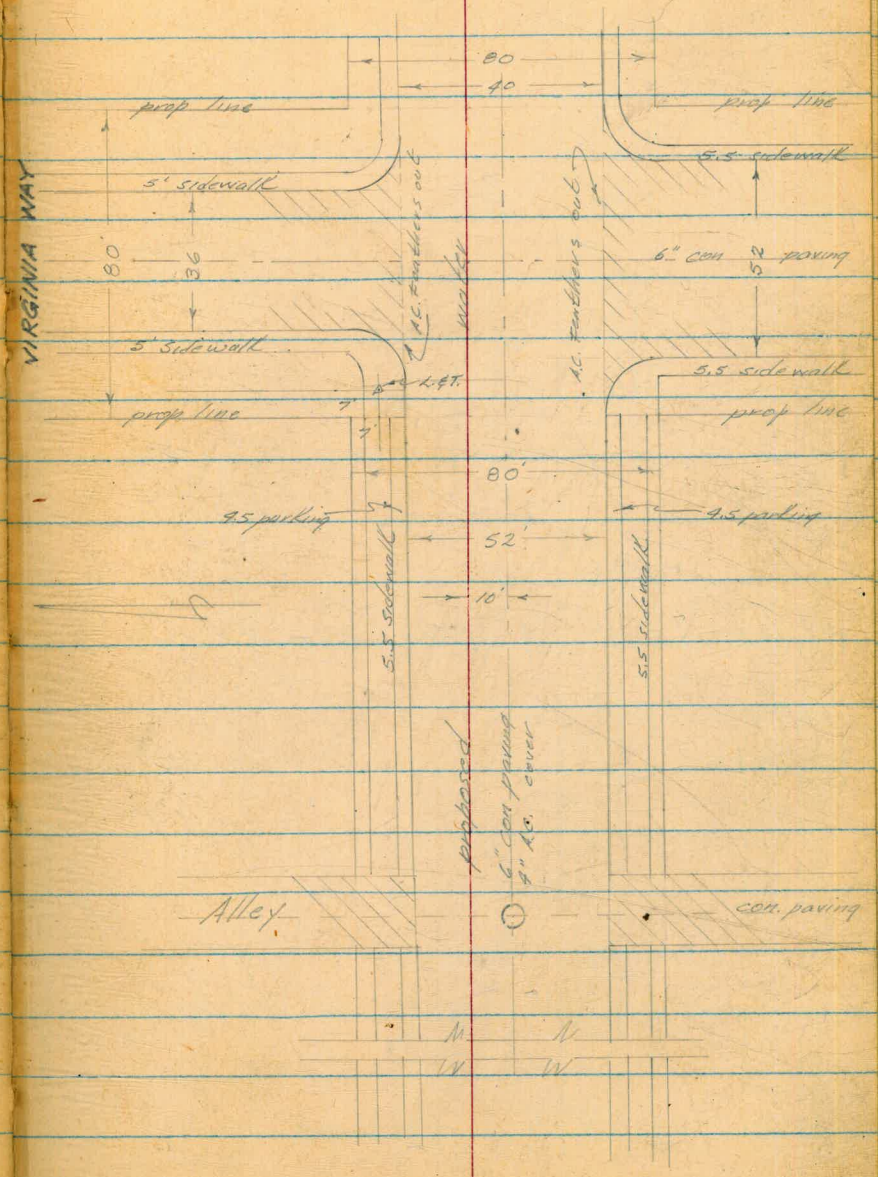
BM.	0.84	183.21	182.37	
0+00	=	Fl. grade line Hopkins St.	3.29	179.92
	Rim.	2.01	181.20	} Sew. MH 175 R.F. 0+30
	104.10"	6.55	176.66	
0+50		1.63	181.58	
0+64 <sup>86</sup>	B.C.	1.48	181.73	
1+00		1.41	181.80	
1+50		2.46	180.75	
2+00		4.65	178.56	
2+50		7.20	176.01	
3+00		9.62	173.59	
3+50		11.83	171.38	
3+53		11.94	171.27	
CK BM.	0.84	182.37	= 182.37	

S.W. D.P. Albemarle &amp; Hopkins F.B. 2092-29

Profile Proposed Water on  
Prospect St., Torrey Pines Rd  
to Virginia Way

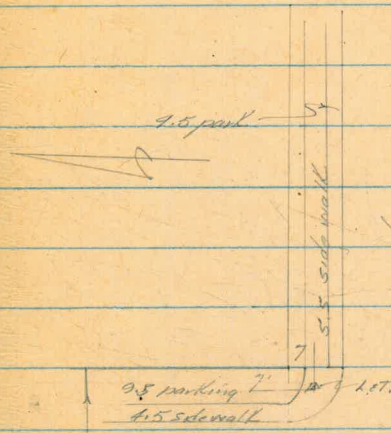
0+00	Full Virginia Way
0+40	" " "
0+80	W/I Virginia Way
2+19	Edge of Alley
2+29	Sewer M.H. (covered)
2+39	Edge of Alley

Wert  
Lemp  
Kellhoffer  
9-8-54 48



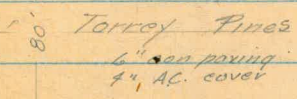
3+78.70

E/L Torrey Pines Rd.



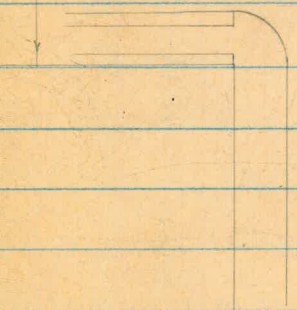
4+18.70

E Torrey Pines Rd.



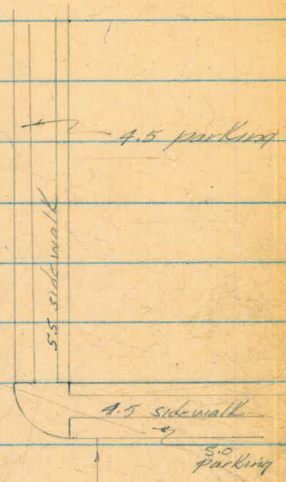
4+58.70

W/L Torrey Pines Rd.

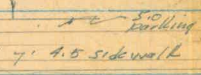


Proposed

Proposed



Road



152.65

L. & T. SE. 7<sup>th</sup> Torrey Pines Rd & Prospect

12.13 164.78

0.12 164.66

12.67 177.53

0.51 177.02

13.02 190.04

0.31 189.73

2.48 192.21

0+00

0.3

191.9

E/L Virginia Way

+13

0.9

191.3

E curb line (South) Virginia Way

+20

1.2

191.0

E curb line (North)

+40

1.8

190.4

of Virginia Way

+50

2.2

190.0

+56

2.5

189.7

W curb line (North)

+65

2.8

189.4

W curb line (South)

+79

3.5

188.7

G.N. 1<sup>st</sup> Bl.

+100

5.6

186.6

+50

12.1

180.1

Reduced by Rocky, 8/24/55

	192.21		
T.P.		13.22	178.99
	0.49		179.48
2+00		5.8	173.7
+28		9.2	170.3
+28		8.7	
+50		14.9	167.6
T.P.		11.72	167.76
	0.41		168.17
3+00		6.5	161.7
+50		12.2	156.0
T.P.		13.05	155.12
	5.02		160.14
3+73.75		7.0	
+92.70		7.8	152.3
4+00		8.1	152.0
+19		8.6	151.5

Sewer crossing

Sewer M.H. 10' 1/2"

6.4' 1" Pl.

E curb line Torrey Pines Rd

E Torrey Pines Rd

160.14

4+45

10.3

149.8

W. curb line Torrey Pines Rd.

4+58.70

10.4

149.7

W. prop line Torrey Pines Rd., 6V. 2. 11'

7.49 152.65

L&amp;T S.W. corner Torrey Pines &amp; Prospect



Profile Proposed Water on  
Tennyson St. Rosecranes  
to Evergreen

0100

F/H Rosecranes, wire fence

1473

Sewer M.H.

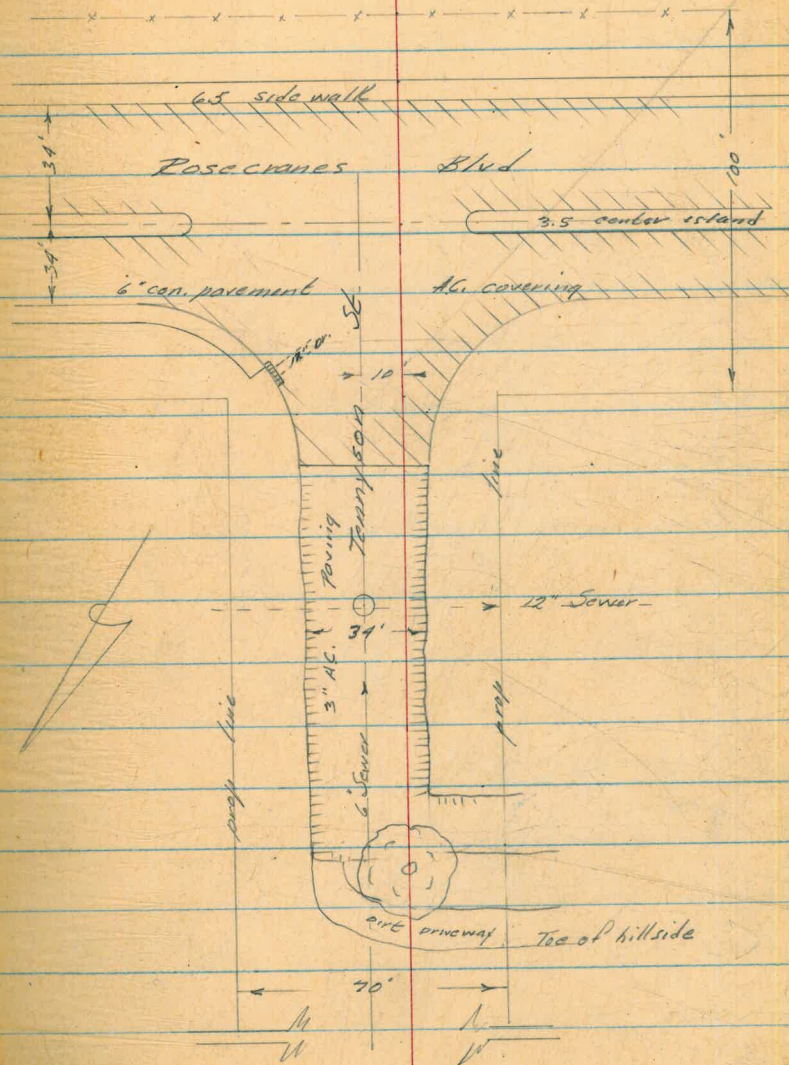
3427

6" tree on line (Paper)

West  
Camp  
Kellhoffer

53

9-10-54



4100 E/H Locust

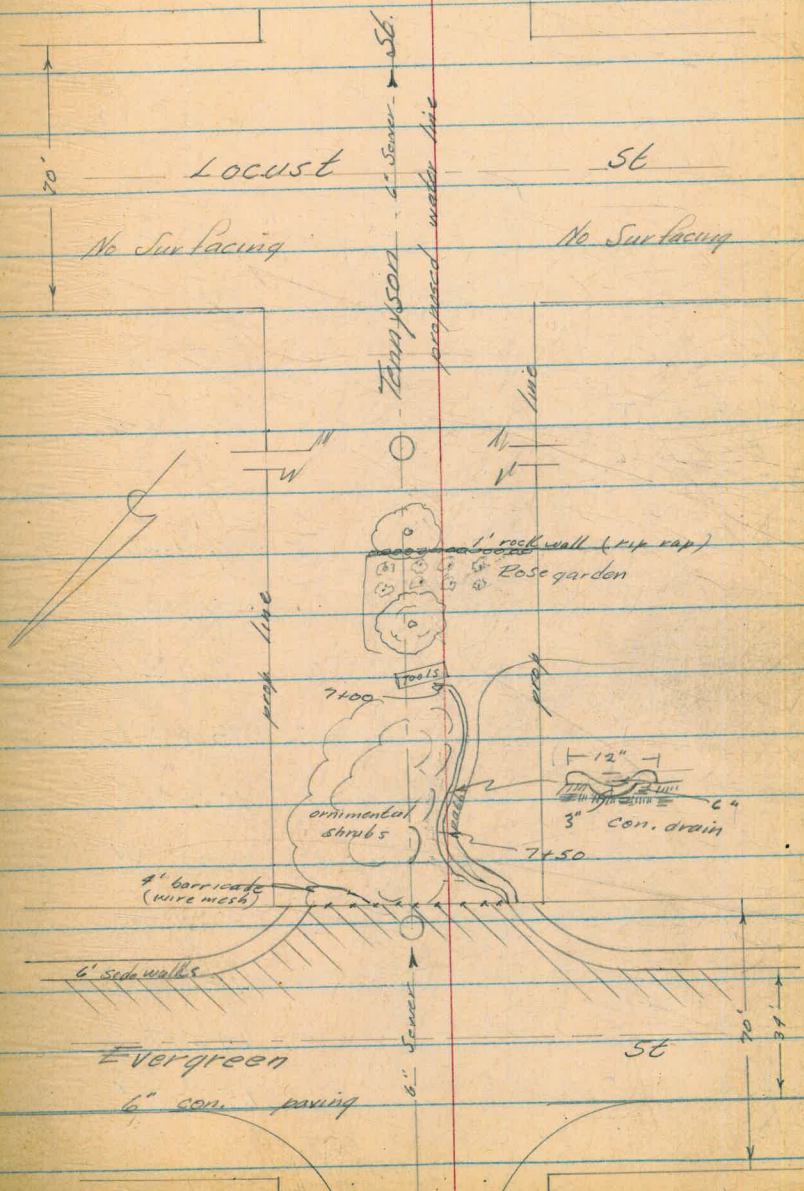
4170 W/H of Locust

5173 Sewer M.H.

(ornamental)  
4" fruit tree on line

(ornamental)  
6" fruit tree on line

7170 E/H of Evergreen



		5.54	
	4.45	2.99	✓
		4.38	5.61 W
	6.53	12.14	N
0+00		4.0	8.14 ✓
+14		9.6	7.54 ✓
+14		5.0	7.14 ✓
+78		4.4	7.74 ✓
+82		4.9	7.24 ✓
+93		5.0	7.14 ✓
+25		3.5	8.64 ✓
+43		1.5	10.64 ✓
T.P.		0.25	11.89 W
	12.69	24.58	N
+73		10.38	14.20 ✓
+73		10.9	14.18 ✓
+93		8.8	15.78 ✓

S.W. 7' BP, Rosecranes &amp; Russell

E/H Rosecranes

Top east curb

Bot " "

E Rosecranes

West curb line

Start 3" A.C. paving

Sewer M.H. 10' R/L 10.5 to Flow

Sewer crossing

29.58 <sup>1</sup>

2+93 3.6 20.98 <sup>v</sup>

T.P. 0.12 24.96 <sup>v</sup>

13.32 37.78 <sup>11</sup>

2+93 9.3 28.48 <sup>v</sup>

3+17 6.1 31.68 <sup>v</sup>

T.P. 0.03 37.75 <sup>v</sup>

12.53 50.28 <sup>11</sup>

3+27 11.4 38.88 <sup>v</sup>

3+43 10.7 39.58 <sup>v</sup>

3+53

T.P. 1.26 48.32 <sup>v</sup>

12.82 61.14 <sup>11</sup>

3+79.81 11.2 49.94 <sup>v</sup>

3+89 10.1 51.04 <sup>err.</sup>  
50.04

3+93 8.3 52.84 <sup>v</sup>

T.P. 0.60 60.54 <sup>v</sup>

12.39 72.93 <sup>11</sup>

Toe slope

Top slope

E edge of driveway

Toe of Hillside, W edge of drive way

72.93

4+25.71 5.1 67.83 ✓

T.P. 1.03 71.90 W

13.20 85.10 W

4+43 10.1 75.00 ✓

T.P. 1.61 83.49 W

13.04 96.53 W

4+79.52 7.8 88.73 ✓  
104.83 CFW

T.P. 2.45 94.08 W

11.91 105.99 W

T.P. 1.48 104.51 W

12.22 116.73 W

5+18.92 7.8 108.93 ✓

T.P. 0.92 115.81 W

12.76 128.57 W

T.P. 0.14 128.43 W

9.19 137.62 W

5+66 7.8 127.82 ✓

	137.62 ✓		
5+73		7.19	130.43 ✓
T.P.		7.19	130.93 ✓
	12.46		142.89 ✓
5+95		2.3	140.59 ✓
6+04		1.7	141.19 ✓
T.P.		11.7	141.72 ✓
	12.34		154.06 ✓
6+08		10.3	143.7 <del>8</del> <sup>6</sup> ✓
6+12.34		2.8	144.26 ✓
T.P.		0.28	153.78 ✓
	11.00		164.78 ✓
6+36.27		11.4	153.38 ✓
6+49		10.8	153.98 ✓
6+75		2.3	162.48 ✓
6+87.56		0.9	163.88 ✓
T.P.		0.47	164.31 ✓
	8.24		172.55 ✓

Sewer Mth. 10' Pl 5.4 to flow

Bottom of terrace

Top of terrace

1/4 rap wall 1' high east edge rose garden

Corner of 5'x9'x12' tool box on line

172.55 ✓

7+00

6.0 166.55 ✓

End of 1' x 6" con drain

T.P.

1.15 171.40 ✓

12.04 183.44 ✓

7+50

6.4 177.04 ✓

7+70

3.2 180.24 ✓

E/L of Evergreen

T.P.

1.77 181.67 ✓

3.52 185.19 ✓

7+75

4.74 180.45 ✓

Sewer M.H. 10' RL 5.5 to flow

8+05

3.0 181.59 ✓

E Evergreen St

8+30

2.6 182.59 ✓

Gas crossing M.H. 15' RL.

8+40

2.1 183.09 ✓

W/L Evergreen

T.P.

10.68 174.51 ✓

2.40 176.91 ✓

9.32 167.59 ✓

T.B.M. Sewer M.H. &amp; Uddall, 10 E on

Evergreen = 167.62

TENNYSON ST.  
ROSECRANS to EVERGREEN  
⑤ STR. & GRDS for Construction  
8" A.C. MAIN.

H.I.

JAN. 25 1933

BRATT  
SHERREY  
MARTELL

60

B.M.									
623		11.77		05.54	8.11			SW 7'	ROSECRANS & RUSSELL (from pp. 55)
1436	FH TEE		2.2	9.6	04.84	C4 <sup>B</sup> ±	09.8		Existing ground line ± pipe
1437	⑤ FH		2.1	9.7	09.9	C4 <sup>B</sup> ±			to ENL FO <sup>2</sup> Flange
	12.50	23.43	0.90	10.87					
1450			12.2	11.2	06.7	C4 <sup>B</sup>	12.0		
2400			7.2	16.2	12.2	C4 <sup>B</sup>	10		
2450			1.5	22.9	17.7	C4 <sup>B</sup>	14		
	12.53	35.57	0.39	23.04					
3400			6.1	29.5	25.0	C4 <sup>B</sup>	49.5		
	12.79	48.03	0.33	35.27					
3425			12.6	35.4	30.0	C4 <sup>B</sup>	35.5		
							12.5		
3450			8.6	39.4	36.7	C2 <sup>7</sup>	39.4		
	12.51	60.47	0.07	47.96					
4400	11 1/4 Road		5.3	55.2	50.0	C5 <sup>2</sup>	55.4		
	13.22	72.82	0.87	59.60					
4425			5.9	66.9	60.8	C6 <sup>1</sup>	67.1		
	13.06	85.01	0.87	71.95			57		
4450			6.4	78.6	72.4	C6 <sup>2</sup>	78.5		
	13.11	97.43	0.69	84.32					
4470	8" G.V.		10.4	87.4	81.3	C6 <sup>1</sup>	87.3		
	13.16	109.54	1.05	96.38					
5400			9.0	100.5	94.7	C5 <sup>8</sup>	100.7		
	13.26	122.38	0.42	109.12					
5450			0.85	121.53	115.8	C6 <sup>4</sup>	122.7		
	13.72	134.25	12.1	122.2					
5475			3.2	131.1	126.3	C4 <sup>8</sup>	130.9		
							34		
1302	146.76		0.54	133.74					
									122.26 6.53 115.85



TENNYSON ST  
(Cont'd.)

1/25/55

146.76

6+00			6.4	140.4	136.8	C36		60
4)	12.33	158.65	0.24	146.32	142.6	C37	C53	
6+25		<del>116 Bond</del>	10.8	147.9	143.6	C35	C43	147
					148.6	C55		
6+50			4.6	152.1	150.2	C27		45
9)	13.12	171.65	0.12	158.53	154.2	C43	C83	
6+75			9.2	162.5	157.8	C47		70
					159.7	C68		
7+00			5.2	166.5	162.3	C41		53
P)					165.1	C65		
7+25	13.35	184.98	0.02	171.63	167.0	C16		00
					170.6	C68		
7+50			7.6	177.4	171.8	C58		78
7+69.3								
7+70	End of work		4.8	180.2	175.5	C47		48
			4.47	180.51 = 180.45				

Rim sew 10' RT 7+75

8+60 G.V. City  
8+65 F.H. TEE

64 23.43

2+31 Nly			2.4	21.0	19.2	C18		3022 Tennyson
	35.57							
2+91 Nly			6.8	28.8	28.5	C03		3030 "
3+14 Sly			4.8	30.8	30.8	C02		3035 "
	48.03							
3+50 Sly			8.4	39.6	39.5	C01		3045 "
4+70 Nly			8.6	88.8		C02		3115 "
	92.43							
7+28 Nly			11.2	173.8	174.5	F03		2111 Evergreen
	184.98							
7+50 Sly			7.6	177.4	177.0	C04		2075 "
	184.98							

RUSSELL ST.  
WILLOW TO EVERGREEN  
⑤ STRS & GRDS FOR CONSTRUCTION.  
6" A.C. MAIN

1/26/35  
BLATTY  
SHOLEY  
MARTELL

BM	0.97	162.30	161.33	
0+70	GN. BY CITY	1.9	160.4	157.0 <sup>+</sup>
1+00		2.0	159.6	155.0
1+25		3.9	158.4	153.00
1+50		4.1	153.9	150.20
1+75		4.9	150.8	147.40
P 2+00	0.23	149.22	133.1	148.99 149.0
2+25		3.1	140.1	140.0
2+50		10.3	138.9	133.0 135.0
P 2+75	0.11	136.14	13.19	136.03
	22 1/2° BEND	3.6	132.5	126.0
3+00		9.0	127.1	120.4 123.5
P 3+50	0.10	125.13	11.11	125.03
	11 1/2° BEND	6.2	118.9	112.0 117.6
3+75		10.7	114.4	108.0
P 4+00	0.52	112.41	13.24	111.89 100.5
4+15		6.1	106.3	100.0
4+15	2" B.O.	10.9	101.5	95.8 101.0
4+15	2.89	103.65	11.65	100.76
OK 50W MH		6.50	97.15	= 97.2
OK 10		7.20	96.45	= 96.46
WATER METS				
3+05 SH		4.1	126.14	7.8 128.3

S.W. BR. WILLOW & RUSSELL (FROM F.B. 868 pg. 17)			
100.2	21	Existing Ground Line 2" pipe	161.33 -0.74 Hi 162.07
75	3.3	2.5	159.6
41	156.1 6.0	5.7	152.4
72	153.9 8.2	8.2	139.9
77	151.1 11.0	11.3	130.8
122.5	129.4 12.7	13.1	129.0
125	125.2 4.5	3.6	126.1
125.2	136.2 13.0	10.8	136.9
130.5	5.6	5.4	132.5
125.3	12	10.7	127.15
117.1	8.0		
104.0	8.0		
99.6	12.8		

1/26/55

63

EVERGREEN ST.  
 LOWELL to MACAULAY  
 (5) STRS & GRDS For Construction.  
 6" A.C. MAIN.

BM 283 <sup>31.95</sup>~~28.75~~ <sup>29.12</sup>~~25.30~~ SW B.P. LOWELL & EVERGREEN

0405 (Tapping gate, City) 5.68 ~~22.45~~ 26.23 21.8 C44 + 553

0468 6.0 ~~22.4~~ 26.0 22.1 C39 55

0492 FH TEE 5.7 ~~22.4~~ 26.3 22.4 C39 56

(5) FH 5.7 ~~22.4~~ 26.3 26.3 C02 C39

1400 5.7 ~~22.4~~ 26.3 22.5 C38 55

1450 5.6 ~~22.5~~ 26.4 22.9 C35 55

2400 5.4 ~~22.7~~ 26.6 23.3 C33 58

2450 5.2 ~~22.9~~ 26.8 23.9 C29 47

~~2493~~ <sup>65</sup>  
~~2491~~ 4.1 ~~24.0~~ 27.9 24.4 C35 391

2496 (6x6 TEE) ~~2498~~ <sup>65</sup> 4.1 ~~24.0~~ 27.9 24.4 C35 408

~~2401~~  
~~3403~~ <sup>65</sup> 4.1 ~~24.0~~ 27.9 24.4 C35 408

3426 (END) 5.00 ~~23.4~~ 27.0 24.0 C30 435

~~3428~~ <sup>65</sup> - 30' RT. 2490 2.80 40.67 = 2067 SE L & Disc Newell & Evergreen.

FP 11.87 43.47 0.35 31.60

CK BM 2.80 40.67 = 2067

WATER METS

1449 EIV <sup>4i</sup> <sup>31.95</sup>~~28.75~~ 5.5 ~~22.6~~ 26.5 26.8 F03

2409 WIV 5.3 ~~23.0~~ 26.7 28.7 F20

2425 EIV 5.2 ~~22.9~~ 26.8 27.6 F08

2434 WIV 5.0 ~~23.1~~ 27.0 29.0 F22

2476.5 EIV 4.8 ~~23.3~~ 27.2 28.0 F08

2478 EIV 4.8 ~~23.3~~ 27.2 28.0 F08

1/26/55

64

QUIMBY ST.  
WILLOW ST. to WILLOW LANE  
5 STRS & GRDS. for CONSTRUCTION  
6" A.C. MAIN.

BM	0.85	174.05		173.20		SW B.P. QUIMBY & WILLOW		
0+70	GN. CITY		2.6	171.5	168.0 <sup>+</sup>	C35 <sup>+</sup>	171.6	Existing ground line & pipe
1+00			4.2	169.9	165.6	C42	49	
1+25			6.1	168.0	163.6	C44	69	
1+50			9.1	165.0	161.2	C38	92	
1+ <sup>30</sup> 70		2.82 163.64	13.23	160.82				
2+00			3.6	160.0	154.6	C54	36	
2+25	6" TEE		5.6	158.0	152.4	C56	56	
2+ <sup>30</sup> 33	B.O.		5.7	157.9	151.7	C62	57	
P CK BM		10.51 173.62	0.52	163.11				
			0.44	173.18 = 173.20				
WATER METS								
1+18	5/4	174.1	4.5	169.6	168.3	C13		
1+47	N/4	"	8.4	165.7	165.6	C01		
1+80	N/4	"	10.7	163.4	161.5	C19		
2+2	5/4	163.6	5.9	157.7	155.7	C20		
2+	5/4				155.7			

LOCATION 6" C.I.  
IN LOT N<sup>o</sup> 9 LOMA VALLEY  
GAGE DR. AT JENNINGS ST.

May 20 1955

Bosby  
Shelley  
Narrell

NY

65

JENNINGS

213580 35 LT 30W. M.H.

2408 FACE CURB

10

148513 CONC. MAN (CITY ENGR)

147322 2" I.P.

12-14 CUT

1435

PIPE EXPOSED

YARD LEVEL

1400

PIPE  
35 DEEP  
CUT

146037 2" I.P.

GAGE DR

0418 GV. 122 LT

DISC. 0400

HORTENSIA & JUAN PLACE  
FROM  
JUAN ST. TO JUAN ST.  
PROPOSED WATER MAIN REPLAC'MT.

(SEE ALSO PG 14)

2+95<sup>30</sup> BC.

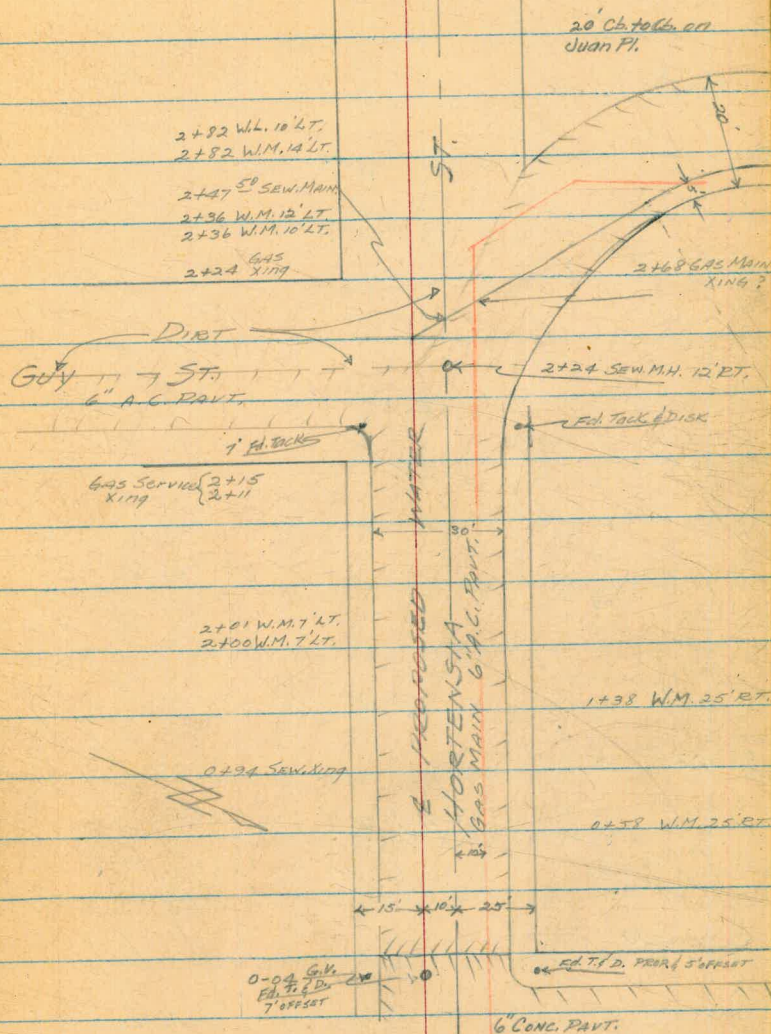
2+34.77 X PT  $\Delta = 60^{\circ}37'30''$  RT

2+24.77 & GUY ST.

0+00 = WLY. PROP. LINE JUAN ST.

May 26 1955  
DEATTY  
SHOEN  
MAETEL  
KELLHOFER

66



JUAN PLACE  
(Cont'd)

5/26/55  
SHOREY  
MARTEL  
KELLHOFER

67

5+50<sup>37</sup> EC.

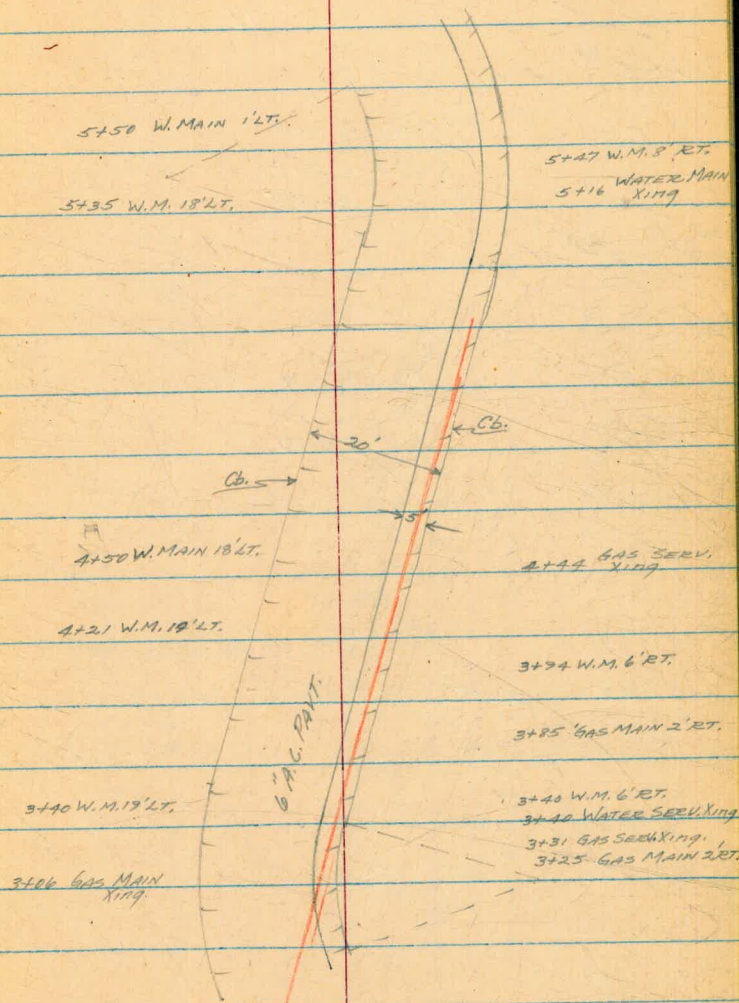
$\Delta = 16^{\circ}34'$  LT.  
R. = 270.  
T = 39.31  
L = 78.07

4+72<sup>30</sup> B.C.

3+47<sup>40</sup> E.C.

$\Delta = 44^{\circ}58'$  RT.  
R. = 66.  
L. = 51.80  
T = 27.32' *etc*

2+95<sup>30</sup> BC







JUAN PL.  
(CONT'D)

5/27/55  
SHOREY  
MARTEL  
KELLHOFER

69.

9+67<sup>E</sup> E JUAN ST.

9+53<sup>Z</sup> G.V. 1<sup>S</sup> RT.

9+42<sup>50</sup> WLY PROP. LINE JUAN ST.

6" CONC. PAVT.

618.59'

1171' @

9+46.51 *renewed  
by Shorey.*

5' SIDEWALK  
PROP. LINE

6" A.C. PAVT.

5'

JUAN PL.  
(CONT'D)

5/27/55  
SHOREY  
MARTEL  
KELLHOFER

40

BM.	2.12	222.21		220.09
0+04 G.V. IN CONC. PAVT.			0.73	221.5
0+00 EDGE CONC. PAVT. & AC. PAVT.			0.90	221.3
0+50			7.82	214.4
TP	0.05	209.02	13.24	208.97
1+00			2.40	206.6
1+50			9.30	199.7
TP	10.10	205.99	13.23	195.89
2+00			10.60	195.4
			{ 11.18	
			{ 17.4	
2+34 <sup>72</sup> Δ PT. 60° 37' 30" RT.			11.23	194.76
2+50			10.66	195.33
2+95 <sup>30</sup> B.C.			7.37	198.62
3+00			6.90	199.09
3+25			4.07	201.92
3+47 <sup>10</sup> E.C.			1.70	204.29
3+50			1.39	204.60
TP	6.41	212.17	0.23	205.76
4+00			4.70	207.47
4+50			4.25	207.92
4+72 <sup>30</sup> B.C.			4.06	208.11
5+00			4.02	208.15
5+25			4.17	208.0

Reduced by J. Gray  
12-7-55

B.P. NWLY COR. JUAN ST. & HORTENSIA ST.

L.S. TAG NELY COR. GUY ST. & HORTENSIA

{ TOP SEW. M.H. 2+24. 11' RT.  
{ TO F.L.

JUAN PL.  
(CONT'D)

5/27/55  
SHOREY  
MARTEL  
KELLHOFER

71

212.17

5+50<sup>37</sup> E.C. 4.36 207.81

5+71<sup>47</sup> & PT. 8°04' ET 4.49 207.68

6+00 4.86 207.31

6+33<sup>21</sup> 2 PT. 12°09' ET 5.62 206.55

6+50 6.95 205.22

6+82<sup>19</sup> B.C. 11.06

7+00 13.11  
TP 0.59 199.88 12.88 199.29

7+25 2.88

7+50 4.24

7+58<sup>28</sup> P.C.C. 4.65

7+75 5.48

7+95<sup>17</sup> E.C. 6.52

8+50 9.37

9+00 11.73  
TP 3.52 191.56 11.84 188.04

9+42<sup>5</sup> WLY PROP. LINE 6.18

9+50 6.50

9+53<sup>3</sup> 6.71

9+58 WATER MAIN XING 6.73

9+67<sup>5</sup> E JUAN ST. 6.78

JUAN PL.  
(CONT'D)

5/27/55  
SHOREY  
MARTEL  
KELLHOFER

72

191.56

TP 13.29 204.75 0.10 191.46

TP 13.24 217.90 0.09 204.66

TP 9.71 226.17 1.44 216.46

CK, B.M. 6.06 220.11 = 220.09

GUY ST Hortensia St

to Witherby St (closed)

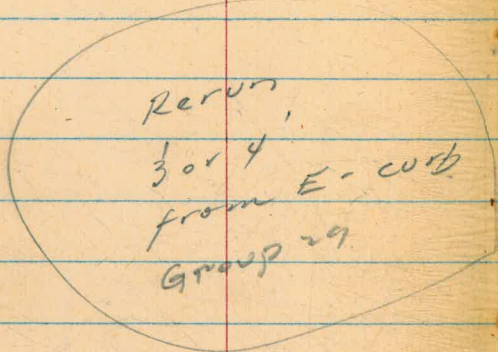
Palto Group 29

See also page 66

NOTE: LAWN HAS  
LAWN SPRINKLER SYSTEM

NOTE: REVISED LOCATION  
PROPOSED WATER MAIN

2+00 POT



0+50 POT

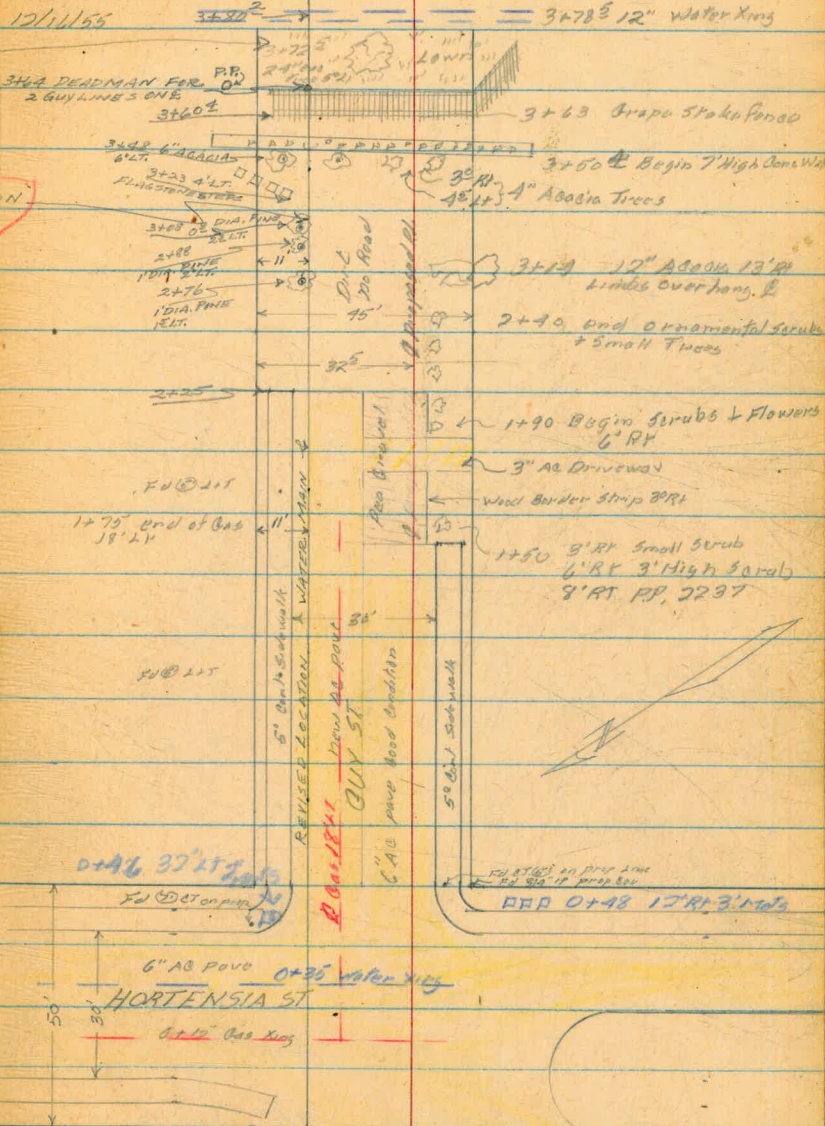
Fly prop line Hortensia St

0+00

Line Hortensia St  
prolongation of Wetherby Prop

West  
Williams  
Veronakis  
Kellhofer

73



June  
1955

Day 51 & profile

see page 70

1.5 Tag NELY Cor. End + Hortensea St

Top sidewalk w/ty prolongation Hortensea

Top Ob

Bot Ob

End AC begin pea Gravel Area

4.0	3.3
10' Lt	8' Rt

Begin AC Driveway

End AC Driveway Begin Pea Gravel

End AC PAVK 10' Lt <sup>on &</sup> end Pea Gravel

5.9	6.9
10' Lt	10' Rt

2.1	6.7
10' Lt	10' Rt

+1.5	2.5
10' Lt	10' Rt

Base of 7' High Concrete Retaining Wall

8.16 204.35 195.89

0+00 8.54

0+05.5 8.72

0+05.5 9.12

0+25 9.33

0+50 9.26

1+00 7.49

+44 4.94

1+50 3.4

+72 1.9

+88 0.8

12.24 215.88 0.71 203.64

2+00 11.0

+26 7.68

+50 6.2

+83 4.9

3+00 0.4

13.00 228.46 0.42 215.46

3+50 1.6

29

728.46

12.99 241.06 0.39 228.07

4.65 245.03 0.68 240.38

3+63 6.2

3+66

3+72<sup>5</sup> 5.6

4+00

12.22 253.19 4.06 240.93

13.16 266.04 0.31 262.88

4.01 265.44 4.61 261.43

4.40 261.04 = 261.02 BP NE cor Sunset &amp; Witherby

Top of Slope Crude Stake Fence 4' High

Begin Lawn &amp; small private Golf course

5<sup>3</sup> ft to 21" Dia Euc Trees

beginning of large stucco House

GUY ST.  
 & PROFILE & CROSS SECTION OF  
 REVISED LOCATION PROPOSED  
 WATER MAIN - SEE SKETCH Pg. 73

1-18-56  
 SHREY  
 MARTELL  
 KEMP  
 SMITH

L.S. TAG. NELY COR. GUY & HORTENSIA (SEE PAGES 70 & 74)

TBM	11.78	207.67	195.89
0+00		10.3	197.37
0+10	TOP CB	12.1	195.57
0+10	GUTTER	12.7	195.0
0+40	GUTTER LINE	12.5	195.17
0+50		12.3	195.37
1+00		10.5	197.17
1+50		7.4	200.27
2+00		2.5	205.17

Reduced by J Gray 1-19-55

TP	13.28	220.73	0.22	207.45
2+25	END A.C. PAV'T	12.5		208.23
2+28		10.5		210.23
2+50		8.6		212.13
2+64		7.1		213.63
2+75		4.3		216.43
3+00		1.5		219.23

TP	13.18	233.59	0.32	220.41
3+30			9.2	224.39
3+50			5.3	228.29

LT	RT
10.7 11	12.2 8
8.3 11	12.5 10
7.0 11	11.1 5
	12.2 7
	12.4 10
	9.0 4
	10.6 10
10.7 11	3.3 6
	3.5 10
6.1 11	8.0 10
6.2 7	10.8 10
	6 BOTT. WALL TOP RUBBLE WALL
3.3 11	7.3 10



GUY ST.  
(CONT'D)

75

TP	233.59			
3+50 <sup>4</sup> BASE CONC WALL	5.3		228.79	
TP	12.46	245.43	0.62	232.97
3+50 <sup>4</sup> TOP CONC WALL	10.1			235.23
3+60 <sup>4</sup> TOP SLOPE @ FENCE	6.1			239.33
3+80 <sup>3</sup> INST. 12" C.I.	5.3			240.13
CK, TP	1.47	240.96	=	240.97

LT

RT

5.7

"

5.0

"

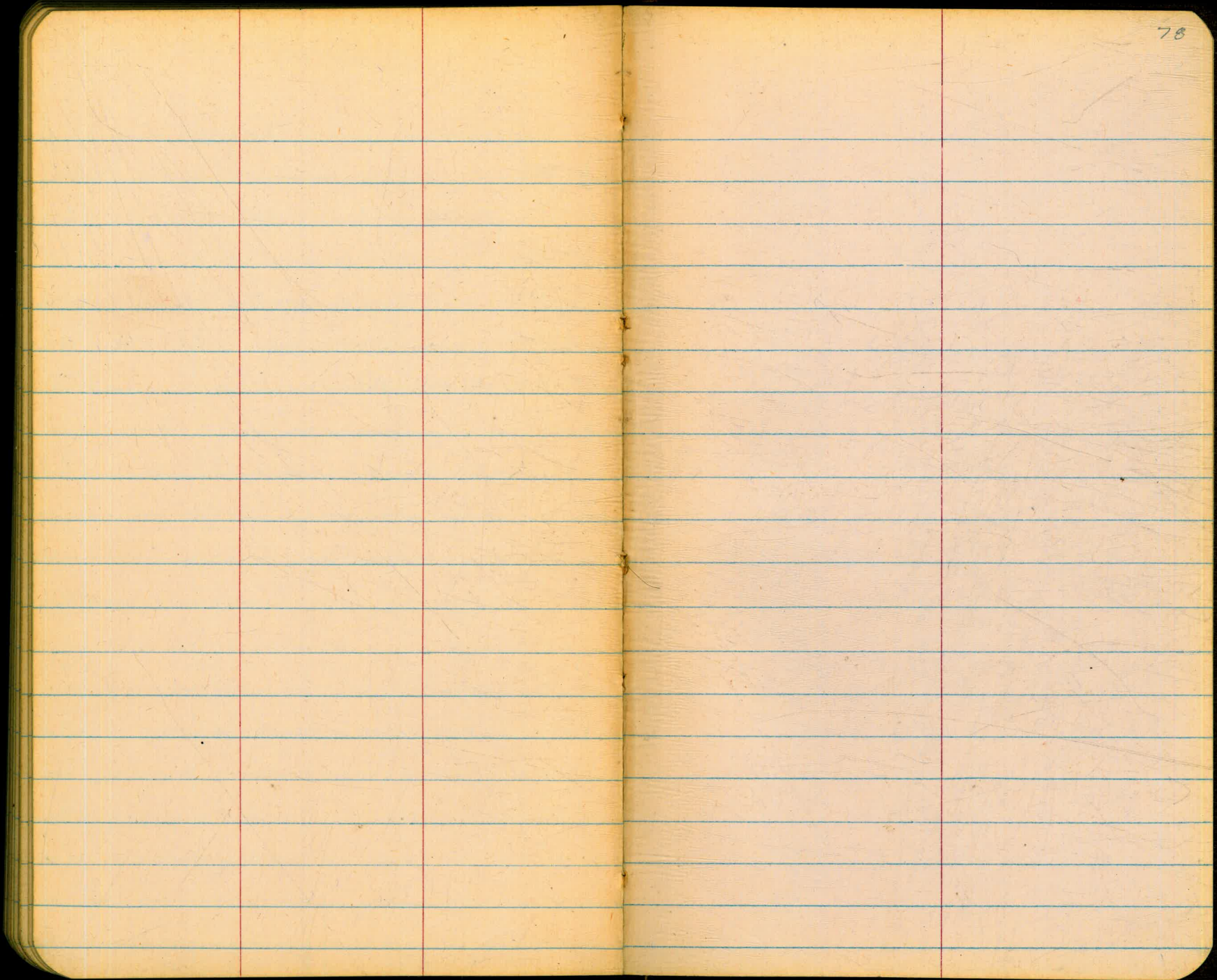
6.5

"

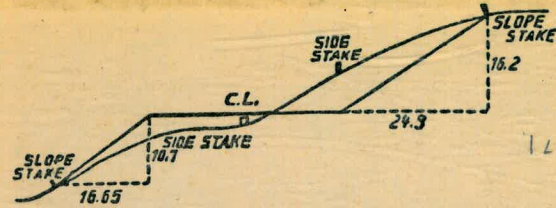
5.6

"

PG. 75



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



**DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.**

**SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.**

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

3.24  
 33  
 1640  
 984  
 114.80

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