

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 out 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.

MICROFILMED  
 JAN 16 1965

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

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

FOR TANGENTS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.03	.06	.09	.13	.16	.19	.22	.25	.28	.31	.34	.38	.42	.46
15°	.04	.10	.14	.19	.24	.29	.34	.39	.45	.51	.53	.58	.63	.68
20°	.06	.13	.19	.26	.32	.39	.45	.51	.58	.65	.72	.79	.84	.90
25°	.08	.16	.24	.33	.40	.49	.58	.67	.75	.83	.90	.99	1.06	1.14
30°	.10	.19	.29	.39	.49	.59	.69	.79	.89	.99	1.09	1.20	1.29	1.39
35°	.11	.22	.34	.47	.58	.69	.79	.89	.99	1.09	1.20	1.29	1.42	1.51
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	.036	.043	.049	.053	.057	.061
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.771	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.266	.353	.440	.528	.617	.707	.797	.887	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	3.63	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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Misc. Details INGLAW & SCOTT

Alice  
76

BEVERLY ST.

MAY 29, 1952

2.

BETTY  
Perrell  
Varonfakis

ROSWELL TO LENNOX

④ STR'S & GRDS FOR { 8" MAIN  
6" MAIN

DM	9.47	269.35		259.88		Conc Mon SW Cor 56 & Roswell
0+00	So Prop Line Roswell					
0+25		(Begin. Work)	6.10	263.3	259.5	C38
0+50			5.6	263.8	260.4	C3A
0+68 <sup>6</sup>	} RT & TO Conc Mon Interstn of prop lines SE Cor Roswell & Beverly		4.9	264.5	260.8	C37
1+00			3.4	266.0	261.7	C23
+50			1.1	268.3	263.1	C52
+75			0.7	268.7	263.8	C49
2+00			0.8	268.6	263.7	C49
+50			1.1	268.3	263.4	C49
3+00			1.6	267.8	263.1	C47
+50			3.8	265.6	261.3	C43
4+00	2.13	265.85	5.63	263.72	259.5	C42
+50			4.1	261.8	257.7	C41
5+00			5.8	260.1	255.9	C42
+08			6.0	259.9	255.7	C42
+33		8" TEE	6.6	259.3	254.7	C46
+37 <sup>5</sup>		GV.	6.6	259.3	254.6	C47
+50			6.9	259.0	254.2	C48
6+00			7.3	258.5	252.4	C61

5/29/52

37

263.85

6+50		7.3	258.6	253.7		C49
7+00		6.6	259.3	255.1		C42
+50		5.5	260.4	256.6		C38
8+00		4.0	261.9	257.8		C41
+50		2.6	263.3	259.2		C41
+65	F.H. Tee	2.2	263.7	259.6		C41
8+98.5	END WORK	1.4	264.5	260.4		C41
TP	6.66	270.37	2.14	263.71		
CK BM.		10.51	259.86	259.86		
	Water meters + Fire Hyd on Beverly St					
	8.0	271.76	263.72			
1+88E		3.5	268.3	268.0		C03
2+34E		3.3	268.5	268.2		C03
5+08E		10.8	259.0	259.5		F05
7+70E		11.5	260.3	260.8		F05
8+65E		9.0	262.8	262.4		F06
9+35E		8.0	263.8	264.8		F12
		4.0	267.8			
Top of 8" AC at BV	263.3	3.3	260.0			

31<sup>55</sup>  
Thorn to Redwood

West  
Kemp

6/2/52

4.

Sta	+	HI				BM BP NW cor Thorn + 31
	1.02	320.00		318.98		
6+75			0.9	319.1	316.0	Q 32
+60			1.1	318.9	315.2	Q 32
750			1.3	318.7	314.8	Q 32
+00			3.3	316.7	312.7	Q 42
5+60			4.6	315.4	311.2	Q 42
+50			4.9	315.1	310.8	Q 43
+00			6.2	313.8	309.8	Q 40
4+50			7.4	312.6	308.6	Q 40
+00			8.5	311.5	307.5	Q 42
3+50			9.6	310.4	306.7	Q 32
+10			10.6	309.4	305.7	Q 32
+00			11.0	309.0	305.5	Q 32
2+50	7.75	314.70	13.05	306.95	303.5	Q 35
2+00			9.7	305.0	301.6	Q 34
1+75			12.4	302.3	300.5	Q 18
	7.37	321.30	0.77	313.93		
			2.33	318.97	=	318.98

JUNE 10, 1952 5.

BEATTY  
POWELL  
VARONAKIS

NUTMEG ST.

FROM 32<sup>ND</sup> ST - NUTMEG PLACE

NUTMEG PLACE TO OLIVE

④ STKS & GRDS FOR 6" WATER

BM 0.86 301.99 301.13 BP SW Cor 32<sup>ND</sup> & MAPLE

1.09 289.83 13.25 288.74

0+17

0+22 Beginning of work 4.9 284.9 281.3 C36

0+50 5.6 284.2 279.9 C52

1+00 7.3 282.5 277.7 C48

+50 9.9 279.9 275.5 C44

2+00 11.9 277.9 273.3 C46

PD 2.34 278.84 13.33 276.50

+50 3.0 275.8 271.1 C47

3+00 5.8 273.0 268.1 C49

+35 FH. TEE 9.0 269.8 266.1 C37

+44<sup>67</sup> 2 PT 45° RT 9.3 269.5 265.6 C39

+50 9.6 269.2 265.3 C39

+75 10.5 268.3 264.5 C38

4+00 10.2 268.6 264.8 C38

+50 8.2 270.6 267.4 C32

+75 6.9 271.9 268.7 C32

+84.2 2 PT 44° RT 6.2 272.6 269.0 C36

PD 5+00 11.64 285.40 5.08 273.76 270.0 C38

VOID, DUE TO ALIGNMENT REVISION  
(See pg 7 for revised Notes.)

5+21

28  
26 271.2 Bottom  
8" VC SEWER



NUTMEG ST.  
Cont'd

6-10-52

6

	285.40					
5+25		9.5	275.9	270.8	C51	
+50		6.8	278.6	273.9	C47	
6+00		4.1	281.3	277.0	C43	
+50		1.6	283.8	280.1	C37	
+703		1.0	284.4	280.9	C35	
+743 ✕ PT				281.3		
+783		1.0	284.4	281.4	C30	
TD	13.08	297.42	106	284.34		
7+00			11.2	286.7	283.2	C30
+443 END WORK		7.9	289.5	286.2	C33	
IP	5.24	302.55	0.11	297.31		
OK BM		1.41	301.14	= 301.13.		

NOTE:

Additional 17' necessary from sta. 7+443 to meet existing 6" MAIN.

(2) STKS & GRDS for NAT. METS

1+70 Nor.		279.2	279.5	F03	
2+06 Nor.		277.8	277.6	C02	
2+60 Nor.		275.4	275.1	C03	
3+08 Nor.		272.8	272.7	C01	
3+35 FIRE Hydr.		271.5	270.3	C12 PL	C49 ELL
5+64 East		279.5	278.7	C08	279.6 + 5.1 - 4.3
5+85 West	OK				5.6 4.3 7.3 - 0.5 = 0.8
6+05 West	OK			Loc & grd OK	
6+93 Nor.	OK			" " "	
7+60 Nor.	OK			" " "	

NUTMEG ST  
 (4) STRS & GRDS, REVISED

JUNE 12, 1952 7.  
 Beatty  
 Powell  
 Varenjakis

P	4.67	281.17		276.50	
+50		1.4	279.8	275.5	C43
2+00		3.2	278.0	273.3	C47
+50		5.7	275.5	271.1	C44
3+00		8.3	272.9	268.1	C48
+35		11.2	270.0	266.7	C39
+48 <sup>38</sup> X PT		11.5	269.7	265.4	C43
+75		12.7	268.5	264.5	C40
4+00		12.8	268.4	264.8	C36
P	8.87	277.28	12.76	268.41	
+50		6.5	270.8	267.8	C30
+75		5.4	271.9	268.9 269.2	C30
4+89 <sup>25</sup> X PT		4.5	272.8	269.2	C36
CK P		3.52	273.76	= 273.76	

3+85<sup>5</sup> 268.4  
 265.0 Bottom  
 10" CI.

89  
 55

OGDEN ST.

WIGHTMAN TO SHILO, & Westerly  
 ④ STK.S & GRDS FOR 6" WATER  
 (W.O. 2-1388-5)

JUNE 13, 1952 8.

BETTY  
 POWELL  
 VANDERBILT

BM	6.15	360.92		354.77	
0+05			5.12	355.8	351.7 C41
0+26° & PT			5.6	355.3	351.5 C38
0+50			5.6	355.3	351.4 C39
1+00			5.2	355.7	351.2 C45
+50			5.1	355.8	351.0 C48
2+00			5.7	355.2	350.8 C44
+50			5.7	355.2	350.5 C47
3+00			5.6	355.3	350.3 C50
+50			5.9	355.0	350.0 C50
4+00	4.15	358.47	6.60	354.32	349.8 C45
+50			4.8	353.7	348.5 C54
5+00			5.3	353.2	346.8 C64
+50			6.9	351.5	344.5 C70
6+00			11.1	347.4	342.0 C54
+30			13.0	345.5	340.4 C51

SHILO ST.

JUNE 13, 1952

9.

WIGHTMAN TO OGDEN

④ STKS & GRDS FOR 6" WATER  
(W.O. 2-1389-5.)  
358.47

BM.

0+05	4.7	353.8	347.9	c59
+50	4.4	354.1	348.4	c57
1+00	3.5	355.0	348.8	c62
+50	3.8	354.7	349.2	c55
1+95 <sup>8</sup> X PT 1 1/4°	4.1	354.4	349.7	c47
2+03 6" Wye	4.2	354.3	349.8	c45
CK BM	3.69	354.78	= 354.77	

② STKS &amp; GRDS WOXMET-OGDEN

BM	4.32	359.09	354.77	
5+25 So	6.6	352.5	351.4	c11
4+64 So	5.6	353.5	353.0	c05
4+08 So	4.9	354.2	353.6	c06
3+66 So	4.2	354.9	353.8	c11
3+44 So	4.1	355.0	353.9	c12
1+93 So	3.5	355.6	352.5	c11
1+67 So	3.0	356.1	354.6	c15
0+02 So	3.4	355.7	354.4	c13

3190 opposite

SHILO Road

6-18-52

10.

359.09

1425 West	5.3	353.8	352.8	90
0494 East	4.9	354.2	352.8	91
0483 West	5.2	353.9	352.2	97

TREAT ST.  
27<sup>th</sup> to 28<sup>th</sup>  
④ STKS & GRDS FOR 6" WATER

JUNE 18 1952  
BESTY  
POWELL  
FISH

11.

STA	+ BS	HI	- FS	ELEV	GRD	
BM	11.39	168.74		157.35		OP NE 28 & E
IP	12.00	179.00	174	167.00		
IP	10.49	189.06	0.43	178.96 178.57	} Sec. of Levels next page	
	3.79	183.86 183.79	9.38	180.07 179.68		
						a Blue on Curb
0+75			7.95	175.91	172.4 173.4	c35 c35
1+00			6.0	177.9	174.1 175.2	c38
+45			3.3	180.6	177.1 178.3	c35
+70			2.4	181.5	178.0 178.9	c35
2+00			1.9	182.0	178.4	c36
+275			2.2	181.7	178.0	c37
+30	TEE					
+45	1/4° Bend		3.3	180.6	177.1 177.7	c35
+75			9.0	175.9	172.6	c33
3+00			12.1	171.8	168.4	c34
TD	0.13	172.17 171.78	11.82	171.85 172.02	172.02	
+50			8.8	163.4	160.0	c34
TD	0.21	160.49 160.10	11.89	159.84 160.28	160.28	
+100			5.7	154.8	151.5	c33
IP	0.59	148.47 148.08	12.31	147.74 148.18	148.18	
+50			2.3	146.2	143.1	c31
5+00			10.8	137.7	134.6	c31
IP	2.98	140.95 140.56	10.50	137.58 137.97	137.97	
+31			7.8	133.2	129.7	c35
64 <sup>s</sup>			7.77	133.2	129.7	San Louis + 1000
+66	TEE		9.2	131.8	129.0 128.5	c33

		<del>140.95</del> 140.50				
88 5+85	F.H. TEE		9.8	131.2	1278 +28.9	C34
<del>6+21</del>	<del>10.48</del>	<del>150.26</del>	<del>0.28</del>	<del>140.28</del>	<del>140.17</del>	
6+21			7.3	133.7	130.5	C34 1335 23
+50			3.5	137.5	134.0 +3.5	C35 1372
TP	10.28	151.15 +50.76	0.28	142.28	140.67	
7+00	11 1/2 Bend		6.5	144.7	141.2 +3.5	C35 1445
+30						
146			4.6	146.6	143.2	C34
BM	9.30	159.77	0.29	150.47		
11			5.43	157.34	157.35	
				178.57		

CHECK LEVELS

BM	5.06	185.07		180.01		BR SW Cor 27th & E
CK TP			5.00	180.07	179.68	Diff + 0.39
CK TP			6.11	178.96	178.57	+ 0.39

CERRO GORDO  
TREAT ST. Southerly to Terminus

6-18-52

13.

TP	10.49	189.45 <del>189.06</del>	178.96 <del>178.57</del>		
0+38 TEE			8.0 181.5	178.0 <del>177.8</del>	C35
0+44 G.V.			8.0 181.5	178.0 <del>178.2</del>	C35
0+54			8.1 181.4	178.2 <del>178.7</del>	C32
1+14			5.3 184.2	180.7 <del>182.1</del>	C34
1+50			3.9 185.6	181.8 <del>182.3</del>	C38
1+74			3.8 185.7	182.2 <del>182.5</del>	C35
2+00			4.1 185.4	182.0	C34
+50			5.2 184.3	180.8 <del>181.0</del>	C35
3+00			6.2 183.1	179.0 <del>180.1</del>	C35
+50			7.3 182.2	178.6 <del>179.1</del>	C36
4+00			8.3 181.2	177.7 <del>178.2</del>	C35
+50			9.5 180.0	176.5 <del>177.2</del>	C35
+85			9.9 179.6	175.8 <del>176.5</del>	C38



INGRAHAM ST  
 ② STKS & GRDS. SET FOR  
 WATER METERS.

BM	2.19	36.06	33.87
0+00 = So Prop line	Lo Playe		
0-02 WEST	Killed (NOT NECESSARY)	9.5	26.6 26.8
0+21 EAST		7.26	26.8 26.8
0+59 WEST		7.38	26.68 27.1
0+76 WEST		8.75	27.3 27.2
0+42 EAST		8.97	27.1 26.9
1+75 W		8.94	27.1 27.7
2+25 W		8.61	27.45 28.0
2+63 EAST		8.07	28.0 28.1
3+23 W		7.27	28.8 28.8
3+25 EAST		7.06	29.0 28.8
3+75 EAST		5.67	30.4 29.7
3+76 W		6.44	29.6 29.8
4+76 EAST		3.70	32.4 31.6
4+77 W		4.00	32.1 31.8
5+57 W		2.42	33.6 33.6
CK BM	2.19	33.87	

STIFFS STRD

BM	1.24	35.11	33.87
1+20 W		8.6	26.5 27.30
1+20 E		8.18	26.9 27.30
1+70 E		8.24	26.9 27.60
2+78 W		7.11	28.0 28.1
2+20 E		7.90	27.2 27.9
4+20 E		3.91	31.2 30.6
4+20 W		4.31	30.8 30.7
5+30 E		2.20	32.9 32.7
CK B.M.	1.24	33.87	

West  
 POWELL ST JULY 20, 1952. 1A.  
 KEMP  
 BEATTY L.  
 FISH

BM BP NW Cor Moorland & Ingraham

FO2  
 CO2 FO2  
 80' GRADE

CO2  
 FO6

FO6

FO1

CO2

CO2

CO1

FO2

CO8

CO2

CO2

FO8

FO4

FO1

FO1

FO1

CO5

CO1

CO2

6.25  
 5.62  
 63  
 27.51  
 26.68

49.3  
 4.14  
 79

30.37

JUNE 20, 1952

75.

FELDSPAR ST.  
 EVERTS TO DAWES  
 (2) STKS & GRDS FOR  
 WATER METERS

BM	12.82	45.36	32.54	-	OP NW COR GARNET & DAWES	
④	5.69	49.52	1.53	43.83		
0+12 NOR.			3.61	45.9	45.9	C02
1+525 NOR			5.16	44.4	43.8	C06
2+08 NOR			5.69	43.8	43.1	C07
2+10 SO			6.72	42.8	42.1	C07
2+485 NOR			6.16	43.4	42.5	C09
2+75 SO			7.59	41.9	41.2	C07
2+82 NOR.			6.72	42.8	42.1	C07
3+25 SO			8.63	40.9	40.5	C04
3+33 NOR			7.04	42.1	41.3	C08
3+645 SO			9.06	40.5	40.0	C05
3+78 NOR			8.08	41.4	40.7	C07
4+26 NOR			9.24	40.3	40.1	C05
4+74 NOR			9.46	40.1	39.0	C07
④	2.74	43.63	8.63	40.89		
CK BM			11.09	32.54	32.54	

QUIMBY ST  
Willow to Plum  
(2) STKS & GRDS FOR  
WATER METERS

BM	13.28	174.61		161.33	
P 24					
0+29 Nor	8.43	182.72	0.32	174.29	174.0
32					
1+37 Nor			3.97	178.8	178.6
72					
1+47 Nor			5.03	177.7	177.4
53					
1+58 50			3.9	178.8	178.2
P 24	9.71	181.18	11.25	171.47	
2+29 Nor			7.5	173.7	174.0
88					
2+93 Nor			14.2	167.0	169.3
P	2.00	172.72	10.46	170.72	
CK BM			11.38	161.34 = 161.33	

JUNE 20, 1952 16

BP. SW Cor Russell & Willow

CO<sub>2</sub>

CO<sub>2</sub>

CO<sub>2</sub>

CO<sub>2</sub>

FO<sub>2</sub>

FO<sub>2</sub>

KEATS ST.  
ROSECRANZ TO SHAFER  
④ STKS & GRADES FOR  
6" WATER

JUNE 27, 1952  
BEATTY  
POWELL  
FISH

17.

BM	6.13	05.88'		02.75	BR. Cor Rosecranz & Garrison
④	0.97	07.92'	1.93	06.95'	
CK Curb SW Cr.			1.60	06.32' - 06.26	Profile Street
1+46			2.5	05.4'	02.2 C32
+50			2.6	05.3'	02.1 C32
2+00			4.1	03.8'	01.1 <del>C37</del> C27
+50			5.1	02.5'	00.1 C24
3+00			6.5	01.4'	-01.1 C25
+30			7.0	00.9'	-01.6 C25
+50			7.3	00.6'	-01.6 C22
4+00			7.8	00.1'	-01.6 C17
+35			8.3	-00.4'	-0.16 C20
+50			8.5	-00.6'	01.9 C25
+97 <del>+80</del>			8.9	-01.0'	-03.2 C22 (45' RAD)
5+00			9.2	-01.3'	-03.2
+50			9.2	-01.3'	-03.6 C23
			8.8	-00.9'	-03.6
6+00			8.8	-00.9'	-04.0 C31
+50			9.1	-01.2'	-04.4 C35

Top -01.8  
M.H. Rim 0.19  
Red 7.73  
Nor  
15" SEW  
4.135

-02.9 Top pipe  
0.10 from M.H.  
7.82  
30  
21" SEW  
4.105

-01.0  
8.9  
C

KEATS ST.  
(Cont'd)

6-30-52

19.

7+00	07.92	9.1	-0.2		
+50		9.2	-0.3	-0.20	C30
+70		9.6	-0.7	-0.20	C27
+65		9.6	-0.7	-4.0	C23
SET TOM		6.02	01.90		
8.50	15.45	0.97	06.95		

CK BM. 2.14 13.31 = 12.56?

WATER METERS

4)	0.26	07.21		06.95	
1+38 RT			1.9	05.3	16.0
2+23 RT			3.8	03.2	05.4
2+64 RT			4.6	02.6	03.5
3+42 RT			6.0	01.2	02.2+2.3
3+71 RT			6.4	00.8	01.9+2.4
4+68 LT.			7.0	00.2	01.4 1.85
4+73 RT			6.5	00.7	1.2 1.6
4+97 RT (5) F.H.			7.17	00.0	1.32-51.6
5+36 LT.			8.0	-0.8	01.3+1.6
5+51 LT.			7.85	-0.6	01.2+1.5
5+96 RT			7.6	-0.4	01.1+1.5
6+51 RT			7.6	-0.4	00.9+1.1
6+73 RT			6.9	00.3	00.9+1.0
6+87 LT.			6.5	00.7	01.1+1.2
7+24 LT.			7.0	00.2	01.1

-0.11  
8.8  
-0.13  
9.2  
C

Start in pipe

Top Hyd. MAGAULEY & ROSCRAW

01.90 TBH  
2.10  
4.00 di  
5.7  
5+50 -0.12 =  
4.00 di  
4.05  
F.H. -0.05  
4.05  
3.94  
(5) F.H. = 4.06  
F 1.54

Changed 7-23-52 - Beatty per Ed Gabrielson.

F07  
F10  
F09  
F11 F10  
F12 F11  
F15 F12  
F05  
F09 F12  
F16 C19  
F21 F21  
F21 F18

7/16/52  
F.H. Flange Elev. 26.50  
GND. -0.05  
+1.60  
F 185

AUBURN DRIVE  
290' Nly WIGHTMAN TO ONTARIO AVE.  
④ STR. & GRADES FOR  
6" WATER

July 3, 1952  
BEATTY  
POWELL  
VAKONAKIS  
FISH

19.

	+ B.S.	HI.	- F.S.	ELEV.
BM	4.35	324.01		339.66
IP	1.72	341.24	4.49	339.52
IP	0.09	328.13	13.20	328.04
IP	0.08	312.95	13.26	316.87
IP	13.10	328.00	0.05	314.90
IP	6.90	332.47	2.43	325.57
SECTION			1.59	330.88
	LT		3.3	329.2
0+05	RT		3.4	329.1
				325.6
				328.2
	LT		4.7	327.8
+25	RT		4.7	327.8
				323.9
				325.9
			6.5	326.0
+50	RT		6.3	326.7
				322.3
				323.5
	LT		8.3	324.2
+75	RT		8.0	322.5
				320.7
				321.2
			9.5	323.0
+90	LT			317.7
				320.3
1+00			10.2	322.3
				318.9
				319.5
+25			12.0	320.5
				317.1
				318.0
+50			13.5	319.0
				315.4
				316.5
IP	0.70	320.14	13.03	319.44
				315.5
+75			2.7	317.2
				314.9
2+00			4.5	315.6
				312.0
				313.2
CK P			5.21	314.93
				- 314.90

BP SW Cor WIGHTMAN & Fuslid  
Top FH. 300' E. Fuslid on Wightman

Top 12.00 320.5  
Run M.H. 3.70 328.8

on curb in front of FH 6' IT 0-10.

C36  
C35

C39  
C39

C37  
C39

C35  
C38

C33

C34

C34

C36

C38

C36

on Curb (2+15')

AUBURN DRIVE  
(Cont'd)

20.

2+25	320.14	6.8	313.3	309.5 <del>311.1</del>	C38	Top. 11.72 Rim 632	308.42
+50		9.2	310.9	307.1 <del>308.7</del>	C38		
+75		11.6	308.5	304.7 <del>306.5</del>	C38		
P	0.65	307.83	12.96	307.18			
3+00		1.9	305.9	302.3 <del>304.0</del>	C36		
+25		5.1	302.7	299.1 <del>301.9</del>	C36		
3+48 TEE		8.2	299.6	295.6 <del>298.0</del>	C40		
0+00					C40		
0+15		7.1	300.7	297.9	C38		
0+30° 45° BEND		4.1	303.7	300.2	C35		
3+50		8.4	299.4	295.8 <del>297.6</del>	C36		
+75		12.2	295.6	291.7 <del>292.0</del>	C39		
SET TBM.		4.21	303.62			on point of curb island Auburn & Wrightman	
P	0.22	294.98	13.07	294.76			
4+00		3.60	291.4	287.8 <del>288.3</del>	C36		
+25		8.0	287.0	283.9 <del>284.4</del>	C31		
4+13 FC		10.7	284.3	280.8 <del>281.9</del>	C35		
+50		11.8	283.2	280.0 <del>281.0</del>	C32		
P	0.07	281.96	13.09	281.89			

AUBURN DRIVE  
(Cont'd)

	281.96			272.3		
5+00		6.1	275.9	<del>273.7</del>	C36	
+25		9.9	272.1	<del>268.5</del> <del>270.2</del>	C36	
P	0.17	268.87	13.26	268.70		
+50		0.6	268.3	<del>264.7</del> <del>266.8</del>	C36	Top 253.97 253.47
6+00		8.1	260.8	<del>257.2</del> <del>259.7</del>	C36	Bottom 15.00 Rim 8.00
+25		10.2	258.7	<del>255.5</del> <del>260.2</del>	C32	
+50		11.9	257.0	<del>253.8</del> <del>254.6</del>	C32	
+75		13.2	255.7	<del>252.1</del> <del>253.1</del>	C36	
P	2.62	258.62	12.87	256.00		
7+00		4.3	254.3	<del>250.5</del> <del>253.0</del>	C38	✓
+50		6.1	252.5	<del>247.4</del> <del>252.8</del>	C51	✓ (dit) Top Sew 3 <sup>0</sup> lower
+65 F.H. TEE		7.0	251.6	<del>247.2</del> <del>252.7</del>	C44	✓ (i-11) Top Sew 3 <sup>0</sup> lower
⑤ F.H.		6.9	251.7	252.9	F12 To Hange	C33 to bottom EL4 (1 <sup>0</sup> Spool)
7+89	9' LT INLET Dbb1 48" RCP	6.02	252.60		Top 48" RCP.	(Bottom 15' 4' 60" below Top)
7+94		5.97	252.65			
7+95		33' RT outlet Dbb1 48" RCP	6.57	252.05		Top 48" RCP
8+05		6.63	251.99			
8+00		✓ 5.1	253.5	<del>246.8</del> <del>252.3</del>	C67	
+50		7.4	251.2	<del>246.9</del> <del>251.3</del>	C43	
8+82		7.7	250.9	<del>247.0</del> <del>250.5</del>	C39	
SET TBM	12.00	263.91	7.37	251.25	W. Rim Sew M.H.	Top 15" Sew 6' lower



AUBURN DRIVE  
(CONT'D)

7-3-52

22

		263.91			
P	12.75	276.02	0.64	263.27	
P	13.35	289.35	0.02	276.00	
P	13.35	302.52	0.18	289.17	
P	13.32	315.73	0.11	302.41	
P	13.09	328.79	0.03	315.70	
P	12.13	340.84	0.08	328.71	
CKTD	4.52	344.08	1.28	339.56 = 339.52	20.54
CK BM			4.37	339.71 = 339.44	

283.87

Top 18.65

Rim Sew H.H. 12.95

289.57

## FRANKLIN

July 11, 1952

23

④ STRS & GRDS SET FOR  
6" WATER32<sup>nd</sup> ST. to BANCROFT

BM	11.92	48.15		36.23			
IP	12.82	60.85	0.12	48.03			
IP	13.25	74.10	0.00	60.85			
IP	3.99	77.20	0.89	73.21			
0+00			4.2	73.0	69.4	C36	= E Prop Line 32 <sup>nd</sup> ST
+50			3.9	73.3	69.2	C41	
1+00			4.2	73.0	69.0	C42	
+50			4.9	72.3	67.4	C49	
+80			5.2	72.0	66.5	C55	
2+00			5.6	71.6	65.1	C65	
+50			9.8	67.4	61.5	C59	
IP	0.58	64.52	13.26	63.94			
3+00			1.5	63.0	57.9	C51	
+50			6.4	58.1	54.4	C37	
+23 <sup>05</sup> +70		GV.	7.3	57.2	53.5	C37	
+28 <sup>05</sup> +75		TEE	7.6	56.9	53.3	C36	
IP	0.00	51.47	13.05	51.47			
IP	0.05	41.11	10.41	41.06			
CK BM			4.87	36.24	= 36.23		

FRANKLIN ST  
② WATER MET. S.

7-11-52

24

0+00 = E. Prop line 32nd

0+72 N 77.20 2.6 74.6 73.5

C1'

0+86 S 3.9 73.3 72.5

~~C2~~ C08

1+45 N 3.8 73.4 72.2

C12

1+66 S 5.2 72.0 70.6

C14

1+76 N 3.7 73.5 71.1

C24

2+50 N 5.3 71.9 66.8

C51 ✓

2+52 S 10.7 66.5 66.0

C05

0+31 S (New Met?) 4.0 73.2 72.8

C04

HARNEY ST.  
SAN DIEGO TO JEFFERSON  
④ STRS & GRADES FOR  
6" WATER

July 16, 1952

BEATTY  
POWELL  
VARENFARIS  
FISH

25

30.62

BM	11.21	33.70 <sup>1</sup>	22.49			
TP	2.13	32.41	3.42	30.28		
0+55			1.3	31.1	27.2	C39
+75 = W. PL.			2.0	30.4	27.0	C34
1+00			2.5	29.9	26.2	C37
+50			4.2	28.2	24.7	C35
2+00			5.9	26.5	23.2	C33
+30			6.6	25.8	22.4	C34
+50			7.0	25.4	22.0	C34
+90			7.4	25.0	21.1	C39
3+00			7.5	24.9	21.0	C39 ✓
+50			8.2	24.2	19.3 <del>20.4</del>	<del>C38</del> C49
+75			9.1	23.3	18.8 <del>20.1</del>	C32 C45
+90 <sup>5</sup> 6" TEE			8.8	23.6	18.6 <del>20.1</del>	C35 C50
+95 <sup>5</sup> G.V.			8.6	23.8	18.7 <del>20.1</del>	C37 C51 (Top 10" @ 1.20.3)
4+00			8.6	23.8	18.8 <del>20.1</del>	C37 5°
+25			8.5	23.9	19.5 <del>20.1</del>	<del>C38</del> C44
+50			8.7	23.7	20.3	C34 ✓
5+00			7.8	24.0	20.8	C33
TP	5.58	30.38	7.61	24.80		

32.41  
1.58  
30.83 LT NW Cor

32.41 = 30.62  
1.43  
30.98 LT SW Cor

7-22-52

Grade change  
necessary to  
get under 10" WAT

HARNEY ST  
(Cont'd.)

	30.38				
5+50		5.1	25.3	21.2	C41
6+00		4.8	25.6	21.6	C40
+25		4.8	25.6	21.8	C38
+50		4.7	25.7	21.8	C39
7+00		4.8	25.6	21.8	C38
+15		4.8	25.6	21.8	C38
+25		4.9	25.5	21.8	C37
+40		5.3	25.1	21.65	C35
+50				21.55	
+75		5.5	24.9	21.3	C36

## WATER METERS

0+75 = SWly Pipeline SANDIEGO Ave					
3+11 N.		5.3	25.1	24.3	C08
3+12 S.		5.8	24.6	24.1	C05
3+48 N.		5.7	24.7	23.3	C14
4+63 S.		6.2	24.2	24.2	C00
6+05 N.		4.9	25.5	25.3	C02
6+50 N.		4.8	25.6	25.4	C02
6+91 N.		4.8	25.6	25.5	C01
TD CK BM	6.66	31.07	2.97	27.41	
			11.56	22.51	- 22.49

34.07  
324  
30.83 =

CONGRESS ST.

TRIAS To HORTENSIA

④ STKS & GRDS FOR 6" WATER

ALSO HORTENSIA ST, Congress to SAN DIEGO BLVD

JULY 22, 1952

BEATTY  
POWELL  
FISH

27

BM	13.04	56.79		43.75					BP SW Cor Ampudia & San Diego Blvd (43.75)
H	12.99	69.67	0.11	56.68					
0-05	⑤ F.H		2.5	67.17	66.5				c05 to Flange c42 to Bottom Ell
0-05	F.H. TEE		3.26	66.21	62.2				c42 c35
0+00	(= N. PL TRIAS ST)		3.1	66.6	62.5				
+50			1.3	68.2	63.6				
1+00	5.55	75.22	0.00	69.67	64.7				0+30 GV 67.5 2.2 69.1 c44 0+35 6" Cross 67.6 2.1 69.3 c43
+50			5.2	70.0	65.8				
2+00			4.2	71.0	66.9				
+50			3.6	71.6	68.0				
3+00			2.9	72.3	69.1				
+50			1.4	73.8	70.2				
3+85.15	(6" Cross) East		1.0	74.2	70.2				
3+85.15	BK " South		1.0	74.2	70.2				
3+90.15	4H EQUA		1.0	74.2	70.2				
4+00									
+30									
+25	F.H. TEE		1.4	73.8	70.2				⑤ F.H 74.1 1.1 Curb grd. 74.6 F05 To Flange c35 to Bottom
+50			1.7	73.5	69.3				
5+00			2.9	72.3	68.0				
+50			4.4	70.8	66.7				026 15 130 26 350

CONGRESS ST.  
 &  
 HORTENSIA ST.  
 Cont'd.

7-22-52

28

75.22  
 6+00 6.0 69.2 65.4 C38  
 +50 6.7 68.5 64.1 C44  
 7+00 7.5 67.7 62.8 C49

~~1.25 (25' 0" R)~~

7+4 END WORK 10.2 65.0

CK 9P 10.10 65.12 - 65.13 LET of Hortensia on city curb. FD 787  
 99 55

WATER SERVICE

0+89 E 4.3 70.9 68.2 C22

CHECK Elev of Cross 6/25/54

DM 12.43 77.56 65.13  
 Top 6" Cross 6.04 71.52 73.8 23' Cover  
 Bottom 6" Cross 70.9

8/11/54

DM 65.13  
 + 7.36  
 Ht 72.49

CK 0+35 (City Engrs) 2.2 75.4  $\frac{75.2}{71.3} + 3.9$  C41  
 +  $\frac{6.2}{1.0}$   
 12' E of Cross 7.2 70.4 73.7 27' Cover  
 Flange FH 3.6 74.0 73 + 02 High

5+00 3.65 68.84 Top pipe  
 2.2 70.3 subgrd.  
 6+00 6.3 76.2 Top pipe  
 5.3 77.2 subgrd.  
 6+25 7.1 65.4 Top Pipe  
 6.0 66.5 subgrd.  
 7+00 9.0 63.5 Top pipe  
 7.2 65.3 subgrd.

ROOSEVELT  
 HAINES TO RIVIERA.  
 (4) STKS & GRDS FOR 6" WATER  
 (CITY FORCES)

BEATTY  
 POWELL  
 FISH.

7-23-52

29

BM.	6.43	25.88		19.45			
H	11.23	25.25	11.86	14.02			
2+84	GV.		12.5	12.8	08.6	C43	
2+50			10.2	15.1	12.2	C79	
2+00			3.5	21.8	17.5	C43	
W	12.71	37.56	0.40	24.85			
+50			9.8	27.8	22.8	C50	
1+00			4.7	32.9	28.1	C48	
+75	W. PL Haines		2.45	35.1	30.8	C43	
0+23	Intersection 16" C.I.		1.8	35.8	31.0	C48	
P	0.14	24.99	12.71	24.85			
P	10.51	28.36	7.14	17.85			
CK BM.			8.89	19.47	= 19.45		

NE BR. LA PLAYA & RIVIERA

2+84  
 25  
 209

30.8  
 9.6  
 209) 22.26 .106  
 209  
 1300

106  
 30  
 42  
 318  
 3604

106  
 50  
 5300



MISSOURI ST  
 NOYES TO OLNEY  
 (4) STKS & GRADES FOR  
 6" WATER

July 24 1952

BEATTY  
 POWELL  
 FISHER

30

TBM	7.23	119.01	111.28		
			2.71	114.30 = 114.30	NAIL IN pole NW Cor OLNEY & MISSOURI CR RIM 5' 11" M.H. 3+20
0+60	GV.		5.1	113.9	09.2 C47
1+00			5.1	113.9	09.1 C47
+50			5.6	113.4	08.9 C45
2+00			5.5	113.5	08.6 C49
+50			4.8	114.2	08.3 C59
3+00			4.6	114.4	08.0 C64
+50			4.8	114.2	07.7 C65
4+00			4.9	114.1	07.4 C67
+50			5.4	113.6	07.1 C65
5+00			7.4	111.6	06.8 C48
+50			8.6	110.4	106.5 C39
+70	F.H. TEE		9.0	110.0	106.4 C36
+70	(5) F.H.		9.35	109.66	109.6 C0 <sup>L</sup> to HANGE C3 <sup>L</sup> to ELL
6+00			9.4	109.6	106.4 C32
6+06	GV.		9.4	109.6	106.4 C32
CR TBM			7.23	111.78	

MISSOURI ST.  
 (2) STKS. & GRADES FOR  
 WATER METERS

JULY 30, 1952

PLANTY  
 PAVILLI  
 KAMP  
 FISH

31.

T&M	7.00	118.78		111.78		Nail in pole NW Cor Olney & Missouri
1+28 Nov			3.74	115.0	113.3	C17
1+55 So			5.79	113.0	112.1	C07
1+62 Nov			4.08	114.7	113.1	C16
2+04 So			5.54	113.24	111.8	C14
2+22 Nov			3.1	115.7	112.7	C30
2+53 Nov			2.43	116.35	112.5	C385
2+57 So			4.89	113.9	111.5	C24
3+05 Nov			1.95	116.8	112.3	C45
3+40 Nov			2.0	116.8	112.0	C48
3+58 Nov			2.2	116.6	111.9	C47
4+22 Nov			2.9	115.9	111.5	C44
4+56 Nov			3.9	114.9	111.3	C36
4+88 Nov			5.05	113.7	111.1	C26
1+00 (2)			4.87	113.9	= 113.9	
CK BM			7.00	111.78		

JUAN ST.  
 (4) STKS & GRDS FOR  
 6" WATER

JULY 25 1952  
 WEST  
 POWELL

32

BM					BP SE Cor JUAN & Taylor	Top. of pipe @ JTS
						East End
0+00	4.52	09.24	04.72			1. 8.56
1+10		2 1/2" Bend	5.0	04.7	00.5	2. 8.48
		Begin Work				3. 8.35
+50			5.0	04.7	00.6	8.39
2+00			4.9	04.7	00.6	8.43
+50			4.8	04.4	00.7	8.38
3+00			4.7	04.5	00.7	8.56
+50			4.6	04.6	00.8	8.55
4+00			4.4	04.8	00.8	8.46
+15		6" Cross	4.4	04.8	00.8	8.46
+50			4.5	04.7	00.9	8.37
5+00			4.5	04.7	00.9	8.21
+50			4.4	04.8	01.0	8.20
6+00			4.4	04.8	01.0	8.36
+50			4.2	05.0	01.1	8.37
7+00			4.2	05.0	01.1	8.21
+50		F.H. TEE	4.1	05.1	01.2	8.12
+65		End of Work	4.15	05.1	01.2	8.02
+70		(5) F.H.	4.0	05.2	04.85	8.05
						7.99
						7.87
						7.81
						7.82
						7.86 West End
						7.82 7.54
						7.82 7.43
						7.78 7.56
						7.75 7.57
						7.68 7.51
						7.76 7.52
						7.71 7.60
						7.75 7.64
						7.80 7.63
						7.73 7.56
						7.83 7.56
						7.87 7.63
						7.76 7.53
						7.72 *

② JUAN ST.  
STKS & GRDS FOR  
WATER METERS

09.24

7-28-52

BERRY  
FISH

33

PM

2+62 Nor	04.0	05.2	04.8	004
4+91 So	04.5	04.7	04.2	005
5+60 So	04.7	04.5	04.4	001
5+56 So	04.7	04.5	04.4	001
5+92 So	04.3	04.9	04.5	004
6+29 So	04.2	05.0	04.5	005
6+48 So	04.1	05.1	04.6	005
6+76 So	04.2	05.0	04.6	004
7+15 So	4.1	05.1	04.7	004

GERTRUDE ST  
 (4) STKS & GRADES FOR  
 6" WATER

BEATTY  
 POWELL  
 KEMP  
 FISH

JULY 30, 1952

34

STA	+ B.S	H.I	- F.S	ELEV	GRADE	
TBM	9.38	43.23		33.85		on Car Driveway 50'E of 252 BK 747 pg. 17
0+00 =	SELY Prop. Line Dorcas					
0+20	Begin Work		13.25	30.0	26.0	C40
0+50			12.35	30.9	26.3	C46
1+00			11.64	31.6	26.7	C49
+50			10.74	32.5	27.0	C55
+75			10.00	33.2	27.2	C60
2+00			9.33	33.9	28.6	C53
+50			7.82	35.4	31.2	C42
3+00			5.92	37.3	33.8	C35
+50			4.10	39.1	34.8	C43
4+00			1.12	42.1	35.9	C62
+05	F.H. TEE		0.8	42.4	36.0	C62
TP	5.23	46.72	17.4	41.49		
4+60	6" GV End Work		2.2	44.5	37.1	C74
CK TBM	2.62	42.61	6.76	39.96 - 39.99		CONC MAN SW Cor Viola & GERTRUDE
0+00 =	SELY Prop line Viola					
0+20	Begin Work		10.7	31.9	27.8	C44
0+50			9.6	33.0	27.8	C52
1+00			6.9	35.7	31.4	C43
+50			3.3	39.3	35.0	C43

(CONT'D)

#		42.61				
2+00	11.42	53.69	0.34	42.27	38.6	C37
+50			6.7	47.0	422	C48
3+00			1.8	51.9	447	C72
4	9.96	62.12	1.53	52.16		
+50			8.3	53.8	472	C66
+75			6.9	55.2	484	C68
4+00			7.1	55.0	492	C58
+25			6.5	55.6	500	C56
+50			6.0	56.1	508	C53
+75			5.2	56.7	516	C52
5+00			4.9	57.2	524	C48
+25			3.5	58.6	532	C54
+50			2.8	59.3	540	C53
+75	F.H. TEE		2.5	59.6	548	C48

5+97	END WORK		2.8	59.3	552	C41
CK TD	RTM M.H.		2.91	59.31	-50.79	
CK TBH	CONC. MON SE COR		1.70	60.38	-60.38	

WATER METERS

0+00 =	SELY P.L. DORCAS	42.23				
1+11 W.	(31° W @ line)		12.2	30.0	30.9	F02
1+02 E	(32° E @ line)		11.1	31.1	31.2	F02
1+47 E			10.5	31.7	32.5	F08
1+59 W			11.4	30.8	32.2	F14
1+89 E			9.1	33.1	33.6	F05
2+39 E			7.5	34.7	35.0	F03
2+76 E			6.6	35.6	36.0	F06

GERTRUDE ST.  
(Cont'd.)

7-31-52

36

42.23  
3+85 E 1.65 40.6 39.1

C15

46.72  
4+05 FH (5) 3.25 43.47 39.7

C377 to Hange C 73 to bottom ELL

0100 = South Rd Viola 52.69

2+90 E 0.7 53.0 47.8

~~C53~~ C43

62.12  
3+36 E 7.5 54.6 50.4

~~C42~~ C36

2+12 E 5.2 56.9 53.8

~~C41~~ C25

4+21 W 10.2 51.9 54.1

F12 F11

4+36 E 5.0 57.1 50.8

~~C22~~ C21

4+63 W 8.0 54.1 55.6

F15 F07

5+75 (5) FH 0.52 61.6 58.6

~~C30~~ to Hange C65 Bot.  
C15 C50

LADWAI. ST.  
 (4) STKS. & GRDS. FOR 6" WATER

BEATTY  
 POWELL  
 KEMP  
 FISH.

7-31-52

37

B.M.	2.59	04.98		+02.39		□ on W. curb Midway Dr. E of Nashville
T.B.M.	5.92	07.39	3.51	01.47		Top FH. SW Cor Ladwai & Nashville
0+35			2.4	05.0	-02.5	C75
0+50	So. Pl. Nashville		6.2	01.2	-02.6	C29 C30
1+00			7.0	00.4	-02.5	C29 C30
+50			6.9	00.5	-02.4	C29 C30
2+00			6.8	00.6	-02.2	C78 C30
+50			6.5	00.9	-02.1	C30
3+00			6.2	01.2	-02.0	C30
+50			6.1	01.3	-01.8	C31
4+00			4.9	02.5	-01.7	C32
+50			4.5	02.9	-01.6	C35
5+00			5.4	02.0	-01.4	C34
+50			5.8	01.6	-01.3	C79 C30
6+00			5.8	01.6	-01.2	C26 C30
+45	F.H. TEE		6.1	01.3	-01.5 -01.1	C74 C78
6+50			6.0	01.4	-01.4 -01.0	C74 C78
6+75			5.8	01.6	01.4 -01.0	C26 C30
(5) F.H.			5.35	02.04	01.9	C01 C36
CK TBM			2.36	05.03	-05.10	NAIL IN POLE BK 811 pg. 30

.02267  
 600 / 1.600  
 1200  
 500

267  
 50  
 19350



LAPWAI ST  
(Cont'd)

7-31-52

38

WATER METS

08.39

3467 F	5.5	02.9	03.3	F0 <sup>4</sup>
4417 W	5.5	02.9	03.2	F0 <sup>3</sup>
3427 W	6.6	01.8	02.0	F0 <sup>2</sup>
2457 W	6.55	01.8	01.8	C0 <sup>0</sup>
1496 W	7.0	01.4	01.8	F0 <sup>4</sup>
6433 F	6.4	02.0	01.9	C0 <sup>1</sup>

GALVESTON ST.

⑥ STRS & GRDS FOR 6" WATER

BEATTY  
FONELL  
FISH.

Aug. 5 1952

39

NOTE: SEE BK 817 pg 27 FOR Prelim.  
STAKED AS per STATIONING OF Prelim.

on Conc. Mul.  
SW Cor. Gardens & Galv.

BM	2.48	50.59	48.11		
0+16 <sup>27</sup>	E WAT. (P.P. Location)				
0+22 <sup>0</sup>	Begin Work	14.6	36.0	37.2	C30
0+50		14.3	36.3	33.5	C28 C30
1+00		11.0	39.6	35.6 35.9	C40
+50		8.3	42.3	37.7 37.9	C46
2+00		6.8	43.8	39.8 39.9	C40
+46 <sup>58</sup>	X PT 45° BEND	6.0	44.6	41.6 41.8	C29 C30
+50		5.8	44.8	41.8 41.9	C29 C30
3+00		1.7	48.9	43.9	C50
+50		0.3	50.3	45.9	C44
+60	X PT	0.4	50.2	46.3	C39
3+76 <sup>60</sup>	G.V.	+0.4	51.0	47.0	C40
OK BM		2.48	48.11		

16.6 04  
.4 0  
.664 .16 28  
00  
172

WATER METERS

2+50 So.	6.1	44.5	45.7	F1 <sup>2</sup>	BK of Meters at 20' from E St
0+76 So.	11.8	38.8	38.9	F0 <sup>1</sup>	
0+44 Nar.	11.0	39.6	38.8	C0 <sup>8</sup>	

Western St  
 (4) stakes for 6" main  
 all Grades lowered 1"

West  
 Powell  
 Fish

12 Aug 52 40

	5.15	5.10		BM Nail in pole E side Lapwai
0+05		5.40	-0.2 -2.8	026 FH Tee
(5)		5.70	-0.5	
0+50		5.6	-0.4 -3.2	027
1+00		5.6	-0.4 -3.3	028
+50		5.8	-0.6 -3.4	028
2+00		6.0	-0.8 -3.5	029
+50		5.9	-0.7 -3.5	028
3+00		5.9	-0.7 3.6	029
+50		6.1	-0.9 3.6	027
4+00		6.0	-0.8 3.6	028
+10		6.0	-0.8 3.6	028 6" QV
+20		6.0	-0.8 3.6	028 6" QV
+50		6.3	-1.1 3.7	026
5+00		6.4	-1.2 3.8	026
+50		6.1	-0.9 3.8	029
6+00		6.1	-0.9 3.9	030
+25		6.8	-1.6 3.9	023 end of work by

-3.67 Bott 6" Cross

Lamont St  
 From Pacific Beach Drive to  
 Crown Point Dr  
 Water meters

West  
 Powell  
 Fish

19<sup>th</sup> Aug

41

	006	35.34	35.28		
0+26 <sup>F</sup>			1.8	33.5	33.3
+67 <sup>E</sup>			3.9	31.4	31.6
+67 <sup>W</sup>			4.1	31.2	31.4
1+30 <sup>F</sup>			5.8	29.5	29.4
1+81 <sup>E</sup>			7.4	27.9	27.9
2+25 <sup>E</sup>			8.4	26.9	26.7
2+54 <sup>E</sup>			9.5	25.8	25.8
2+36 <sup>F</sup>	0+00	North Line	11.1	24.2	23.4
	0.43	26.46	9.31	26.03	
1+95 <sup>W</sup>			1.7	24.8	23.5
+57 <sup>W</sup>			2.3	24.2	23.0
1+40 <sup>W</sup>			2.6	23.9	23.5
1+37 <sup>F</sup>			3.3	23.2	22.3
0+68 <sup>W</sup>			3.1	23.4	21.2
0+06 <sup>W</sup>			4.7	21.8	19.4
0+23 <sup>F</sup>			5.7	20.8	19.8
0+05 <sup>F</sup>	0+00	South Line	6.2	20.3	18.5
0+16 <sup>F</sup>			6.3	20.2	18.6
0+43 <sup>F</sup>			6.6	19.9	18.8

NE of Lamont + Pacific Beach Dr

0+05 pump line Pacific Beach Dr

F03

F02

C01

C00

C02

C00

C08

C13

C12

C04

C09

C22

C24

C10

C18

C16

C14

0+39 <sup>w</sup>	26.46	5.8	20.7	19.0	c 12
0+89 <sup>w</sup>		6.2	20.3	19.2	c 11
0+98 <sup>E</sup>		6.5	20.0	19.0	c 10
1+21 <sup>w</sup>		6.2	20.3	19.5	c 08
1+53 <sup>E</sup>		6.6	19.9	19.5	c 04
1+98 <sup>E</sup>		6.3	20.2	19.6	c 06
1+93 <sup>w</sup>		6.3	20.2	19.6	c 06
2+40 <sup>w</sup>		5.9	20.6	19.8	c 05
2+87 <sup>E</sup>		5.0	21.5	20.2	c 13
3+14 <sup>E</sup>		4.97	21.49	20.4	c 11

5.00      26.49

3+07 <sup>w</sup>		5.2	21.3	20.4	c 09
3+81 <sup>E</sup>		3.5	23.0	20.8	c 22
3+91 <sup>w</sup>		4.6	21.9	20.9	c 10
4+51 <sup>w</sup>		3.5	23.0	21.7	c 13
4+81 <sup>E</sup>		3.6	22.9	21.4	c 15
4+97 <sup>w</sup>		3.7	22.8	21.8	c 10
5+25 <sup>E</sup>		5.3	21.2	21.2	c 00
5+70 <sup>w</sup>		3.6	22.9	21.2	c 12
5+94 <sup>w</sup>		3.7	22.8	21.0	c 14

5+94 <sup>E</sup>	26.49	5.0	21.5	20.7	e 08
0+00 <sup>E</sup>	0+00	South Line	Roosevelt		e 12
0+00 <sup>W</sup>		4.9	21.6	20.3	e 15
0+06 <sup>W</sup>		4.5	22.0	20.5	e 13
0+80 <sup>W</sup>		5.4	21.1	19.8	e 12
1+04 <sup>W</sup>		6.0	20.5	19.5	e 0.5
2+35 <sup>W</sup>		7.6	18.9	18.4	

8.11 28.40 6.20 20.29

9.59 37.05 0.94 27.46

1.79 35.26 = 35.28

Gardena St  
Frankfort to Knoxville  
8" PL

West  
Powell  
Fish

21 Aug 50

44

	0.86	64.98	6412			
② 0+60			3.4	61.6	57.9	c 3 7
0+80			4.37	60.6	57.0	c 3 6
1+00			5.2	59.8	56.4	c 3 4
+50			6.3	58.7	54.4	c 4 3
2+00			7.8	57.2	52.4	c 4 8
+50			9.8	55.2	50.4	c 4 8
3+00	2.77	54.42	13.33	51.65	48.3	c 3 4
+50			3.5	50.9	47.1	c 3 8
			6.28	48.14		
4+00			5.2	49.2	45.8	c 3 4
+25			5.8	48.6	45.2	c 3 4
+30			6.0	48.4	45.0	c 5 4
+50			5.9	48.5	44.5	c 4 2
5+00			5.0	49.4	42.3	c 7 1
⑩ 5+60			4.5	49.9	42.3	c 7 6
+50			3.8	50.6	40.0	c 10 6
6+00			5.5	48.9	36.2	c 12 4
+50	0.64	45.69	9.37	45.05	32.4	c 12 6

BP IN of NL Gardena on west ab

Frankfort

Full Tee 62.6

68.2

2.4

8x6 Tee

8" AV

H<sub>1</sub> R<sub>1</sub> G<sub>rod</sub>

7+00	46.69	6.8	38.9	28.5	c 10 <sup>4</sup>
0.90	35.01	11.59	34.11		
7+50		4.5	30.5	22.5	c 8 <sup>0</sup>
+75		8.0	27.0	21.5	c 5 <sup>2</sup>
8+00		10.0	25.0	21.4	c 3 <sup>6</sup>
② 7+95		10.2	24.8	21.4	c 3 <sup>4</sup>
② 8+00		10.4	24.6	21.4	c 3 <sup>2</sup>
⑩ +50		5.9	29.1	21.2	c 7 <sup>9</sup>
④ +50		10.6	24.4	21.2	c 3 <sup>2</sup>
9+00		11.3	23.7	20.5	c 3 <sup>2</sup>
+50		12.0	23.0	19.4	c 3 <sup>6</sup>
10+00		12.9	22.1	18.2	c 3 <sup>9</sup>
+50		14.0	21.0	17.2	c 3 <sup>8</sup>
+70		13.8	21.2	16.8	c 4 <sup>4</sup>
+75		13.9	21.1	16.5	c 4 <sup>6</sup>
		8.66	26.35		= 26.36

Turn on 1/4 IP. Barrel

8+75 35.01 10.9 24.11 21.1 c 3<sup>0</sup> ✓



BERRY ST  
From Littlefield to Gardena  
6" Pipe line

Waste  
Powell  
Fish

21 Aug 23

46

	0.93	27.29	26.36		
5+39		2.6	24.7	21.4	<sup>c</sup> 3 <sup>3</sup>
<del>4+12</del>		<del>3.88</del>	23.41	19.2	<sup>c</sup> 4 <sup>2</sup>
5+00	F.H. TER	<del>4.6</del>	<del>33.9</del>	18.8	<sup>c</sup> 3 <sup>9</sup> <sup>c</sup> 38
4+50		6.3	21.0	17.5	<sup>c</sup> 3 <sup>5</sup>
4+00		7.1	20.2	16.2	<sup>c</sup> 4 <sup>0</sup>
3+50		7.6	19.7	15.5	<sup>c</sup> 4 <sup>2</sup>
3+00		8.4	18.9	15.0	<sup>c</sup> 3 <sup>9</sup>
2+75		8.6	18.7	14.8	<sup>c</sup> 3 <sup>9</sup>
2+50		8.8	18.5	14.6	<sup>c</sup> 3 <sup>9</sup>
2+00		9.4	17.9	14.3	<sup>c</sup> 3 <sup>6</sup>
1+50		9.9	17.4	14.0	<sup>c</sup> 3 <sup>4</sup>
1+00		9.5	17.8	14.0	<sup>c</sup> 3 <sup>8</sup>
0+50		9.4	17.9	14.0	<sup>c</sup> 3 <sup>9</sup>
0+15		9.8	17.5	14.0	<sup>c</sup> 3 <sup>5</sup>
	WAT. MET.	0.93	26.36	=	26.36
0+75 Nbr		9.5	17.8	18.3	F05
1+11 So.		10.0	17.3	18.4	F11
1+35 So.		9.7	17.6	18.5	F09
1+70 Nbr		9.4	17.9	18.6	F07
2+77 Nbr		8.4	18.9	18.9	F02
2+99 So.		8.6	18.7	19.5	F08
3+29 So.		8.3	19.0	20.0	F10
3+83 So.		8.3	19.0	21.1	F01

<sup>3</sup>/<sub>4</sub>" IP SW Cor Berry + Gardena

6"x8" Tee F 0<sup>11</sup>

FH Tee 23.5

(5) FH 23.2 GRADE  
22.6 Elev. F06  
C39

23.1 0.4

6.0

1.6

15

13

Florence St  
 38<sup>th</sup> to 40<sup>th</sup>  
 6<sup>th</sup> AC mark

West  
 Fish

22 Aug 53

47

SE BP 38<sup>th</sup> + National

	13.26	89.79		76.53		
	10.41	95.95	4.25	85.54		
0+60			10.5	85.5	82.2	C 3.3
1+00			9.7	86.3	83.2	C 3.1
+50			8.6	87.4	84.2	C 3.2
2+00			7.3	88.7	85.3	C 3.4
+50			6.1	89.9	86.5	C 3.4
2+30			5.6	90.4	87.2	C 3.2
3+00			5.2	90.8	87.3	C 3.5
+50			4.8	91.2	87.5	C 3.7
4+00			4.4	91.6	87.7	C 3.9
+50			4.1	91.9	88.0	C 3.9
5+00			3.8	92.2	88.2	C 4.0
+40			3.9	92.1	88.6	C 3.5
+50			3.9	92.1	88.4	C 3.7
6+00			4.8	91.2	87.5	C 3.7
+50			6.1	89.9	86.5	C 3.7
7+00			7.2	88.8	85.5	C 3.3
7+25			7.8	88.2	85.1	C 3.1 FH Fee

7+50	5.73	95.95	8.3	87.7	87.7	C	3.0	
8+00		89.88	8.80	87.15	83.9	C	2.8	0.33
+50			3.3	86.6	82.8	C	2.9	0.34
+60			4.2	85.7	82.7	C	2.8	0.33
9+00			4.4	85.5	82.4	C	2.8	0.33
+50			4.7	85.2	82.2	C	2.5	0.32
10+00			5.2	84.7	81.8	C	2.6	0.31
+50			5.5	84.4	81.6	C	2.6	0.32
11+00			5.7	84.2	81.3	C	2.6	0.31
+50			6.0	83.9	81.0	C	2.6	0.31
12+00			6.3	83.6	80.9	C	2.0	0.25
+50			7.1	82.9	78.2	C	2.8	0.33
13+00			8.9	81.0	75.6	C	2.6	0.31
	0.99	81.74	11.13	78.75				
+50			5.1	76.6	72.9	C	3.7	0.40
+73			5.22	76.5	71.7	C	4.8	0.48
	0.08	72.41	11.41	70.33				
			7.09	65.30	65.40			

Grades lowered to provide cover

40<sup>th</sup> National SW Cor Top FH

Congress St  
Turas to Hortensia  
Water Meters

Aug 25 50

49

	10.16	72.33	67.17		
0+58		6.9	70.4	68.3	FM Cinney
0+89		6.0	71.3	68.6	C 2 1
1+07		6.0	71.3	69.0	C 2 2
1+38		6.0	71.3	69.9	C 2 3
1+63		6.0	71.3	70.5	C 1 4
1+89		5.5	71.8	70.8	C 0 8
2+15		5.4	71.9	71.2	C 1 0
2+37		5.4	71.9	71.7	C 0 7
North St		2.6	74.7	74.0	C 0 2 Congress Past Hort
E		2.2	75.1	74.0	C 1 1
W		2.8	74.5	73.7	C 0 8
S		3.2	74.1	73.7	C 0 4 Hortensia St E side

51st St  
 Polk to Ottillie Place  
 and Ottillie Place 6" AC. (4)

West  
 Powell  
 Fish

	9.68	325.25	315.57		BM. NW BP 52 <sup>nd</sup> + University	
D+00			5.0	320.3	315.8	c 4 <sup>5</sup> 0+00 South Prop Line Polk St
+50			4.2	321.1	317.1	c 4 <sup>0</sup>
1+00			4.0	321.3	317.4	c 3 <sup>9</sup>
1+50			4.2	321.1	317.4	c 3 <sup>7</sup>
<sup>80</sup> +83			4.9	320.4	316.2	c 4 <sup>2</sup>
2+00			5.5	319.8	315.4	c 4 <sup>4</sup>
+25			6.3	319.0	314.0	c 5 <sup>0</sup>
+50			7.2	318.1	312.6	c 5 <sup>5</sup>
+75			8.5	316.8	311.3	c 5 <sup>5</sup>
3+00			10.2	315.1	309.8	c 5 <sup>3</sup>
<sup>60</sup> +06			10.8	314.5	309.5	c 5 <sup>0</sup>
<sup>80</sup> 3+50	4.42	316.38	13.29	311.96		
+75			6.2	310.2	307.0	c 3 <sup>2</sup>
4+00			7.4	309.0	305.3	c 3 <sup>5</sup>
+25			8.6	307.8	304.3	c 3 <sup>5</sup>
<sup>80</sup> 4+34			9.6	306.8	302.8	c 4 <sup>0</sup>
+50			10.2	306.2	302.2	c 4 <sup>0</sup>
			9.5	306.9	302.2	c 4 <sup>2</sup>

	316.58				
5-400		7.6	308.8	302.6	C 6 <sup>2</sup>
+50		5.2	311.2	304.8	C 6 <sup>4</sup>
5-774		7.6	308.8	304.0	C 4 <sup>2</sup>
		0.82	315.56 =		315.57

— Revision —

4+00 to 4+53

	7.97	314.17	306.2		4+36
4+00		5.1	309.1	304.3	C 4.8
<sup>25</sup> +33		5.6	308.6	302.8	C 5.8
<sup>N</sup> 4+50		6.5	307.7	302.2	C 5.5 Tee
<sup>S</sup> +50		6.8	307.4	302.2	C 6.2
		5.35	309.82		
Ⓟ	5.30	313.90	308.6		5+00
5+44	(10) F.H.	5.60	308.30	307.65	C 0.65 C 4.15
	WATER MET				
Sec 16' E SE Cor Office #51 <sup>st</sup>		6.2	308.0	306.1	C 1.9
Sec 5' W " " " "		6.6	307.6	305.5	C 2.1
Nor - 68' E of BC 51 <sup>st</sup> St		4.4	309.8	309.3	C 0.5

	309.1	4+00
	1.33	
	322.42	4
	1.61	
	320.25	7D
	5.97	
	326.72	N
East	3.1-323.6	320.4
59' SE BC		
East	2.0-324.7	321.1
26' SO BC		
W	24-324.3	321.5
40' SO BC		
W	23-322.4	321.1
47' SO		
Folk		
E	5.3	321.4
23' SO		320.0
Folk		

WATER MET. STK'd

9/2/50  
1950

Euclid St  
From SE Cor 54<sup>th</sup> to Westover Place

26 Aug 50

West  
Powell  
Fish

52

8" C.I. Main 11<sup>00</sup> W of Euclid St

12.38 238.93 226.55

BM NE Cor Euclid + Federal B.P. 10<sup>0</sup>

11.00 249.82 0.11 238.82

8" Top

9+23

4.6 245.2 241.2

0.40

-8.6

241.2

Bottom of 8" C.I.  
on E side Euclid

+50

4.5 245.3 241.8

0.35

10+00

4.3 245.5 242.1

0.34

+50

4.3

8" 6" Top

+55

4.3 245.5 242.1

0.31

11+00

3.9 245.9 242.6

0.33

+50

3.6 246.2 243.1

0.31

12+00

3.1 246.7 243.5

0.32

+50

2.6 247.2 243.9

0.33

+85

2.2 247.6 244.0

0.36

0.87 238.69 12.00 237.82

12.12 226.57 = 226.55

Alley  
Betw mile + Boundary  
From Landis to Myrtle

Water meters

West  
Powell  
Fish

27 Aug 52

53

	12.53	329.58		317.05		BM	NE	BP	Bright + Mile St
	5.18	324.32	10.44	319.11		C01			
0+44W			6.41	17.9	17.8			0+00	North Prop Line Myrtle
0+53E			6.1	18.2	17.6	C06			
0+72E			5.5	17.8	18.6	F08			
						C01			
0+87W			5.7	19.6	18.5				
						C09			
1+06W			5.3	19.0	18.6				
						C03			
1+20E			5.0	19.3	19.0				
						C00			
1+50E			5.1	19.2	19.2				
1+66E W			5.1	319.2	18.8			C04	
1+88W			5.3	19.0	18.8				
						C01			
2+15E			4.8	19.5	19.4				
						F06			
2+30W			5.9	18.4	19.0				
						C00			
2+41E			4.8	19.5	19.5				
						C02			
2+83W			4.8	19.5	19.3				
						F02			
2+83E			4.8	19.5	19.7				
						F02			
2+96E			4.8	19.5	19.7				
						C02			
3+27W			3.3	21.0	19.8				
						C04			
3+58E			3.5	20.8	20.4				
						C05			
3+76W			3.4	20.9	20.4				
						C08			
3+80E			3.4	20.9	21.1				
4+10E			2.6	21.7	21.3				
4+12W			2.5	21.8	21.2				



4+40W	32432	1.6	22.7	21.9	<del>C<sub>08</sub></del>
4+55E		1.6	22.7	22.4	<del>C<sub>03</sub></del>
4+74W		1.5	22.8	22.5	<del>C<sub>03</sub></del>
4+74E		1.0	23.3	22.8	<del>C<sub>05</sub></del>
5+11W 610	32948	0.94	327.38	23.4	<del>E<sub>00</sub></del>
5+50E		4.7	24.8	24.4	<del>C<sub>04</sub></del>
5+68W		4.0	25.5	23.9	<del>C<sub>16</sub></del>
6+06E	329.48	5.0	324.5	322.3	<del>C<sub>18</sub></del>
0+20E		5.1	24.4	22.6	<del>C<sub>18</sub></del>
0+25W		3.3	26.2	28.0	<del>C<sub>32</sub></del>
0+71E		6.7	22.8	22.8	<del>C<sub>00</sub></del>
0+83W		5.2	24.3	23.1	<del>F<sub>2</sub></del>
1+13W		6.2	23.3	23.2	<del>C<sub>01</sub></del>
1+21E		8.2	21.3	23.0	<del>F<sub>12</sub></del>
1+55E		9.7	20.8	23.0	<del>F<sub>22</sub></del>
1+60W		8.0	21.5	23.4	<del>F<sub>19</sub></del>
1+95W		8.2	21.3	23.5	<del>F<sub>22</sub></del>
2+05E		9.0	20.5	23.3	<del>F<sub>28</sub></del>
2+38E		9.0	20.5	23.3	<del>F<sub>28</sub></del>
2+38W		7.1	22.2	22.6	<del>F<sub>12</sub></del>

0+00 North Prop line Dwight

329.48

3+06K	6.8	22.7	24.0	F13
3+11E	6.6	22.9	23.8	F09
3+46W	5.5	24.0	24.4	F04
3+59E	5.4	24.1	24.1	C00
4+08E	4.1	25.4	25.0	C04
4+09W	3.4	26.1	25.0	C14
4+50E	2.7	26.8	25.8	C00
4+50W	2.3	27.2	26.0	C12
5+02E	2.3	27.2	26.4	C08
5+22W	2.0	27.5	27.4	C01
5+50E	2.3	27.2	27.0	C02

12.41 317.07 = 319.05

Alley from Polk to University  
 Betw 41<sup>st</sup> Marlborough  
 Water meters

West  
 Powell  
 Fish

28 Aug 50

56

	4.18	358.18	354.00	BM BP NW Cor 41 <sup>st</sup> & Univ
0+56 <sup>F</sup>		4.8	534 53.0	00 <sup>4</sup>
0+38 <sup>W</sup>		4.8	53.4 53.2	00 <sup>2</sup>
0+77 <sup>W</sup>		5.5	52.7 52.5	00 <sup>2</sup>
0+93 <sup>W</sup>		5.9	52.3 52.1	00 <sup>2</sup>
1+28 <sup>X</sup>		6.7	51.5 51.1	00 <sup>4</sup>
1+80 <sup>W</sup>		6.7	51.5 50.3	01 <sup>2</sup>
2+11 <sup>W</sup>		6.7	51.5 50.5	01 <sup>0</sup>
2+49 <sup>W</sup>		7.1	51.1 51.0	00 <sup>2</sup>
2+85 <sup>W</sup>		6.3	51.9 51.5	00 <sup>4</sup>
3+04 <sup>F</sup>		5.7	52.5 51.9	00 <sup>6</sup>
3+49 <sup>W</sup>		5.1	53.1 52.9	00 <sup>2</sup>
3+76 <sup>F</sup>		4.4	53.8 53.5	00 <sup>3</sup>
3+87 <sup>W</sup>		3.6	54.6 53.7	00 <sup>3</sup>
4+33 <sup>W</sup>		3.4	54.8 54.6	00 <sup>2</sup>
4+35 <sup>F</sup>		3.1	55.1 54.7	00 <sup>4</sup>
4+61 <sup>W</sup>		2.5	55.7 55.3	00 <sup>4</sup>
4+76 <sup>W</sup>		2.2	56.0 55.5	00 <sup>5</sup>
+85 <sup>X</sup>		2.2	56.0 55.9	00 <sup>4</sup>

5104 <sup>W</sup>	1.6	56.6	56.2	0.0 <sup>H</sup>
5132 <sup>E</sup>	1.0	57.2	56.8	0.0 <sup>H</sup>
5139 <sup>W</sup>	1.0	57.2	56.8	0.0 <sup>H</sup>
5161 <sup>E</sup>	0.5	57.7	57.0	0.0 <sup>H</sup>
	4.18	354.00 - 354.00		

Alley BIKs 206+207  
Mission Beach  
meters

58

	2.65	9.73		7.08		BM	BP	SW Col.	San Jose Place
1+59 <sup>N</sup>	4.24	10.70	3.27	6.46	5.8	0 <sup>5</sup>			Sea Wall
1+80 <sup>S</sup>			4.8	5.9	6.0	F0 <sup>L</sup>			
+78 <sup>S</sup>			4.9	5.8	5.9	F0 <sup>L</sup>			
1+59 <sup>S</sup>			4.9	5.8	5.8	0 <sup>0</sup>			
1+64 <sup>S</sup>			4.9	5.8	5.8	0 <sup>0</sup>			
0+94 <sup>N</sup>			5.4	5.3	4.2	0 <sup>L</sup>			
0+68 <sup>S</sup>			6.4	4.3	3.2	0 <sup>L</sup>			
0+40 <sup>N</sup>			8.6	2.1	1.9	0 <sup>2</sup>			
0+21 <sup>S</sup>			9.0	1.7	2.0	F0 <sup>3</sup>			
0+03 <sup>N</sup>			10.2	0.5	0.4	0 <sup>L</sup>			
	4.25	9.85	5.10	5.60					
			2.77	7.08 = 7.08					

JELLETE ST  
 ⑥ STKS. & GRDS. FOR 12" WATER

SEPT. 2, 1952

59.

BEATTY  
 POWELL  
 FISH

USGS D-132 BM	1248	23.99	17.79 11.51	USGS DATUM CITY DATUM	CONC. MON SW COR MORENA & JELLETE	
0+70		10.4	13.6	10.2	C34 0475 10' LT. FD CONC MON. LET	
1+00		8.9	15.1	10.5	C46 = 25' WESTERLY OF E PROP. LINE MORENA BLVD (T.P. BK 1502 CITY ENO)	
+11 <del>+10</del>	F.H. TEE	8.2	15.8	10.9	C48	
		7.29	16.70	14.0 15.0	Pay Garandson C37 Flange C6 1/2 To bottom of ELL	
+50		5.9	18.1	12.6	C55	
2+00		3.6	20.4	14.7	C57	
+50		1.80	22.2	16.8	C54	
3+00	11.88	35.64	0.23	23.76	18.9	C49
+50		10.4	25.2	21.0	C42	
+75		9.4	26.2	22.0	C42	
4+00		6.85	28.79	23.15	C42	
+20	12" x 6" CROSS (CHICAGO)	7.5	28.1	22.1	C40	
+50		6.3	29.3	25.45	C39	
5+00		3.8	31.8	27.75	C41	
+50		1.7	33.9	30.05	C39	
6+00	D 12.70	47.88	0.46	35.18	32.35	C39
+50		9.4	38.5	34.65	C39	
7+00		6.8	41.1	36.95	C42	

11.67  
 7.79  
 19.46  
 10.00  
 5.46  
 276  
 270

61  
 53  
 61  
 27  
 2.4

JELLETE ST.

(Cont'd.)

9/2/52

60

		47.88							
7+25			5.6	42.3	38.2	C41			25 5
+50			4.1	23.8	39.1	C42			45 9
+70	12x6 Cross	DENVER	11.9		39.8	C51			911.6 177
			3.0						9
8+00			1.3	46.6	42.3	C43			70 177
4P	13.32	60.90	0.30	47.58					60 5
+50			10.2	50.7	45.15	C56			885
9+00			7.2	53.7	48.00	C57			
+50			2.0	56.9	50.85	C60			
10+00			1.6	59.3	53.70	C56			
4P	12.87	73.66	0.11	60.79					
+50			12.0	61.7	56.60	C51			
+75			10.5	63.2	58.1	C51			
11+00			8.6	65.1	59.5	C56			
+19.75	12x6" Cross.	(ERIE)	7.4	66.3	60.7	C56			
+50			5.8	67.9	62.5	C54			3 1/2
12+00			1.4	72.3	67.1	C52			12
4P	12.74	86.33	0.07	73.59					
+50			10.0	76.3	71.7	C46			
13+00			5.6	80.7	76.3	C44			
+50			1.0	85.3	80.9	C44			
4P	12.35	98.54	0.14	86.19					
14+00			7.3	91.2	87.0	C42			05.8 05.8
+25			4.6	93.9	90.1	C38			25 290
+50			2.0	96.5	91.6	C49			290 58
+70	12x6" Cross	FRANKFURT	0.0	98.5	92.5	C60			12.0 890
4P			0.23	98.11					12.0

W. x on M.H

JELLETE ST.  
(CONT'D.)

9-3-52

61

P 13.31 111.42 98.1  
 P 6.35 117.70 0.07 111.35  
 CK P 6.78 110.92 = 111.20  
 P 0.21 49.30 49.09

on Conc. Man Inquif # Frankfort

	7+70	0	N
	73	13	S
N	6+97	19	N
	63	63	N
N	6+34	73	
	06		

6+12	NOR	11.2	38.1	37.6	C05
6+25	SO	11.2	38.1	38.1	C05
6+34	NOR	10.5	38.5	38.2	C06
6+97	NOR	7.4	41.9	41.2	C07

6+25	
13	
6+12	



ALLEY BLOCK 12 1/2  
 BETWEEN 45TH & CHAMOUNE  
 FROM LANDIS TO DWIGHT  
 (2) STKS & GRDS BY WAT. MET.

SEPT. 4, 1952

62.

BEATTY  
 POWELL  
 FISH

BM	12.90	336.90		324.00		BP NW COR DWIGHT & CHAMOUNE
IP	6.83	342.62	1.11	335.79		
0+24 W.			2.4	340.2	338.7	C15
0+31 E.			3.9	338.7	339.0	F03
0+39 W.			3.3	339.2	338.7	C06
0+56 W.			4.1	338.5	338.0	C05
0+59 E.			5.2	337.4	337.4	C09
1+12 E.			6.8	335.8	335.6	C02
1+28 W.			5.7	336.9	335.9	C10
1+56 E.			7.3	335.3	335.4	F01
1+78 W.			6.2	336.4	335.6	C08
2+07 E.			7.4	335.2	335.2	C09
2+21 W.			5.7	336.9	335.4	C15
2+58 W.			5.6	337.0	335.2	C18
2+62 E.			6.6	336.0	335.0	C10
2+70 W.			5.8	336.8	335.2	C16
3+12 E.			6.8	335.8	335.1	C07
3+33 W.			5.8	336.8	335.4	C14
3+62 E.			6.3	336.3	335.5	C08
3+80 W.			4.6	338.0	336.1	C13
3+91 E.			5.5	337.1	336.2	C02
4+23 W.			4.6	338.0	337.2	C08
4+29 E.			5.4	337.2	337.1	C01
4+73 E.			4.0	338.6	338.7	F01
4+86 W.			2.5	340.1	339.5	C06
5+19 W.			1.5	341.1	340.6	C05
5+26 E.			2.5	340.1	340.6	F05
5+66 W.			1.2	341.4	339.7	C13
5+51 E.			1.8	340.8	340.2	C06
IP	0.33	336.13	6.82	335.80		
ck BM.			12.14	323.99 = 324.00		

④ STKS BOND ST.  
 & GRDS FOR 12" WATER

SEPT. 5, 1952

65

BEATTY  
 POWELL  
 FISH

TBM	2.49	13.24	10.75	17.31	FB. 811	CONC MEN SW COR BALBOA & BOND.
0+55	BEGIN WORK	0.1	13.1	06.5	C66	
+75		0.6	12.6	06.5	C61	
1+00	F.H. TEE	2.5	10.7	06.0	C47	
+50		4.1	09.1	05.3	C38	
2+00		5.0	08.2	04.6	C36	
+50		5.8	07.4	03.9	C35	
3+00		6.4	06.8	03.2	C36	
+50		7.0	06.2	02.5	C37	
4+00		7.6	05.6	02.05	C36	
+05 <sup>65</sup>	12" x 6" Cross	7.8	05.2	02.0	C34	
+10 <sup>65</sup>	12" GV	8.1	05.1	02.0	C31	009 60
+50		8.1	05.1	01.6	C35	
5+00		8.3	04.9	01.15	C38	
+50		8.6	04.6	00.7	C39	23.6 10.6
① 6+00	3.23	07.51	8.96	04.28	00.4	C38
+23 <sup>6</sup>	12' x 6' Cross	3.20	04.3	00.3	C40	
+50		3.3	04.2	00.1	C41	
+53 <sup>6</sup>	F.H. TEE	3.1	04.4	00.1	C43	

BOND ST.  
(CONT'D)

9-5-50

64

07.5'

7+00		3.2	04.3	-00.2	C45
+50		3.6	03.9	-00.5	C44
8+00		4.6	02.9	-00.8	C37
+50		4.5	03.0	-01.1	C41
9+00		5.1	02.4	-01.4	C39
+33 <sup>48</sup>	12" 6" Cross	5.0	02.5	-01.5	C40
+38 <sup>48</sup>	12" G.V.	5.1	02.4	-01.5	C39
+50		5.3	02.2	-01.6	C38
10+00		5.5	02.0	-01.8	C38
+50		5.8	01.7	-02.0	C37
11+00		6.0	01.5	-02.2	C37
+50		5.9	01.6	-02.4	C40
12+00		6.2	01.3	-02.5	C38
+23	F.H. TEE	6.3	01.2	-02.6	C38
IP	9.00	13.32	3.19	04.32	
CK TBM		256	10.76 = 10.75		

2.4 28.5  
000  
136 154.0

## WINONA ST.

④ STR'S &amp; GR'S FOR 12" WATER

SEPT 8, 1952

65.

BEATTY  
POWELL  
KEMP

TBM	8.74	384.19	375.45	NW Bolt signal LIGHT Post NE Cor	EL CAJON WINONA
0+15 16" MAIN			373.6	(C39)	
0+10			373.9		
			373.5		
+25 6" Gas Bottom PIPE			374.1	(C40)	
			373.6		
+50			374.2	(C58)	
+53 M.T.D Crossing			372.0	C65	
1+00			368.9		
		7.8	376.4	C44	
+50		6.2	378.0	C40	
2+00		5.6	378.6	C40	
+50		5.0	379.2	C40	
3+00		4.3	379.9	C42	
+50		3.7	380.5	C42	
4+00		3.0	381.2	C43	
+50		2.3	381.9	C44	
5+00		2.7	381.5	C47	
+50		3.5	380.7	C46	
6+00	1.82	381.76	4.25 379.94	375.4 C45	
+50			2.5 379.3	374.7 C46	
7+00			3.3 378.5	374.0 C45	
+50			4.0 377.8	373.3 C45	

371.1 Top 16" MAIN  
369.8 Bot 16" MAIN2.5  
1.0  
3.5

CUT ON CURB

9.1 C76

7.2 C50

6.7 C39

5.3 C43

5.0 C40

4.1 C44

3.6 C43

2.8 C45

2.2 C43

2.7 C47

3.3 C48

4.4 C46

2.3 C48

3.4 C44

3.6 C49

4.2  
5.3

WINONA ST  
Cont'd

8+00	381.76	4.8	377.0	372.6	C44	2.2	C48
+24	F.H. TEE	5.06	376.7	372.3	C44	2.7	C48
+50		5.5	376.3	372.0	C43		
CK BM		4.73	377.03 =	377.04	B.P. SE COR MONROE & WINONA	5.26	C44
9+00		5.66	376.10	372.1	C42		
+50		5.4	376.4	372.3	C41	5.1	C44
10+00		5.2	376.6	372.4	C42	5.0	C44
+50		5.1	376.7	372.5	C42	5.1	C42
11+00		4.9	376.9	372.7	C42	4.9	C42
+50		4.66	377.1	372.9	C42	4.7	C42
12+00		4.5	377.3	373.1	C42	4.5	C42
+50		4.4	377.4	373.3	C41	4.4	C41
13+00	10.10	3.88	387.98	373.5	C44	4.2	C42
+50		9.3	378.7	374.4	C43	8.9	C42
14+00		8.4	379.6	375.3	C43	8.0	C42
+50		7.4	380.6	376.2	C44	7.4	C44
15+00		6.6	381.4	377.1	C43	6.1	C48
CL TBM	6.16	3.31	390.83	384.67 =	Top F.H. SE COR MADISON & WINONA	8.4	C42
+342	F.H. TEE	8.73	382.1	377.7	F.P. 716 109.52		
+50		8.6	382.2	378.0	C42	8.2	C42

0.18  
3/12  
1/10

WINONA ST.

Cont'd.

9-8-52

67.

390.83

16+00		8.1	382.7	378.55	C41		7.5	C42
+50		7.5	383.3	379.1	C42		7.5	C42
17+00		6.9	383.9	379.65	C43		6.4	C48
+50		6.2	384.6	380.3	C43		5.9	C45
18+00		5.6	385.2	380.85	C44		5.2	C48
+50		5.0	385.8	381.4	C44		4.6	C48
19+00		4.5	386.3	382.0	C43		4.1	C48
+50		4.0	386.8	382.35	C44	1 D 12 078	3.6	C48
20+00		3.6	387.2	382.7	C45		3.4	C47
+50		3.3	387.5	383.1	C44		3.0	C47
21+00		3.0	387.8	383.5	C43		2.7	C46
+50		2.7	388.1	383.8	C42		2.6	C44
22+00		2.3	388.5	384.1	C44		2.1	C46
+44	FA TEE	2.1	388.7	384.4	C43		1.9	C45
+50	FA TEE	2.0	388.1	384.5	C43			
+72.5	GV	1.8	389.0	384.6	C44			
+77.5	FLX8							
23+00	CROSS.	1.8	389.0	384.7	C43			
CKBM	6.12	395.46	1.49	389.34 = 389.33		BR. NE COR ADAMS & WINONA		
+50		6.2	389.3	385.0	C43		6.1	C44
24+00		6.0	389.5	385.2	C43		5.9	C44
+50		5.9	389.6	385.75	C43		5.7	C45

WINONA ST  
(Cont'd.)

9-10-52

68.

395.46

25+00		5.65	389.8	385.55	C43	5.4	C46
+50		5.5	390.0	385.7	C43	5.2	C46
26+00		5.2	390.3	386.9	C44	5.1	C45
+50		5.1	390.4	386.05	C44	4.9	C46
27+00		4.8	390.7	386.25	C44	4.7	C45
+50		4.7	390.8	386.35	C44	4.5	C46
28+00		4.5	391.0	386.6	C44	4.4	C45
+50		4.2	391.3	386.70	C46	4.2	C46
29+00		4.2	391.3	386.90	C44	4.0	C48
+50		3.9	391.6	387.05	C46	3.8	C47
30+00		3.8	391.7	387.2	C45	0.55 3.0	4.0 C43
+34	F.H. TEE	3.6	391.9	387.4	C45	1.00	
+50		3.5	392.0	387.4	C46	1.00	3.5 C46
+58		3.3	392.2	387.5	C47		
CK BM		1.27	394.19 =	394.17		Top F.H. Corner @ Winona BK 716 p. 51	

FRANKFORT ST.  
 (6) STRS & GRDS FOR 6" WATER

9-11-52  
 BEATTY  
 POWELL  
 ALEXANDER

BM	4.77	115.69		110.92	(111.08?)				
0+50	Begin Werk	-10'50 d INGULP ST.	1.0	114.7	109.4	<del>c53</del>	<del>c55</del>	48	c98
0+90	F.H.			119.1	112.5	(c72 for Tee)	c39	c46	To change c96 to ELL
1+00			2.7	113.0	109.4	<del>c36</del>	<del>c38</del>		
+50			3.4	112.3	107.7	<del>c44</del>	<del>c48</del>		
2+00			5.2	110.5	106.0	<del>c55</del>	<del>c57</del>		
+50			7.5	108.2	104.2	<del>c40</del>	<del>c42</del>		
+62			8.0	107.7	103.8	<del>c39</del>	<del>c41</del>		
3+00			10.1	105.6	101.6	<del>c40</del>	<del>c42</del>		
+50			12.5	103.2	98.6	<del>c40</del>	<del>c48</del>		
4+00	0.43	102.83	13.29	102.40	95.6	<del>c58</del>	<del>c52</del>		
+30			3.0	99.8	93.8	<del>c58</del>	<del>c52</del>		
OK TB11			4.70	98.13	= 98.11				
+70	&	JELLETE	3.0	99.8	97.9	<del>c69</del>	<del>c71</del>		
+75	} 6" GV.					<del>c70</del>			
+85						<del>c68</del>	<del>c04</del>		
5+10			4.0	98.8	92.0	<del>c68</del>	<del>c04</del>		
+20	F.H.			100.2	100.0	<del>c68</del>	<del>c04</del>	To change c87 to ELL	
+50			5.7	97.1	91.4	<del>c57</del>	<del>c59</del>		
6+00			7.4	95.4	90.6	<del>c48</del>	<del>c50</del>		
+50			9.1	93.7	89.8	<del>c39</del>	<del>c41</del>		
7+00			9.0	93.8	89.5	<del>c49</del>	<del>c45</del>		
+50			8.4	94.1	89.3	<del>c51</del>	<del>c53</del>		
8+00			7.9	94.9	89.1	<del>c58</del>	<del>c60</del>		



FRANKFORT ST.  
(Cont'd)

9-11-52

70.

102.83

8+50					88.9				
+60			7.9	94.9	88.8	<del>C61</del>	C62		
9+00			7.6	95.2	88.6	<del>C66</del>	C68		
+60	6" GV.		8.5	94.3	88.5	<del>C58</del>	C62	C22	✓
+70	F.H.			94.9	92.4	<del>C6 for toe</del>	C25	To HANGE	C62 To ELL
10+00			7.2	95.6	88.0	<del>C76</del>	C78		
11+50	3.28	98.82	7.29	95.54	87.3	<del>C83</del>	C85		
11+00			1.9	96.9	86.6	<del>C103</del>	C105		
+25			0.5	98.3	86.2	<del>C121</del>	C123		490
+50			+0.5	99.3	85.5	<del>C138</del>	C142		470
12+00			2.1	96.7	84.1	<del>C126</del>	C128		960
+50			5.1	93.7	82.8	<del>C109</del>	C111		-4
13+00			8.3	90.5	81.0	<del>C95</del>	C97		-1
+50			12.0	86.8	79.2	<del>C76</del>	C78	10.6	
+90	6" GV.		12.2	86.6	77.8	<del>C88</del>	C90		
14+00	P 0.32 F.H.	85.77	13.35	85.47	76.8	<del>C94 for toe</del>	C57	59	✓
+50			3.4	82.4	71.5	<del>C109</del>	C111		92 To ELL
15+00	P 0.42	73.16	13.05	72.74	66.35	<del>C64</del>	C66	10.3	
+62			9.4	63.8	60.0	<del>C98</del>	C10	12.56	
16+00	P 1.26	61.19	13.23	59.93					

FRANKFORT ST  
(Cont'd.)

9-11-52

71.

61.19

16+00 2.7 58.5 56.7 ~~C28~~ C22

+50 5.2 56.0 52.3 ~~C27~~ C32

17+00 5.8 55.4 51.15 ~~C23~~ C45

+40 9.8 51.4  
~~9.1~~ 52.1 50.0 ~~C21~~ C16

+82 END WORK 7.2 53.8 49.6 ~~C22~~ <sup>C44</sup> NOTE & PIPE MOVED 5' TO RT TO MEET CROSS

P 0.42 51.20 10.21 50.78

OK BM. 9.37 41.83 = 42.03 OP SW COR ERIE & MILTON

6+82 W 91.4 94.0 F26

7+82 W 91.7 93.2 F15

LAMONT ST.  
 LOWERING EXISTING 6" C.I.  
 ROOSEVELT TO CHICO

9-12-52  
 BEATTY  
 POWELL  
 ALEXANDER

72.

BM	0.59	35.87		35.28			
				<del>16.88</del> (NO CAN END)			NE CT Pac B. DR & LAMONT SEE pg. 41 <del>FROM MON. NE COR LAMONT &amp; CROWN POINT DR</del>
P	2.56	2538	1305	22.82			
0+00 =	168' Nor/Nor PL FORTUNA AVE.		2.6	22.8	23.1 19.6		032
+50			2.9	22.5	22.0 18.5		040
1+00			4.2	21.2	20.9 17.4		038
+50			5.1	20.3	20.0 16.5		038
2+00			4.9	20.5	19.2 15.7		048
+50			4.9	20.5	19.0 15.5		050
+75 =	42' 50/50 PL FORTUNA AVE.		5.1	20.3	19.0 15.5		048
3+79 =	346' Nor/Nor PL ROOSEVELT AVE		4.6	20.8	19.9 16.4		044
4+00			4.3	21.1	20.0 16.5		046
+50			4.3	21.1	20.5 17.0		044
5+00			3.2	22.2	20.9 17.4		048
+50			4.1	21.3	21.3 17.8		035
+79 =	146' Nor/Nor PL ROOSEVELT AVE		3.7	21.7	21.7 18.2		035
CK WET No	3+81 E		2.35	23.03 = 23.0			
" " "	2+87 E	pg. 42	3.85	21.53 = 21.5			

WEST ST.  
 ② STKS & GRDS SET FOR WAT. MET.S  
 OCEANVIEW TO LOGAN

SEPT 17 1952  
 BEATTY  
 POWELL  
 ALEXANDER

73

BM	12.88	98.32	85.44				
0+00 = So Prop line Oceanview.			85.29			LET. 45 <sup>th</sup> & Oceanview	
0+42 E.			4.35 94.0	92.5	C15	92.6	C 14
0+74 E.			4.90 93.2	92.2	C18	92.4	C 10
0+81 W.			5.40 92.9	91.8	C12	91.8	C 11
1+13 E			4.90 93.4	92.0	C12	92.2	C 12
1+33 W			6.13 92.2	91.4	C08	91.5	C 07
1+65 W.			6.20 92.1	91.8	C09	91.3	C08
1+79 E			5.63 92.7	91.6	C12	91.8	C09
2+27 E.			5.93 92.4	91.2	C12	91.6	C08
2+42 W			6.6 91.7	90.6	C12	90.8	C09
2+75 E			6.33 92.0	90.8	C12	91.3	C07
3+01 W			7.73 90.6	90.1	C05	90.5	C02
3+30 W.			7.5 90.8	89.9	C09	90.3	C05
3+94 E			6.5 91.8	90.0	C18	90.7	C12
4+79 W.E			8.0 90.3	88.8	C15	90.3	C02
5+30 E	4.59	95.19	7.72 90.60	89.0	C14	90.0	C06
5+32 W			4.9 90.3	88.5	C18	89.1	C12
5+64 E			4.2 91.0	88.7	C23	89.8	C12
5+82 W.			5.0 90.2	88.1	C21	88.8	C14
6+55 E			4.3 90.9	88.1	C28	89.0	C19
6+60 = So Prop. line T. St.							
6+79 E			4.1 91.1	88.1	C30	88.8	C23
6+94 W.			5.3 89.9	87.6	C23	88.2	C12
7+36 W			5.3 89.9	87.8	C21	88.2	C12
7+42 E			3.9 91.3	88.3	C30	89.0	C23
7+87 E			4.1 91.1	88.4	C27	89.1	C20
7+87 W.			5.7 89.5	88.0	C15	88.4	C12
8+35 W			5.9 89.3	88.2	C11	88.6	C07
9+37 E			4.7 90.5	89.0	C15	89.5	C10
9+37 W			5.2 90.0	88.6	C14	88.8	C12
9+89 W			5.3 89.9	88.8	C12	89.0	C09
10+40 W			5.5 89.7	89.0	C07	89.1	C06
10+76 W			5.7 89.5	89.1	C04	89.2	C03
10+85 E			5.2 90.0	89.5	C05	90.0	C02
11+44 W			5.8 89.4	89.5	F01	89.6	F02
12+35 W			4.6 90.6	91.2	F06		
14	1.30	92.74	3.75 91.42	91.2		91.1 45	F05
CK BM	5.82	90.83	7.73	85.01 = 85.03	45 <sup>th</sup> & Logan	CK LT. & Oceanview 5.16	85.67 So.
						CK LT & Oceanview 5.44	85.39 No.

9-22-52

74

## FRANKFORT ST

② STRS &amp; GRDS FOR WAT. METS

BL of MET = 245 RT & LT F ST  
Box

					93.9		
					5.7		
					93.9	88.2	
					36	18	
					94.5	15	
					49	20.5	
1+27 E.		115.7	113.7	C24			
1+54 W.		111.8	112.3	F05			
1+56 E.		115.9	113.2	C27			
2+02 W.		107.9	110.7	F28	10.7	112.5	
2+13 E.		112.7	111.5	C12	35	34	
2+59 W.		105.9	108.4	F25	98.5	115.9	
2+61 E.		110.8	109.4	C14	7.0		
3+10 E.		107.6	106.5	C11		112.5	
3+52 W.		100.9	102.7	F18	90.7	117	
3+61 E.		105.4	103.2	C22	26	11.8	
3+92 E.		103.4	100.8	C26	5.8		
4+28 E		102.0	100.4	C16	5.5	103.6	
4+30 E (3 METS)						2.6	
4+32 E						103.4	
11+13 E	6+82 W 7+83 W	95.8	90.6	C52		107.9	
11+52 W.		91.3	89.3	C20		2.5	
11+83 E.		98.2	88.8	C94	11.3		
12+36 E.		94.5	87.6	C69	26.0	88.9	
12+22' W.		88.2	87.1	C12	15.3	88.5	
12+87 E.		90.8	85.7	C51		4	
12+94 W.		86.1	84.9	C12			
12+09 W.		82.7	79.4	C27	86.8		

9-24-52

75

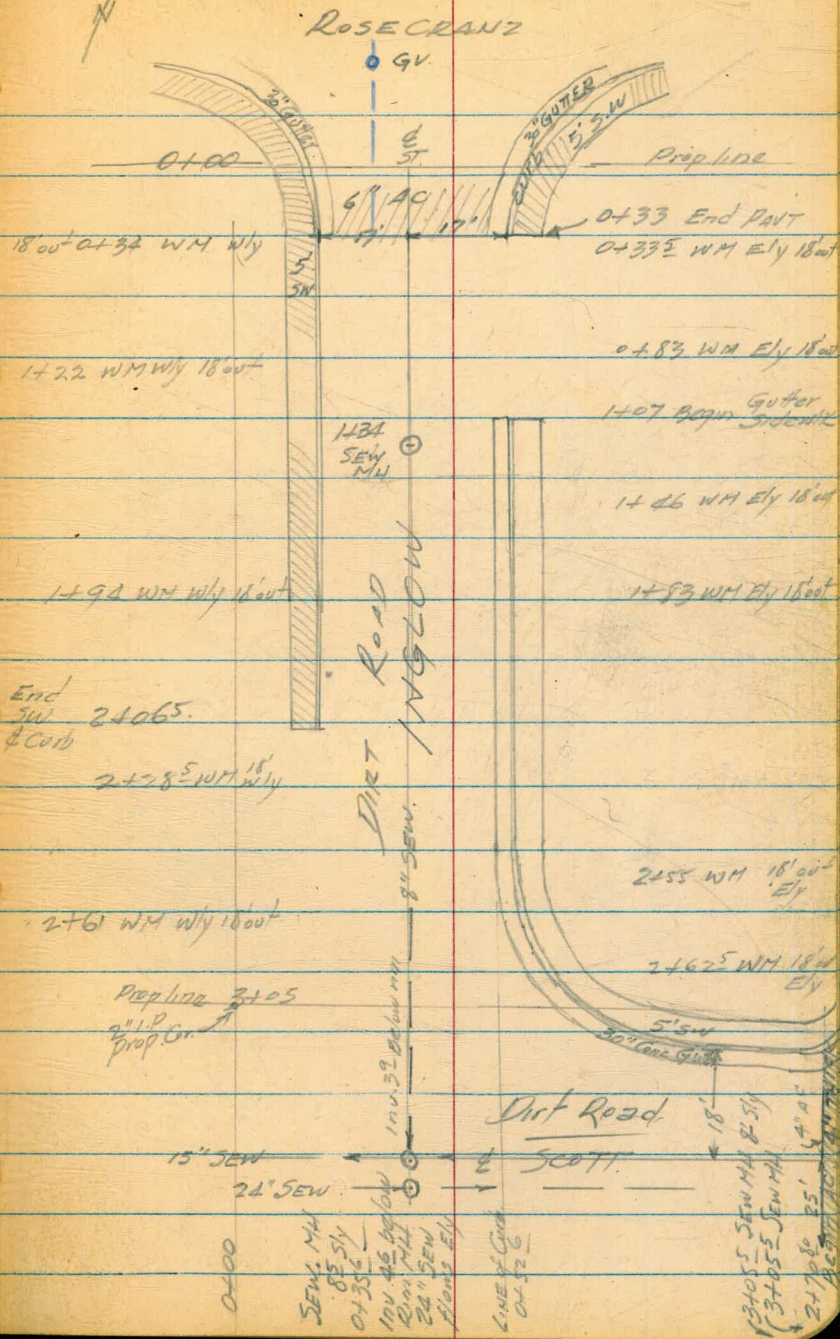
WEST ST.  
ELEV. TOP 6" EXISTING WATER

P	1.12	95.02	9060	5+30E 89.73
0+10			4.75	90.27
1+80			6.10	88.92
3+94			7.24	87.78
5+64			8.05	86.97
6+79			8.24	86.78
7+65			8.21	86.81
8+35			8.80	86.22
9+33			8.24	86.58
10+85			8.50	86.52
P			5.64	89.38 = 89.2 11+44 W 89.73

MISC. DETAILS  
INGLOW & SCOTT ST

5-11-53

76.



1314  
725  
945  
234  
71

End  
SW  
Curb  
24065

2+28<sup>S</sup> WM Wly 18' out

2+61 WM Wly 18' out

Prop. Line 2405  
2410  
Prop. Curb

0+00

SEW. MH  
0+35  
0+40  
10' 46' 40' low  
Prop. MH  
24' SEW  
18' 0' Ely

LINE of CURB  
0+32

13405 SEW MH 8' 5"  
3705 SEW MH  
24' 0' 25' 4" AF  
Prop. MH

LOCATION OF WATER LINE  
CADMAN ST. & SAN VICENTE

July 7 1952  
Beatty  
Powell  
Vernon FAZIS  
KEMP  
FISH 77

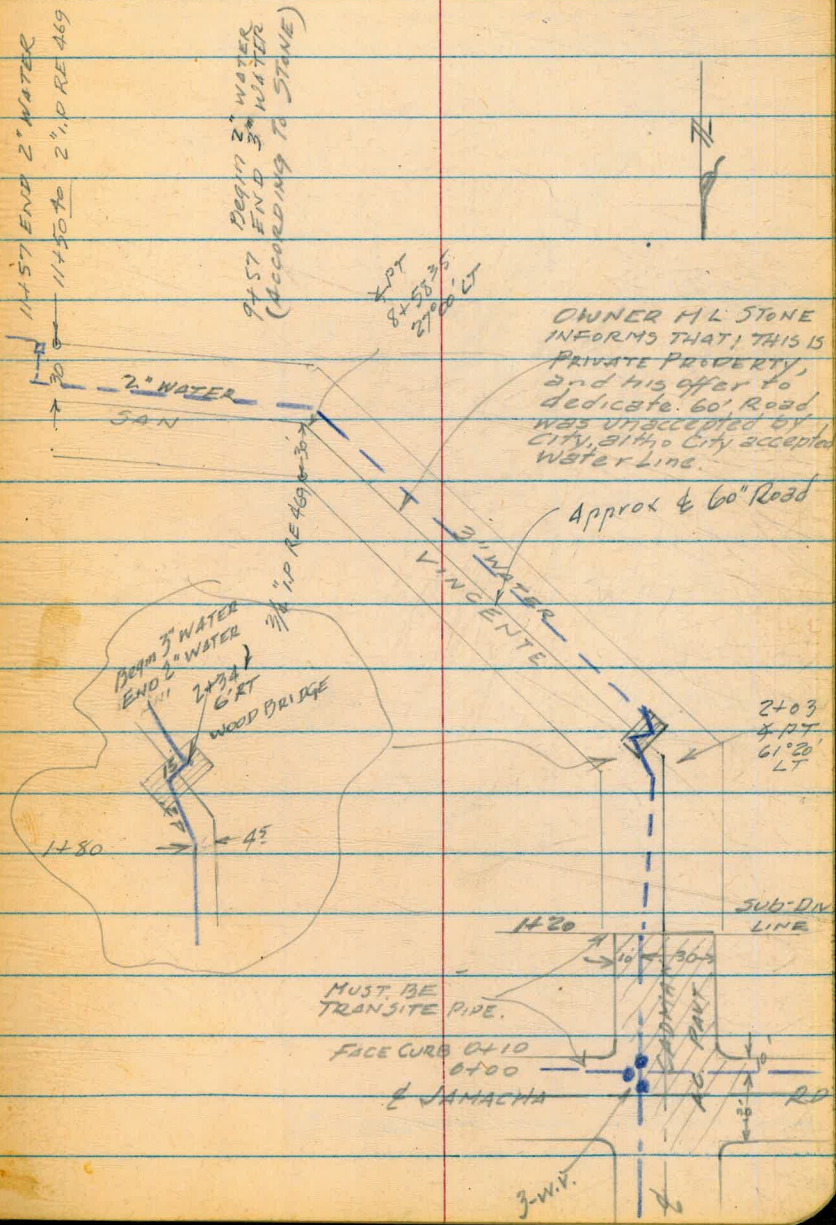
11+57 END 2" WATER

8+58<sup>35</sup> X PT 27°00' LT

2+03 X PT 61°20' LT

0+00 = & WATER SAMACHA ROAD & CADMAN

- 11+57 21 RT 13.0
- 11+57 W.MET 29 RT
- 10+39 W.MET 28 RT
- 10+30 W.MET 28 RT
- 9+43 W.MET 19 LT
- 9+47 W.MET 26 RT
- 9+00 PIPE 19 RT
- 8+58 PIPE 10 RT
- 7+00 PIPE 10 RT
- 6+50 PIPE 7 RT
- 6+00 PIPE 7 RT
- 5+50 PIPE 8 RT
- 4+50 PIPE 10 RT
- 3+52 W.MET 2 RT
- 3+00 " 10 RT
- 2+34 " 62 RT
- 1+80 PIPE 43 LT
- 1+20 SUB-DIV. LINE
- 1+20 END AC. PANT



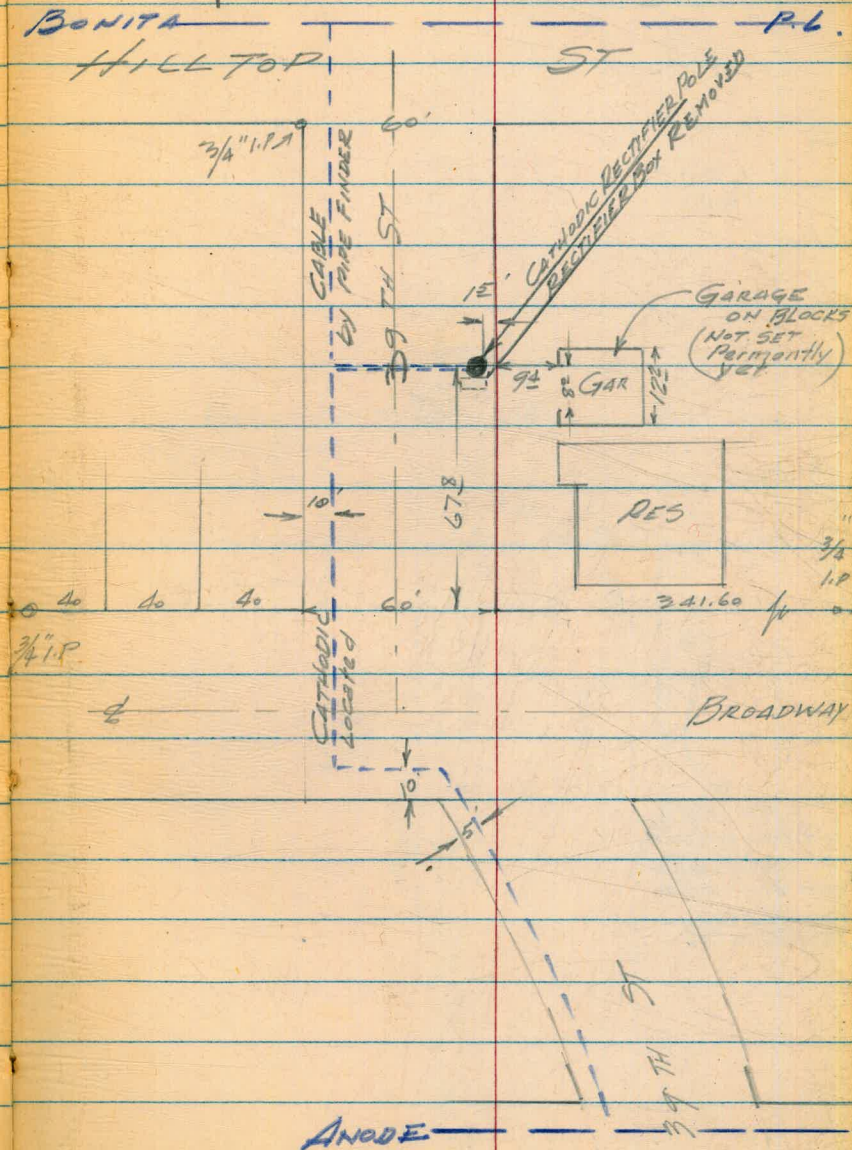


LOCATION OF CATHODIC  
RECTIFIER POLE  
39TH ST. BETWEEN HILLTOP  
& BROADWAY

Obstructing Driveway

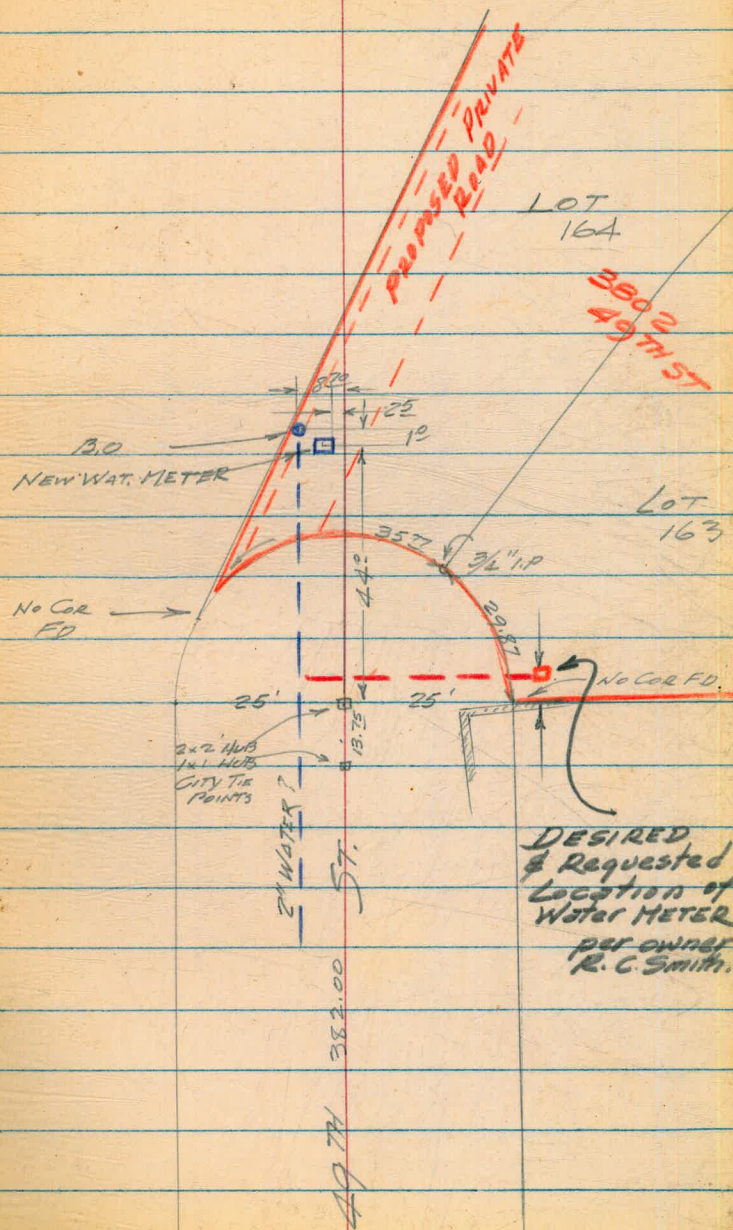
JUNE 26, 1952  
BEATTY  
POWELL  
FISH

78

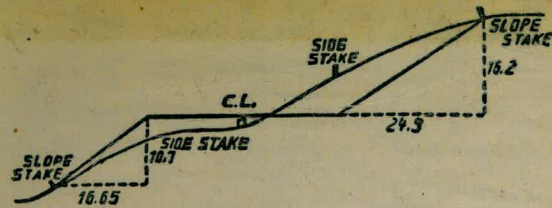


WAT METER LOCATION  
3802 49TH

JUNE 26 1925 79  
BEATTY  
POWER  
FISH.



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



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

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

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

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